FINAL

PHASE III INVESTIGATION FIELD REPORT

Remedial Investigation
Camp Hero, Montauk, New York

Revision: 1

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ACRONYMS AND ABBREVIATIONS

ADR	automated data review
AOC	area of concern
AST	aboveground storage tank
ASTM	American Society for Testing and Materials
AWT	AWT Environmental Services, Inc.
bgs	below ground surface
BMP	best management practice
CAMP	Community Air Monitoring Plan
CCB	continuing calibration blank
CCV	continuing calibration verification
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
Cr^{6+}	hexavalent chromium
CSM	conceptual site model
CX	Center of Expertise
DER	Division of Environmental Remediation
DO	dissolved oxygen
DoD	Department of Defense, United States
DU	decision unit
ELLE	Eurofins Lancaster Laboratories Environmental
EM	Environmental and Munitions
EPC	exposure point concentration
ERA	Ecological Risk Assessment
Fe^{2+}	ferrous iron
FPH	fuel pump house
FS	Feasibility Study
ft	foot or feet
FUDS	Formerly Used Defense Site
gal	gallon
GNSS	global navigation satellite system
GPS	global positioning system

ICP-MS	inductively-coupled plasma mass spectrometry
ICV	initial calibration verification standard
ID	inner diameter; also, identification
IDW	investigation-derived waste
IS	internal standard
JV	joint venture
L	liter
LCS	lab control sample
LIMS	Laboratory Information Management System
LLC	lower level calibration
LNAPL	light non-aqueous phase liquid
MEC	munitions and explosives of concern
mg	milligram
MNA	monitored natural attenuation
MS	matrix spike
MSD	matrix spike duplicate
NAD	North American Vertical Datum
NAVD	North American Vertical Datum
NGS	National Geodetic Survey
NOAA	National Oceanic and Atmospheric Administration
NTU	nephelometric turbidity unit
NY	New York
NYNHP	New York Natural Heritage Program
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
OPRHC	Office of Parks, Recreation, and Historic Preservation
OPUS	online positioning user service
ORP	oxidation-reduction potential
PAH	polycyclic aromatic hydrocarbon
PCB	polychlorinated biphenyl
PID	photo-ionization detector
ppm	parts per million
PSE	preliminary screening evaluation
PVC	poly-vinyl chloride

QA	quality assurance
QC	quality control
%R	percent recovery
RI	Remedial Investigation
RTK	real time kinematic
SAP	Sampling and Analysis Plan
SC	specific conductivity
SEDD	Staged Electronic Data Deliverable
SDG	Sample Delivery Group
SECC	shift ending calibration check
SIM	selected ion mass spectrometry
STB	Suspected Tank B
SVOC	semi-volatile organic compound
TDS	tripod data system
TOC	total organic carbon
USACE	United States Army Corps of Engineers
USEPA	United States Environmental Protection Agency
USFWS	United States Fisheries and Wildlife Service
µm	micrometer
UXO	unexploded ordnance
VOC	volatile organic compound
WDS	waste disposal system

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EXECUTIVE SUMMARY

Camp Hero is a formerly used defense site (FUDS) undergoing a Remedial Investigation and Feasibility Study (RI/FS) under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). The RI field effort was completed in three phases; the Phase I field investigation was completed from May to June 2016, the Phase II field investigation was completed from November to December 2016, and the Phase III field investigation was completed from May to June 2017. A total of 47 areas of concern (AOCs) were identified and evaluated during the Phase I and II RI process; AOCs warranting additional investigation based on the Preliminary Screening Evaluation (PSE) were grouped into 18 geometric Decision Units (DUs) for the Phase III field investigation, as established in the Phase III Sampling and Analysis Plan (SAP; AECOM-Tidewater JV 2017b).

The primary objectives of the Phase III field investigation were to collect an unbiased, representative dataset for potentially impacted surface and subsurface soil associated with each DU; collect a representative background dataset for surface water and sediment at a sitewide scale; collect unbiased, representative surface water and sediment data within stream exposure areas in the vicinity of DUs that could potentially impact downgradient surface water and sediment; establish a representative sitewide groundwater monitoring well network and collect groundwater samples on a sitewide scale, as well as on a local scale in the vicinity of DUs that could potentially have (or have been demonstrated to have in previous RI results) localized groundwater impacts; and collect additional physical and chemical data to support the development of the RI conceptual site model (CSM), risk assessments, and FS.

This Phase III Investigation Field Report provides: (1) documentation of the Phase III field activities, (2) details on any significant deviations from the Phase III RI SAP (AECOM-Tidewater JV 2017b) that occurred, and (3) field data and analytical laboratory reports for samples collected during the Phase III field investigation.

A total of 22 permanent monitoring wells were installed and developed during the Phase III field event, creating a sitewide network of 43 total monitoring wells. Groundwater samples were collected from 27 monitoring wells, including all existing and new monitoring wells with the exception of the 15 background wells and one well with light non-aqueous phase liquid (LNAPL) present. Groundwater samples were analyzed sitewide for semi-volatile organic compounds (SVOCs) and metals (including hexavalent chromium [Cr^{6+}, in 10% of samples] and mercury); groundwater in the vicinity of DU01 and DU11 was also analyzed for volatile organic compounds (VOCs), and groundwater in the vicinity of DU15 was also analyzed for polychlorinated biphenyls (PCBs). Total (unfiltered) and dissolved (filtered) groundwater samples were collected at each well.

A sitewide network of 30 co-located background surface water and sediment samples were collected upstream of the DUs to establish sitewide background levels for naturally-occurring constituents and anthropogenic impacts. Additionally, a sitewide network of co-located surface water and sediment samples were collected from 125 locations within exposure areas in the vicinity of DUs for assessment of potential impacts from DU constituents that could potentially impact downgradient surface water and sediment. Surface water and sediment samples were analyzed site-wide for SVOCs and metals (including Cr^{6+} [in 10% of samples] and mercury); surface water and sediment samples in the vicinity of DU15 were also analyzed for PCBs. A total of 155 sediment samples, 148 unfiltered surface water samples, and 30 filtered surface water samples were collected at Camp Hero (including sitewide and background locations). Filtered surface water samples were collected when the turbidity of the surface water was greater than 10 nephelometric turbidity units (NTUs; additional information provided below on deviations to the Phase III SAP). Surface water could not be collected at 7 of the 155 locations because they were dry at the time of sampling.

Soil samples were collected at 17 of the 18 DUs during the Phase III field event. Soil samples could not be collected from DU08 because the DU was inundated with water; instead, surface water and sediment samples were collected at DU08. A total of 400 soil samples were collected, including 256 surface soil samples (0 to 1 feet [ft] below ground surface [bgs]) from 16 DUs and 144 subsurface soil samples (1 to 10 ft bgs or 1 to 2 ft bgs in wetlands) from 9 DUs. Analytical parameters for surface and subsurface soil varied by DU based on the data needs established in the PSE and Phase III SAP, but generally included SVOCs and metals (AECOM-Tidewater JV 2017b). Cr^{6+} was analyzed in 10% of samples analyzed for metals, along with pH and oxidation-reduction potential (ORP). PCBs were also evaluated in soil samples from DU15. Additionally, two undisturbed subsurface soil samples were collected at DU01 by Shelby tube methodology for laboratory analysis of soil permeability.

The Phase III field investigation was generally completed according to the scope provided in the Phase III SAP. Although the overall objectives were met, some deviations to the Phase III RI SAP, field decisions, and avoidance and minimization best management practices (BMPs) occurred during the field effort following discussions between the USACE and AECOM team. Field decisions and deviations from the SAP are documented in Section 5.0 of this Field Report.

One deviation of note was that due to a misinterpretation of the SAP, filtered surface water samples were generally only collected when the turbidity was elevated (>10 NTU). Although the Phase III SAP established that filtered samples for organic parameter groups (SVOCs and PCBs) in surface water would only be collected if the turbidity was elevated (>10 NTU), filtered surface water samples were to be collected for dissolved metals analysis regardless of the turbidity. Unfiltered metals in surface water were collected as planned at all locations. Field-filtered surface water samples were collected from 30 locations during the Phase III field event (inclusive of the sitewide background locations).

To obtain a filtered surface water dataset for metals, additional sample volume on hold at the laboratory was evaluated for metals. A total of 197 surface water samples were filtered in the laboratory and analyzed for the Phase III SAP metals list, minus mercury and hexavalent chromium (197 samples, including samples from all 148 surface water locations, 30 previously analyzed field-filtered locations, and 19 field duplicate locations). Mercury and hexavalent chromium were not evaluated because the samples were approximately 100 days past their respective hold times. The 197 surface water samples (dissolved [field-filtered] and total) from 148 locations were unpreserved and kept in cold storage in amber bottles since the Phase III field event. The field-filtered samples were re-filtered and analyzed for comparability. Details on the validation of the lab-filtered surface water data are provided in Section 2.14 of this Field Report.

The field-filtered and lab-filtered results will be used to assess the comparability of results during data evaluation in the RI Report. Surface water samples were out of hold for both filtration and total metals analysis, and biological activity can occur under cool conditions in an amber bottle. Therefore, the lab-filtered surface water data will only be considered qualitatively in the Ecological Risk Assessment (ERA) portion of the RI Report and any potential data gaps related to this approach will be discussed in the uncertainty section of the ERA. Not having filtered surface water samples for hexavalent chromium and mercury represents a minor data gap for the ERA evaluation of risks to aquatic receptors. However, since total recoverable data are available for these chemicals, as well as for total chromium, the ERA will still be able to assess the potential for risks due to these chemicals. Total recoverable data may slightly over-estimate risks relative to the evaluation of filtered data; therefore, if the total recoverable results identify potential risks, uncertainties associated with a lack of filtered data will be discussed. Additional details regarding the lab-filtered surface water dataset for metals are discussed in Section 5.0 of this Field Report.

A laboratory metals data quality breach was identified that affected a total of approximately 14,000 analytical metals results from 596 samples in 33 sample delivery groups (SDGs). These samples were collected during both the Phase II field investigation event conducted in December 2016 (affecting 4 SDGs) and the Phase III field investigation (affecting 29 SDGs). The four affected data packages from the Phase II field investigation are documented in the revised Final Phase II Investigation Field Report (AECOM-Tidewater JV 2018). Based on the evaluation of this matter conducted by ELLE and the AECOM Camp Hero project chemists, 18 samples collected from DU04 in one Phase III SDG required re-analysis. The reanalyzed metals samples were determined to have acceptable QC parameters and replaced the metals affected by the data breach. Of the remaining potentially affected data, 19 sample results (0.13% of the 15,400 results) required an actual value change, and 226 sample results (1.6%) required qualifier changes. All revised data for both Phase II and Phase III field investigation events were deemed usable. Additional details regarding the laboratory data breach are discussed in Section 2.14 of this Field Report.

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1.0 INTRODUCTION

Camp Hero is a formerly used defense site (FUDS) undergoing a Remedial Investigation and Feasibility Study (RI/FS) under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). The primary objectives of the Camp Hero RI are to determine the nature and extent of potential releases and impacts in site media from former military operations, and to subsequently quantify whether there are unacceptable risks posed to human health or ecological receptors. This RI/FS program for Camp Hero is being conducted by AECOM on behalf of the AECOM-Tidewater Joint Venture (JV) in coordination with the United States Army Corps of Engineers (USACE), New England and New York Districts, as well as the Environmental and Munitions (EM) Center of Expertise (CX). A Camp Hero general location map is provided as **Figure 1-1** in **Appendix A**.

The RI technical approach consists of three phases of field investigation: Phase I, Phase II, and Phase III. The primary objective of the Phase I field investigation was to determine the presence or absence of contamination at the 47 Camp Hero Areas of Concern (AOCs). Phase I field activities included collection of discrete, biased surface and subsurface soil samples for use in the preliminary screening evaluation (PSE) and grab groundwater samples for use in refining the groundwater conceptual site model (CSM). The Phase I field investigation was conducted between 16 May and 24 June 2016 and is documented in the Phase I Investigation Field Report (AECOM-Tidewater JV 2016b).

The Phase II field investigation evaluated the extent of residual light non-aqueous phase liquid (LNAPL) and related constituents present at the former Building 203 AOC (now DU01). The Phase II field investigation also included the installation and sampling of 15 sitewide background monitoring wells. The Phase II field investigation was conducted between 28 November and 16 December 2016 and is documented in the Phase II Investigation Field Report (AECOM-Tidewater JV 2018).

The PSE was completed using the Phase I and II RI dataset to (1) determine which AOCs require further assessment as part of the Phase III field effort and (2) refine the list of parameters for sample collection during the Phase III field effort with the intent of completing the RI phase of the CERCLA process. The PSE is available as Appendix E to the Phase III Sampling and Analysis Plan (SAP) (AECOM-Tidewater JV 2017b). Based on the PSE, a total of 21 AOCs, plus 6 segments of the former sitewide waste disposal system AOC, warranted further assessment and were grouped into 18 geometric Decision Units (DUs) for the Phase III field investigation.

The primary objectives of the Phase III field investigation were to:

- Collect an unbiased, representative dataset for potentially impacted surface and subsurface soil associated with each of the individual DUs;

- Collect a representative background dataset for surface water and sediment at a sitewide scale, as well as collect unbiased, representative surface water and sediment data in exposure areas in the vicinity of DUs to assess whether DU constituents have potentially impacted downgradient surface water and sediment;

- Establish a representative groundwater monitoring well network and collect groundwater samples on a sitewide scale, as well as on a local scale in the vicinity of DUs that could potentially have (or have been demonstrated in previous RI results to have) localized groundwater impacts; and

- Collect additional physical and chemical data to support the development of the RI CSM, risk assessments, and the FS.

The Phase III field investigation was conducted between 30 May and 28 June 2017 and is documented in this Field Report.

1.1 Facility Background

The Camp Hero State Park Site consists of 469 acres located on the eastern tip of the South Fork of Long Island, NY, approximately 5 miles east of the Village of Montauk in Suffolk County, NY (**Figure 1-1** in **Appendix A**). The Site is bounded by Montauk Highway (Route 27) to the north, the Atlantic Ocean to the south, Montauk Point State Park to the east, and Camp Hero's undeveloped sanctuary area to the west.

Camp Hero was originally established in early 1942 as a Coastal Defense Installation and was utilized by the Department of Defense (DoD) for training and other activities over the course of the following decades. Between 1974 and 1984, site lands were incrementally transferred to state, local, and other federal agencies, and the facility was permanently closed in 1982. Camp Hero is now used as a State Park and is owned by the State of New York and operated under the jurisdiction of the Office of Parks, Recreation, and Historic Preservation. In order to streamline this field report, the full facility history is not provided in this document. A detailed facility history can be referenced in the Camp Hero Final RI Work Plan (AECOM-Tidewater JV 2016a).

1.2 Scope and Objectives

This Phase III Investigation Field Report documents the Phase III field investigation at Camp Hero during May and June 2017. The objectives of this Field Report are to:

- Summarize the Phase III RI field activities, including wetlands delineation and management, Unexploded Ordnance (UXO) anomaly avoidance, rare plant surveys, vegetation clearance, installation and development of new monitoring wells, down-wind community air monitoring

during drilling activities, soil sample collection within the DUs, groundwater sample collection from sitewide monitoring wells, background surface water and sediment sample collection, and sitewide surface water and sediment sample collection from multiple stream exposure areas;

- Present details on any significant deviations from the Phase III SAP that occurred; and
- Provide field data and analytical data from the off-site laboratory, Eurofins Lancaster Laboratories Environmental (ELLE), LLC (Lancaster, PA).

1.3 Report Organization

This Field Report is organized into the following sections:

- **Section 1.0:** Introduction – provides an introduction to the project including the scope and objectives, installation background, and organization of this Field Report.
- **Section 2.0:** Field Investigation Tasks – provides descriptions of general field investigation procedures and information on the data analysis and validation process.
- **Section 3.0:** Background Surface Water and Sediment Sampling – provides the approach and overview for the Camp Hero background surface water and sediment sampling.
- **Section 4.0:** Field Sampling and Data Collection – presents the Phase III field investigation activities for each DU, sitewide groundwater, and sitewide surface water and sediment at Camp Hero.
- **Section 5.0:** Deviations from the Phase III SAP – presents a list of deviations from the Phase III SAP.
- **Section 6.0:** References – lists the references utilized in this Field Report.

The following appendices are included in this Field Report:

- **Appendix A** contains the figures referred to in this Field Report.
- **Appendix B** contains the tables referred to in this Field Report.
- **Appendix C** contains the Community Air Monitoring results. Continuous air monitoring was completed during Phase III field investigation downwind of intrusive activities, in accordance with the modified generic NY State Department of Health (NYSDOH) Generic Community Air Monitoring Plan (CAMP), Attachment 1A of the New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER)-10 Technical Guidance for Site Investigation and Remediation (NYSDEC 2010).

- **Appendix D** contains the land surveying report and data form the Phase III field investigation.
- **Appendix E** contains the Investigation-Derived Waste (IDW) disposal documentation from the Phase III field investigation.
- **Appendix F** contains the laboratory analytical data results from the Phase III field investigation, the laboratory IDW report, the data validation reports, the Eurofins Lancaster Laboratories Environmental LLC (ELLE) Corrective Action Summary Letter, and the Camp Hero Project Laboratory Subcontractor Data Quality Breach Letter.
- **Appendix G** contains the Daily Reports completed during Phase III field investigation.
- **Appendix H** contains a photograph log of significant photos collected during the Phase III field investigation, which are not already included in the Daily Reports.
- **Appendix I** contains field documentation including well boring logs, well construction and development forms, groundwater sampling forms, surface water and sediment sampling forms, stream exposure area characterization sheets, soil boring logs and sampling forms, and raw slug test data.

2.0 FIELD INVESTIGATION TASKS

The Phase III RI field investigation activities at Camp Hero included a botanical survey for rare and threatened plant species, wetland delineation, best management practices (BMPs) for wetland avoidance and minimization, stream exposure area characterization, UXO anomaly avoidance, community air monitoring, permanent monitoring well installation and development, hydraulic conductivity (slug) testing, field sample collection, and land surveying. Details of each activity are provided in the sections below.

2.1 Coordination with Stakeholders

Project kick-off meetings were held to initiate coordination with stakeholders. Activities were coordinated with the Camp Hero State Park Superintendent, Mr. Tom Dess, to ensure activities did not impact park visitors or conflict with seasonal work restrictions. Additionally, activities were coordinated with the State Historic Preservation Officer and other interested parties and stakeholders, in accordance with Section 106 of the National Historic Preservation Act of 1996, as amended and 36 Code of Federal Regulations (CFR) 800.

The New York Natural Heritage Program (NYNHP) and NYS Office of Parks, Recreation, and Historic Preservation (OPRHC) were consulted regarding Camp Hero RI activities, with particular focus on the botanical survey of rare and endangered species (see Section 3.1 below). Coordination letters were submitted to the NYSDEC Region 1 Office, the United States Fisheries and Wildlife Service (USFWS) New York Field Office, and the Shinnecock Nation regarding planned Camp Hero activities. The coordination letters indicated the USACE's intent to conduct an RI at Camp Hero, with the purpose of assessing if the former DoD activities may have resulted in adverse environmental conditions. The letters additionally explained the scope of the RI and stated that care would be taken to minimize impacts to vegetation and local threatened and endangered species. Copies of coordination correspondence are available in the Phase I Investigation Field Report (AECOM-Tidewater JV 2016b).

2.2 Rare Plant Survey

A botanical survey for rare and threatened species at Camp Hero was completed during the Phase III field event, prior to any vegetation removal activities. The NYNHP identified four rare plant species which have been historically reported within Camp Hero State Park, including: Little-leaf Tick-trefoil, Fringed boneset, Blunt mountain-mint, and Southern arrowwood (NYNHP 2010).

Prior to the botanical survey field activities, the AECOM botanist researched the habitat requirements, phenology, critical diagnostic characteristics, and morphologically-similar congeners for the target plant species identified as potentially occurring in the vicinity of the Camp Hero DUs

by the NYNHP. Botanical references and regional field manuals were consulted for the northeastern United States as well as Flora of North America.

During the Phase III field investigation, each DU and monitoring well installation location was surveyed for the four rare plant species. If any rare plant species were identified, they were marked with pink and black striped flagging. The USACE and AECOM team was consulted to determine the best method to avoid destruction of any protected plants by subsequent investigative procedures, including brush clearing and use of heavy equipment.

One of the target rare plant species, *Viburnum dentatum* var. *venosum* (Southern arrowwood), was encountered with great frequency throughout Camp Hero; in some areas, it was co-dominate in the forested understory or upland successional shrub lands and it appears the population is stable and thriving. While all larger specimens were flagged, a small number of sites also had numerous seedlings that are almost impossible to avoid without employing extraordinary measures. In consultation with the NYSDEC, NYNHP, and NYS OPRHC, it was concluded that the destruction of a few seedlings during the course of further remedial investigation at Camp Hero would be acceptable in light of the large and stable population of *Viburnum dentatum* var. *venosum*.

2.3 Wetland Delineation and Best Management Practices

Wetlands evaluation was completed at all DUs and around monitoring well locations during the Phase III field investigation prior to drilling activities or stream sampling. Where wetlands boundaries were observed within the DU, a delineation was performed including flagging and Global Positioning System (GPS) location of flagging within the DU. The wetland delineation was conducted in accordance with the NY State Freshwater Wetlands Delineation Manual (NYSDEC 1995) and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region, Version 2.0 (USACE 2012). The methodology producing the more inclusive wetland boundary was used at each area of delineation. The following summary describes the wetland avoidance and minimization procedures established for Camp Hero.

No wetland conditions were observed at 8 DUs (DU01, DU04, DU09, DU10, DU12, DU13, DU14, and DU18). Wetland conditions were observed at the remaining 10 DUs (DU02, DU03, DU05, DU06, DU07, DU08, DU11, DU15, DU16, DU17, and DU18) and the aboveground storage tank (AST) 35/FPH and STB monitoring well areas, roughly ranging from covering 10% to 100% of each respective DU.

Pink wetland flagging tape with "WETLAND DELINEATION" was hung to clearly demark the wetland boundaries prior to the commencement of any disturbance activities. In accordance with article 24 of the NY Freshwater Wetlands Act, Class 1 NY State Freshwater wetlands (wetlands of 12.5 acres or more, except for wetlands of "unusual local importance" as determined by DEC) were afforded a

100 foot (ft) buffer zone from heavy equipment (NYDSEC 1997). Where the 100 ft buffer zone intersected the DU extent, yellow and black striped flagging was hung to clearly demark the heavy equipment exclusion area. Where the entire DU was within a state buffer zone, the field crew team disseminated information to heavy equipment crews to avoid the entire DU if practicable. A buffer zone was not established for wetlands which were not state-mapped. Wetland boundary coordinates were collected in the field using a Trimble Geo X7 handheld GPS. Wetland boundaries are displayed on the DU-specific figures in Section 4.0 of this field report.

Established BMPs for avoidance and minimization are presented on **Table 3-1** (**Appendix B**). "Site standard" BMPs for avoidance and minimization were implemented at all DUs, including but not limited to:

- Minimal vegetation clearance and limiting tree clearing to trees less than 3 inches in width;
- Monitoring wells located within wetland or buffer zone boundaries were relocated outside of the established boundaries; and
- Direct push soil sample locations falling within wetland or buffer zone boundaries were either relocated outside of the established boundaries or collected via hand-auger to a shallower depth (refer to Section 2.10 for additional details).

In addition to the above avoidance and minimization BMPs, at DU07, the entire sampling grid was shifted to the west to allow for more sample locations to be accessed by a drill rig, to avoid the 100 ft buffer zone but still encompass a representative exposure area covering the targeted former AOCs. At DU08, the entire DU (with the exception of the roadway running through the DU) were inundated with water. No soil samples were collected; instead, surface water and sediment samples were collected.

Work within wetland areas occurred in the following two circumstances:

- The monitoring well at AST35/FPH (CH-MW024) was installed in wetland boundary (not state-mapped). It was not possible to relocate the well, because it was placed strategically in a potential petroleum release area, downgradient of a former AST and upgradient of a creek. Wetland impact minimization procedures included using matting and a catch basin to collect liquid and soil cuttings to minimize potential release of sediment to wetlands; utilizing one point of machinery entry and exit to minimize clearing and disturbance, raking ruts to reestablish pre-condition contours and re-seeding denuded areas with wetland seed mix; and verifying successful initial vegetative re-establishment and contours two weeks post-installation.

- Monitoring wells at DU08 (CH-MW036 and CH-MW037), DU15 (CH-MW039 and CH-MW040), and STB (CH-MW026 through CH-MW028) were installed within the 100 ft buffer zone of state-mapped wetlands boundaries (Class 1), but within park-maintained roadways, lawns, or asphalt lots. As these areas were already "disturbed," no impacts to wetlands or the buffer occurred. Lawns within the 100 ft buffer zone that driven over by heavy equipment were monitored after two weeks to ensure no change to turf-grass (such as bald spots or ruts) had occurred.

2.4 Stream Exposure Area Characterization

Stream exposure area characterization information was collected during the Phase III RI field effort in June 2017. The purpose of the characterization was to collect information pertinent to the ecological risk assessment, further understand the surface water flow drainage at Camp Hero, and identify drainage channels which have revetments. The revetments were built within some of the drainage channels during DoD site activities and consist of wooden planking lining each side of the drainage embankment, with wooden cross-ties for support. While the exact date of installation is unknown, the revetments were likely installed in the 1940s or 1950s during active military operation of the facility. Information collected included where the stream was shaded, whether sediment deposition was occurring, if vegetation was growing in the channel, land use, whether trash or discharge pipes were present in the channel, and additional ecological information. Characterization was completed for all stream exposure areas where surface water and sediment samples were collected.

2.5 Anomaly Avoidance

An UXO Probability Assessment for Intrusive Investigation at Camp Hero completed by USACE Baltimore District determined that the Camp Hero RI activities had a low probability of encountering munitions and explosives of concern (MEC), except for areas H and K, which would not be entered at any point during RI field activities (USACE 2016a; 2016b). However, as a precautionary measure, anomaly avoidance was conducted in accordance with EM 385-1-97 by a UXO Technician II during intrusive Phase III field investigation with a hand-held magnetometer. "Anomaly avoidance" is defined as the avoidance of surface MEC and any subsurface anomalies where the specific activity can be moved to another location. The locations examined by the UXO Tech II were all monitoring well and soil boring areas within the DUs. No munitions items were observed during investigation activities.

Additionally, all field personnel, including AECOM employees and subcontractors, completed Ordnance Recognition Training prior to the start of field activities.

2.6 Community Air Monitoring

Continuous air monitoring was completed downwind of the drill rig during intrusive activities, in accordance with the modified generic NYSDOH Generic CAMP, Attachment 1A of the NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation. The CAMP establishes air monitoring activities that were to be implemented to protect the community from any potential airborne releases that could result from field activities associated with the RI or interim remedial action efforts, as necessary (NYSDEC 2010). Parameters monitored included VOCs and aerosol concentrations corresponding to PM_1, $PM_{2.5}$, and PM_{10} size fractions. No exceedances of thresholds established in the NYSDOH Generic CAMP were observed during Phase III field investigation. Data from Phase III field investigation air monitoring are included as **Appendix C** to this Field Report.

2.7 Monitoring Well Installation

A total of 22 permanent monitoring wells were installed during the Phase III field activities at Camp Hero, creating a sitewide network of 43 wells total. Sonic drilling methods were utilized for installation of the wells, with the exception of two monitoring wells (CH-MW024 and CH-MW040), as described below. An exclusion zone was established with cones surrounding the drilling operation. During sonic drilling operations, the drilling team put a sheet of plastic under the sonic drill rig and around the tracks to act as a containment barrier in the unlikely event of a release. The sonic drill was advanced through a tub to containerize any water and cuttings generated during drilling. A 4-inch inner diameter (ID) core barrel and a 6-inch ID temporary override casing was utilized advance through the overburden material to the borehole target depth. Soil within each 5-foot long core barrel was extruded from the core barrel into a plastic sleeve. The plastic sleeve was then placed horizontally on clean plastic for logging and sampling purposes.

An unused 2-inch diameter milled slot poly-vinyl chloride (PVC) screen and casing was installed to the bottom of the borehole and sand pack was placed in lifts as the drilling crew pulled the casing back to expose the well screen. The filter pack was poured directly into the borehole annular space from the top of the 6-inch temporary casing and allowed time to settle and avoid bridging. The borehole above the sand pack was sealed with 2 feet (ft) of bentonite chips. The remaining annular space between the well casing and the 6-inch temporary override casing from the top of the sand pack to the ground surface was pressure-grouted with a bentonite/cement grout using a tremie pipe. The remaining 6-inch temporary diameter sonic casing was pulled from the ground. The vibration that is applied to the casing as it is pulled served to densify and degas the grout, as well as to knit the grout into the borehole wall. The vibration is also utilized in the emplacement of the screen sand pack, which promotes a consistent, more compacted filter pack and helps prevent bridging (voids).

Due to rig access issues and the presence of wetlands, two monitoring wells (CH-MW024 and CH-MW040) were installed using Direct Push methods and pre-packed screens. The prepacked well screens were constructed of 2-inch well screens with a 1.25-inch thick sand pack surrounding the screen, with a total outside diameter of the prepacked well screens and sand filter to be 3.25-inch. The borehole above the prepacked well screens sand pack was sealed with 2 ft of bentonite chips. The remaining annular space between the 2-inch well casing riser and the 4-inch core barrel from the top of the bentonite seal to the ground surface was pressure-grouted with a bentonite/cement grout using a tremie pipe.

Additionally, the Phase I piezometer PZ-3 was secured with a well vault and pad. This location was originally intended to be a temporary location for gauging groundwater elevations during the Phase I field investigation, but because LNAPL was present in the piezometer, it was not abandoned. IDW generated during the well installation process was contained and transported to the IDW storage area.

2.8 Monitoring Well Development

Permanent monitoring wells were developed at least 24 hours after completion of well installation. Development was completed by a combination of surging with a surge block and over-pumping with a submersible monsoon pump. Water clarity was visually monitored and water quality parameters, including dissolved oxygen (DO), specific conductivity (SC), oxidation-reduction potential (ORP), pH, temperature, and turbidity, were measured using a YSI 6920 V2 multi-parameter water quality sonde with flow-through cell every 5 minutes during purging to determine progress of development. The multi-parameter water quality meter was calibrated at the beginning of each day and continually throughout the day if needed. A calibration check was performed at the end of each day. Each well was developed until the well produced clear (silt-free) water with a minimum of three stable water quality readings, as outlined below:

- pH – within ± 0.2 units.
- SC – within ± 3 percent (%).
- DO – within ± 10%
- ORP – within ± 10 millivolts.
- Temperature – within ±1 degree Celsius.
- Turbidity – at or below 10 nephelometric turbidity unit (NTU) or within ± 10% if above 10 NTU.

If any water was added to the well's borehole during development or drilling, three times the volume of water added was removed during well development, when possible. If the well had slow

groundwater recharge and was purged dry, the well was considered developed when pumped dry three times in succession.

2.9 Hydraulic Conductivity (Slug) Tests

In-situ hydraulic conductivity test data, via rising or falling head slug tests, was collected at permanent monitoring wells CH-MW016, CH-MW018, CH-MW019, CH-MW020, and CH-MW021 near DU01. Slug testing was not conducted at CH-MW017 because LNAPL was present in the well. Slug tests were performed to assess the hydraulic conductivity of the soil surrounding the tested monitoring well. Hydraulic conductivity values can be used to estimate rates of groundwater flow, estimate responses of aquifers to applied stresses (such as pumping), estimate the rate of movement of various chemicals in subsurface zones, and construct and calibrate groundwater flow models.

The monitoring wells tested were previously developed or sampled and had sufficient time to equilibrate before the testing was conducted. An initial round of static water level measurements was collected prior to initiating the slug tests and recorded in the field logbook. During the variable head test (slug test), a sudden rising or falling of the static water level in the monitoring well was produced by submerging or withdrawing a solid cylinder of known volume. Water levels were monitored and recorded until the water level returned to static conditions or sufficient data was collected to perform the hydraulic conductivity calculations.

The response of the water level to the test was monitored using an In-Situ Level Troll 700 Data Logger. The datalogger was lowered into each monitoring well and hung at a field determined depth below top of casing. The datalogger depth was set low enough to fully submerge the slug. Each datalogger was programed using a Win-Situ program through use of an In-Situ Rugged Reader. Test results were monitored real-time in the field using the Rugged Readers. All equipment that came into contact with the groundwater was decontaminated between each test location.

2.10 Field Sampling

Sample collection for the Phase III field investigation included surface soil (defined as soil from 0 to 1 ft below ground surface [bgs]), subsurface soil (1 to 10 ft bgs or 1 to 2 ft bgs in wetlands), groundwater, surface water, and sediment media. After sample collection, samples were transferred to the appropriate sample container for laboratory analysis and placed in a cooler on ice. The required sample containers, preservatives, and holding times were specified in the Phase III SAP (AECOM-Tidewater JV 2017b). Samples were transported by courier to ELLE (Lancaster, PA) for analysis. Analyses performed included volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs; including polycyclic aromatic hydrocarbons [PAHs]), metals (including hexavalent chromium [Cr^{6+}] in 10% of samples sitewide and mercury), and/or polychlorinated

biphenyls (PCBs). In order to meet project data quality objectives, the PAH subset of some SVOC samples were analyzed by Method 8270D with Selected Ion Mass Spectrometry (SIM).

Sample locations were marked with a pin flag with sample identification number and vertical and horizontal position coordinates were collected by a New York licensed surveyor. All non-disposable sampling equipment (i.e., drill rig core barrel) was decontaminated between sample locations. Decontamination generally consisted of a water rinse to remove gross contamination (if needed), followed by a non-phosphate detergent (e.g., Liquinox) water rinse, and a rinse with de-ionized water. Smaller equipment needing to be stored or transported was wrapped in aluminum foil after air-drying. Details on the sampling methodology are presented below.

Surface and Subsurface Soil: Subsurface soil samples were collected using a Direct Push Geoprobe® drill rig. A Geoprobe® dual-tube sampling system was used to collect continuous soil cores by advancing a 5-ft (60-inch) coring barrel fitted with the dedicated, disposable PVC liners to the target depth. At locations where Direct Push borings were conducted, surface soil samples were collected from the soil core. At locations where only surface soil samples were collected, a hand auger, disposable scoop, or shovel was used for sample collection. As established in the Phase III SAP, subsurface soil samples were collected via hand-auger from 1 to 2 ft bgs in wetland areas (AECOM-Tidewater JV 2017b).

Soil cores were screened for VOCs immediately upon opening the sleeve with a photo-ionization detector (PID) utilizing a 10.6 electron-Volt bulb. Screening results, lithologic descriptions, and other observations and measurements were recorded on a soil boring log by the field geologist. At a minimum, depth interval, recovery thickness, PID concentrations, moisture, relative density, color (using a Munsell soil color chart), and texture using the Unified Soil Classification System were recorded. Additional observations recorded may have included detectable odors, groundwater or perched water depth, organic material, or color changes indicating staining. Photographs were also taken of significant boring cores.

Surface soil samples were collected 0 to 1 ft bgs at all DUs. Subsurface soil samples were collected from a target depth of 1 to 10 ft bgs at DUs warranting additional subsurface soil investigation, as established in the PSE (AECOM-Tidewater JV 2017b). In wetland areas, subsurface samples were collected from 1 to 2 ft bgs.

VOC samples were collected directly from the recently-exposed soil using a sampling corer (Terra Core kits). For the other analyses, the soil was removed and transferred to a disposable, re-sealable plastic bag or large piece of poly sheeting (depending on the volume of soil) and was then homogenized, which consisted of mixing the soil until the sample is a uniform color, texture, and particle size. Any

non-homogenous particles, organic matter, and debris were removed from the soil samples prior to filling the laboratory-supplied sample containers.

Soil Permeability (Shelby Tubes): Shelby tubes samples were collected via sonic drilling methods at two locations, adjacent to monitoring wells CH-MW019 and CH-MW021. Shelby tube samplers are thin-walled, hollow steel tubes, which are driven into the ground to extract a relatively undisturbed soil sample for use in laboratory tests used to determine density, permeability, compressibility, and strength. Data from the Shelby tube samples will be used in conjunction with the hydraulic conductivity data to evaluate potential response actions in the FS.

Each Shelby tube sample was collected from the clay soil unit which underlies the perched groundwater in a 3-inch outer diameter Shelby tube following American Society for Testing and Materials (ASTM) D1587/D1587M. Once the sample was recovered, the total length was recorded to the nearest inch and logged on the side of the tube, the borehole log, and the field book. Prior to sealing, approximately 1-inch of material was removed from the lower end of the tube. The tubes were sealed on both ends using waxed caps and stored in laboratory-provided containers to ensure the tubes were transported in an upright position. Samples were submitted to the geotechnical laboratory for measurement of soil permeability (hydraulic conductivity) following ASTM method D5084 (hydraulic conductivity of saturated porous materials using a flexible wall permeameter).

Groundwater Sample Collection from Permanent Monitoring Wells: Groundwater samples were collected from the newly-installed permanent monitoring wells a minimum of 72 hours after development using low-flow sampling methodology. Groundwater levels were measured in each well prior to sampling using a water level meter (Solonist or equivalent). The monitoring wells were purged using low-flow sampling techniques using peristaltic pump or bladder pump and disposable tubing. Bladder pumps were used only when the hydraulic head was too low for use of a peristaltic pump. Water quality parameters, including DO, SC, ORP, pH, temperature, and turbidity were measured using a YSI 6920 V2 multi-parameter water quality sonde with flow-through cell. Readings were collected every five minutes until the well produced clear (silt-free) water with a minimum of three stable water quality readings, as outlined above in the Well Development procedures (Section2.8), or for a maximum of two hours, or until the well ran out of water. The multi-parameter water quality meter was calibrated initially and continually throughout its usage each day, as needed. A calibration check was performed at the end of each day.

Once the water quality parameters reached stabilization, samples were collected in laboratory-supplied bottleware. Unfiltered and filtered groundwater samples were collected at each location. Filtered samples were collected for dissolved SVOCs, metals (including Cr^{6+} [in 10% of samples] and mercury), and PCBs (if applicable); filtered samples were not appropriate for VOCs. Filtered

samples were field-filtered using a clean, disposable in-line filter. The pH of dissolved and total Cr^{6+} samples was adjusted according to the procedures outlined in the SAP (AECOM-Tidewater JV 2017b). A subset of monitoring wells (approximately 20%) was selected for analysis of an expanded parameter list to assess the potential for Monitored Natural Attenuation (MNA). These additional parameters included biochemical oxygen demand, total oxygen demand, total organic carbon (TOC), chlorides, sulfates and sulfides, nitrates and nitrites, alkalinity, methane, ethane, and ethene.

At wells where MNA parameters were collected, the concentration of ferrous iron (Fe^{2+}) in filtered and unfiltered groundwater samples was analyzed in the field using the HACH® DR890 Colorimeter and HACH® Method 8146, according to the procedures in the Phase III SAP (AECOM-Tidewater JV 2017b). Samples were analyzed immediately after collection because Fe^{2+} readily oxidizes to ferric iron upon exposure to air. Dilutions were conducted for samples with Fe^{2+} concentrations greater than 3.30 milligram per liter (mg/L).

Recharge in one well (CH-MW021) was insufficient to complete sampling via low-flow methodology. Instead, a grab groundwater sample was collected at this well. One set of water quality parameters was collected at the end of grab sampling.

Surface Water and Sediment Sample Collection: Co-located surface water and sediment samples were collected from permanent, intermittent, revetted, and non-revetted stream exposure areas throughout Camp Hero in the vicinity of DUs with potential environmental impacts. Surface water samples were collected first at each location, prior to sediment sampling. Samples were not collected directly following a rain event. Sampling occurred from downstream to upstream locations and agitation of the sediment and water at shallow locations was minimized. Physical characteristics of the sampling locations (e.g., water depth, stream width, etc.) were documented on the field forms.

All surface water samples were analyzed for SVOCs, metals (including Cr^{6+} [in 10% of samples] and mercury), and hardness; select surface water locations were analyzed for additional parameters, depending on the exposure area CSM established in the Phase III SAP (AECOM-Tidewater JV 2017b). Filtered surface water samples were also collected for SVOCs, metals, and PCBs (where applicable) when the turbidity was >10 NTU. Although the Phase III SAP established that filtered samples would only be collected for organic parameter groups (SVOCs, PAHs, PCBs) in surface water if the turbidity was elevated (>10 NTU), filtered surface water samples were to be collected for dissolved metals analysis regardless of the turbidity. Due to a misinterpretation of the SAP, filtered surface water samples were generally only collected when the turbidity was elevated (>10 NTU). Unfiltered metals in surface water were collected as planned at all locations.

In some cases, field-filtered samples were collected when the turbidity was not elevated. These exceptions included some locations where the field team thought the field turbidity meter was not working properly, and thus erred on the side of caution by filtering, and at locations CH-SWSD150 through CH-SWSD155, where samples were collected by wading into the pond and were filtered due to do the potential for stirring up sediment in the pond during collection. Due to these exceptions, field-filtered surface water locations were collected at eight locations where the NTUs were less than 10. (Refer to Section 5.0 for additional details on this deviation from the Phase III SAP).

Surface water was pumped from the source using a peristaltic pump with disposable tubing and placed into the appropriate laboratory-supplied bottleware containing chemical preservatives, if necessary. For filtered surface water samples, individual disposable in-line filters were used to field-filter water samples. Each filter was used once and discarded as non-hazardous waste.

At the end of surface water sampling, field parameters including ORP, pH, SC, temperature, DO, and turbidity were measured with a water quality meter and recorded in the field logbook or sampling form. An YSI 6920 V2 multi-parameter water quality sonde was used to collect field parameters. The water quality meter was calibrated at the beginning of each day and continually throughout the day if needed. A calibration check was performed at the end of each day.

Once surface water sampling was complete, sediment samples were collected from 0 to 0.5 ft bgs using an Eijkelkamp Flap gouge auger or a clean, disposable scoop. Sediment samples targeted the fine grained material from depositional areas. All sediment samples were analyzed for SVOCs, metals (including Cr^{6+} [in 10% of samples] and mercury), and TOC; select locations were analyzed for additional parameters, depending on the exposure area CSM. Material such as twigs, leaves, and stones were removed and samples were then homogenized in disposable bags prior to filling laboratory-supplied sample containers.

Sample Identification: The sample identification (ID) number consisted of a Location ID (an alphanumeric designation related to the DU or facility), plus alphanumeric designations for the event, media type, and/or consecutive number, according to the following conventions. Permanent monitoring wells locations and surface water/sediment sample locations utilized the Facility ID ("CH" for Camp Hero) instead of a DU component, since they were assessed at a site-wide level.

Location IDs for permanent monitoring wells used the Facility ID ("CH") followed by "-MW" and then the consecutive number (01, 02, 03, etc.). Permanent wells were numbered sequentially across the entire facility.

Groundwater samples collected from permanent monitoring wells used the following naming convention:

Facility ID: CH-
Well Location ID: MW001, MW002, MW003, etc., to MW043 *(numbered sequentially)*
Consecutive Sampling Event Number: -01, -02, -03, etc. *(The Phase II field event in Fall 2016 had the sample event number "-01" and the Phase III field event had the sample event number "-02".)*

For example, the sample identification number for the groundwater sample collected from monitoring well CH-MW016 in June 2017 was CH-MW016-02.

Surface water and sediment samples collected sitewide used the following naming convention:

Facility ID: CH-
Surface Water/Sediment Location ID: SWSD001-, SWSD002-, etc., to SWSD155-
Media Type: SW = Surface Water, SE = Sediment
Consecutive Sampling Event Number: 01, 02, 03, etc. *(The Phase III field event had the sample event number "-01" for surface water and sediment, as it was the first time sampling those media during the RI.)*

For example, the sample identification number for the surface water sample collected from location SWSD096 in June 2017 was CH-SWSD096-SW01.

Soil samples collected from temporary soil borings used the following naming convention:

DU Identification (ID): DU01-, DU02-, DU03-, etc., to DU18
Media Type: SO = Soil
Consecutive Location Number within DU: 01, 02, 03, etc., to 16
Beginning depth of sample (in ft): -00, -01, etc.
End depth of sample (in ft): -01, -10, etc.

For example, the sample identification number for the sixth soil location sample collected at DU01 from 1 to 10 ft bgs was DU01-SO06-01-10. This nomenclature also applies to surface soil samples; surface soil sample IDs ended in "-00-01" to represent the 0 to 1 ft bgs depth interval.

Field duplicate sample identification numbers were followed with a "D". Matrix spike (MS) sample identification numbers were followed with a "MS" and matrix spike duplicate (MSD) sample identification numbers were followed with a "MSD." Filtered liquid (groundwater and surface water) samples ended with a -F.

Sample Handling, Storage, and Shipment: Samples were collected into laboratory-supplied bottleware and placed in a cooler on ice. Sample times, dates, and analyses were recorded on boring logs, field sample forms, and field team logbooks. Samples were then quality-control checked by the site Sample Manager and recorded on chain-of-custody (COC) records prior to being packed in coolers on fresh ice and transported via courier to the laboratory. Original COCs were transferred to the courier with their respective samples; carbon-copies of the COCs were kept on-site by the Sample Manager and emailed to the laboratory and project chemist each night.

Borehole Abandonment: Direct Push borings were abandoned at completion of sampling activities. In accordance with NYSDEC Technical Guidance for Site Investigation and Remediation (2010), soil cuttings from soil borings without petroleum impacts were disposed at the site within the corresponding borehole to within 24 inches of the ground surface with the remainder of the borehole filled with bentonite. If impacts were noted, the soil was containerized as solid IDW and the borehole was abandoned by backfilling with bentonite chips.

Additionally, 15 temporary well locations from the Phase I field investigation at the former Building 203 (DU01) and the AST35/FPH areas were abandoned by removing the top five ft. of PVC riser (at a minimum) and backfilling with granular bentonite. These temporary wells were left in place at the conclusion of the Phase I to potentially support the LNAPL investigation at the former Building 203 area. The temporary wells were located in fenced areas of the park off-limits to the public. The surface at each location was restored to match the surrounding area.

2.11 Land Surveying

All monitoring wells and Phase III sample locations were marked with a sample identification number and vertical and horizontal position coordinates were obtained by a New York licensed surveyor during the Phase III field investigation. The Phase III field investigation land surveying report is included as **Appendix D** to this Field Report.

Data were obtained using the NYS Plane Coordinate System, Long Island Zone 3104, with horizontal data using the North American Datum (NAD 83) and vertical data using the North American Vertical Datum (NAVD 88). The horizontal control for the locations was surveyed to at least (+/-) 0.10 foot and the vertical control for the locations was surveyed to at least (+/-) 0.01 foot. Equipment utilized included a Trimble R8 Global Positioning System (GPS) with a tripod data system (TDS) Ranger collector and Nikon NIVO 5M Prismless Total Station.

The Trimble R8 GPS was utilized with the real time kinematic (RTK) satellite navigation GPS system connected in real time to New York Precision's RTK Base Network. This is a spatial reference network of continuously operating Global Navigation Satellite System (GNSS) reference stations encompassing Long Island, New York City, and parts of Westchester, NY, into Connecticut. The

equipment and associated procedures achieve sub-centimeter positioning for surveying applications or sub-meter positioning for GIS mapping applications. The locations of all Base Stations are determined using the National Oceanic and Atmospheric Administration's (NOAA) Online Positioning User Service (OPUS) and raw GPS data is automatically processed using standard National Geodetic Survey (NGS) data and models to compute an accurate position. All base stations are constantly monitored for movement and positional accuracy. The Nikon NIVO 5M Prismless Total Station was utilized in locations of heavy tree and brush cover for a portion of collected points.

2.12 Investigation-Derived Waste Management

IDW generated during the Phase III field activities was managed pursuant to applicable Federal, State, and local regulations and guidance, including the United States Environmental Protection Agency (USEPA) Management of Investigation-Derived Wastes during Site Inspections (USEPA 1992), USACE guidance (2013), and NYSDEC Technical Guidance for Site Investigation and Remediation (2010).

Liquid IDW from well installation, development, and sampling was stored in a 3,000-gallon (gal) poly tank provided by the waste hauler. Liquid IDW with potential petroleum impacts was segregated from IDW in the poly tank and stored in five 55-gal drums. Solid (soil) IDW from well installation and sampling was stored in a lined 20 cubic yard roll-off with a locking lid. Solid IDW with petroleum impacts was segregated and stored in one 55-gal drums. All drums and containers were properly labeled indicating the generator, contact information, contents, and date of generation. The tanks, drums, and roll-off were stored at the Camp Hero State Park Motor Pool building, with the permission of State Park Superintendent Mr. Tom Dess.

In accordance with NYSDEC Technical Guidance for Site Investigation and Remediation (2010), soil cuttings from soil borings without petroleum impacts were disposed at the site within the corresponding borehole to within 24 inches of the ground surface with the remainder of the borehole filled with bentonite.

Analytical samples of the solid IDW were collected on 16 June 2017 and analytical samples of the liquid IDW were collected on 27 June 2017 and submitted to the laboratory for waste classification. **Table 2-2** (**Appendix B**) presents the IDW analytical results compared to regulatory levels. All waste was characterized as non-hazardous.

AWT Environmental Services, Inc. (AWT) (Sayreville, NJ) was contracted to transport and dispose of IDW accumulated on site. AWT transported the liquid IDW (1,450 gallons from the poly tank and drums) to disposal facility Clean Water of New York (Staten Island, NY) on 18 July 2017 under non-hazardous waste manifest (#15295-1). AWT transported a portion of the solid IDW (one drum with soil cuttings and 41 DOT/RCRA empty drums) to Clean Water of New York (Staten Island, NY) for

disposal on 18 July 2017 under non-hazardous waste manifest (#15295-2). AWT transported the remaining solid IDW (approximately 3.36 tons of soil cuttings) to Cycle Chem (Elizabeth, NJ) for disposal on 18 July 2017 under non-hazardous waste manifest (#15295-3). Because the pH levels for the soil in the roll-off (pH 11.6) exceeded the disposal criteria, the disposal facility treated the soil with kiln dust to lower the pH to between 5 and 9 upon acceptance of the waste and prior to final disposal. All final waste documentation, including the analytical laboratory package of results, is included in **Appendix E**.

2.13 Quality Assurance/Quality Control Samples

Quality assurance/quality control (QA/QC) samples were collected to ensure field and laboratory protocols resulted in consistent and valid data. The following types of QA/QC samples were collected:

Field Duplicates: One additional set of sample containers were collected along with the normal sample. The duplicate was analyzed as a normal sample at the laboratory. Duplicates were collected at a frequency of one duplicate per ten samples.

Matrix Spike/Matrix Spike Duplicates (MS/MSDs)*:* Two additional sets of sample containers were collected along with the normal sample. MS/MSD samples are representative but randomly chosen samples with known concentrations of analytes of interest added to the samples prior to sample preparation and analysis. They are processed along with the same un-spiked sample.

Equipment Blanks: One equipment blank was collected from each drill rig used for soil sampling (for a total of three equipment blanks). The equipment blank was collected by pouring Type II deionized water over the decontaminated core barrel shoe and collecting the water in the appropriate sample containers.

Trip Blanks: Trip blanks for VOC analysis were provided by the laboratory. One trip blank was included in each cooler with VOC samples for VOC analysis.

2.14 Data Validation

Data validation was conducted on the Automated Data Review (ADR) output for the Camp Hero analytical data. The ADR.net program performed an automated data review of the project samples and produced validation outlier reports and assigned qualifiers; the reports and qualifiers were reviewed and approved by the AECOM chemists. All analytical data packages were validated at a level 2a to ensure compliance with specified analytical, QA/QC requirements, data reduction procedures, data reporting requirements, and required accuracy, precision, and completeness criteria. This includes, but is not limited to, the following:

- Sample preservation and holding times;
- Blanks (method, rinse, and trip);
- MS and MSD samples;
- Laboratory and field sample duplicate samples;
- Surrogates; and
- Laboratory control samples.

Analytical results were assessed for accuracy and precision of laboratory analysis to determine the limitations and quantity of data. The quality of the data collected in support of the sampling activity was considered acceptable. Data validation memos are provided in **Appendix F**.

The data validation process assigned data qualifiers to results that did not meet specified laboratory protocols (J, J-, J+, U, and UJ flags) but were still considered acceptable via the data validation process as well as the "R" qualifier for data that was not usable. The validation qualifiers assigned are:

- J: The result is positively identified and the associated numerical value is an estimated quantity with an unknown bias.
- J+: The result is an estimated quantity but the result may be biased high.
- J-: The result is an estimated quantity but the result may be biased low.
- UJ: The result is not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- U: The result is not detected above the reported sampled quantitation limit.
- NP: The result is not preferred for this analyte by this method as another result is available.
- R: The result is rejected and not usable due to QC reasons.

Hold Time Issues: Three samples (CH-MW037-02, CH-MW037-02D, and CH-MW026-02) did not meet the recommended method hold times for nitrate/nitrite. Analyte detects were qualified "J-" and non-detected values were qualified "R" in the samples. To address the lack of field-filtered surface water samples for metals, surface water samples were filtered at the laboratory. These surface water samples were analyzed for dissolved metals by 6020A; however, the filtration occurred after receipt in the laboratory. The recommended holding time criterion of 15-minutes was exceeded (40 CFR Part 122, 136 requires filtration within 15 minutes). The lab-filtered results are flagged "J" and "UJ" for detected and non-detected results, respectively. If the total metals results (unfiltered) were non-

detected and the lab-filtered results were detected, the result was qualified "R". There were 3.7% rejections in the lab-filtered data.

Nonconformance Issues: The nonconformance concerns addressed during the Phase III field investigation data validation are listed below by analytical method:

- SVOCs via Method SW8270D:

  Issue: The prep technician failed to spike the lab control sample (LCS), MS and MSD with both the LCS mix #1 which contains all project analytes and the SW8270D surrogate mix. The LCS/MS/MSD was only spiked with LCS mix #1 and not with the surrogates; other samples and the blank were correctly spiked with the surrogate mix. **Affected Samples**: DU07-S006-01-03 plus MS/MSD (in SDGnumber APP36); DU07-S013-00-01 (in SDG number APP37); and DU03-S001-00-01, DU03-S001-01-02, DU03-S001-01-02D, DU03-S002-00-01, DU03-S002-01-02, DU03-S003-00-01, DU03-S003-01-02, DU03-S004-00-01, DU03-S004-01-02, DU03-S005-00-01, DU03-S005-01-02, DU03-S006-00-01, DU03-S009-00-01, DU03-S009-01-02, DU03-S013-00-01, DU03-S013-01-02, and DU03-S014-00-01 (in SDG number APP38).

- SVOCs via method SW8270D:

  Issue: The original analyses of several samples had low surrogate recoveries; the lab re-extracted the samples outside of recommended extraction hold times and all samples have acceptable surrogate recoveries.

  Affected Samples: CH-SWSD140-SW01 plus MS/MSD, CH-SWSD134-SW01, CH-SWSD135-SW01D, CH-SWSD135-SW01, CH-SWSD132-SW01, CH-SWSD133-SW01, CH-SWSD130-SW01, CH-SWSD030-SW01, CH-SWSD003-SW01, CH-SWSD017-SW01, CH-SWSD021-SW01, CH-SWSD023-SW01, and CH-SWSD022-SW01 (in SDG number APP26).

- SVOCs/PAHs via Method SW8270D SIM:

  Issue: The PAH SIM blank was prepared with the internal standards (IS) mix that is normally used for the regular SW8270D for one extraction batch; this puts the internal standards at 20 times too high for four of the six IS that are used for SIM. The four IS are: Napthalene-d8, Acenaphthene-d10, Phenanthrene-d10, and Perylene-d12. The PAH compounds not affected by this issue are: pyrene, benzo(a)anthracene, and chrysene.

  Affected Samples: DU07-S006-01-03 plus MS/MSD (in SDG number APP36); DU07-S013-00-01 (in SDG number APP37); and DU03-S001-00-01, DU03-S001-01-02, DU03-S001-01-02D, DU03-S002-00-01, DU03-S002-01-02, DU03-S003-00-01, DU03-S003-01-02, DU03-S004-00-01, DU03-S004-01-02, DU03-S005-00-01, DU03-S005-01-02, DU03-S006-00-01, DU03-S009-

00-01, DU03-S009-01-02, DU03-S013-00-01, DU03-S013-01-02, and DU03-S014-00-01 (in SDG number APP38).

- SVOCs/PAHs via Method SW8270D SIM:

  Issue: The shift ending calibration check (SECC) was out of tune by five minutes due to a computer issue. The SECC passed for everything in the out-of-tune injection and was documented in the case narratives for the affected SDGs.

  Affected Samples: CH-MW021-02, CH-MW031-02, CH-MW032-02, and CH-MW033-02 (in SDG number APP60); CH-MW030-02F, CH-MW020-02F, CH-MW024-02F, CH-MW020-02, and CH-MW024-02 (in SDG number APP61); CH-MW043-02, CH-MW016-02 plus MS/MSD, CH-MW019-02, and CH-MW043-02F (in SDG number APP62).

- SVOCs/PAHs via Method SW8270D SIM:

  Issue: The extraction to analysis holding time was missed for a batch of samples by a day.

  Affected Samples: DU16-S013-01-10, DU16-S001-00-01, DU16-S001-01-10, DU16-S002-00-01, DU16-S002-01-10, DU16-S014-00-01, DU16-S014-01-10, DU16-S011-00-01, DU16-S011-01-10, DU16-S016-00-01, DU16-S016-01-10, DU16-S008-00-01, DU16-S008-01-10, DU16-S004-00-01, and DU16-S004-01-10 (in SDG number APP32).

- PCBs via Method SW8082:

  Issue: During the initial run, the LCS/MS/MSD were not been spiked with the PCB compounds. The surrogates were within specification, and there were no detects for PCBs. The samples were re-extracted nine days out of hold with the proper spikes added to the LCS, MS, and MSD. The LCS and MS/MSD were within specifications on the re-extracted batch.

  Affected Samples: CH-MW039-02 plus MS/MSD and CH-MW040-02 (in SDG number APP54).

- Nitrate/Nitrite via Method SW9056:

  Issue: The initial analysis for nitrate/nitrite consisted of one sample analyzed without the client assigned MS/MSD. This analytical run had misinjected continuing calibration blanks (CCB) that pulled from the wrong vial. The second run (past hold) repeated the samples at the higher dilution, but not with client assigned MS/MSD. All QC checks, continuing calibration verification (CCV) and CCB were within specifications. The third run (also past hold) used the client assigned MS/MSD at both the original and repeated dilutions. The

original analysis of the sample was confirmed by the third run with properly spiked MS/MSD and with CCV and CCB in specifications.

Affected Sample: CH-MW016-02 plus MS/MSD (in SDG number APP62).

For additional details regarding the nonconformance issues, see **Appendix F** (data validation memos).

Laboratory-Filtered Surface Water Samples for Dissolved Metals: During the Phase III field event, filtered surface water samples were collected when the turbidity of the surface water was generally greater than 10 NTUs. Although the Phase III SAP established that filtered samples would only be collected for organic parameter groups (SVOCs, PAHs, PCBs) in surface water if the turbidity was elevated (>10 NTU), filtered surface water samples were to be collected for dissolved metals analysis regardless of the turbidity. Due to a misinterpretation of the SAP, filtered surface water samples were generally only collected when the turbidity was elevated (>10 NTU; refer to Section 5.0 for additional details). Unfiltered metals in surface water were collected as planned at all locations.

After identifying the data gap, a solution was identified that would obtain the filtered surface water dataset for metals, except for mercury and hexavalent chromium. Mercury and hexavalent chromium were not evaluated because the samples were approximately 100 days past their respective hold times. The laboratory had additional sample volume (unpreserved) on hold for all 148 surface water locations (197 samples, including samples from all 148 surface water locations, 30 previously analyzed field-filtered locations, and 19 field duplicate locations). The 197 surface water samples (dissolved and total) were kept in cold storage in amber bottles since the Phase III field event. The laboratory was instructed to filter the 197 surface water samples through a 0.45 micrometer (µm) filter, acidify, and analyze dissolved metals (6020A) on an expedited turn-around-time. All 197 samples were analyzed for the Phase III SAP metals list, minus mercury and hexavalent chromium. Surface water samples were out of hold for both filtration and total metals analysis per guidance in 40 CFR Part 122, 136 which requires filtration within 15 minutes of sample collection. Additional information regarding this issue is discussed under the holding time section of this report.

The lab-filtered metals data was flagged "J" and "UJ" for detected and non-detected results, respectively. If the field-filtered and total results were non-detected and the lab-filtered results were detected, those results were r flagged "R". This flagging scheme was discussed with the USACE Chemist and was based on a comparison assessment between the lab-filtered, the field-filtered, and total metals results. The validated surface water data will be included in the surface water data set for the Ecological Risk Assessment (ERA); however, based on the USACE Chemist's

recommendation, the lab-filtered data will only be considered qualitatively. Any potential data gaps related to this approach will be discussed in the uncertainties section of the ERA.

ELLE Metals Data Breach: On 14 September 2017, an external data validator contacted ELLE in regard to an inductively-coupled plasma mass spectrometry (ICP-MS) result which could not be confirmed during the validation process. The metals department manager reviewed the concern and determined that the reason that the raw result did not match the result presented in the report out of the Laboratory Information Management System (LIMS) was due to a manual change made by an analyst to the data import file between the instrument and the LIMS. The analyst was immediately terminated after admitting to changing numbers. Upon further review, ELLE determined that there were multiple instances where values were changed and launched a full-scale investigation encompassing the terminated employee's tenure. Potential impacts to the Camp Hero project included 13,826 metals data as part of four data packages from the Phase II field event and 29 data packages from the Phase III field event. The four affected data packages from the Phase II field investigation are documented in the revised Final Phase II Investigation Field Report (AECOM-Tidewater JV 2018).

The vast majority of the data changes were made to quality control and/or calibration check samples and not to actual sample results. Where sample results changed, they were due to results exceeding the linear calibration range of the instrument. The results were changed to be slightly lower than the upper limit of the calibration range. Sample analytes that exceeded the calibration range were reanalyzed where within holding time.

AECOM received the final revised level II and level IV lab reports and Staged Electronic Data Deliverable (SEDD) version 5.2 Stage 2a files on 9 November 2017, which consisted of QC data and sample results. Only 14 SEDD files were impacted out of the 33 since laboratory instrument calibration was the main issue for the data breach and raw instrument data files are not included in SEDD 2a deliverables. Due to the data quality breach, AECOM chemists manually reviewed the calibrations for one solid (APP34) and one aqueous (APP61) data package. The two packages were representative of the calibration-related breach items noted by ELLE and exhibited low level calibration check (LLC) compliance issues with multiple analytes.

For APP34, the LLC analyzed on 19 July 2017 exhibited percent recoveries (%Rs) less than 10%. The laboratory indicated that the LLC may have been a blank sample and may not be indicative of the accuracy of the analytical system. The non-compliant LLC appears to be an isolated incident based on the acceptable %Rs of the other LLC samples reported. Upon the calibration review, it was determined that the 18 samples in SDG APP34 required re-digestion and analysis due to the multiple QC failures at the lower end of the calibration range. SW6020A results in APP34 were

rejected, and replaced by the reanalyzed results in APP77. APP34 was the only SDG with LLC values at less than 75 %R (the QC range is 80 to 120 %R).

For APP61, the recoveries were acceptable in the low level calibration check except for a few analytes (aluminum at 132%, calcium at 126%, and barium at 125%). The high LLC recoveries do not affect analytes which were not detected. A single aluminum detection was observed in one instrument blank, which affected two samples (CH-MW020-02 at 36.5 J µg/L and CH-MW024-02 at 130 J µg/L).

Out of 13,836 Phase III metals results in the affected SDGs, only 18 field sample results required value changes (0.13%). There were 226 results which required qualifier changes (1.6%). All 398 rejected metals in SDG APP34 have acceptable results in SDG APP77, and were therefore not included in the numbers of result and qualifier changes. Additional information on the impacts of the metals breach will be discussed in data validation memos for each of the 33 data packages.

The laboratory provided a Corrective Action letter, which is included in this Field Report as **Appendix F4**. Additionally, AECOM prepared the Camp Hero Project Laboratory Subcontractor Data Quality Breach Letter, which is included as **Appendix F5**.

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3.0 BACKGROUND SURFACE WATER AND SEDIMENT SAMPLING

A sitewide network of co-located background surface water and sediment samples were collected upstream of the DUs during the Phase III field effort to establish background levels for naturally occurring constituents and anthropogenic impacts. Background surface water and sediment samples were collected from 15 locations within the revetted drainage channels and 15 locations within the non-revetted drainage channels, for a total of 30 surface water and 30 sediment samples. All samples were collected according to the procedures outlined in Section 2.10 of this Field Report. Background surface water and sediment samples were analyzed for SVOCs, TOC, and metals (including mercury). Additionally, samples were collected for Cr^{6+} analysis at 10% of the locations so speciated chromium constituents can be calculated.

As discussed in Section 2.10, although the Phase III SAP established that filtered samples would only be collected for organic parameter groups (SVOCs, PAHs, PCBs) in surface water if the turbidity was elevated (>10 NTU), filtered surface water samples were to be collected for dissolved metals analysis regardless of the turbidity. Due to a misinterpretation of the SAP, filtered surface water samples were generally only collected when the turbidity was elevated (>10 NTU). The turbidity was less than 10 NTUs at all background locations except one, CH-SWSD002, and therefore field-filtered background surface water samples were only collected at that location.

After identifying the data gap, a solution was identified that would obtain the filtered surface water dataset for metals, except for mercury and hexavalent chromium. As described in Section 2.14, the laboratory filtered and analyzed surface water samples that had been maintained in cold storage in amber bottles since the Phase III field investigation. All samples were analyzed for the Phase III SAP metals list, minus mercury and hexavalent chromium. The field-filtered and lab-filtered results will be used to assess the comparability of results during data evaluation in the RI Report (refer to Section 5.0 for additional details on this deviation from the Phase III SAP).

Background surface water and sediment samples will be used to evaluate sitewide background levels in the RI, establish background threshold values (BTVs), and conduct statistical background means comparisons (hypothesis testing) where needed (i.e., when chemical concentrations are above risk-based screening criteria and BTVs) during the human health and ecological risk assessment portions of the RI. A statistical analysis of the variability of constituents in the background surface water and sediment data sets will be assessed prior to establishing BTVs or conducting means comparisons (including between the revetted and non-revetted datasets). The statistical approach for the background soil evaluation that will be used to derive BTVs for surface water and sediment was established in the Phase III SAP (AECOM-Tidewater JV 2017b).

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4.0 FIELD SAMPLING AND DATA COLLECTION

The field sampling and field data collection at Camp Hero during the Phase III field investigation included installation and development of 22 new sitewide monitoring wells, collection of groundwater samples from 27 monitoring wells, slug testing at 5 monitoring wells near DU01, collection of 30 background surface water and sediment samples, collection of 125 co-located surface water and sediment samples from multiple stream exposure areas, collection of surface soil samples from unbiased grids within 17 DUs, and collection of subsurface soil samples from unbiased grids within 9 DUs.

Analytical results from the Phase III field sampling are provided in **Appendix F** (Laboratory Analytical Reports). Tables with analytical results from the Phase III field investigation will be provided in the final RI Report. The field operations for the Phase III field investigation are detailed in the subsections below and also documented in the Daily Reports (**Appendix G**). Photographs of the Phase III field investigation are included in the Daily Reports and the Photograph Log (**Appendix H**). Field documentation is included in **Appendix I**, including well boring logs, well construction forms, well development forms, groundwater sampling forms, surface water and sediment sampling forms, stream exposure area characterization sheets, and soil boring logs and sampling forms.

4.1 Groundwater Investigation

A total of 22 permanent monitoring wells were installed and developed during the Phase III field activities at Camp Hero, creating a sitewide network of 43 wells total (refer to Sections 2.7 and 2.8 for additional details). Sonic drilling methods were utilized for installation of the wells, with the exception of two monitoring wells (CH-MW024 and CH-MW040), which were installed using Direct Push methods and pre-packed screens (refer to Section 2.7 for additional information). The sitewide monitoring well network is shown on **Figure 4-1**, which also displays the groundwater elevation contours from June 2017 and site topography. The well construction information and well network rationale is presented in **Table 4-1**. Groundwater elevation data from June 2017 is presented in **Table 4-2**.

Filtered and unfiltered groundwater samples were collected at 27 monitoring wells during the Phase III field event, for a total of 54 groundwater samples. All existing and new groundwater monitoring wells were sampled, with the exception of the 15 background wells that were previously sampled to generate groundwater BTVs and one well with LNAPL present. Samples were collected via low-flow methodology according to the procedures outlined in Section 2.10, with the exception of one well (CH-MW021), which had insufficient groundwater present to complete sampling via low-flow methodology. Instead, a grab groundwater sample was collected at this location.

A summary of the Phase III groundwater analytical samples is presented in **Table 4-3**. Groundwater samples were analyzed sitewide for SVOCs and metals (including Cr^{6+} [in 10% of samples] and mercury); additional analytical parameters were added for wells in the near vicinity of selected DUs based on the CSM and results of the PSE for each DU, as established in the Phase III SAP (AECOM-Tidewater JV 2017b). Groundwater samples from wells in the vicinity of DU15 were analyzed for PCBs; samples from wells in the vicinity of DU01, AST35/FPH, STB, and the Motor Pool were evaluated for VOCs. Filtered groundwater samples were collected at each location and analyzed for dissolved SVOCs, metals (including Cr^{6+} [in 10% of samples] and mercury), and PCBs (if applicable). Filtering was not appropriate for VOC samples. A subset of monitoring wells (approximately 20%) was selected for analysis of an expanded parameter list to assess the potential for MNA. These additional parameters included biochemical oxygen demand, total oxygen demand, TOC, chlorides, sulfates and sulfides, nitrates and nitrites, alkalinity, methane, ethane, and ethene. At wells where MNA parameters were collected, the concentration of Fe^{2+} in filtered and unfiltered groundwater samples was measured in the field (refer to Section 2.7 for additional details).

Monitoring wells at DU01 and piezometer PZ-3 were gauged for LNAPL thickness in June 2017. Consistent with the previous sampling event in December 2016, LNAPL was present only in monitoring well CH-MW017 and piezometer PZ-3. The measured LNAPL thicknesses in each well were 1.22 ft and 0.41 ft, respectively, compared to 1.98 ft and 8.81 ft in December 2016 (prior to bail-down tests. Well CH-MW017 recovered to 2.81 ft and piezometer PZ-3 recovered to only 0.18 ft of LNAPL thickness at the conclusions of the bail-down tests in December 2016. The groundwater elevations at DU01 were approximately 5 ft higher during LNAPL gauging in June 2017 than during the December 2016 event, which may explain why LNAPL thickness at CH-MW017 was 1.59 ft less than December 2016. Groundwater samples were not collected from these locations due to the presence of LNAPL.

The depth of the perched groundwater encountered across the site varied from approximately 5.10 ft bgs at lower topographic elevations to 28.70 ft bgs at higher topographic elevations. The perched water bearing zone was typically encountered in silty sand and sandy silt above confining clay and silt units in the subsurface. The clay and silt units appeared to dip from east to west across the site and are dissected by local surface water drainage. As discussed in the RI Work Plan (AECOM-Tidewater JV 2016a), the clay and silt unit interface below the perched water table may represent the primary potential contaminant migration zone.

In-situ hydraulic conductivity test data, via rising or falling head slug tests, was collected at permanent monitoring wells CH-MW016, CH-MW018, CH-MW019, CH-MW020, and CH-MW021 near DU01. Slug testing was not conducted at CH-MW017 because LNAPL was present in the well. Slug tests were

performed to assess the hydraulic conductivity of the perched water bearing soil surrounding the tested monitoring well. Results of the slug tests will be included in the RI report.

The physical data that was collected in the field, such as slug tests, will be evaluated during the preparation of the RI Report. Some data may be determined to not be representative of the general formation due to challenges in the development of monitoring wells and would not be used for decision making purposes. Additional development of some monitoring wells using a variety of surging techniques may be warranted if future field events are scheduled.

4.2 Surface Water and Sediment Investigation

The Phase III field investigation included collection of co-located surface water and sediment samples from 125 locations at a sitewide scale, from exposure areas in the vicinity of DUs that could be impacted from potential migration of constituents from the DUs. A minimum of 15 samples were collected within each stream exposure area, spanning the upstream, adjacent, and downstream portions of the channel relative to the nearest DU. Surface water and sediment sampling locations are presented on **Figure 4-2**. A summary of the Phase III field investigation surface water and sediment analytical samples is included in **Table 4-4**.

At the beginning of the Phase III field event, surface water and sediment sample locations were selected by the Field Quality Manager at stream locations with water present within the pre-selected stream exposure areas. Not including background samples (which are discussed above in Section 3.0), a total of 125 sediment samples, 118 unfiltered surface water samples, and 30 filtered surface water samples were collected sitewide. The team was unable to collect surface water samples from all 125 locations because 7 locations were dry at time of sampling.

Surface water and sediment samples were collected according to the procedures outlined in Section 2.10 of this Field Report. All surface water samples were analyzed for SVOCs, metals (including Cr^{6+} [in 10% of samples] and mercury), and hardness; samples in the stream exposure area downgradient of DU15 were also analyzed for PCBs, in accordance with the exposure area CSM established in the Phase III SAP (AECOM-Tidewater JV 2017b). Filtered surface water samples were collected for SVOCs, metals, and PCBs (where applicable) when the turbidity was greater than 10 NTU. Surface water quality parameters were measured and recorded for each location, including ORP, pH, SC, temperature, DO, and turbidity.

Sediment samples were collected from 0 to 0.5 ft bgs, targeting the fine grained material in depositional areas. A total of 125 sitewide sediment samples All sediment samples were analyzed for SVOCs, metals (including Cr^{6+} [in 10% of samples] and mercury), and TOC; samples in the stream exposure area downgradient of DU15 were also analyzed for PCBs, in accordance with the exposure area CSM established in the Phase III SAP (AECOM-Tidewater JV 2017b).

4.3 Soil Investigation

The Phase III field investigation included surface and subsurface soil sample collection within 17 DUs. Each DU was established as uniform 0.5 to 1 acre geometric exposure area encompassing impacted surface soil identified through prior investigations and the PSE. Within each DU boundary, surface soil samples were collected from 0 to 1 ft bgs from an unbiased grid of 16 samples. At DUs warranting additional subsurface soil sampling based on the PSE, subsurface soil samples were collected from 1 to 10 ft bgs (or 1 to 2 ft bgs in wetland boundaries or buffer zones) at the same locations as surface soil. The entire subsurface depth horizon was composited for laboratory analysis.

Soil samples were collected according to the procedures documented in Section 2.10. Direct Push borings were conducted for soil sample collection at locations where both surface and subsurface soil samples were collected. At locations where only surface soil samples were collected, a hand auger, disposable scoop, or shovel was used for sample collection. If inaccessible areas were encountered during the Phase III field effort, sampling locations were adjusted as necessary to ensure collection of the minimum required set of samples.

A total of 400 soil samples were collected, not including QC samples, with a total of 256 surface soil samples collected at 16 DUs and a total of 144 subsurface soil samples collected at 9 DUs. Surface soil samples were not collected at DU01 because an unbiased grid of surface soil samples was collected during the Phase II field event. Analytical parameters for surface and subsurface soil varied by DU based on the data needs established in the PSE and Phase III SAP (AECOM-Tidewater JV 2017b). Cr^{6+} was analyzed in 10% of samples analyzed for metals, along with pH and ORP, to assess what, if any, fraction of total chromium is present in the more toxic Cr^{6+} form.

The following subsections briefly summarize the DU-specific soil sampling activities completed during the Phase III field effort. Soil sampling locations are presented by DU in **Figure 4-3** through **Figure 4-20** and a summary of the Phase III soil analytical samples is presented in **Table 4-5**.

4.3.1 DU01

DU01 is a 1.0-acre DU encompassing the area of petroleum-related impacts at the former Building 203. It is bounded by a fence to the east and steep terrain to the north and west. Previous investigations indicate the residual presence of LNAPL in the subsurface of this area ranging from approximately 8 to 34 ft bgs. A fingerprint analysis conducted during the Phase II field effort identified the LNAPL as primarily composed of weathered Number 2 Diesel Fuel. An unbiased grid of surface soil samples was collected during the Phase II field investigation, which was sufficient for calculating exposure point concentrations (EPCs) during the risk assessment, and no further surface soil characterization was necessary during the Phase III field investigation. Although

characterization of subsurface soil at DU01 also occurred during the Phase II field investigation for data collection to support the FS, an unbiased grid of subsurface soil samples was also collected during the Phase III field investigation to be used for EPC calculation.

A total of 16 subsurface soil samples were collected from 1 to 10 ft bgs at DU01 for analysis of VOCs, SVOCs, and metals (including Cr^{6+} [in 10% of samples] and mercury). VOC samples were collected directly from the soil core, and then the entire subsurface depth horizon was composited before collection of SVOC and metal samples. Elevated PID readings (sustained > 5 parts per million [ppm]) were observed in soil cores at locations DU01-S001 (maximum 735.4 ppm), DU01-S005 (maximum 120.1 ppm), DU01-S006 (355 ppm), DU01-S007 (maximum 82.5 ppm), DU01-S011 (maximum 368 ppm), and DU01-S015 (maximum 1054 ppm). The Phase III DU01 soil sampling locations are presented in **Figure 4-3**.

Additionally, Shelby tube samples were collected at locations DU01-S009 (15 to 17 ft bgs) and DU01-S015 (25 to 27 ft bgs) and submitted to GeoTesting Express, Inc. (Acton, MA) for laboratory analysis of soil permeability. The samples were collected from the clay soil unit underlying the perched groundwater at DU01. One sample was taken from the upper portion of the clay unit and one sample was taken from a lower portion of the clay unit. The geotechnical laboratory reports on permeability analysis are provided in **Appendix F**. The test result of the 15 to 17 foot bgs soil sample (DU01-S005-15-17) identified permeability of the clay sample to be 3.9×10^{-8}. The test result of the 25 to 27 foot bgs soil sample (DU01-S005-25-27) identified permeability of the clay sample to be 2.0×10^{-7}. The orders of magnitude (10^{-7} to 10^{-8}) of the results indicate a clay type grain size with a very low hydraulic conductivity. Geotechnical parameter results do not require data validation and are therefore not included in the data validation reports of this Field Report.

The Phase III SAP indicated that three Shelby tube samples would be collected (two from the silty-sand, perched water bearing soil zone and one from a clay unit); however, only two samples were collected because attempts to collect soil samples of more course-grained subsurface soil in the perched water bearing zone above the clay were unsuccessful. Additionally, the geotechnical laboratory was not able to perform pneumatic (air) permeability analysis by method ASTM D6539 on the soil samples, as planned, because the clay soils contained a high degree of water saturation (91 to 99 percent). ASTM D6539 requires the soil samples be coarse grained soils, silts, or lean cohesive soils that have a low degree of saturation to analyze air permeability.

4.3.2 DU02

DU02 is a 0.5-acre DU established to assess potential impacts from potential drum contents (H-2). The DU02 boundary encompasses the existing drum remnant and is bounded by a fence on the east. An adjacent DU (DU01) will be used to assess the area east of the fence. Based on the results

of the PSE, DU02 warranted further assessment for metals in surface soil. Further assessment of subsurface soil was not warranted based on the PSE.

Wetland conditions were observed within the state-mapped wetland boundary (Class 2) throughout the entire DU during wetland delineation. "Site standard" wetland avoidance and minimization BMPs were implemented during soil sampling activities (refer to Section 2.3) and all samples were collected via hand auger or shovel.

A total of 16 surface soil samples were collected from 0 to 1 ft bgs for analysis of metals (including Cr^{6+} [in 10% of samples] and mercury). An elevated PID reading (sustained > 5 ppm) was observed in the soil sample from location DU02-S004 (11.7 ppm). The Phase III DU02 soil sampling locations are presented in **Figure 4-4**.

4.3.3 DU03

DU03 is a 0.5-acre DU that was established to assess potential impacts from potential drum contents (H-1). The DU03 boundary encompasses the existing drum remnant. Based on the results of the PSE, DU03 warranted further assessment for metals in surface soil and SVOCs in surface and subsurface soil.

Wetland conditions were observed (not state-mapped) throughout the entire DU during wetland delineation. Wetland avoidance and minimization BMPs included collection of all surface and subsurface soil samples with a hand auger instead of a Direct Push drill rig, consistent with the protocols established in the SAP (AECOM-Tidewater JV 2017b).

A total of 16 surface soil samples were collected from 0 to 1 ft bgs for analysis of SVOCs and metals (including Cr^{6+} [in 10% of samples] and mercury). A total of 16 subsurface soil samples were collected from 1 to 2 ft bgs for analysis of SVOCs only. The entire subsurface depth horizon was composited before collection samples. Elevated PID readings (sustained > 5 ppm) were observed in soil samples from locations DU03-S004 (maximum 13.3 ppm) and DU03-S003 (maximum 7.1 ppm). The Phase III DU03 soil sampling locations are presented in **Figure 4-5**.

4.3.4 DU04

DU04 is a 0.5-acre DU established to assess potential impacts from potential drum contents (H-18). The DU04 boundary encompasses the existing drum remnant and the operational and recreational area along the gravel access road north of Battery 112. Based on the PSE, metals in surface soil warranted further assessment at DU04. Further assessment of subsurface soil was not warranted based on the PSE.

The DU is bounded by steep terrain on the east and west boundaries. No wetland conditions were observed at DU04 during wetland delineation.

A total of 16 surface soil samples were collected from 0 to 1 ft bgs via hand auger for analysis of metals (including Cr^{6+} [in 10% of samples] and mercury). The Phase III DU04 soil sampling locations are presented in **Figure 4-6**.

4.3.5 DU05

DU05 is a 0.5-acre DU established to assess potential impacts and exposures in the vicinity of the cesspools associated with the former site-wide waste disposal system (WDS). It is bounded by Camp Hero State Park Road to the west. Based on the results of the PSE, DU05 warranted further assessment for metals in surface and subsurface soil.

The majority of the DU contains portions of steep terrain; sample locations were offset to areas inaccessible to the drill rig. Additionally, wetland conditions were observed (not state-mapped) in the eastern 40% (approximately) of the DU during wetland delineation. Wetland avoidance and minimization BMPs included collection of surface and subsurface soil samples within wetland boundaries with a hand auger instead of a Direct Push drill rig, consistent with the protocols established in the SAP (AECOM-Tidewater JV 2017b).

A total of 16 surface soil samples were collected from 0 to 1 ft bgs for analysis of metals (including Cr^{6+} [in 10% of samples] and mercury). A total of 16 subsurface soil samples were collected for analysis of metals (including Cr^{6+} [in 10% of samples] and mercury): 4 samples (DU05-S003, DU05-S007, DU05-S011, and DU05-S015) were collected from 1 to 2 ft bgs via hand auger due to the presence of wetlands; 1 sample (DU05-S009) was collected from 1 to 5 ft bgs via Direct Push because the drill rig encountered void space from 5 to 10 ft bgs; and the remaining 11 samples were collected from 1 to 10 ft bgs via Direct Push. The entire subsurface depth horizon was composited before collection samples. The Phase III DU05 soil sampling locations are presented in **Figure 4-7**.

4.3.6 DU06

DU06 is a 0.5-acre DU established to assess potential impacts from the Former Power Plant (H-11), former Sewage Ejector Station (H-12), and tile field associated with the WDS. The DU boundary encompasses these former operational areas. Residual weathered fragments of coal are encountered in the shallow subsurface and on the ground surface along the embankments of the drainage areas in the southern portion of the DU. Based on the results of the PSE, DU06 warranted further assessment of metals and SVOCs in surface and subsurface soil.

Wetland conditions (not state-mapped) were observed along the southern border of the DU during wetland delineation; wetland avoidance and minimization BMPs included relocating Direct Push borings outside the observed wetland limits.

A total of 16 surface soil samples were collected from 0 to 1 ft bgs for analysis of SVOCs and metals (including Cr^{6+} [in 10% of samples] and mercury). A total of 16 subsurface soil samples were collected from 1 to 10 ft bgs for analysis of SVOCs and metals (including Cr^{6+} [in 10% of samples] and mercury). The entire subsurface depth horizon was composited before collection samples. The Phase III DU06 soil sampling locations are presented in **Figure 4-8**.

4.3.7 DU07

DU07 is a 1.0-acre DU established to assess potential impacts from a former AST (H-19), drum location (H-20), and former boiler (H-9). The DU boundary encompasses these former items to assess potential impacts and exposures. Based on the results of the PSE, DU07 warranted further assessment of SVOCs and metals in surface and subsurface soil.

Wetland conditions were observed at DU07 within the state-mapped wetland boundary (Class 1) and additional areas outside state-mapped boundary during wetland delineation. Wetlands covered approximately 75% of the original DU boundary. Avoidance and minimization BMPs included:

- establishing a 100 ft buffer zone around Class 1 state-mapped wetlands, in accordance with article 24 of the NY Freshwater Wetlands Act (refer to Section 2.3 for additional information);
- shifting the DU07 boundary (and sampling grid) slightly west to avoid wetlands and the buffer zone to the extent possible, while still encompassing the potential exposure concerns;
- collecting surface and subsurface soil samples remaining within the wetland boundaries with a hand auger instead of the Direct Push rig; and
- relocating monitoring wells in the vicinity of DU07 outside of the 100 ft buffer zone or within a park maintained lawn (refer to Section 4.1).

A total of 16 surface soil samples were collected from 0 to 1 ft bgs for analysis of SVOCs and metals (including Cr6+ [in 10% of samples] and mercury). A total of 16 subsurface soil samples were collected for analysis of SVOCs and metals (including Cr6+ [in 10% of samples] and mercury): 8 samples (DU07-S002, DU07-S005, DU07-S006, DU07-S007, DU07-S009, DU07-S010, DU07-S014, and DU07-S015) were collected from 1 to 2 ft bgs via hand auger due to the presence of wetlands, and the remaining 8 samples were collected from 1 to 10 ft bgs via Direct Push. The entire subsurface depth horizon was composited before collection samples. The Phase III DU07 soil sampling locations are presented in **Figure 4-9**.

4.3.8 DU08

DU08 is a 0.5-acre DU established to assess potential impacts in the vicinity of the chlorine contact chamber and north of the chamber along the WDS pipeline. The DU boundary encompasses the chlorine contact chamber and wetland area to the north. Based on the results of the PSE, DU08 warranted further assessment of metals in surface soil and SVOCs in surface and subsurface soil.

Wetland conditions were observed within the state-mapped wetland boundary (Class 1); additional wetland pond conditions were observed throughout the entire DU (with the exception of the roadway running through the DU). Because the DU was inundated with water, no soil samples could be collected; instead, surface water and sediment (0 to 0.5 ft bgs) samples were collected throughout the DU to represent the appropriate exposure conditions. Additionally, monitoring wells in the vicinity of DU08 were relocated along the existing maintained roadway and shoulder to mitigate impacts to wetlands (refer to Section 4.1). The Phase III surface water and sediment sample locations are shown on the Site-Wide Surface Water and Sediment Sampling Locations map presented in **Figure 4-2**.

4.3.9 DU09

DU09 is a 0.5-acre DU established to assess potential impacts from a former coal storage area (H-15). The DU boundary is centered on the former coal storage area. Based on the results of the PSE, DU09 warranted further assessment of metals in surface soil. Further assessment of subsurface soil was not warranted.

No wetland conditions were observed at DU09 during wetland delineation. A total of 16 surface soil samples were collected from 0 to 1 ft bgs via hand auger for analysis of metals (including Cr^{6+} [in 10% of samples] and mercury). The Phase III DU09 soil sampling locations are presented in **Figure 4-10**.

4.3.10 DU10

DU10 is a 0.5-acre DU established to assess potential impacts from a former drum and construction debris area (H-5). The DU boundary is centered on the former drum and debris area and is located within the Motor Pool fenced area. Based on the results of the PSE, DU10 warranted further assessment of metals in surface soil. Further assessment of subsurface soil was not warranted.

No wetland conditions were observed at DU10 during wetland delineation. A total of 16 surface soil samples were collected from 0 to 1 ft bgs via hand auger for analysis of metals (including Cr^{6+} [in 10% of samples] and mercury). The Phase III DU10 soil sampling locations are presented in **Figure 4-11**.

4.3.11 DU11

DU11 is a 1.0-acre DU established to assess potential impacts from former Building 34, the former Sewage Treatment Area (H-16), and the drain and cesspool east of the Motor Pool associated with

the sitewide WDS. The DU boundary encompasses these former operational areas and is bounded by Coast Artillery Road to the north and the Motor Pool fence to the west. Based on the results of the PSE, DU11 warranted further assessment of SVOCs and metals in surface soil. Further assessment of subsurface soil was not warranted based on the PSE.

Wetland conditions (not state-mapped) were observed within approximately 10% of the DU during wetland delineation. "Site standard" wetland avoidance and minimization BMPs were implemented during soil sampling activities (refer to Section 2.3) and all samples were collected via hand auger or shovel.

A total of 16 surface soil samples were collected from 0 to 1 ft bgs via hand auger for analysis of SVOCs and metals (including Cr^{6+} [in 10% of samples] and mercury). An elevated PID reading (sustained > 5 ppm) was observed in the soil sample from location DU11-S015 (6.9 ppm). The Phase III DU11 soil sampling locations are presented in **Figure 4-12**.

4.3.12 DU12

DU12 is a 0.5-acre DU established to assess potential impacts from a WDS manhole associated with the sitewide WDS. The DU boundary encompasses these portions of the WDS and both sides of Coast Artillery Road. Based on the results of the PSE, DU12 warranted further assessment of SVOCs in surface and subsurface soil.

No wetland conditions were observed at DU12 during wetland delineation. Sample locations in the vicinity of the roadway were offset to avoid the roadway and overhead power lines.

A total of 16 surface soil samples were collected from 0 to 1 ft bgs for analysis of SVOCs. A total of 16 subsurface soil samples were collected from 1 to 10 ft bgs for analysis of SVOCs. The entire subsurface depth horizon was composited before collection samples. The Phase III DU12 soil sampling locations are presented in **Figure 4-13**.

4.3.13 DU13

DU13 is a 0.5-acre DU established to assess potential impacts from a former coal storage area (H-14). The DU is bound by Coast Artillery Road to the north and a creek to the east. Based on the results of the PSE, DU13 warranted further assessment of metals in surface soil. Further assessment of subsurface soil was not warranted based on the PSE.

No wetland conditions were observed at DU13 during wetland delineation. A total of 16 surface soil samples were collected from 0 to 1 ft bgs via hand auger for analysis of metals (including Cr^{6+} [in 10% of samples] and mercury). Elevated PID readings (sustained > 5 ppm) were observed in soil samples

at locations DU13-S011 (11.3 ppm) and DU13-S012 (29.8 ppm). The Phase III DU13 soil sampling locations are presented in **Figure 4-14**.

4.3.14 DU14

DU14 is a 0.5-acre DU established to assess potential impacts from a suspected septic tank associated with the sitewide WDS. The DU is bound by Coast Artillery Road to the south and a creek to the east. Based on the results of the PSE, DU14 warranted further assessment of SVOCs in surface and subsurface soil.

No wetland conditions were observed at DU14 during wetland delineation. A total of 16 surface soil samples were collected from 0 to 1 ft bgs for analysis of SVOCs. A total of 16 subsurface soil samples were collected from 1 to 10 ft bgs for analysis of SVOCs. The entire subsurface depth horizon was composited before collection samples. The Phase III DU14 soil sampling locations are presented in **Figure 4-15**.

4.3.15 DU15

DU15 is a 0.5-acre DU established to assess potential impacts from a construction debris area (H-6). The DU boundary encompasses the debris area and is bound by a steep embankment to the north and a revetted creek to the south. Based on the results of the PSE, DU15 warranted further assessment of metals in surface soil and PCBs in surface and subsurface soil.

Wetland conditions were observed within the state-mapped wetland boundary (Class 1) and observed throughout the majority of the DU during wetland delineation. Avoidance and minimization BMPs included establishing a 100 ft buffer zone around Class 1 state-mapped wetlands, in accordance with article 24 of the NY Freshwater Wetlands Act (refer to Section 2.3 for additional information) and collecting all surface and subsurface soil samples with a hand auger instead of the Direct Push rig. Additionally, monitoring wells in the vicinity of DU15 were relocated outside of the 100 ft buffer zone (refer to Section 4.1).

A total of 16 surface soil samples (0 to 1 ft bgs) were collected for analysis of PCBs and metals (including Cr^{6+} [in 10% of samples] and mercury). A total of 16 subsurface soil samples (1 to 2 ft bgs) were collected for analysis of PCBs only. The entire subsurface depth horizon was composited before collection samples. The Phase III DU15 soil sampling locations are presented in **Figure 4-16**.

4.3.16 DU16

DU16 is a 0.5-acre DU established to assess potential impacts from a manhole associated with the sitewide WDS. The DU boundary encompasses the WDS manhole and is bound by roads to the west (Camp Hero State Park Road) and south (Coast Artillery Road). Based on the results of the PSE, DU16 warranted further assessment of SVOCs in surface and subsurface soil.

Wetland conditions (not state-mapped) were observed within approximately 20% of the DU during wetland delineation. Avoidance and minimization BMPs included relocating sample borings outside the wetland limits.

A total of 16 surface soil samples (0 to 1 ft bgs) and 16 subsurface soil samples (1 to 10 ft bgs) were collected for analysis of SVOCs. The entire subsurface depth horizon was composited before collection samples. The Phase III DU16 soil sampling locations are presented in **Figure 4-17**.

4.3.17 DU17

DU17 is a 0.5-acre DU established to assess potential impacts from a construction debris area (H-4). This DU is bounded on the south by an existing fenced concrete foundation used as a waste storage area by the NYS Parks. Based on the results of the PSE, DU17 warranted further assessment for metals in surface soil. Further assessment of subsurface soil was not warranted based on the PSE.

Wetland conditions (not state-mapped) were observed within approximately 30% of the DU during wetland delineation. "Site standard" wetland avoidance and minimization BMPs were implemented during soil sampling activities (refer to Section 2.3) and all samples were collected via hand auger or shovel. Additionally, a well within the DU17 boundary was relocated outside of wetland limits (refer to Section 4.1).

A total of 16 surface soil samples were collected from 0 to 1 ft bgs for analysis of metals (including Cr^{6+} [in 10% of samples] and mercury). The Phase III DU17 soil sampling locations are presented in **Figure 4-18**.

4.3.18 DU18

DU18 is a 0.5-acre DU established to assess potential impacts from potential drum contents (H-3). The DU18 boundary is centered on the existing drum remnant in the woods north of Coast Artillery Road. Based on the results of the PSE, DU18 warranted further assessment for metals in surface soil. Further assessment of subsurface soil was not warranted based on the PSE.

Although state-mapped wetlands are shown at this DU, no wetland conditions were observed during wetland delineation. A total of 16 surface soil samples were collected from 0 to 1 ft bgs via hand auger for analysis of metals (including Cr^{6+} [in 10% of samples] and mercury). The Phase III DU18 soil sampling locations are presented in **Figure 4-19**.

5.0 FIELD DECISIONS AND DEVIATIONS FROM THE SAMPLING AND ANALYSIS PLAN

The Phase III field investigation was generally completed to the scope that was provided in the Phase III SAP (AECOM-Tidewater JV 2017b). However, some deviations to the SAP, field decisions, and avoidance and minimization BMPs occurred during the field effort following discussions between the USACE and AECOM team. The list of field decisions below are not deviations from the Phase III SAP because they were within the contingencies established in the SAP but nonetheless warrant explanation.

Deviations from the Phase III SAP included the following:

- The Phase III SAP indicated that three Shelby tube samples would be collected at DU01 (two from the silty-sand, perched water bearing soil zone and one from a clay unit); however, only two samples were collected because attempts to collect soil samples of more course-grained subsurface soil in the perched water bearing zone above the clay were unsuccessful. Additionally, the geotechnical laboratory was not able to perform pneumatic (air) permeability analysis by method ASTM D6539 on the soil samples, as planned, because the clay soils contained a high degree of water saturation (91 to 99 percent). ASTM D6539 requires the soil samples be coarse grained soils, silts, or lean cohesive soils that have a low degree of saturation to analyze air permeability.

- Surface water samples could not be collected from 7 of the 125 sitewide surface water locations because those locations were dry at the time of sampling. All 30 background surface water samples were collected.

- Field-filtered surface water samples were collected from 30 locations during the Phase III field event (inclusive of the sitewide background locations). Field-filtered surface water samples were collected when the turbidity of the surface water was generally greater than 10 NTUs. Although the Phase III SAP established that filtered samples would only be collected for organic parameter groups (SVOCs, PAHs, PCBs) in surface water if the turbidity was elevated (>10 NTU), filtered surface water samples were to be collected for dissolved metals analysis regardless of the turbidity. Due to a misinterpretation of the SAP, filtered surface water samples (in addition to unfiltered samples) were generally only collected when the turbidity was elevated (>10 NTU). Unfiltered metals in surface water were collected as planned at all locations.

  – In some cases, field-filtered samples were collected when the turbidity was not elevated. These exceptions included some locations where the field team thought the field turbidity meter was not working properly. Multiple recalibration attempts were made but error messages were consistently encountered. A replacement probe was ordered from the

equipment company for overnight delivery and filtered samples were collected in the meantime to err on the side of caution. Additionally, at locations CH-SWSD150 through CH-SWSD155, samples were collected by wading into the pond and were filtered due to do the potential for stirring up sediment in the pond during collection. Due to these exceptions, field-filtered surface water locations were collected at eight locations where the NTUs were less than 10.

- This potential data gap was identified during initial Phase III data review, as filtered surface water data for dissolved metals could be beneficial in the evaluation of impacts to aquatic life in the ecological risk assessment (ERA). Dissolved metals more closely approximate the bioavailable fraction of metals in the water column than do total recoverable metals, and regulatory-based freshwater screening criteria for metals are often expressed in terms of the dissolved metals in the water column. Evaluating only total recoverable metals in the water column may result in an overestimate of risks to aquatic life.

- After identifying the data gap, a solution was identified that would obtain the filtered surface water dataset for metals, except for mercury and hexavalent chromium. Mercury and hexavalent chromium were not evaluated because the samples were approximately 100 days past their respective hold times. It was determined that the laboratory had additional sample volume (unpreserved) on hold for all 148 surface water locations (197 samples, including samples from all 148 surface water locations, 30 previously analyzed field-filtered locations, and 19 field duplicate locations). The 197 surface water samples (dissolved and total) were kept in cold storage in amber bottles since the Phase III field event. The laboratory was instructed to filter the 197 surface water samples through a 0.45 micrometer (µm) filter, acidify, and analyze dissolved metals (6020A) on an expedited turn-around-time. All 197 samples were analyzed for the Phase III SAP metals list, minus mercury and hexavalent chromium. The field-filtered and lab-filtered results will be used to assess the comparability of results during data evaluation in the RI Report. Surface water samples were out of hold for both filtration and total metals analysis and biological activity can occur under cool conditions in an amber bottle. Therefore, the lab-filtered surface water data will only be considered qualitatively in the ERA.

- As described in Section 2.14 above, the lab-filtered metals data was flagged "J" and "UJ" for detected and non-detected results, respectively, indicating that these lab-filtered results are estimated values. If the field-filtered and total results were non-detected and the lab-filtered results were detected, those results were rejected ("R" flag). This flagging

scheme was discussed with the USACE Chemist and was based on a comparison assessment between the lab-filtered, the field-filtered, and total metals results. The validated surface water data will be included in the surface water data set for the ERA; however, based on the USACE Chemist's recommendation, the lab-filtered data will only be considered qualitatively. Any potential data gaps related to this approach will be discussed in the uncertainty section of the ERA.

Additional field decisions made within the contingencies established in the SAP, including avoidance and minimization BMPs, included the following:

- Due to rig access issues and the presence of wetlands, two monitoring wells (CH-MW024 and CH-MW040) were installed using Direct Push methods and pre-packed screens, rather than with sonic drilling methods. Refer to Section 2.7 for additional information.
- To mitigate impacts to wetland areas and 100 ft buffer zones of state-mapped wetlands:
  - Monitoring wells located within wetland or buffer zone boundaries were relocated outside of the established boundaries. Monitoring well CH-MW038 was relocated from the originally-planned location to the southwest to avoid wetlands and the 100 ft buffer zone, and placed in park-maintained lawn to the west of DU07. Monitoring well CH-MW039 was relocated from the vicinity of DU07 to the vicinity of DU15 because moving the well outside buffer zone at DU07 would have put it in an area with already sufficient groundwater coverage, close to previously-installed wells CH-MW006 and CH-MW005.
  - Direct Push soil sample locations falling within wetland or buffer zone boundaries were either relocated outside of the established boundaries or collected via hand-auger to a shallower depth (refer to **Table 4-5** for a summary of samples and associated depths). All subsurface soil samples at DU03 and DU15 were collected from the 1 to 2 ft bgs interval; a portion of subsurface soil samples at DU05 and DU07 were collected from the 1 to 2 ft bgs interval.
  - The DU sampling grid for DU07 was shifted to the west to allow for more sample locations to be accessed by a drill rig, while avoiding the 100 ft buffer zone and still encompassing a representative exposure area covering the targeted former areas of concern.
- Recharge in one well (CH-MW021) was insufficient to complete sampling via low-flow methodology. Instead, a grab groundwater sample was collected at this location for the analyses outlined in Section 4.0. One set of water quality parameters were collected at the end of sampling.

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Appendix A

Figures

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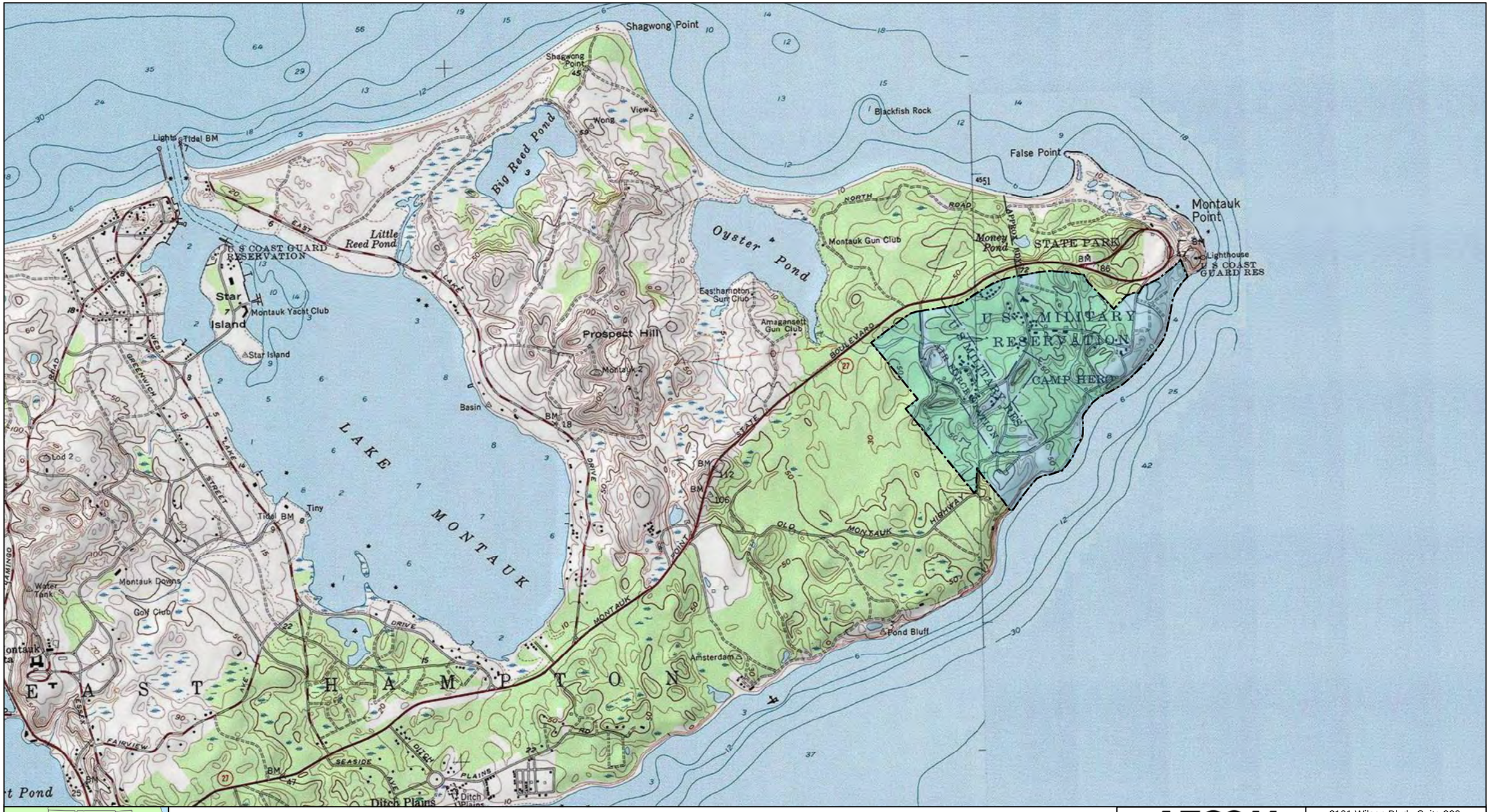

NAD 1983 StatePlane Long Island FIPS 3104

Basemap Copyright:© 2013 National Geographic Society, i-cubed

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0 1,000 2,000 Feet

1 inch = 2,000 feet

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General Location Map

Camp Hero Remedial Investigation
Montauk, New York

PROJECT NO.	PREPARED BY:	DATE:	
60443903	JB	August 2017	**Figure 1-1**

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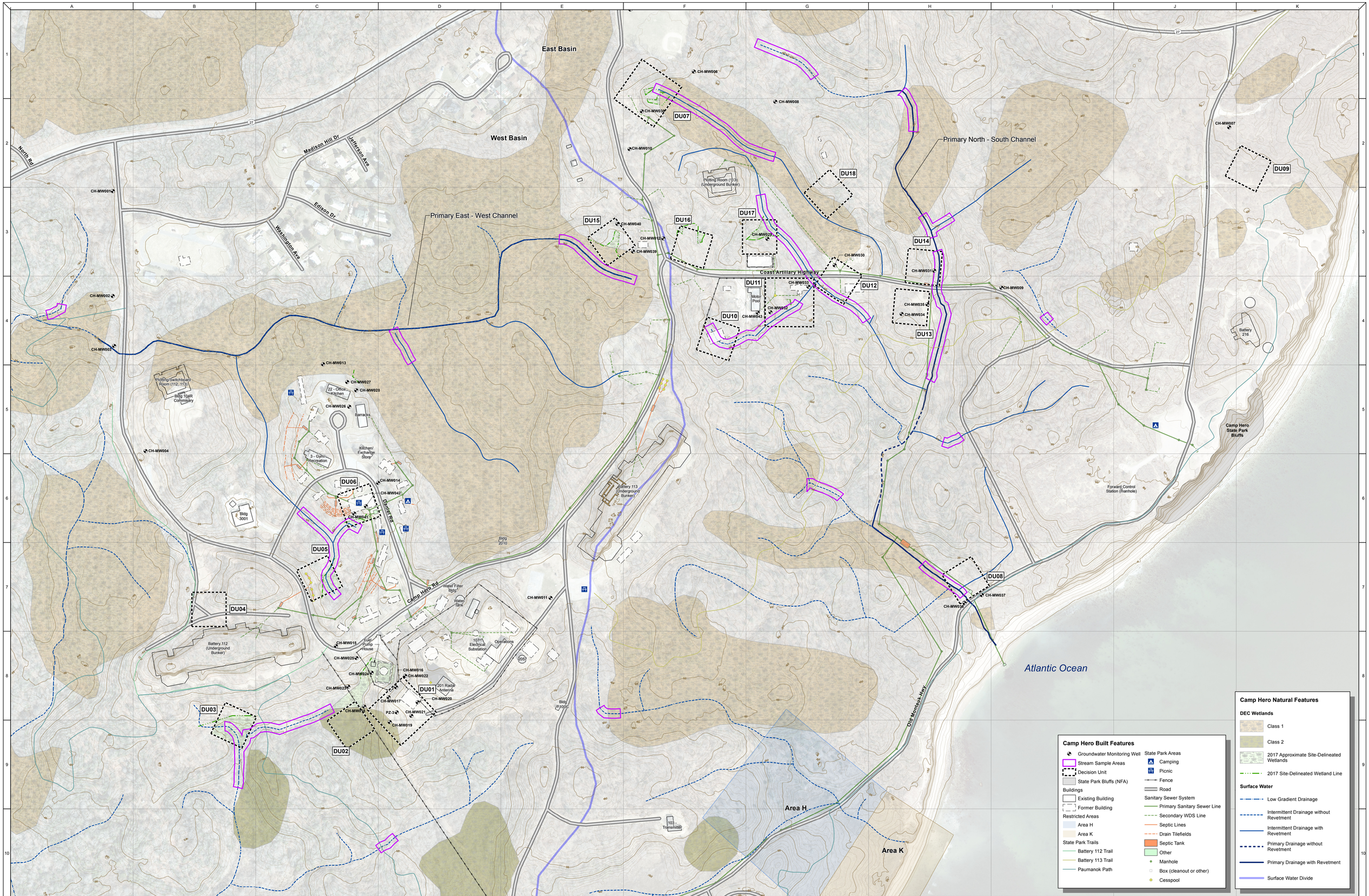

Camp Hero Built Features

- Groundwater Monitoring Well
- Stream Sample Areas
- Decision Unit
- State Park Bluffs (NFA)

Buildings
- Existing Building
- Former Building

Restricted Areas
- Area H
- Area K

State Park Trails
- Battery 112 Trail
- Battery 113 Trail
- Paumanok Path

State Park Areas
- Camping
- Picnic
- Fence
- Road

Sanitary Sewer System
- Primary Sanitary Sewer Line
- Secondary WDS Line
- Septic Lines
- Drain Tilefields
- Septic Tank
- Other
- Manhole
- Box (cleanout or other)
- Cesspool

Camp Hero Natural Features

DEC Wetlands
- Class 1
- Class 2
- 2017 Approximate Site-Delineated Wetlands
- 2017 Site-Delineated Wetland Line

Surface Water
- Low Gradient Drainage
- Intermittent Drainage without Revetment
- Intermittent Drainage with Revetment
- Primary Drainage without Revetment
- Primary Drainage with Revetment
- Surface Water Divide

MAP LOCATION

Surface water features obtained from National Hydrography Dataset (NHD) Dates of publication vary.

Coordinate System: NAD 1983 StatePlane New York Long Island FIPS 3104 Feet
Projection: Lambert Conformal Conic
Datum: North American 1983

0 75 150 300 Feet

1 inch = 150 feet

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Site Map with Decision Units, and Well Locations

Camp Hero Remedial Investigation
Montauk, New York

PROJECT NO.	PREPARED BY	DATE	Figure 1-2
60443903	JB	September 2017	

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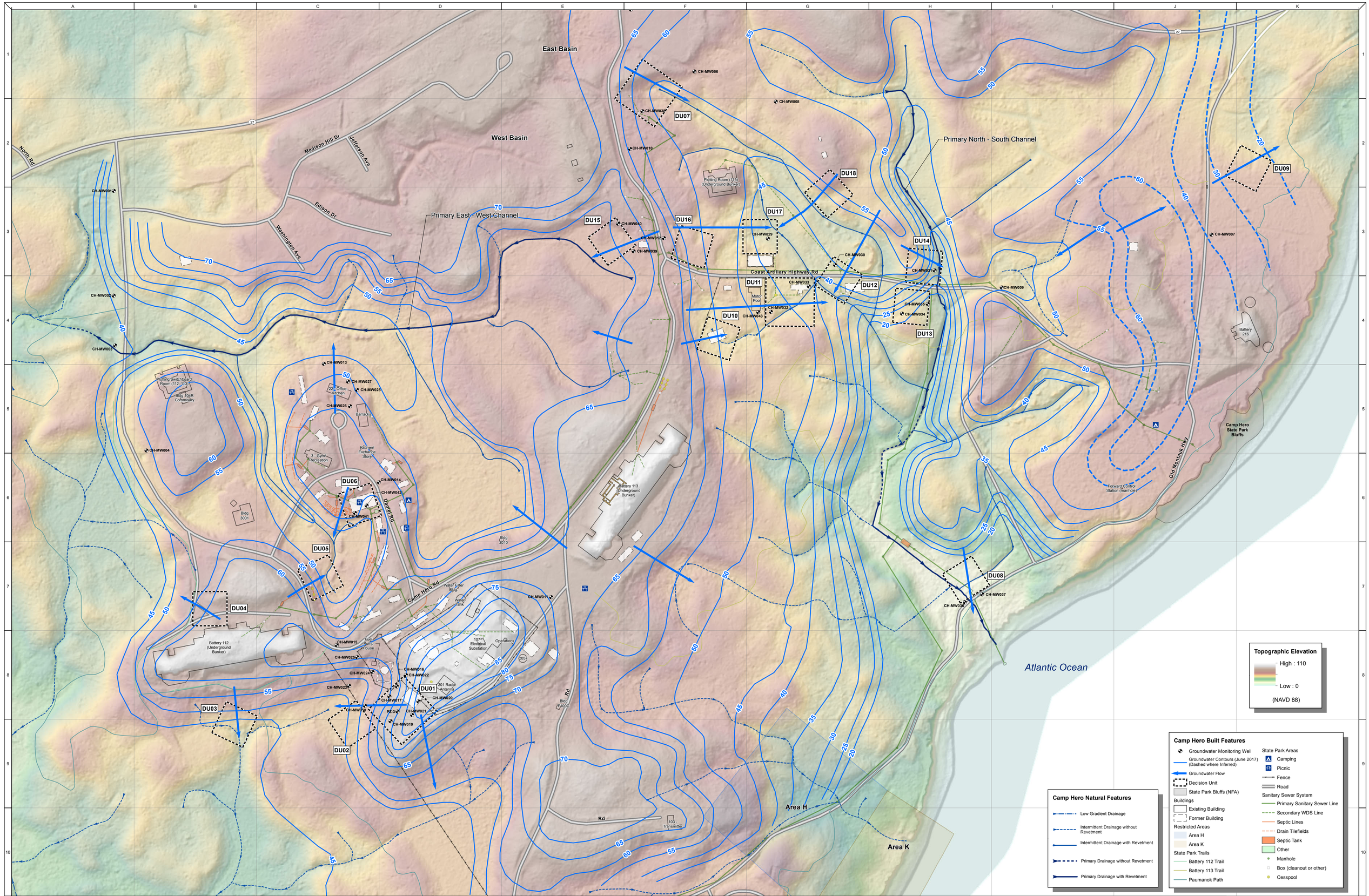

Surface water features obtained from National Hydrography Dataset (NHD) Dates of publication vary.

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Projection: Lambert Conformal Conic
Datum: North American 1983

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Site-Wide Groundwater Monitoring Well Network

Camp Hero Remedial Investigation
Montauk, New York

PROJECT NO	PREPARED BY	DATE	Figure 4-1
60443903	JB	November 2017	

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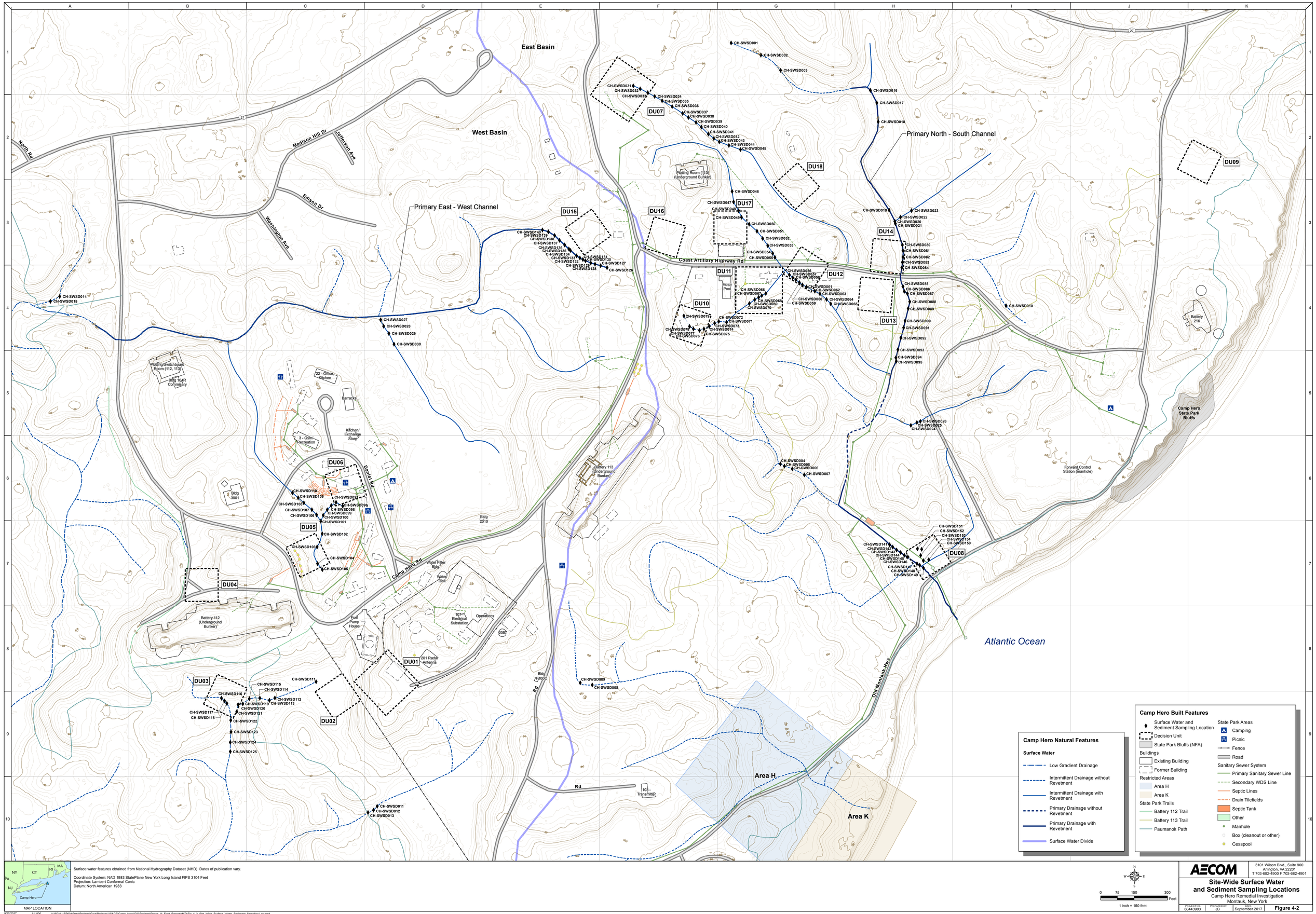

Camp Hero Natural Features

Surface Water

- Low Gradient Drainage
- Intermittent Drainage without Revetment
- Intermittent Drainage with Revetment
- Primary Drainage without Revetment
- Primary Drainage with Revetment
- Surface Water Divide

Camp Hero Built Features

- Surface Water and Sediment Sampling Location
- Decision Unit
- State Park Bluffs (NFA)

Buildings
- Existing Building
- Former Building

Restricted Areas
- Area H
- Area K

State Park Trails
- Battery 112 Trail
- Battery 113 Trail
- Paumanok Path

State Park Areas
- Camping
- Picnic
- Fence
- Road

Sanitary Sewer System
- Primary Sanitary Sewer Line
- Secondary WDS Line
- Septic Lines
- Drain Tilefields
- Septic Tank
- Other
- Manhole
- Box (cleanout or other)
- Cesspool

MAP LOCATION

Surface water features obtained from National Hydrography Dataset (NHD) Dates of publication vary.

Coordinate System: NAD 1983 StatePlane New York Long Island FIPS 3104 Feet
Projection: Lambert Conformal Conic
Datum: North American 1983

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1 inch = 150 feet

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Site-Wide Surface Water and Sediment Sampling Locations

Camp Hero Remedial Investigation
Montauk, New York

PROJECT NO.	PREPARED BY	DATE	Figure 4-2
60443903	JB	September 2017	

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CH-MW024
CH-MW022
CH-MW023
CH-MW016
CH-MW017
CH-MW018
CH-MW020
CH-MW021
CH-MW019
Former AST-35
Existing Containment Structures
Former Building 203 Foundation
201 Radar Antenna
Abandoned Manhole Electrical Conduit to FPH
Bldg 203
Existing Gate
DU01-SO04
DU01-SO03
DU01-SO08
DU01-SO02
DU01-SO07
DU01-SO12
DU01-SO01
DU01-SO06
DU01-SO11
DU01-SO16
DU01-SO10
DU01-SO15
DU01-SO05
DU01-SO09
DU01-SO14
DU01-SO13
PZ-3
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203-SB19
203-SB17
203-SB18
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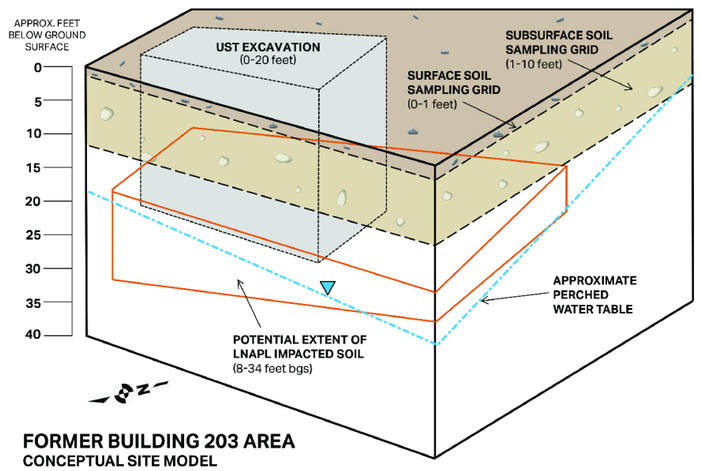
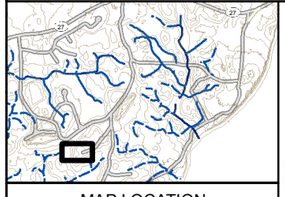


FORMER BUILDING 203 AREA
CONCEPTUAL SITE MODEL
(APPROXIMATE SCALE)

Camp Hero Natural Features

DEC Wetlands
- Class 2
- 2017 Approximate Site-Delineated Wetlands

Surface Water
- Intermittent Drainage without Revetment
- 2017 Site-Delineated Wetland Line



MAP LOCATION

Camp Hero Built Features
- Phase II Surface Soil Sample Location
- Phase III Subsurface Soil Sample Location (1-10 Feet)
- Groundwater Monitoring Well
- Decision Unit

Storage Tanks
- AST (closed)
- Former UST (closed)
- Fence
- Cesspool

Topographic Contours
- 10 ft
- 2 ft

- Former Radiators
- UST Excavation
- Former UST Footprint

N W E S
0 20 40 Feet
1 inch = 40 feet

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Phase III RI Sampling Locations
DU01, Building 203 Area
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Montauk, New York

PROJECT NO.	PREPARED BY:	DATE:	
60443903	JB	August 2017	**Figure 4-3**

8/9/2017 \\USCHL1FP001\Data\Projects\Govt\Projects\USACE\Camp_Hero\GIS\Projects\Phase_III_Field_Report\MXD\Fig_4_3_DU01_Building_203_Area.mxd

MAP LOCATION

Camp Hero Built Features

- Phase III Surface Soil Sample Location
- Surface Water and Sediment Sampling Location
- Groundwater Monitoring Well
- Decision Unit

Storage Tanks

- AST (closed)
- UST (closed)
- Fence

Topographic Contours

- 10 ft
- 2 ft

Camp Hero Natural Features

DEC Wetlands

- Class 2
- 2017 Approximate Site-Delineated Wetlands

Surface Water

- Intermittent Drainage without Revetment

N W E S

0 15 30 Feet

1 inch = 30 feet

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Phase III RI Sampling Locations
DU02, H2 Drum Area
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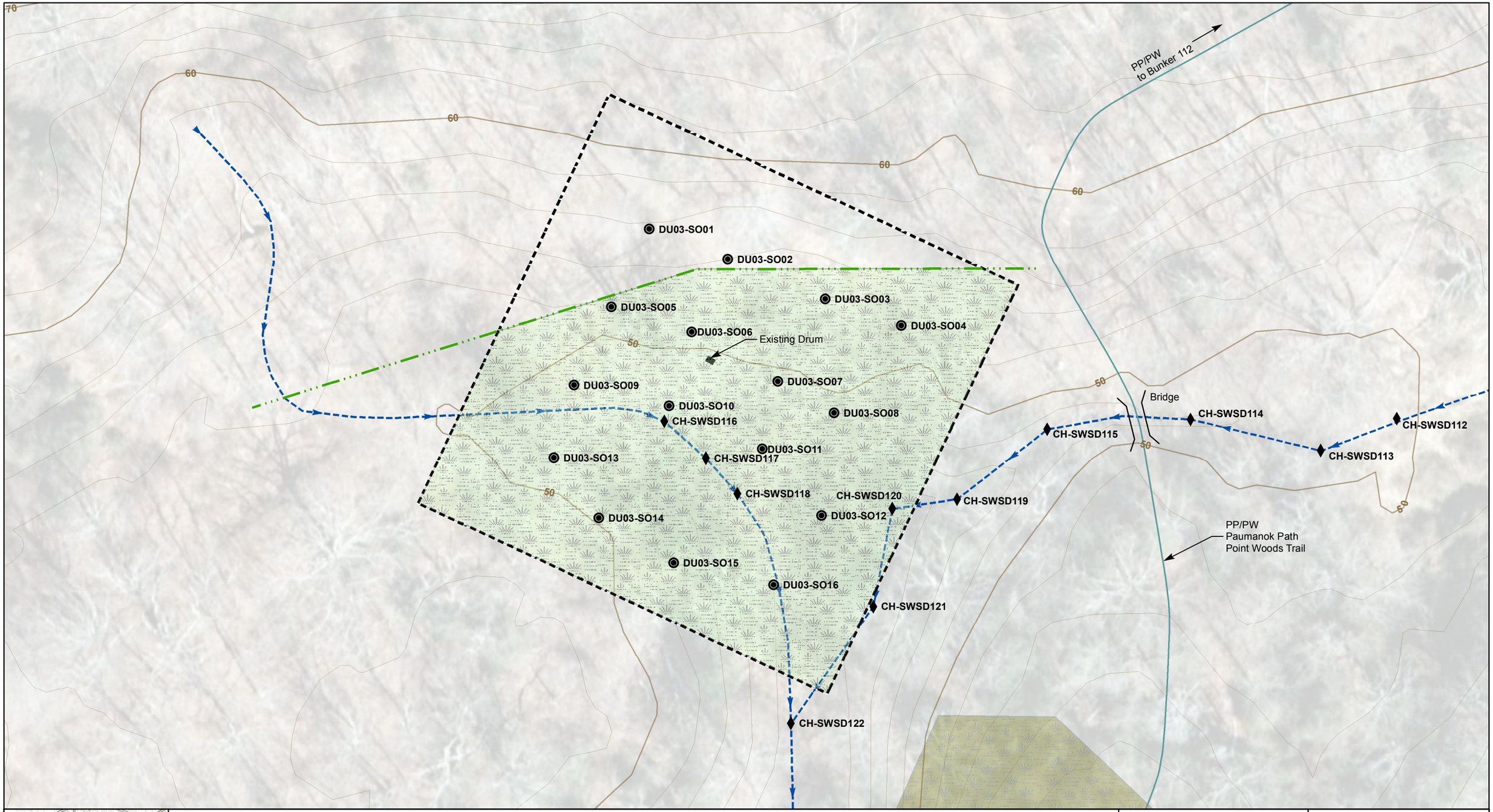
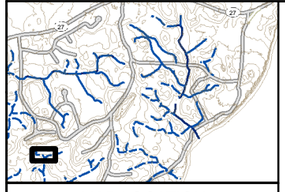
PROJECT NO.	PREPARED BY:	DATE:	
60443903	JB	August 2017	**Figure 4-4**

8/9/2017 \\USCHL1FP001\Data\Projects\Govt\Projects\USACE\Camp_Hero\GIS\Projects\Phase_III_Field_Report\MXD\Fig_4_4_DU02_H2_Drum_Area.mxd





MAP LOCATION

Camp Hero Built Features

- Phase III Surface Soil Sample Location
- Phase III Subsurface Soil Sample Location (1-2 Feet)
- Phase III Surface Water and Sediment Sampling Location
- Decision Unit

State Park Trails

- Paumanok Path

Topographic Contours

- 10 ft
- 2 ft

Camp Hero Natural Features

DEC Wetlands

- Class 2
- 2017 Approximate Site-Delineated Wetlands
- Intermittent Drainage without Revetment
- 2017 Site-Delineated Wetland Line

N W E S

0 15 30 Feet

1 inch = 30 feet

Surface water features obtained from National Hydrography Dataset (NHD) Dates of publication vary.

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Phase III RI Sampling Locations
DU03, H1 Drum Area

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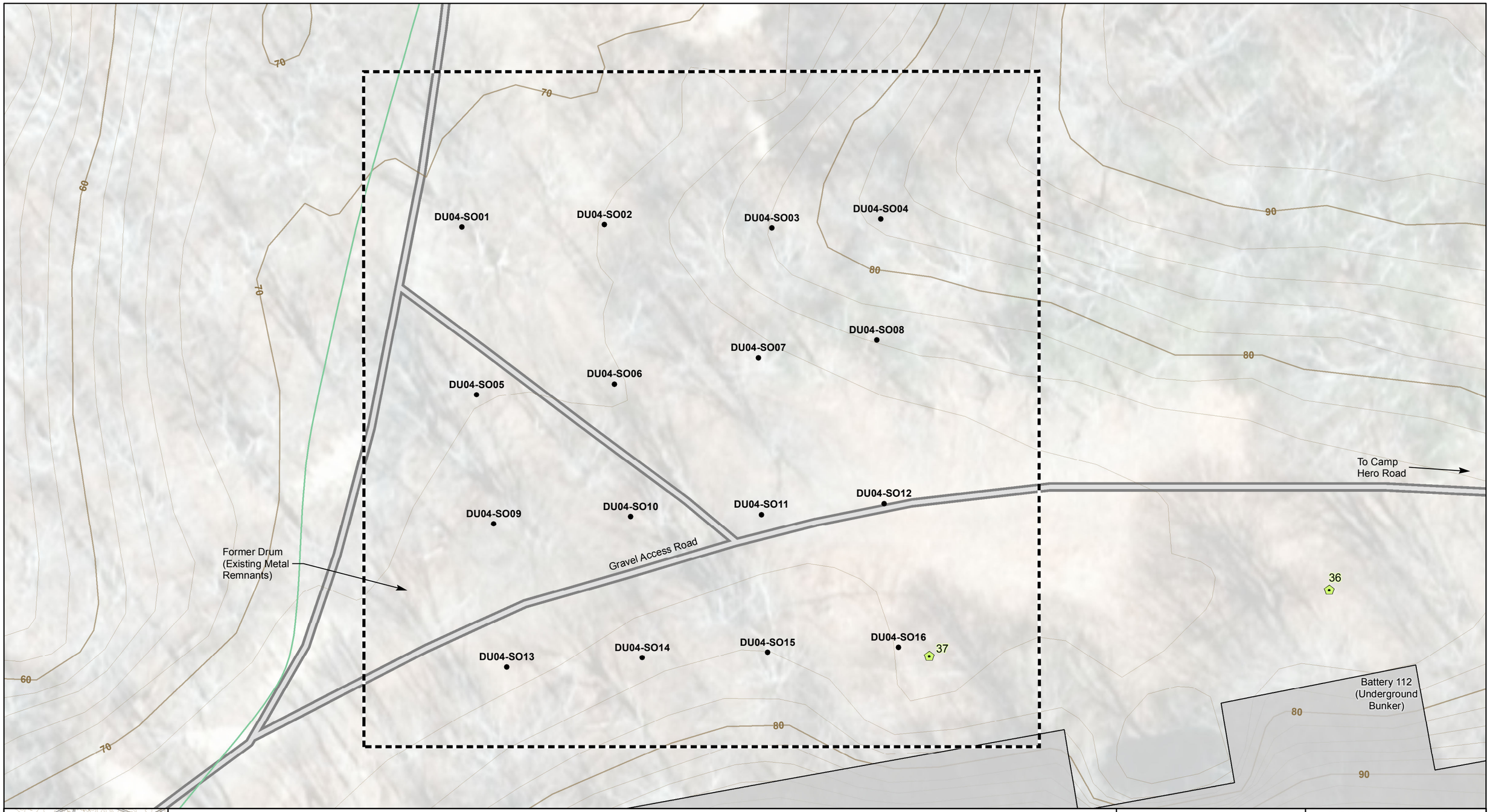
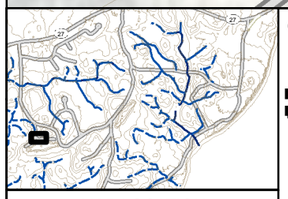
PROJECT NO.	PREPARED BY:	DATE:	
60443903	JB	August 2017	**Figure 4-5**

8/9/2017 \\USCHL1FP001\Data\Projects\Govt\Projects\USACE\Camp_Hero\GIS\Projects\Phase_III_Field_Report\MXD\Fig_4_5_DU03_H1_Drum_Area.mxd





MAP LOCATION

Camp Hero Built Features

- Phase III Surface Soil Sample Location
- Decision Unit

Storage Tanks

- UST (closed)

State Park Trails

- Battery 112 Trail

Topographic Contours

- 10 ft
- 2 ft

N W E S

0 10 20 Feet

1 inch = 20 feet

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Phase III RI Sampling Locations
DU04, H18 Drum Area

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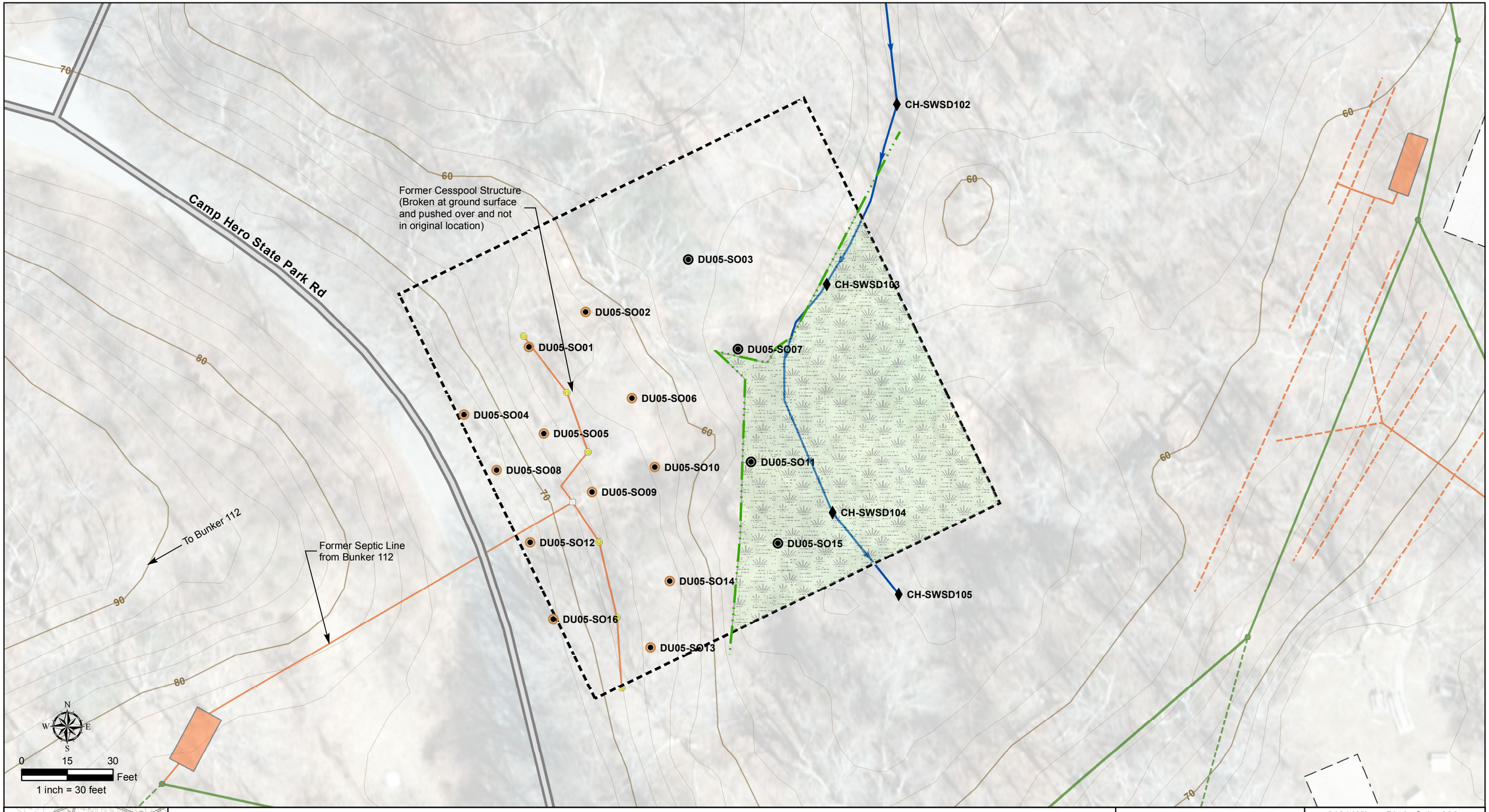
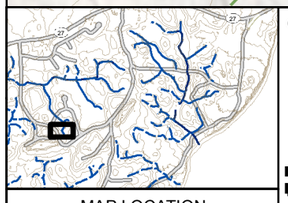
PROJECT NO.	PREPARED BY:	DATE:	
60443903	JB	August 2017	**Figure 4-6**

8/9/2017 \\USCHL1FP001\Data\Projects\Govt\Projects\USACE\Camp_Hero\GIS\Projects\Phase_III_Field_Report\MXD\Fig_4_6_DU04_H18_Drum_Area.mxd





MAP LOCATION

Camp Hero Built Features

- Phase III Surface Soil Sample Location
- Phase III Subsurface Soil Sample Location (1-2 Feet)
- Phase III Subsurface Soil Sample Location (1-10 Feet)
- Decision Unit

Former Sanitary Sewer System Features

- Primary Sanitary Sewer Line
- Secondary WDS Line
- Septic Lines
- Drain Tilefields
- Septic Tank
- Manhole
- Box (cleanout or other)
- Cesspool

Topographic Contours

- 10 ft
- 2 ft

Camp Hero Natural Features

- 2017 Approximate Site-Delineated Wetlands
- Intermittent Drainage with Revetment
- 2017 Site-Delineated Wetland Line

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Phase III RI Sampling Locations
DU05, WDS Cesspool Area

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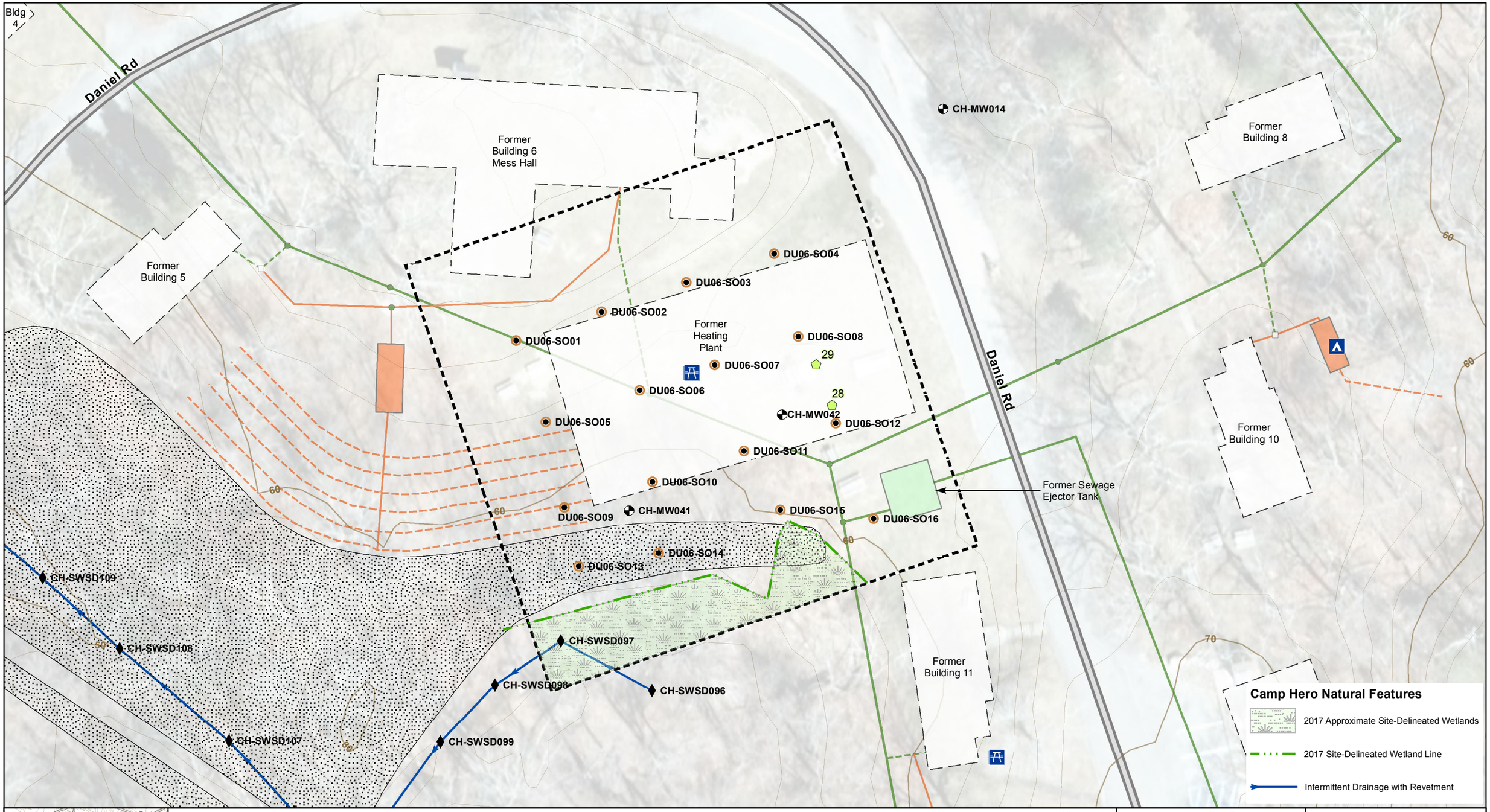
8/9/2017 \\USCHL1FP001\Data\Projects\Govt\Projects\USACE\Camp_Hero\GIS\Projects\Phase_III_Field_Report\MXD\Fig_4_7_DU05_WDS_Cesspool_Area.mxd



MAP LOCATION

Camp Hero Built Features

- Phase III Surface Soil Sample Location
- Phase III Subsurface Soil Sample Location (1-10 Feet)
- Groundwater Monitoring Well
- Phase III Surface Water and Sediment Sampling Location
- Decision Unit

Storage Tanks

- AST (closed)

State Park Areas

- Camping
- Picnic

Former Sanitary Sewer System Features

- Primary Sanitary Sewer Line
- Secondary WDS Line
- Septic Lines
- Drain Tilefields
- Septic Tank
- Sewage Ejector Tank
- Manhole
- Box (cleanout or other)

Topographic Contours

- 10 ft
- 2 ft
- Coal Fragments

N W E S

0 15 30 Feet

1 inch = 30 feet

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Phase III RI Sampling Locations
DU06, Former Power Plant Area

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Montauk, New York

PROJECT NO.	PREPARED BY:	DATE:	
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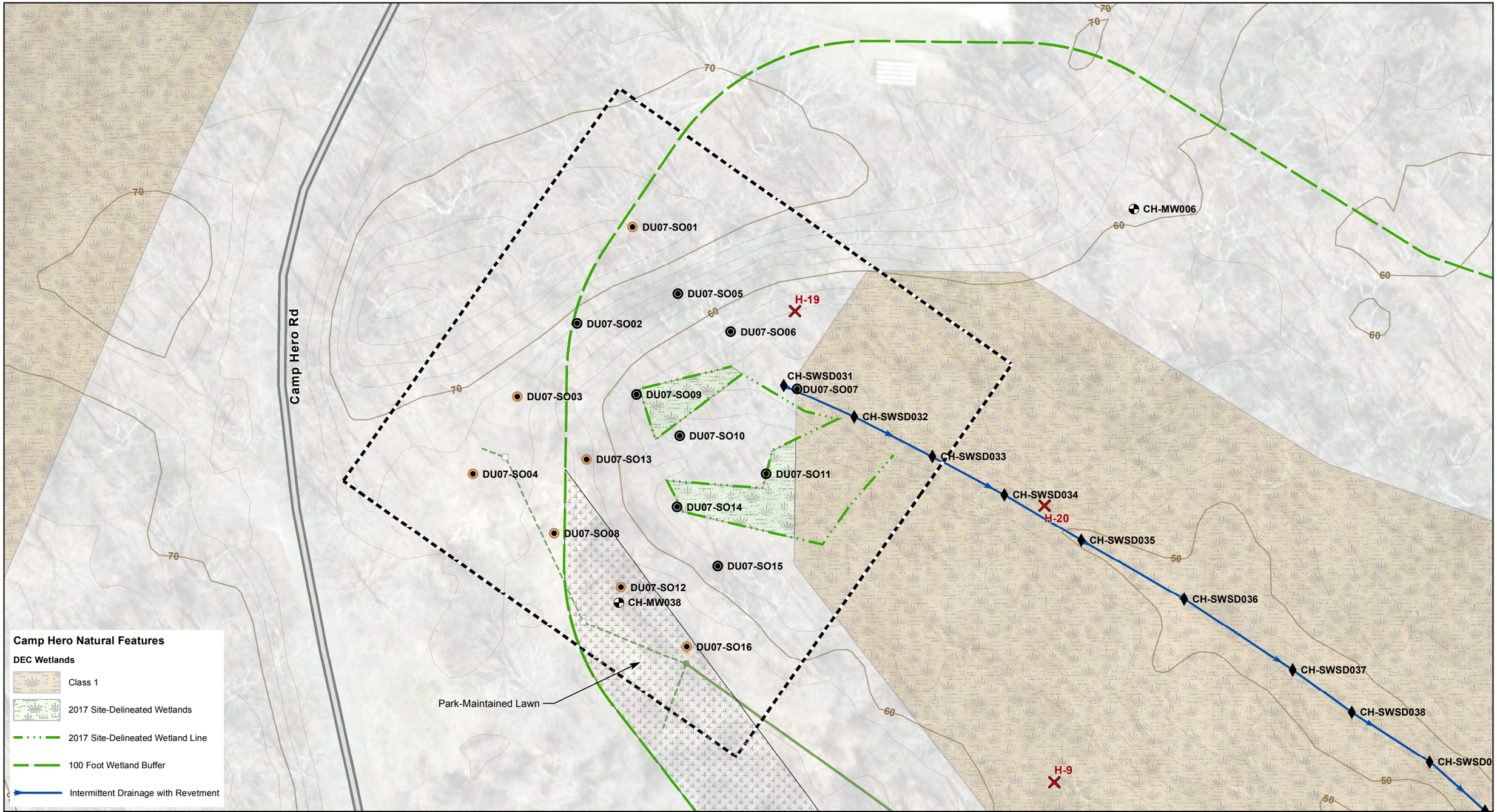
9/22/2017 \\USCHL1FP001\Data\Projects\Govt\Projects\USACE\Camp_Hero\GIS\Projects\Phase_III_Field_Report\MXD\Fig_4_8_DU06_WDS_Tile_Leach_Field_Area.mxd



Camp Hero Natural Features

DEC Wetlands

- Class 1
- 2017 Site-Delineated Wetlands
- 2017 Site-Delineated Wetland Line
- 100 Foot Wetland Buffer
- Intermittent Drainage with Revetment

MAP LOCATION

Camp Hero Built Features

- Phase III Surface Soil Sample Location
- Phase III Subsurface Soil Sample Location (1-2 Feet)
- Phase III Subsurface Soil Sample Location (1-10 Feet)
- Groundwater Monitoring Well
- Phase III Surface Water and Sediment Sampling Location
- Decision Unit
- AOC from Cashin Report

Former Sanitary Sewer System Features

- Primary Sanitary Sewer Line
- Secondary WDS Line

- Manhole
- Box (cleanout or other)

Topographic Contours

- 10 ft
- 2 ft

N W E S

0 20 40 Feet

1 inch = 40 feet

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Phase III RI Sampling Locations
DU07, H19, H20 AST/Drum Area

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Montauk, New York

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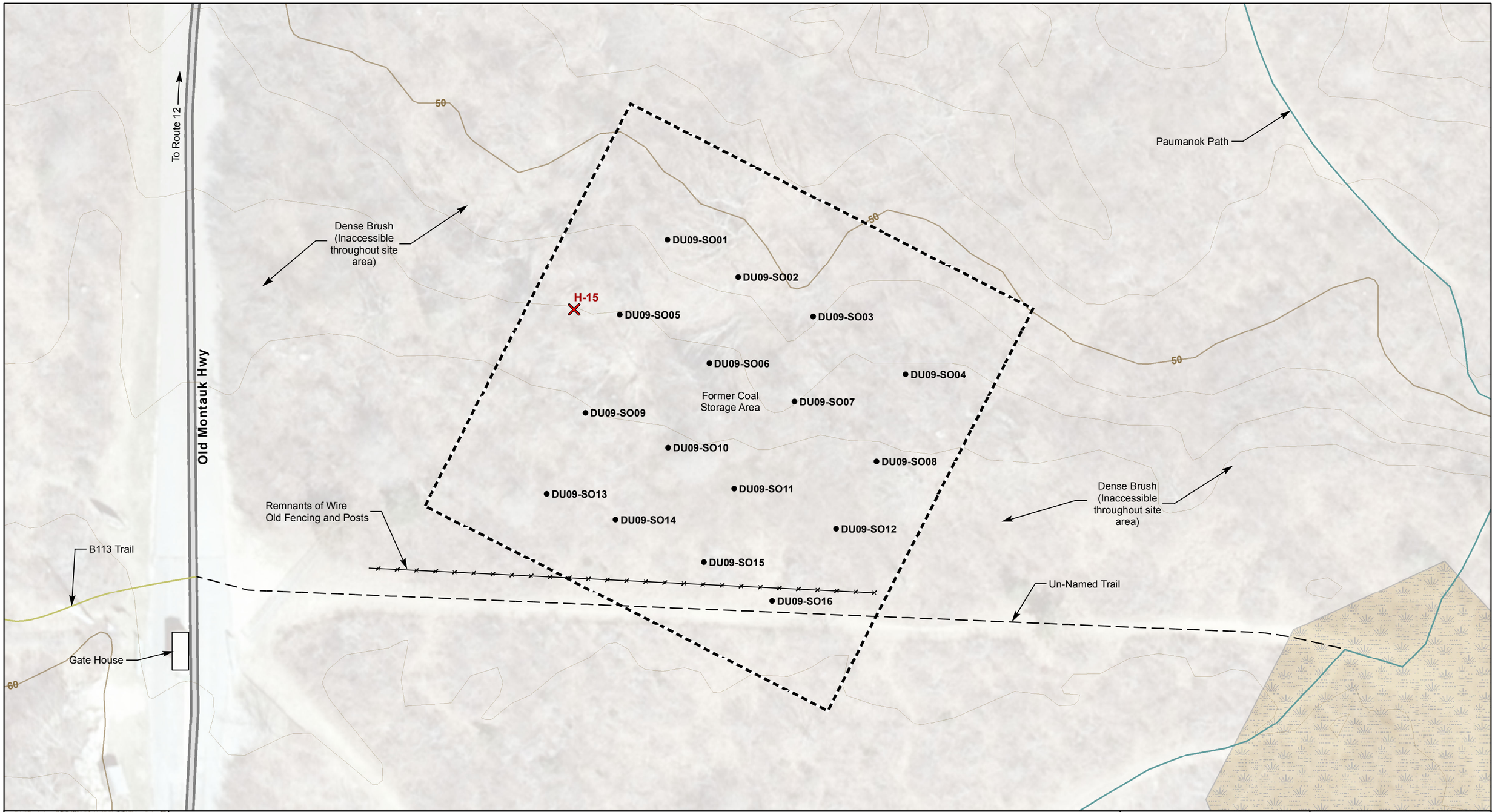
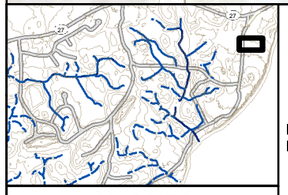
9/22/2017 \\USCHL1FP001\Data\Projects\Govt\Projects\USACE\Camp_Hero\GIS\Projects\Phase_III_Field_Report\MXD\Fig_4_9_DU07_H19_H20_AST_Drum_Area.mxd





MAP LOCATION

Camp Hero Built Features

- Phase III Surface Soil Sample Location
- AOC from Cashin Report
- Decision Unit

State Park Trails

- Battery 113 Trail
- Paumanok Path

Topographic Contours

- 10 ft
- 2 ft

Camp Hero Natural Features

DEC Wetlands

- Class 1

N W E S

0 15 30 Feet

1 inch = 30 feet

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Phase III RI Sampling Locations
DU09, Coal Storage Area

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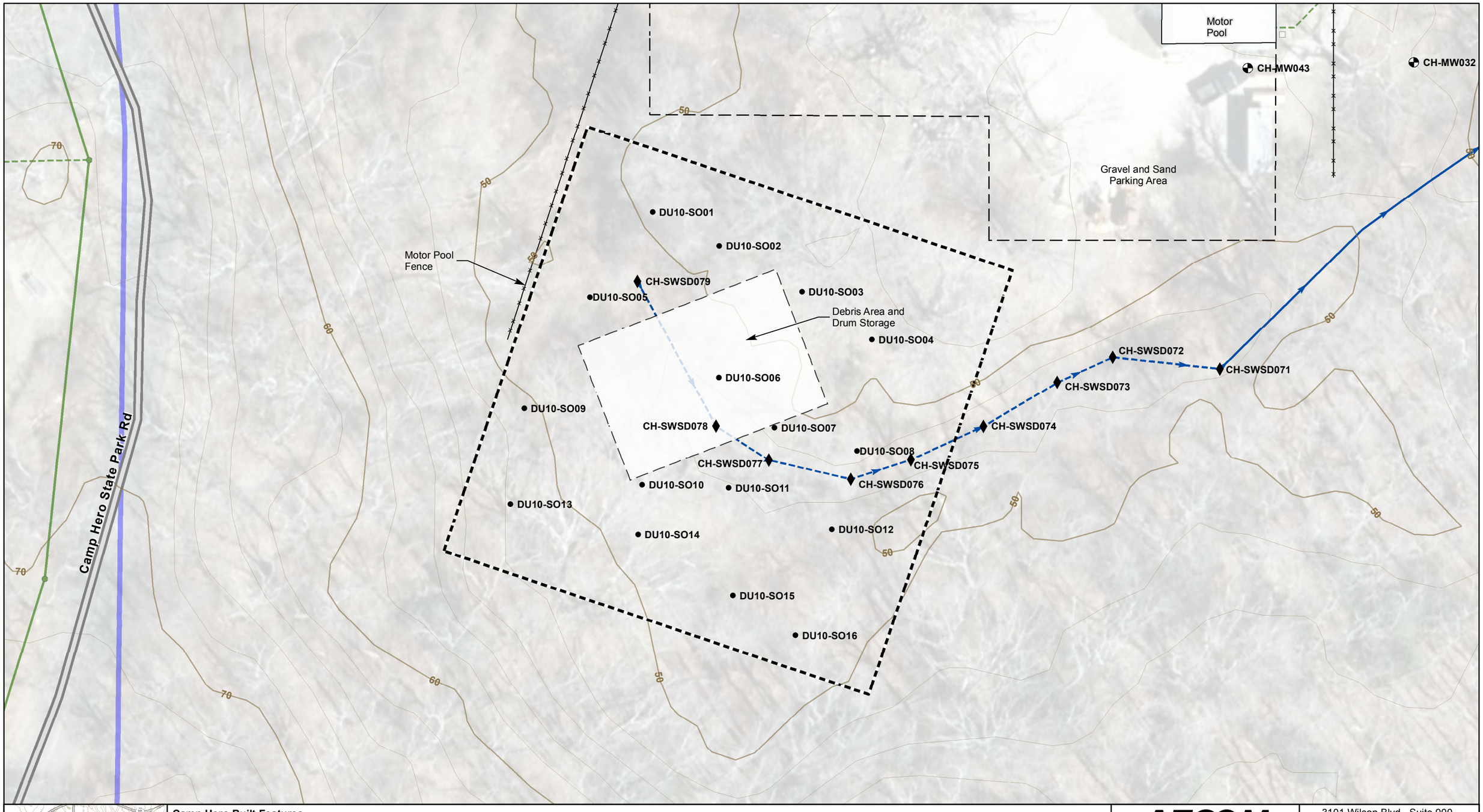
9/22/2017 \\USCHL1FP001\Data\Projects\Govt\Projects\USACE\Camp_Hero\GIS\Projects\Phase_III_Field_Report\MXD\Fig_4_10_DU09_Coal_Storage_Area.mxd



MAP LOCATION

Camp Hero Built Features

- Phase III Surface Soil Sample Location
- Groundwater Monitoring Well
- Phase III Surface Water and Sediment Sampling Location
- Decision Unit
- Fence

Former Sanitary Sewer System Features

- Primary Sanitary Sewer Line
- Secondary WDS Line
- Manhole
- Box (cleanout or other)

Topographic Contours

- 10 ft
- 2 ft

Camp Hero Natural Features

- Surface Water Divide
- Intermittent Drainage without Revetment
- Intermittent Drainage with Revetment

N W E S

0 15 30 Feet

1 inch = 30 feet

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Phase III RI Sampling Locations
DU10, H5 Drum/Debris Area

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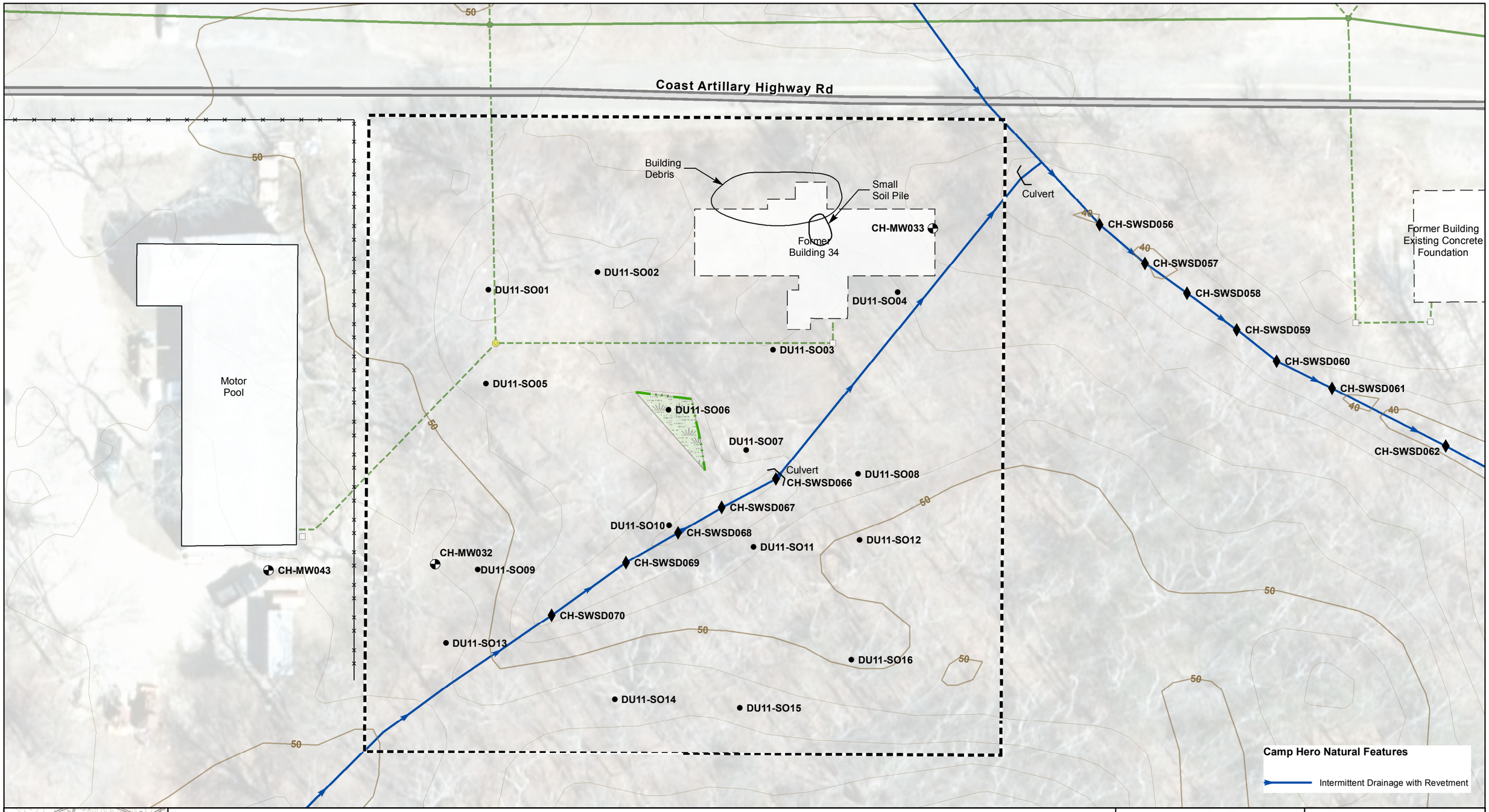
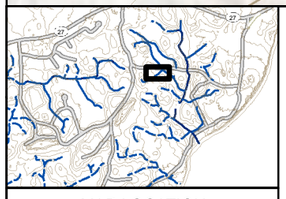
Montauk, New York

PROJECT NO.	PREPARED BY:	DATE:	
60443903	JB	August 2017	**Figure 4-11**

8/9/2017 \\USCHL1FP001\Data\Projects\Govt\Projects\USACE\Camp_Hero\GIS\Projects\Phase_III_Field_Report\MXD\Fig_4_11_DU10_H5_Drum_Debris_Area.mxd





MAP LOCATION

Camp Hero Built Features

- Phase III Surface Soil Sample Location
- Groundwater Monitoring Well
- Phase III Surface Water and Sediment Sampling Location
- Decision Unit
- Existing Building
- Former Building
- Fence

Former Sanitary Sewer System Features

- Primary Sanitary Sewer Line
- Secondary WDS Line
- Manhole
- Box (cleanout or other)
- Cesspool

Topographic Contours

- 10 ft
- 2 ft

N W E S

0 15 30 Feet

1 inch = 30 feet

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Phase III RI Sampling Locations
DU11, H16 Sewage/WDS Septic Area

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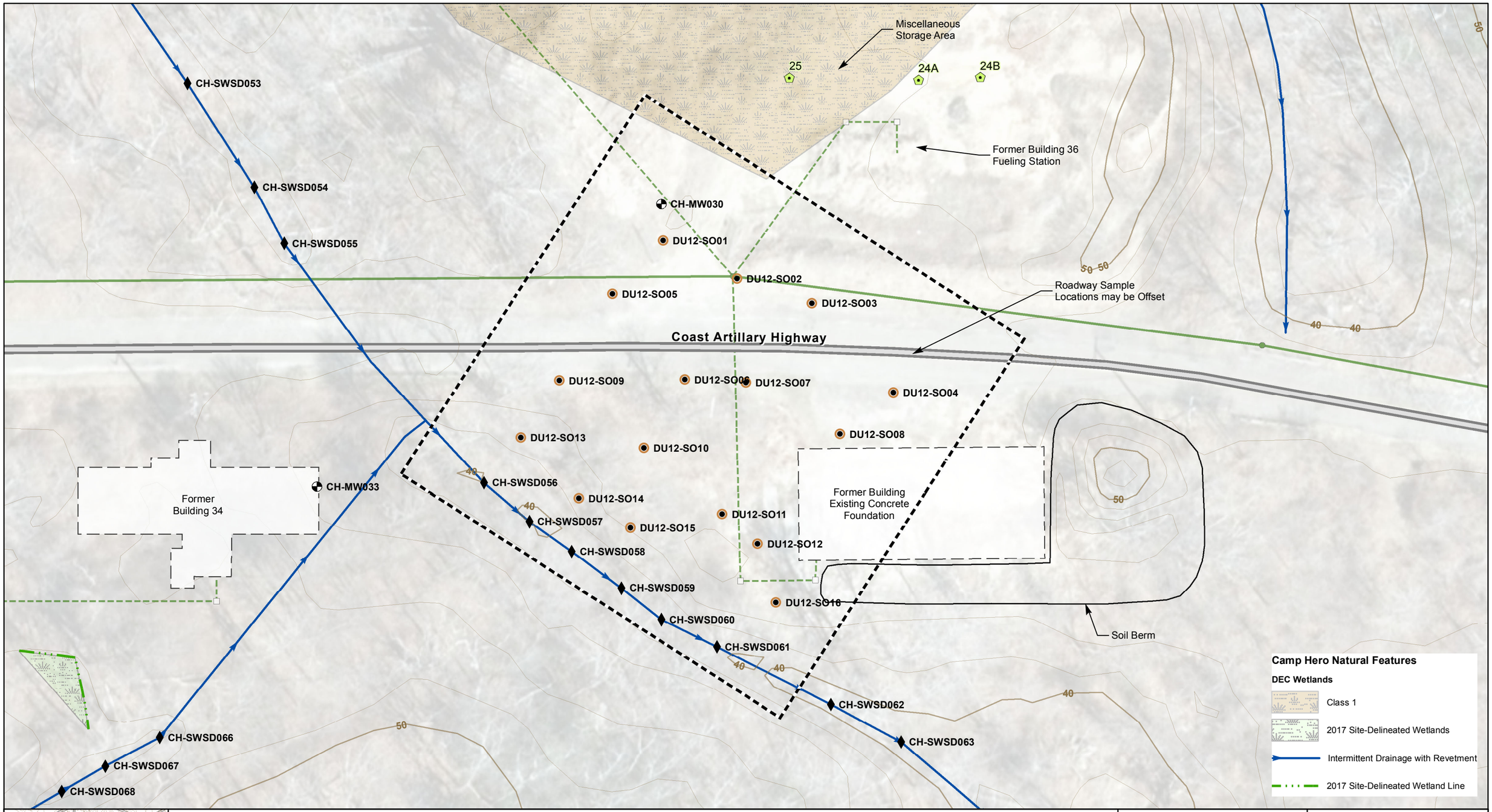
Montauk, New York

PROJECT NO.	PREPARED BY:	DATE:	
60443903	JB	September 2017	**Figure 4-12**

9/22/2017 \\USCHL1FP001\Data\Projects\Govt\Projects\USACE\Camp_Hero\GIS\Projects\Phase_III_Field_Report\MXD\Fig_4_12_DU11_H16_Sewage_WDS_Septic_Area.mxd



MAP LOCATION

Camp Hero Built Features

- Phase III Surface Soil Sample Location
- Phase III Subsurface Soil Sample Location (1-10 Feet)
- Groundwater Monitoring Well
- Phase III Surface Water and Sediment Sampling Location
- Decision Unit
- **Storage Tanks**
  - UST (closed)
  - Former Building
- **Former Sanitary Sewer System Features**
  - Primary Sanitary Sewer Line
  - Secondary WDS Line
  - Manhole
  - Box (cleanout or other)
- **Topographic Contours**
  - 10 ft
  - 2 ft

N W E S

0 15 30 Feet

1 inch = 30 feet

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Phase III RI Sampling Locations
DU12, WDS Manhole Area 1

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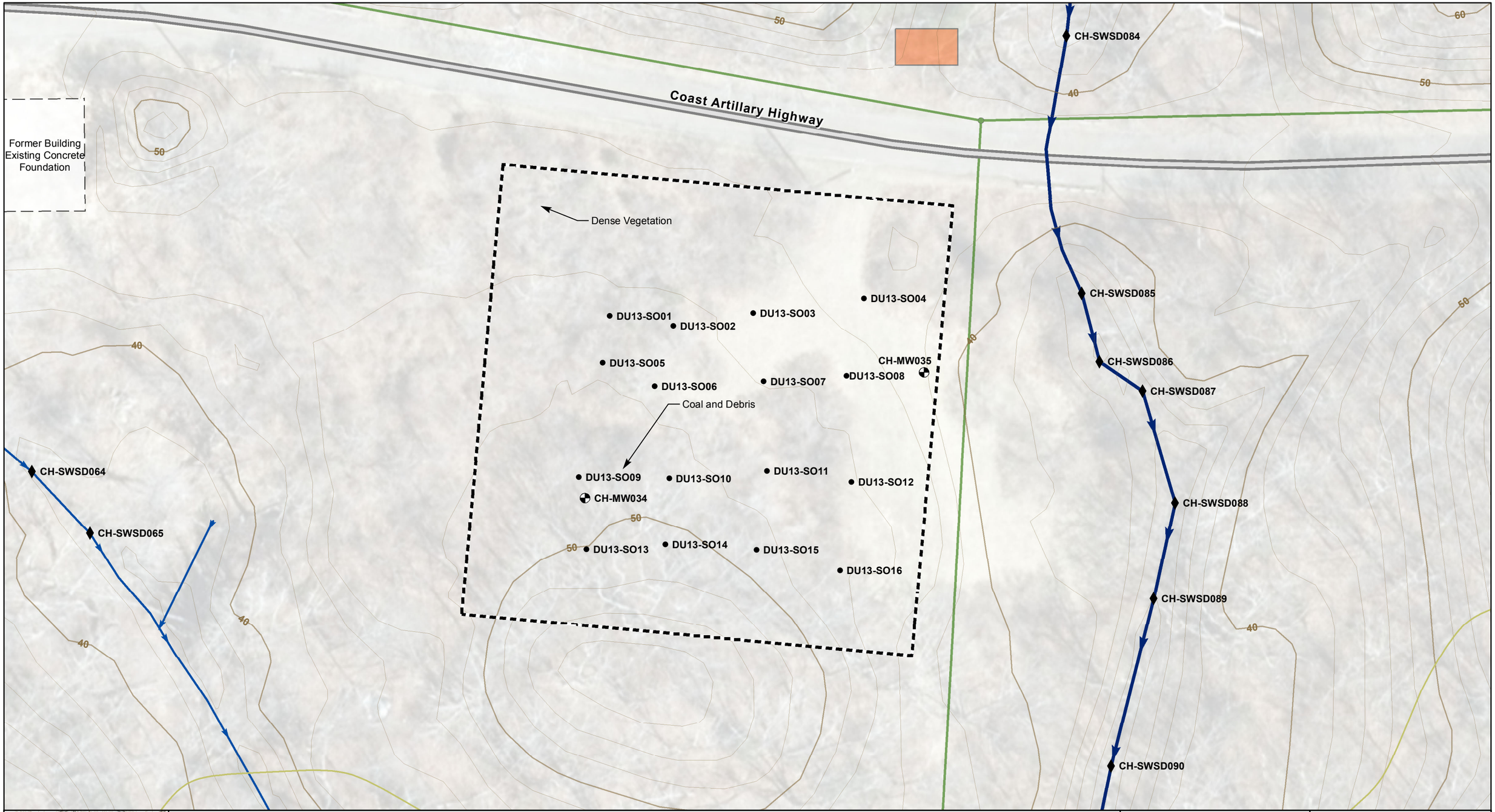
PROJECT NO.	PREPARED BY:	DATE:	
60443903	JB	September 2017	**Figure 4-13**



MAP LOCATION

Camp Hero Built Features

- Phase III Surface Soil Sample Location
- Groundwater Monitoring Well
- Phase III Surface Water and Sediment Sampling Location
- Decision Unit

State Park Trails

- Battery 113 Trail

Former Sanitary Sewer System Features

- Primary Sanitary Sewer Line
- Septic Tank
- Manhole

Topographic Contours

- 10 ft
- 2 ft

Camp Hero Natural

- Intermittent Drainage with
- Primary Drainage with

N W E S

0 15 30 Feet

1 inch = 30 feet

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Phase III RI Sampling Locations
DU13, H14 Coal Storage Area

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Montauk, New York

PROJECT NO.	PREPARED BY:	DATE:	
60443903	JB	September 2017	**Figure 4-14**

9/22/2017 \\USCHL1FP001\Data\Projects\Govt\Projects\USACE\Camp_Hero\GIS\Projects\Phase_III_Field_Report\MXD\Fig_4_14_DU13_H14_Coal_Storage_Area.mxd

MAP LOCATION

Camp Hero Built Features

- Phase III Surface Soil Sample Location
- Phase III Subsurface Soil Sample Location (1-10 Feet)
- Groundwater Monitoring Well
- Phase III Surface Water and Sediment Sampling Location

- Decision Unit

Former Sanitary Sewer System Features

- Primary Sanitary Sewer Line
- Manhole

Topographic Contours

- 10 ft
- 2 ft

Camp Hero Natural Features

- Primary Drainage with Revetment
- Intermittent Drainage with Revetment

N W E S

0 15 30 Feet

1 inch = 30 feet

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Phase III RI Sampling Locations
DU14, WDS Septic Tank Area

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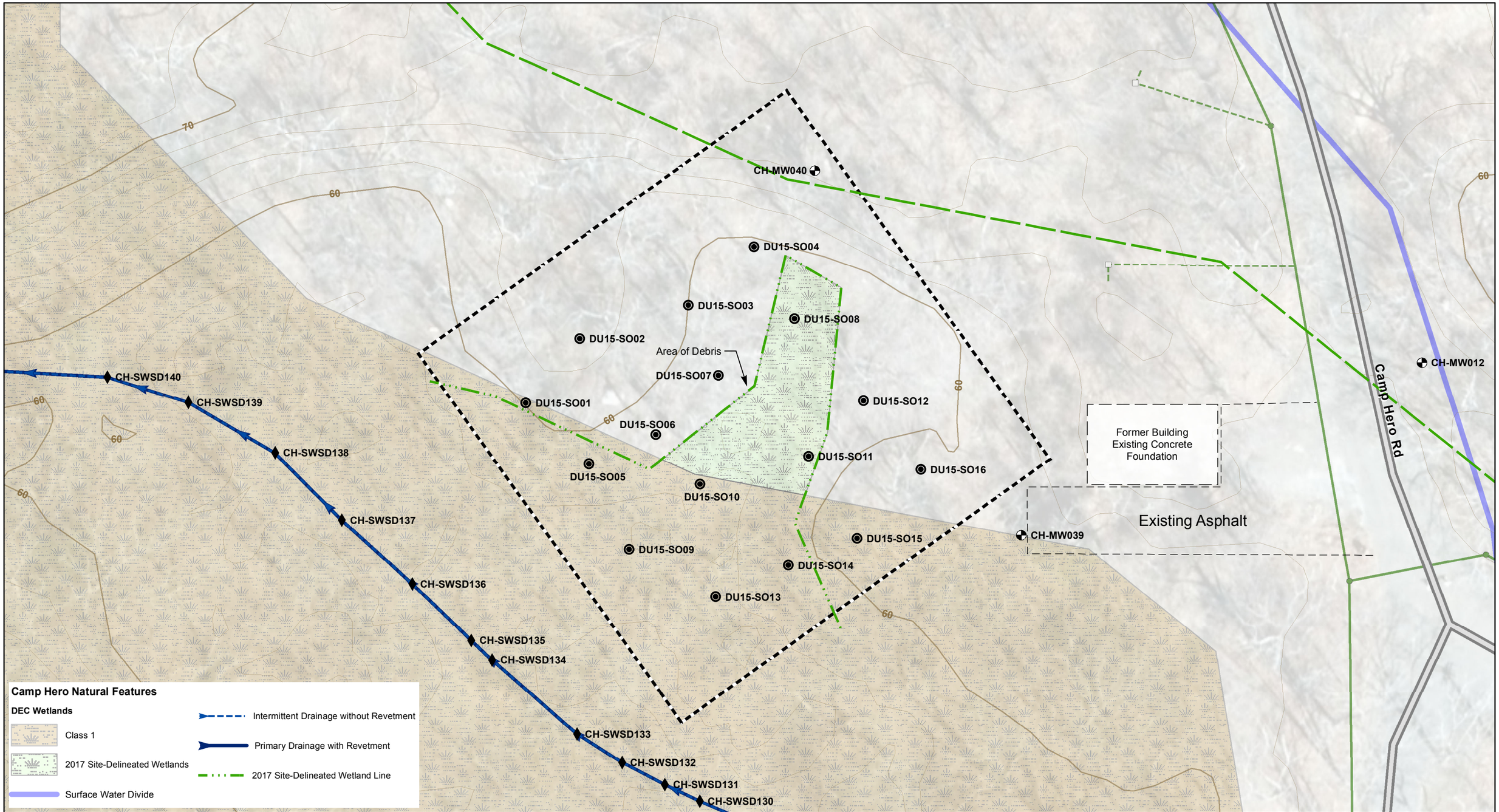
Montauk, New York

PROJECT NO.	PREPARED BY:	DATE:	
60443903	JB	September 2017	**Figure 4-15**



MAP LOCATION

Camp Hero Built Features

- Phase III Surface Soil Sample Location
- Phase III Subsurface Soil Sample Location (1-2 Feet)
- Groundwater Monitoring Well
- Phase III Surface Water and Sediment Sampling Location
- Decision Unit
- Box (cleanout or other)

Former Sanitary Sewer System Features

- Primary Sanitary Sewer Line
- Secondary WDS Line
- Manhole

Topographic Contours

- 10 ft
- 2 ft

N W E S

0 15 30 Feet

1 inch = 30 feet

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Phase III RI Sampling Locations
DU15, H6 Debris Area

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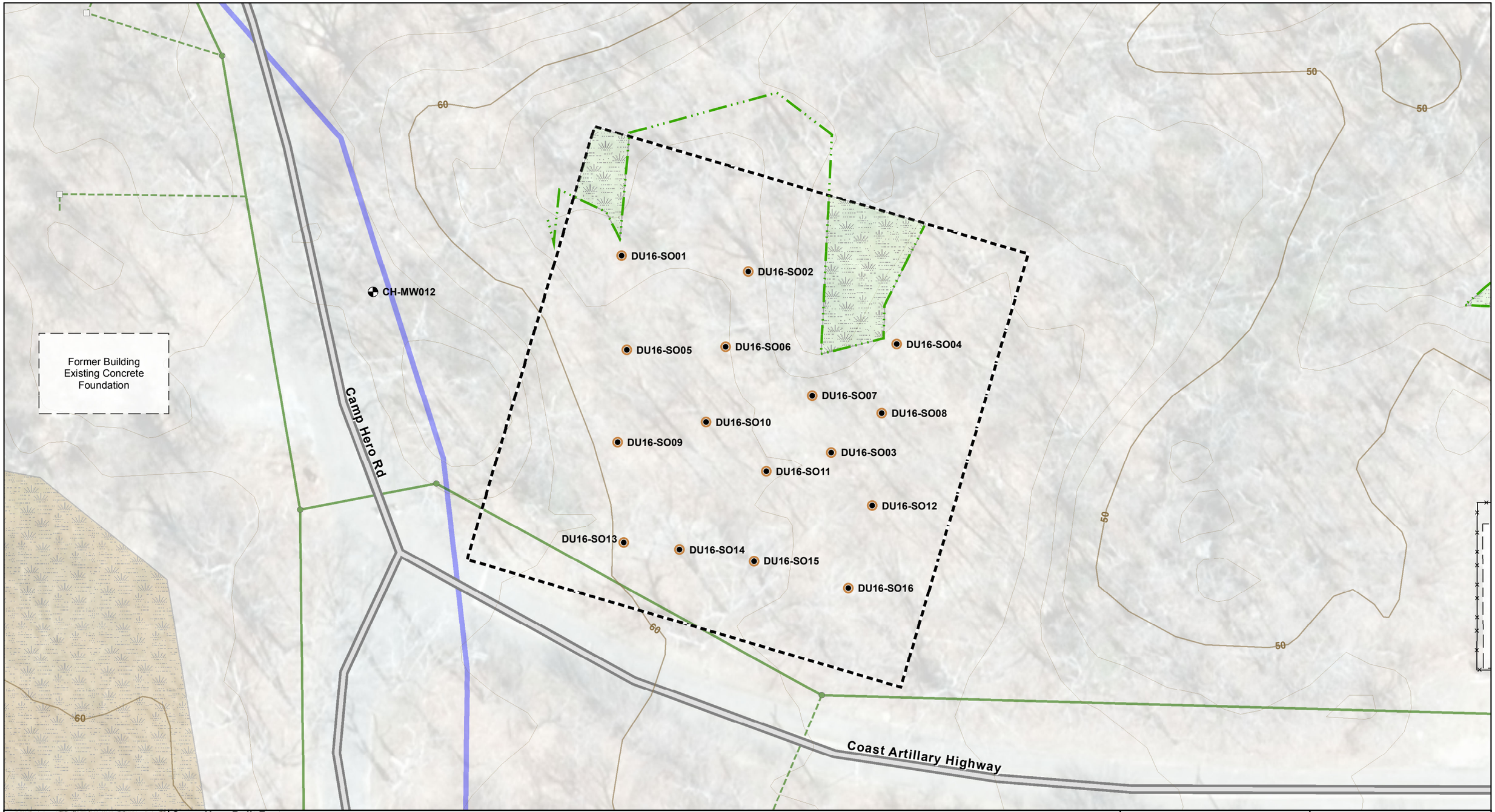
Montauk, New York

PROJECT NO.	PREPARED BY:	DATE:	
60443903	DDS	September 2017	**Figure 4-16**

9/22/2017 \\USCHL1FP001\Data\Projects\Govt\Projects\USACE\Camp_Hero\GIS\Projects\Phase_III_Field_Report\MXD\Fig_4_16_DU15_H6_Debris_Area.mxd



MAP LOCATION

Camp Hero Built Features

- Phase III Surface Soil Sample Location
- Phase III Subsurface Soil Sample Location (1-10 Feet)
- Groundwater Monitoring Well
- Decision Unit
- Fence

Former Sanitary Sewer System Features

- Primary Sanitary Sewer Line
- Secondary WDS Line
- Manhole
- Box (cleanout or other)

Topographic Contours

- 10 ft
- 2 ft

Camp Hero Natural Features

DEC Wetlands

- Class 1
- 2017 Site-Delineated Wetlands
- Surface Water Divide
- 2017 Site-Delineated Wetland Line

0 15 30 Feet

1 inch = 30 feet

N W E S

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Phase III RI Sampling Locations
DU16, WDS Manhole Area 2

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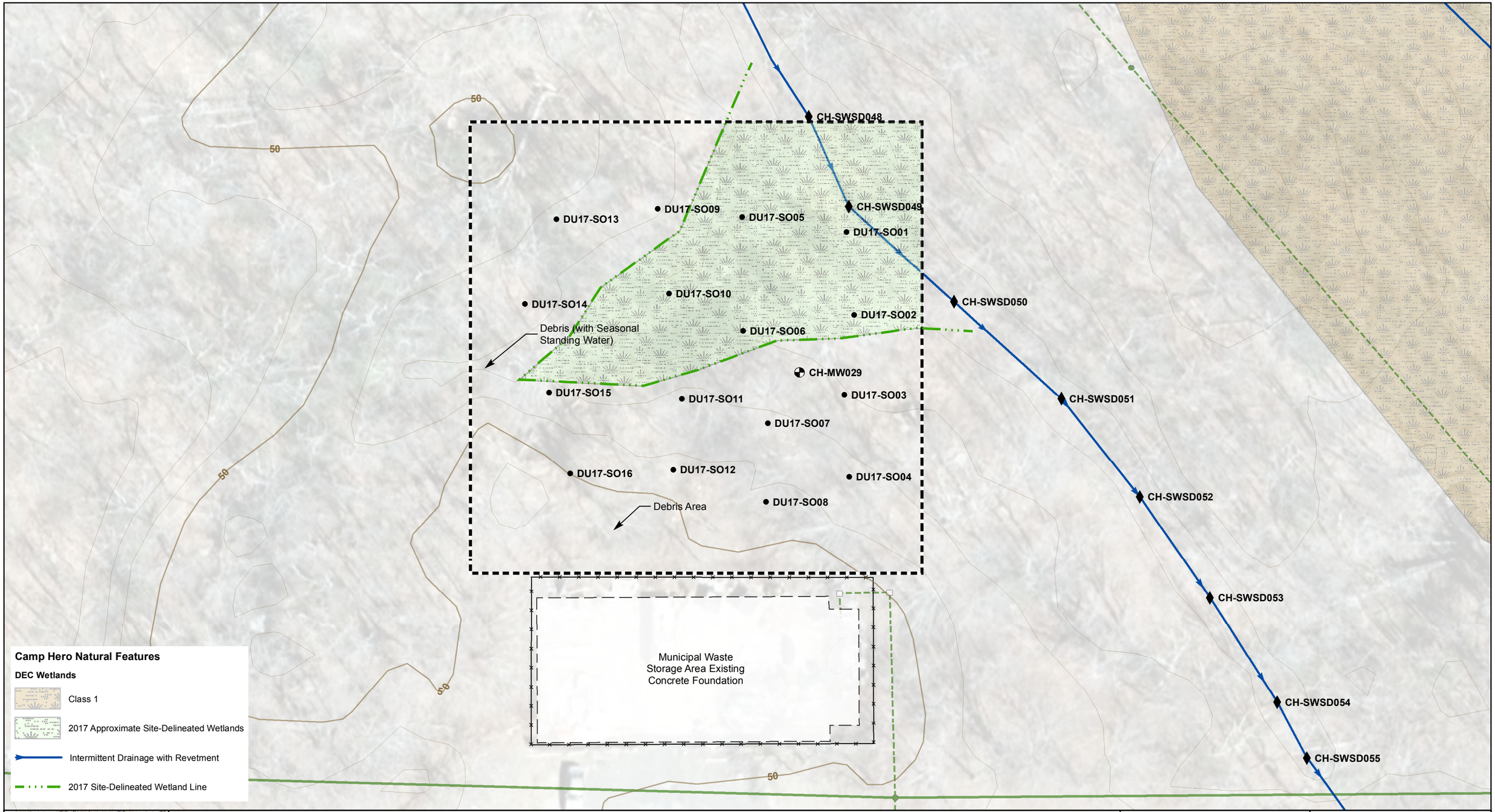
Montauk, New York

PROJECT NO.	PREPARED BY:	DATE:	
60443903	JB	September 2017	**Figure 4-17**

9/22/2017 \\USCHL1FP001\Data\Projects\Govt\Projects\USACE\Camp_Hero\GIS\Projects\Phase_III_Field_Report\MXD\Fig_4_17_DU16_WDS_Manhole_Area_2.mxd



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Phase III RI Sampling Locations
DU17, H4 Debris Area

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PROJECT NO.	PREPARED BY:	DATE:	
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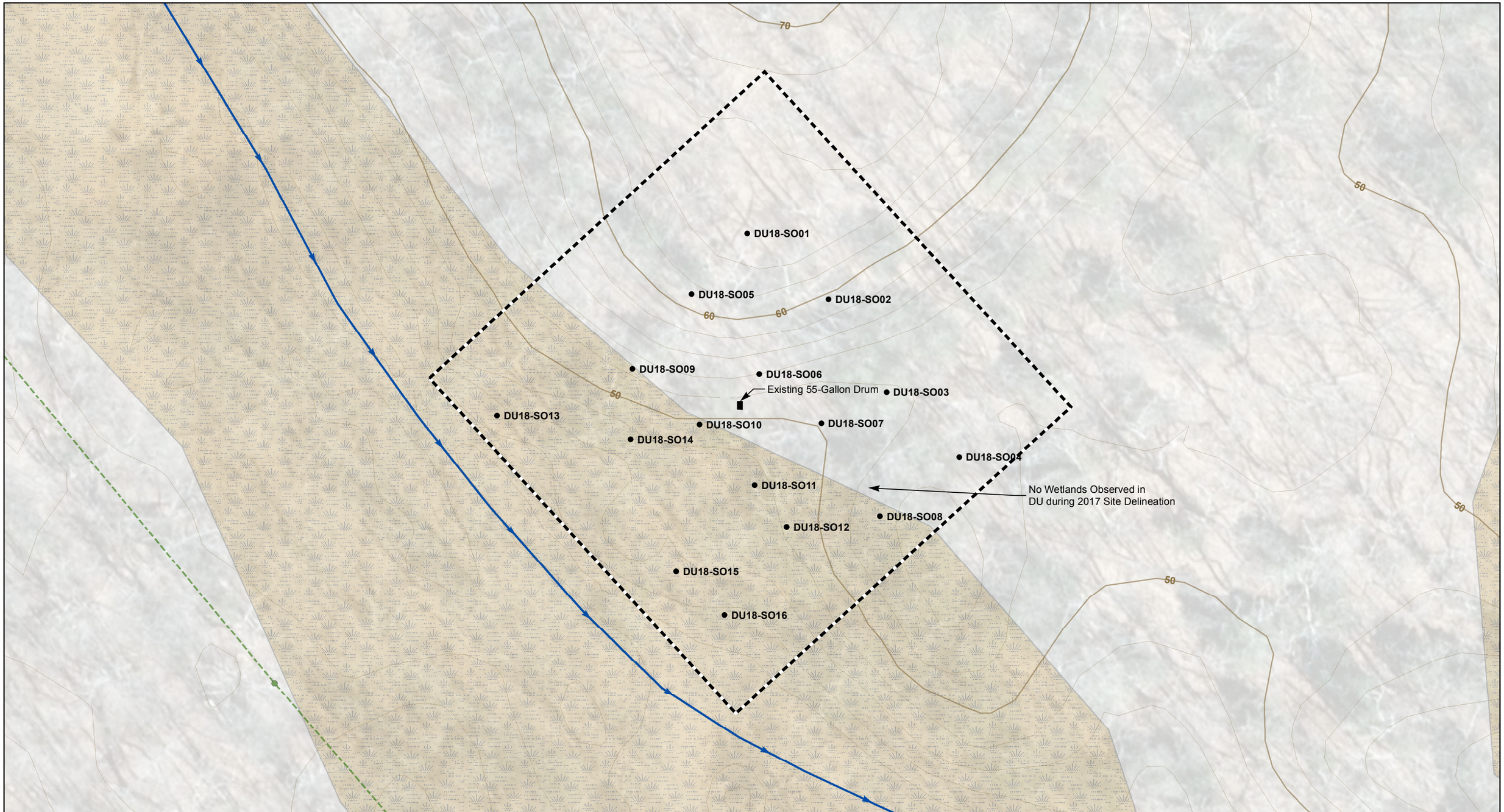
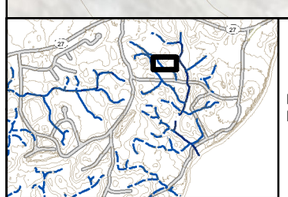
8/9/2017 \\USCHL1FP001\Data\Projects\Govt\Projects\USACE\Camp_Hero\GIS\Projects\Phase_III_Field_Report\MXD\Fig_4_18_DU17_H4_Debris_Area.mxd





MAP LOCATION

Camp Hero Built Features

- Phase III Surface Soil Sample Location
- Decision Unit

Former Sanitary Sewer System Features

- Secondary WDS Line
- Manhole

Topographic Contours

- 10 ft
- 2 ft

Camp Hero Natural Features

DEC Wetlands

- Class 1
- Intermittent Drainage with Revetment

N W E S

0 15 30 Feet

1 inch = 30 feet

AECOM
3101 Wilson Blvd., Suite 900
Arlington, VA 22201
T 703-682-4900 F 703-682-4901

Phase III RI Sampling Locations
DU18, H3 Drum Area

Camp Hero Remedial Investigation
Montauk, New York

PROJECT NO.	PREPARED BY:	DATE:	
60443903	JB	September 2017	**Figure 4-19**

9/22/2017 \\USCHL1FP001\Data\Projects\Govt\Projects\USACE\Camp_Hero\GIS\Projects\Phase_III_Field_Report\MXD\Fig_4_19_DU18_H3_Drum_Area.mxd

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Appendix B

Tables

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Table 2-1. Summary of Observed Wetlands and Best Management Practices
Phase III Remedial Investigation
Camp Hero, Montauk, New York

DU/Area	Wetlands Observed	Potential Impacts to Wetlands	Best Management Practices
DU01	No Wetland Conditions Observed	None	Site Standard (1)
AST35/FPH	Wetland Conditions Observed	Two wells located to delineate downgradient portion of DU01 LNAPL plume; two wells planned in observed wetlands are still required to delineate groundwater impacts; BMPs will be required.	Relocate one well outside wetland limits (CH-MW023); relocating well is consistent with SAP flexibility and 5/9/17 site walk. Where it is not possible to relocate the well (CH-MW024), utilize wetland mats and catch basin to collect liquid and soil cuttings to minimize potential release of sediment to wetlands, utilize one point of entry and exit, rake ruts and re-seed with wetland seed mix, and verify successful BMPs two weeks post-installation.
DU02	Wetland Conditions Observed within State Mapped Wetland Boundary (Class 2) and throughout entire DU	None - no drilling	Site Standard (1)
DU03	Wetland Conditions Observed throughout approx. 90% of DU	Planned drill rig sampling operations located within observed wetlands.	Hand auger samples instead of using direct push drill rig within wetland limits. Collecting subsurface soil samples within wetlands with a hand auger is consistent with SAP flexibility.
DU04	No Wetland Conditions Observed	None - no drilling	Site Standard (1)
DU05	Wetland Conditions Observed throughout approx. 40% of DU	Planned drill rig sampling operations located within observed wetlands.	Hand auger samples within wetland limits. Collecting subsurface soil samples within wetlands with a hand auger is consistent with SAP flexibility.
DU06	Wetland Conditions observed through minimal portion of DU along southern border	Planned drill rig sampling operations located within observed wetlands.	Relocate sample borings outside wetland limits. Wells to be installed in park-maintained lawn outside of wetland limit. Collecting subsurface soil samples within wetlands with a hand auger is consistent with SAP flexibility.
DU07	Wetland Conditions Observed within State Mapped Wetland Boundary (Class 1). Additional wetland conditions outside state-mapped boundary observed. Wetlands cover approx. 75% of DU.	Planned drill rig sampling operations, planned well installations within observed wetlands and buffer zone.	Entire DU07 boundary will be shifted slightly west to avoid wetlands to the extent possible, while still encompassing the exposure area. Hand auger samples instead of using direct push drill rig wells within wetland limits and 100 ft buffer zone of state mapped wetlands. Relocate wells outside of wetland limits and 100 ft buffer zone of state mapped wetlands. Well location CH-MW038 will be adjusted to avoid wetlands and 100 ft buffer zone, placed in park-maintained lawn to west of DU. Well CH-MW039 will be moved to in vicinity of DU15 because moving well outside buffer zone at DU07 would put well close to previously-installed wells CH-MW006 and CH-MW005 (already sufficient groundwater coverage in the area).
DU08	Wetland Conditions Observed within State Mapped Wetland Boundary (Class 1). Additional wetland conditions outside state-mapped boundary observed. Wetlands cover approx. 90% of DU (all except roadway).	Planned drill rig sampling operations, planned well installations within observed wetlands and buffer zone.	Relocate wells along existing, maintained roadway and shoulder. Drill rigs will not leave road. As discussed on 5/9/17 site walk, surface water and sediment samples will be collected instead of soil samples within the DU wetland area.
DU09	No Wetland Conditions Observed	None	Site Standard (1)
DU10	No Wetland Conditions Observed	None - no drilling	Site Standard (1)
DU11	Wetland Conditions Observed throughout approx. 10% observed	Planned well installations within observed wetlands.	Relocate sample borings outside wetland limits. Relocate wells outside of wetland limits, if necessary.

Table 2-1. Summary of Observed Wetlands and Best Management Practices
Phase III Remedial Investigation
Camp Hero, Montauk, New York

DU/Area	Wetlands Observed	Potential Impacts to Wetlands	Best Management Practices
DU12	No Wetland Conditions Observed	None	Site Standard (1)
DU13	No Wetland Conditions Observed	None	Site Standard (1)
DU14	No Wetland Conditions Observed	None	Site Standard (1)
DU15	Wetland Conditions Observed within State Mapped Wetland Boundary (Class 1). Additional wetland conditions extended north of mapped wetlands. Wetland conditions cover 100% of the DU.	Planned drill rig sampling operations, and planned well installation downgradient of debris area with previous PCB detection in grab-groundwater, within observed wetland and buffer zone.	Relocate well CH-MW040 outside of wetland limits and 100 ft buffer zone. For well location CH-MW040, move to northwest outside buffer zone. Move well CH-MW039 to the southeast of the DU, within the buffer zone, but on an existing asphalt which will prevent disturbance to the wetland. For soil samples, consistent with SAP, subsurface soil samples within wetlands will be collected with hand auger.
DU16	Wetland conditions observed within approx. 20% of the DU.	Planned drill rig sampling operations within observed wetlands.	Relocate sample borings outside wetland limits or hand auger samples. Collecting subsurface soil samples within wetlands with a hand auger is consistent with SAP flexibility.
DU17	Wetland conditions observed within approx. 30% of the DU.	Planned well installation within observed wetlands.	Relocate well location outside of wetland limits. Collecting subsurface soil samples within wetlands with a hand auger is consistent with SAP flexibility.
DU18	No Wetland Conditions Observed (although state mapped wetlands are shown)	None	Site Standard (1)
STB	Wetland Conditions Observed within State Mapped Wetland Boundary (Class 1).	Planned well installations within100 ft buffer zone.	Relocate wells outside of wetland limits on park-maintained lawn (within 100 ft buffer). Collecting subsurface soil samples within wetlands with a hand auger is consistent with SAP flexibility.

Notes

(1) Site Standard BMPs include, but are not limited to, minimal vegetation clearance and tree clearing limited to trees under 3".

Yellow highlight indicates drilling activities occurred within wetland boundaries.

Orange highlight indicates drilling activities occurred within the 100 ft buffer zone of state-mapped wetlands boundaries (Class 1), but within park-maintained roadways, lawns, or asphalt lots.

Table 2-2. Phase III Soil and Liquid IDW Results
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Analysis	Method	Toxicity Characteristic Regulatory Level	Units	Soil IDW		Liquid IDW	
				IDW-ST061617-01 (Roll-off)	IDW-ST061617-02 (Drums)	IDW-WW062717-01 (Poly Tank)	IDW-WW062717-02 (Drums)
Reactivity, Corrosivity, Ignitability, pH							
Temperature of pH	EPA 170.1	N.A.	°C	19.20	20.30	22.4	23.8
pH	SM 4500-H+ B-20(	2 ≤ pH ≤ 12.5	Std. Units	11.6 J	8.22	7.5	6.8
Flash Point	SW-846 1010A	N.A.	Degrees F	No Flash Observed	No Flash Observed	No Flash Observed	No Flash Observed
Moisture	SM 2540 G-1997	N.A.	N.A.	5.2	15.7	not analyzed	not analyzed
Ignitability	40 CFR 261.21	N.A.	N.A.	Sample did not spontaneouly ignite	Sample did not spontaneouly ignite	not analyzed	not analyzed
TCLP: RCRA Metals, ICP/OES							
Arsenic	SW-846 6010C	5	mg/l	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Barium	SW-846 6010C	100	mg/l	0.253	0.465	0.0765	0.176
Cadmium	SW-846 6010C	1.0	mg/l	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Chromium	SW-846 6010C	5	mg/l	0.0034 J	< 0.0075	0.010 J	< 0.0075
Lead	SW-846 6010C	5	mg/l	< 0.0150	< 0.0150	0.0159 J	< 0.0150
Selenium	SW-846 6010C	1.0	mg/l	< 0.0200	0.0112 J	< 0.0200	< 0.0200
Silver	SW-846 6010C	5	mg/l	< 0.0050	< 0.0050	< 0.0050	< 0.0050
TCLP: RCRA Metals, Mercury							
Mercury	SW-846 7470A	0.2	mg/l	< 0.00010	< 0.00010	<0.00010	<0.00010
TCLP: RCRA SVOCs							
1,4-Dichlorobenzene	SW-846 8270D	7.5	mg/l	< 0.005	< 0.005	< 0.005	< 0.005
2,4-Dinitrotoluene	SW-846 8270D	0.13	mg/l	< 0.010	< 0.010	< 0.010	< 0.010
Hexachlorobenzene	SW-846 8270D	0.13	mg/l	< 0.001	< 0.001	< 0.001	< 0.001
Hexachlorobutadiene	SW-846 8270D	0.5	mg/l	< 0.005	< 0.005	< 0.005	< 0.005
Hexachloroethane	SW-846 8270D	3.0	mg/l	< 0.010	< 0.010	< 0.010	< 0.010
2-Methylphenol	SW-846 8270D	200	mg/l	< 0.005	< 0.005	< 0.005	< 0.005
4-Methylphenol	SW-846 8270D	200.0	mg/l	< 0.005	< 0.005	< 0.005	< 0.005
Nitrobenzene	SW-846 8270D	2	mg/l	< 0.005	< 0.005	< 0.005	< 0.005
Pentachlorophenol	SW-846 8270D	100	mg/l	< 0.010	< 0.010	< 0.010	< 0.010
Pyridine	SW-846 8270D	25.0	mg/l	< 0.020	< 0.020	< 0.020	< 0.020
2,4,5-Trichlorophenol	SW-846 8270D	400	mg/l	< 0.005	< 0.005	< 0.005	< 0.005
2,4,6-Trichlorophenol	SW-846 8270D	2.0	mg/l	< 0.005	< 0.005	< 0.005	< 0.005
TCLP: RCRA VOCs							
Benzene	SW-846 8260C	500	ug/l	< 20	< 20	< 5	< 1
2-Butanone	SW-846 8260C	200000	ug/l	< 160	< 160	< 40	< 8
Carbon Tetrachloride	SW-846 8260C	500	ug/l	< 20	< 20	< 5	< 1
Chlorobenzene	SW-846 8260C	100000	ug/l	< 20	< 20	< 5	< 1
Chloroform	SW-846 8260C	6000	ug/l	< 20	< 20	< 5	< 1
1,2-Dichloroethane	SW-846 8260C	500	ug/l	< 20	< 20	< 5	< 1
1,1-Dichloroethene	SW-846 8260C	700	ug/l	< 20	< 20	< 5	< 1
Tetrachloroethene	SW-846 8260C	700	ug/l	< 20	< 20	< 5	2
Trichloroethene	SW-846 8260C	500	ug/l	< 20	< 20	< 5	< 1
Vinyl Chloride	SW-846 8260C	200	ug/l	< 20	< 20	< 5	< 1

Notes
Preliminary data has not been validated.
J = Estimated value
N.A. = Not applicable

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Table 4-1. Sitewide Monitoring Well Network Construction Information and Rationale
Camp Hero Remedial Investigation
Montauk, New York

Well ID	Nearby DU/AOC	Northing	Easting	Elevation - Ground Surface (ft amsl)	Elevation - Top of Casing (ft amsl)	Total Well Depth (ft btoc)	Screen Length (ft)	Top of Screen (ft btoc)	Bottom of Screen (ft btoc)	Date Installed	Construction Type	Monitoring Well Rationale
CH-MW001	Background	335505.85	1569044.66	38.92	41.52	22.75	15	7.75	22.75	12/6/2016	Stick-Up	To obtain site-specific background groundwater data for calculation of BTVs.
CH-MW002	Background	335054.09	1569043.90	38.75	42.35	33.48	15	18.48	33.48	12/5/2016	Stick-Up	To obtain site-specific background groundwater data for calculation of BTVs.
CH-MW003	Background	334838.99	1569050.05	34.39	37.30	33.00	15	18.00	33.00	12/5/2016	Stick-Up	To obtain site-specific background groundwater data for calculation of BTVs.
CH-MW004	Background	334385.29	1569185.12	54.40	57.02	35.11	15	20.11	35.11	12/6/2016	Stick-Up	To obtain site-specific background groundwater data for calculation of BTVs.
CH-MW005	Background	336287.52	1571273.38	67.00	70.17	32.90	15	17.90	32.90	12/7/2016	Stick-Up	To obtain site-specific background groundwater data for calculation of BTVs.
CH-MW006	Background	336021.34	1571547.03	60.93	64.50	32.40	15	17.40	32.40	12/7/2016	Stick-Up	To obtain site-specific background groundwater data for calculation of BTVs.
CH-MW007	Background	335781.67	1573852.32	60.78	60.55	30.93	15	15.93	30.93	12/6/2016	Flushmount	To obtain site-specific background groundwater data for calculation of BTVs.
CH-MW008	Background	335891.30	1571897.78	56.47	59.20	19.85	10	9.85	19.85	12/7/2016	Stick-Up	To obtain site-specific background groundwater data for calculation of BTVs.
CH-MW009	Background	335088.47	1572872.11	55.44	58.54	22.65	15	7.65	22.65	12/7/2016	Stick-Up	To obtain site-specific background groundwater data for calculation of BTVs.
CH-MW010	Background	335687.67	1571269.69	64.76	67.41	27.63	15	12.63	27.63	12/7/2016	Stick-Up	To obtain site-specific background groundwater data for calculation of BTVs.
CH-MW011	Background	333753.93	1570930.01	82.40	82.06	25.00	15	10.00	25.00	12/6/2016	Flushmount	To obtain site-specific background groundwater data for calculation of BTVs.
CH-MW012	Background	335301.11	1571415.71	70.15	72.80	32.15	15	17.15	32.15	12/7/2016	Stick-Up	To obtain site-specific background groundwater data for calculation of BTVs.
CH-MW013	Background	334759.04	1569949.41	58.01	60.85	32.99	15	17.99	32.99	12/5/2016	Stick-Up	To obtain site-specific background groundwater data for calculation of BTVs.
CH-MW014	Background	334249.17	1570186.32	61.32	60.94	30.07	15	15.07	30.07	12/5/2016	Flushmount	To obtain site-specific background groundwater data for calculation of BTVs.
CH-MW015	Background	333545.23	1570005.00	73.97	73.62	40.10	15	25.10	40.10	12/6/2016	Flushmount	To obtain site-specific background groundwater data for calculation of BTVs.
CH-MW016	DU01	333368.24	1570264.18	80.72	83.47	30.50	15	15.50	30.50	12/8/2016	Stick-Up	To assess groundwater associated with the LNAPL/petroleum impacts at DU01.
CH-MW017	DU01	333325.2	1570232.04	81.38	84.32	31.84	15	16.84	31.84	12/8/2016	Stick-Up	To assess groundwater associated with the LNAPL/petroleum impacts at DU01.
CH-MW018	DU01	333285.04	1570126.68	57.88	61.44	15.85	10	5.85	15.85	12/8/2016	Stick-Up	To assess groundwater associated with the LNAPL/petroleum impacts at DU01.
CH-MW019	DU01	333218.24	1570236.7	86.06	88.63	22.65	15	7.65	22.65	12/8/2016	Stick-Up	To assess groundwater associated with the LNAPL/petroleum impacts at DU01.
CH-MW020	DU01	333303.73	1570356.67	93.71	96.84	25.70	15	10.70	25.70	12/8/2016	Stick-Up	To assess groundwater associated with the LNAPL/petroleum impacts at DU01.
CH-MW021	DU01	333245.57	1570330.06	92.24	95.01	18.00	10	8.00	18.00	12/7/2016	Stick-Up	To assess groundwater associated with the LNAPL/petroleum impacts at DU01.
CH-MW022	DU01	333417.61	1570303.45	86.62	88.53	18.72	10	8.72	18.72	6/8/2017	Stick-up	To assess groundwater associated with LNAPL/petroleum impacts west of Building 203.
CH-MW023	DU01, AST35/FPH	333371.08	1570058.14	58.06	60.67	26.80	15	11.80	26.80	6/8/2017	Stick-up	To assess groundwater associated with LNAPL/petroleum impacts west of Building 203 (DU01) and in the vicinity of AST35/FPH.
CH-MW024	AST35/FPH	333430.74	1570158.61	64.27	66.85	17.84	10	7.84	17.84	6/12/2017	Stick-up	To assess groundwater in the vicinity of observed potential petroleum impacts of the AST35/FPH area.
CH-MW025	AST35/FPH	333494.49	1570093.15	71.62	74.47	21.10	10	11.10	21.10	6/7/2017	Stick-Up	To assess groundwater downgradient of the AST35/FPH area and upgradient of potential discharge swale.
CH-MW026	STB	334577.01	1570062.52	60.92	60.54	19.04	10	9.04	19.04	6/5/2017	Flushmount	To assess groundwater in the vicinity of a suspected former tank.
CH-MW027	STB	334683.52	1570053.51	58.62	58.26	28.65	10	18.65	28.65	6/5/2017	Flushmount	To assess groundwater in the vicinity of a suspected former tank.
CH-MW028	STB	334648.08	1570092.46	57.48	57.27	28.58	10	18.58	28.58	6/5/2017	Flushmount	To assess groundwater in the vicinity of a suspected former tank.
CH-MW029	DU17	335299.94	1571863.82	49.96	52.26	20.93	10	10.93	20.93	6/6/2017	Stick-up	To assess groundwater conditions sitewide and in the vicinity of DU17.
CH-MW030	DU12	335186.68	1572153.12	49.21	48.7	20.36	10	10.36	20.36	6/6/2017	Flushmount	To assess groundwater conditions sitewide and in the vicinity of DU12.
CH-MW031	DU14	335162.74	1572582.2	44.09	46.18	20.30	10	10.30	20.30	6/7/2017	Stick-Up	To assess groundwater conditions sitewide and in the vicinity of DU14.
CH-MW032	DU11	334983.85	1571877	57.24	59.52	27.77	15	12.77	27.77	6/62017	Stick-up	To assess groundwater conditions sitewide and in the vicinity of DU11.
CH-MW033	DU11	335094.12	1572040.34	48.09	50.67	32.25	15	17.25	32.25	6/6/207	Stick-up	To assess groundwater conditions sitewide and in the vicinity of DU11.
CH-MW034	DU13	334976.61	1572441.93	48.88	51.9	35.66	15	20.66	35.66	6/6/2017	Stick-Up	To assess groundwater conditions sitewide and in the vicinity of DU13.
CH-MW035	DU13	335017.74	1572552.84	42.04	44.89	32.86	15	17.86	32.86	6/6/2017	Stick-Up	To assess groundwater conditions sitewide and in the vicinity of DU13.
CH-MW036	DU08	333731.05	1572712.77	17.96	17.62	15.23	10	5.23	15.23	6/9/2017	Flushmount	To assess groundwater conditions sitewide and in the vicinity of DU08.
CH-MW037	DU08	333765.49	1572787.73	18.81	18.51	14.85	10	4.85	14.85	6/9/2017	Flushmount	To assess groundwater conditions sitewide and in the vicinity of DU08.
CH-MW038	DU07	335849.6	1571322.74	63.69	66.29	22.24	10	12.24	22.24	6/7/2017	Stick-up	To assess groundwater conditions sitewide and in the vicinity of DU07.
CH-MW039	DU15	335245.64	1571284.76	66.23	68.17	17.72	10	7.72	17.72	6/7/2017	Stick-up	To assess groundwater conditions sitewide and in the vicinity of DU15. PCBs were previously detected in a grab groundwater sample from a temporary monitoring well.
CH-MW040	DU15	335364.55	1571217.43	71.49	74.86	18.46	10	8.46	18.46	6/12/2017	Stick-up	To assess groundwater conditions sitewide and in the vicinity of DU15. PCBs were previously detected in a grab groundwater sample from a temporary monitoring well.
CH-MW041	DU06	334116.96	1570083.34	59.58	62.31	28.50	10	18.50	28.50	6/5/2017	Stick-Up	To assess groundwater conditions sitewide and in the vicinity of DU06.
CH-MW042	DU06	334148.51	1570133.61	61.10	60.83	31.78	10	21.78	31.78	6/5/2017	Flushmount	To assess groundwater conditions sitewide and in the vicinity of DU06.
CH-MW043	MP	334981.92	1571822.3	56.90	56.48	19.44	10	9.44	19.44	6/6/2017	Flushmount	To assess groundwater in the vicinity of observed potential petroleum impacts near the Motor Pool hydraulic lift.

Notes
Northing, easting, and elevation data collected in New York State Plane Coordinate System, Long Island Zone 3104
Horizontal - North American Datum (NAD 83)
Vertical - North American Vertical Datum (NAVD 88)

amsl	above mean sea level
AOC	Area of Concern
btoc	below top of casing
DU	Decision Unit
ft	feet
ID	Identification
toc	top of casing

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Table 4-2. Sitewide Groundwater Elevations, June 2017
Camp Hero Remedial Investigation
Montauk, New York

Well ID	Nearby DU/AOC	Elevation - Top of Casing (ft amsl)	Depth to Water (btoc)	Groundwater Elevation (ft amsl)
CH-MW016	DU01	83.47	21.09	62.38
CH-MW017	DU01	84.32	21.35	62.97
CH-MW018	DU01	61.44	6.42	55.02
CH-MW019	DU01	88.63	14.26	74.37
CH-MW020	DU01	96.84	7.44	89.4
CH-MW021	DU01	95.01	11.92	83.09
CH-MW022	DU01	88.53	11.4	77.13
CH-MW023	DU01, AST35/FPH	60.67	8.45	52.22
CH-MW024	AST35/FPH	66.85	8.11	58.74
CH-MW025	AST35/FPH	74.47	9.29	65.18
CH-MW026	STB	60.54	7.87	52.67
CH-MW027	STB	58.26	8.01	50.25
CH-MW028	STB	57.27	7.6	49.67
CH-MW029	DU17	52.26	7.58	44.68
CH-MW030	DU12	48.7	5.64	43.06
CH-MW031	DU14	46.18	13.99	32.19
CH-MW032	DU11	59.52	11.49	48.03
CH-MW033	DU11	50.67	6.72	43.95
CH-MW034	DU13	51.9	28.7	23.2
CH-MW035	DU13	44.89	27.26	17.63
CH-MW036	DU08	17.62	5.1	12.52
CH-MW037	DU08	18.51	5.3	13.21
CH-MW038	DU07	66.29	8.36	57.93
CH-MW039	DU15	68.17	5.33	62.84
CH-MW040	DU15	74.86	11.4	63.46
CH-MW041	DU06	62.31	6.4	55.91
CH-MW042	DU06	60.83	9.39	51.44
CH-MW043	MP	56.48	7.29	49.19

Notes
Depths to groundwater collected in June 2017

Acronyms

amsl	above mean sea level
AOC	Area of Concern
btoc	below top of casing
DU	Decision Unit
ft	feet
ID	Identification
toc	top of casing

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Table 4-3
Summary of Phase III Groundwater Analytical Samples
Camp Hero Remedial Investigation
Montauk, New York

Location ID	Nearby DU(s)/AOC(s)	Investigation Method	Media	Target Depth	Target Field Parameters					Field Sample ID	Target Laboratory Parameters						QC Samples		Comments/Deviations from SAP
					Well Head PID	LNAPL Thickness	Hydraulic Conduct-ivity	pH, ORP, spCond, DO, Turb	Fe^{3+} Total and Dissolved		VOCs	SVOCs Total and Dissolved	PCBs Total and Dissolved	Metals Total and Dissolved	Cr^{6+} Total and Dissolved	MNA	FD	MS/MSD	
CH-MW016	DU01	Low-Flow	Groundwater	Mid-screen	X		X	X	X	CH-MW016-02	X	X		X	X	X		MS/MSD	MNA parameters collected to assess the potential for MNA, specific chemical oxidation states, and fate and transport properties.
CH-MW017	DU01	Gauge	Groundwater	Mid-screen		X				N/A									LNAPL present in well; groundwater sample not collected. LNAPL thickness measured.
CH-MW018	DU01	Low-Flow	Groundwater	Mid-screen	X		X	X		CH-MW018-02	X	X		X			FD		
CH-MW019	DU01	Low-Flow	Groundwater	Mid-screen	X		X	X		CH-MW019-02	X	X		X					
CH-MW020	DU01	Low-Flow	Groundwater	Mid-screen	X		X	X	X	CH-MW020-02	X	X		X		X			MNA parameters collected to assess the potential for MNA, specific chemical oxidation states, and fate and transport properties.
CH-MW021	DU01	Low-Flow	Groundwater	Mid-screen	X		X	X		CH-MW021-02	X	X		X					Grab groundwater sample collected; insufficient groundwater present for low-flow sampling.
CH-MW022	DU01	Low-Flow	Groundwater	Mid-screen	X			X		CH-MW022-02	X	X		X			FD		
CH-MW023	DU01, AST35/FPH	Low-Flow	Groundwater	Mid-screen	X			X		CH-MW023-02	X	X		X					
CH-MW024	AST35/FPH	Low-Flow	Groundwater	Mid-screen	X			X	X	CH-MW024-02	X	X		X		X			MNA parameters collected to assess the potential for MNA, specific chemical oxidation states, and fate and transport properties.
CH-MW025	AST35/FPH	Low-Flow	Groundwater	Mid-screen	X			X		CH-MW025-02	X	X		X					
CH-MW026	STB	Low-Flow	Groundwater	Mid-screen	X			X	X	CH-MW026-02	X	X		X		X			MNA parameters collected to assess the potential for MNA, specific chemical oxidation states, and fate and transport properties.
CH-MW027	STB	Low-Flow	Groundwater	Mid-screen	X			X		CH-MW027-02	X	X		X					
CH-MW028	STB	Low-Flow	Groundwater	Mid-screen	X			X		CH-MW028-02	X	X		X					
CH-MW029	DU17	Low-Flow	Groundwater	Mid-screen	X			X		CH-MW029-02		X		X					
CH-MW030	DU12	Low-Flow	Groundwater	Mid-screen	X			X		CH-MW030-02		X		X					
CH-MW031	DU14	Low-Flow	Groundwater	Mid-screen	X			X		CH-MW031-02		X		X					
CH-MW032	DU11	Low-Flow	Groundwater	Mid-screen	X			X		CH-MW032-02	X	X		X					VOC analysis added due to elevated well head PID reading.
CH-MW033	DU11	Low-Flow	Groundwater	Mid-screen	X			X		CH-MW033-02	X	X		X					VOC analysis added due to elevated well head PID reading.
CH-MW034	DU13	Low-Flow	Groundwater	Mid-screen	X			X		CH-MW034-02		X		X					
CH-MW035	DU13	Low-Flow	Groundwater	Mid-screen	X			X		CH-MW035-02		X		X					
CH-MW036	DU08	Low-Flow	Groundwater	Mid-screen	X			X		CH-MW036-02		X		X					
CH-MW037	DU08	Low-Flow	Groundwater	Mid-screen	X			X	X	CH-MW037-02		X		X	X	X	FD		MNA parameters collected to assess the potential for MNA, specific chemical oxidation states, and fate and transport properties.
CH-MW038	DU07	Low-Flow	Groundwater	Mid-screen	X			X		CH-MW038-02		X		X	X				
CH-MW039	DU15	Low-Flow	Groundwater	Mid-screen	X			X		CH-MW039-02		X		X				MS/MSD	Well relocated from vicinity of DU07 to DU15 (refer to Section 2.3 for details)
CH-MW040	DU15	Low-Flow	Groundwater	Mid-screen	X			X		CH-MW040-02		X	X	X			FD		
CH-MW041	DU06	Low-Flow	Groundwater	Mid-screen	X			X		CH-MW041-02		X		X					
CH-MW042	DU06	Low-Flow	Groundwater	Mid-screen	X			X		CH-MW042-02		X		X					
CH-MW043	MP	Low-Flow	Groundwater	Mid-screen	X			X	X	CH-MW043-02	X	X		X		X			MNA parameters collected to assess the potential for MNA, specific chemical oxidation states, and fate and transport properties.

Notes:
Total (unfiltered) and dissolved (field-filtered) samples were collected for SVOCs, PCBs, Metals, Cr^{6+}, and Fe^{3+}. Filtered samples are not appropriate for VOCs.
MNA parameters analyzed in 10% of groundwater samples. MNA parameters consisted of biochemical oxygen demand, total oxygen demand, total organic carbon, ferrous iron (field analysis), chlorides, sulfates and sulfides, nitrates and nitrites, alkalinity, methane, ethane, and ethene.
Cr^{6+} was analyzed in 10% of samples analyzed for TAL metals, along with pH and ORP to validate the analytical results relative to field conditions.

VOCs - Specific parameters from TCL based on preliminary screening evaluation results, plus NYSDEC STARs list
SVOCs - Selected TCL SVOCs based on preliminary screening evaluation, plus NYSDEC STARs list (includes full TCL PAHs plus NYSDEC STARs list)
Metals - Full TAL metals, including mercury
MNA - Monitored natural attenuation parameters to support the FS
LNAPL - Light Non-aqueous Phase Liquid
ORP - Oxidation-Reduction Potential
SpCond - Specific Conductivity
DO - Dissolved Oxygen
Turb - Turbidity

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Table 4-4
Summary of Phase III Surface Water and Sediment Analytical Samples
Camp Hero Remedial Investigation
Montauk, New York

Location ID	Investigation Method	Media	Target Depth	Field Parameters	Field Sample ID	Target Laboratory Parameters							Filtered Sample	QC Samples		Exposure Area	Comments/Deviations from the SAP
				pH, ORP, spCond, DO, Turb		SVOCs	PCBs	Metals	Cr^{6+}	GeoChem (pH/ORP)	TOC	Hard-ness		FD	MS/MSD		
CH-SWSD001	SW	Surface Water	N/A	X	CH-SWSD001-SW01	X		X	X			X				N/A (Background - Not Revetted)	
CH-SWSD001	SE	Sediment	0-0.5'		CH-SWSD001-SE01	X		X	X	X	X					N/A (Background - Not Revetted)	
CH-SWSD002	SW	Surface Water	N/A	X	CH-SWSD002-SW01	X		X	X			X				N/A (Background - Not Revetted)	
CH-SWSD002	SE	Sediment	0-0.5'		CH-SWSD002-SE01	X		X	X	X	X					N/A (Background - Not Revetted)	
CH-SWSD003	SW	Surface Water	N/A	X	CH-SWSD003-SW01	X		X	X			X				N/A (Background - Not Revetted)	
CH-SWSD003	SE	Sediment	0-0.5'		CH-SWSD003-SE01	X		X	X	X	X					N/A (Background - Not Revetted)	
CH-SWSD004	SW	Surface Water	N/A	X	CH-SWSD004-SW01	X		X	X			X				N/A (Background - Not Revetted)	
CH-SWSD004	SE	Sediment	0-0.5'		CH-SWSD004-SE01	X		X	X	X	X					N/A (Background - Not Revetted)	
CH-SWSD005	SW	Surface Water	N/A	X	CH-SWSD005-SW01	X		X	X			X				N/A (Background - Not Revetted)	
CH-SWSD005	SE	Sediment	0-0.5'		CH-SWSD005-SE01	X		X	X	X	X					N/A (Background - Not Revetted)	
CH-SWSD006	SW	Surface Water	N/A	X	CH-SWSD006-SW01	X		X	X			X				N/A (Background - Not Revetted)	
CH-SWSD006	SE	Sediment	0-0.5'		CH-SWSD006-SE01	X		X	X	X	X					N/A (Background - Not Revetted)	
CH-SWSD007	SW	Surface Water	N/A	X	CH-SWSD007-SW01	X		X	X			X				N/A (Background - Not Revetted)	
CH-SWSD007	SE	Sediment	0-0.5'		CH-SWSD007-SE01	X		X	X	X	X					N/A (Background - Not Revetted)	
CH-SWSD008	SW	Surface Water	N/A	X	CH-SWSD008-SW01	X		X	X			X				N/A (Background - Not Revetted)	
CH-SWSD008	SE	Sediment	0-0.5'		CH-SWSD008-SE01	X		X	X	X	X					N/A (Background - Not Revetted)	
CH-SWSD009	SW	Surface Water	N/A	X	CH-SWSD009-SW01	X		X	X			X				N/A (Background - Not Revetted)	
CH-SWSD009	SE	Sediment	0-0.5'		CH-SWSD009-SE01	X		X	X	X	X					N/A (Background - Not Revetted)	
CH-SWSD010	SW	Surface Water	N/A	X	CH-SWSD010-SW01	X		X	X			X				N/A (Background - Not Revetted)	
CH-SWSD010	SE	Sediment	0-0.5'		CH-SWSD010-SE01	X		X	X	X	X			FD		N/A (Background - Not Revetted)	
CH-SWSD011	SW	Surface Water	N/A	X	CH-SWSD011-SW01	X		X	X			X				N/A (Background - Not Revetted)	
CH-SWSD011	SE	Sediment	0-0.5'		CH-SWSD011-SE01	X		X	X	X	X					N/A (Background - Not Revetted)	
CH-SWSD012	SW	Surface Water	N/A	X	CH-SWSD012-SW01	X		X	X			X				N/A (Background - Not Revetted)	
CH-SWSD012	SE	Sediment	0-0.5'		CH-SWSD012-SE01	X		X	X	X	X					N/A (Background - Not Revetted)	
CH-SWSD013	SW	Surface Water	N/A	X	CH-SWSD013-SW01	X		X	X			X				N/A (Background - Not Revetted)	
CH-SWSD013	SE	Sediment	0-0.5'		CH-SWSD013-SE01	X		X	X	X	X					N/A (Background - Not Revetted)	
CH-SWSD014	SW	Surface Water	N/A	X	CH-SWSD014-SW01	X		X	X			X				N/A (Background - Not Revetted)	
CH-SWSD014	SE	Sediment	0-0.5'		CH-SWSD014-SE01	X		X	X	X	X					N/A (Background - Not Revetted)	
CH-SWSD015	SW	Surface Water	N/A	X	CH-SWSD015-SW01	X		X	X			X				N/A (Background - Not Revetted)	
CH-SWSD015	SE	Sediment	0-0.5'		CH-SWSD015-SE01	X		X	X	X	X					N/A (Background - Not Revetted)	
CH-SWSD016	SW	Surface Water	N/A	X	CH-SWSD016-SW01	X		X	X			X				N/A (Background - Revetted)	
CH-SWSD016	SE	Sediment	0-0.5'		CH-SWSD016-SE01	X		X	X	X	X					N/A (Background - Revetted)	
CH-SWSD017	SW	Surface Water	N/A	X	CH-SWSD017-SW01	X		X	X			X				N/A (Background - Revetted)	
CH-SWSD017	SE	Sediment	0-0.5'		CH-SWSD017-SE01	X		X	X	X	X					N/A (Background - Revetted)	
CH-SWSD018	SW	Surface Water	N/A	X	CH-SWSD018-SW01	X		X	X			X				N/A (Background - Revetted)	
CH-SWSD018	SE	Sediment	0-0.5'		CH-SWSD018-SE01	X		X	X	X	X					N/A (Background - Revetted)	
CH-SWSD019	SW	Surface Water	N/A	X	CH-SWSD019-SW01	X		X	X			X				N/A (Background - Revetted)	
CH-SWSD019	SE	Sediment	0-0.5'		CH-SWSD019-SE01	X		X	X	X	X					N/A (Background - Revetted)	
CH-SWSD020	SW	Surface Water	N/A	X	CH-SWSD020-SW01	X		X	X			X				N/A (Background - Revetted)	
CH-SWSD020	SE	Sediment	0-0.5'		CH-SWSD020-SE01	X		X	X	X	X				MS/MSD	N/A (Background - Revetted)	
CH-SWSD021	SW	Surface Water	N/A	X	CH-SWSD021-SW01	X		X	X			X				N/A (Background - Revetted)	
CH-SWSD021	SE	Sediment	0-0.5'		CH-SWSD021-SE01	X		X	X	X	X					N/A (Background - Revetted)	
CH-SWSD022	SW	Surface Water	N/A	X	CH-SWSD022-SW01	X		X	X			X				N/A (Background - Revetted)	
CH-SWSD022	SE	Sediment	0-0.5'		CH-SWSD022-SE01	X		X	X	X	X					N/A (Background - Revetted)	
CH-SWSD023	SW	Surface Water	N/A	X	CH-SWSD023-SW01	X		X	X			X				N/A (Background - Revetted)	
CH-SWSD023	SE	Sediment	0-0.5'		CH-SWSD023-SE01	X		X	X	X	X					N/A (Background - Revetted)	
CH-SWSD024	SW	Surface Water	N/A	X	CH-SWSD024-SW01	X		X	X			X				N/A (Background - Revetted)	
CH-SWSD024	SE	Sediment	0-0.5'		CH-SWSD024-SE01	X		X	X	X	X					N/A (Background - Revetted)	
CH-SWSD025	SW	Surface Water	N/A	X	CH-SWSD025-SW01	X		X	X			X				N/A (Background - Revetted)	
CH-SWSD025	SE	Sediment	0-0.5'		CH-SWSD025-SE01	X		X	X	X	X					N/A (Background - Revetted)	
CH-SWSD026	SW	Surface Water	N/A	X	CH-SWSD026-SW01	X		X	X			X				N/A (Background - Revetted)	
CH-SWSD026	SE	Sediment	0-0.5'		CH-SWSD026-SE01	X		X	X	X	X					N/A (Background - Revetted)	
CH-SWSD027	SW	Surface Water	N/A	X	CH-SWSD027-SW01	X		X	X			X				N/A (Background - Revetted)	
CH-SWSD027	SE	Sediment	0-0.5'		CH-SWSD027-SE01	X		X	X	X	X					N/A (Background - Revetted)	
CH-SWSD028	SW	Surface Water	N/A	X	CH-SWSD028-SW01	X		X	X			X				N/A (Background - Revetted)	
CH-SWSD028	SE	Sediment	0-0.5'		CH-SWSD028-SE01	X		X	X	X	X					N/A (Background - Revetted)	
CH-SWSD029	SW	Surface Water	N/A	X	CH-SWSD029-SW01	X		X	X			X				N/A (Background - Revetted)	
CH-SWSD029	SE	Sediment	0-0.5'		CH-SWSD029-SE01	X		X	X	X	X					N/A (Background - Revetted)	
CH-SWSD030	SW	Surface Water	N/A	X	CH-SWSD030-SW01	X		X	X			X				N/A (Background - Revetted)	
CH-SWSD030	SE	Sediment	0-0.5'		CH-SWSD030-SE01	X		X	X	X	X			FD		N/A (Background - Revetted)	

Notes:
All surface water samples evaluated for hardness; all sediment samples evaluated for TOC.
Cr^{6+} will be analyzed in 10% of samples analyzed for TAL metals, along with pH and ORP to validate the analytical results relative to field conditions.
Dissolved (field-filtered) surface water samples collected for metals, SVOCs, and PCBs when Turbidity > 10 NTU
SW - Surface Water
SE - Sediment

DO - Dissolved Oxygen
GeoChem - Specific geochemical parameters to further evaluate the speciation of metals and to support the FS
Metals - Full TAL metals, including mercury
ORP - Oxidation-Reduction Potential
PCBs - Polychlorinated biphenyls
spCond - Specific Conductivity
SVOCs - Selected TCL SVOCs based on preliminary screening evaluation, plus NYSDEC STARs list (includes full TCL PAHs plus NYSDEC STARs list)
TOC - Total Organic Carbon
VOCs - Specific parameters from TCL based on preliminary screening evaluation results, plus NYSDEC STARs list

Table 4-4
Summary of Phase III Surface Water and Sediment Analytical Samples
Camp Hero Remedial Investigation
Montauk, New York

Location ID	Investigation Method	Media	Target Depth	Field Parameters	Field Sample ID	Target Laboratory Parameters							Filtered Sample	QC Samples		Exposure Area	Comments/Deviations from the SAP
				pH, ORP, spCond, DO, Turb		SVOCs	PCBs	Metals	Cr^{6+}	GeoChem (pH/ORP)	TOC	Hard-ness		FD	MS/MSD		
CH-SWSD031	SW	Surface Water	N/A	X	CH-SWSD031-SW01	X		X				X	X			Near DU07	Filtered surface water sample collected in addition to unfiltered sample because Turbidity > 10 NTU
CH-SWSD031	SE	Sediment	0-0.5'		CH-SWSD031-SE01	X		X			X					Near DU07	
CH-SWSD032	SW	Surface Water	N/A	X	CH-SWSD032-SW01	X		X				X	X			Near DU07	Filtered surface water sample collected in addition to unfiltered sample because Turbidity > 10 NTU
CH-SWSD032	SE	Sediment	0-0.5'		CH-SWSD032-SE01	X		X			X					Near DU07	
CH-SWSD033	SW	Surface Water	N/A	X	CH-SWSD033-SW01	X		X				X	X			Near DU07	Filtered surface water sample collected in addition to unfiltered sample because Turbidity > 10 NTU
CH-SWSD033	SE	Sediment	0-0.5'		CH-SWSD033-SE01	X		X			X					Near DU07	
CH-SWSD034	SW	Surface Water	N/A	X	CH-SWSD034-SW01	X		X				X				Near DU07	
CH-SWSD034	SE	Sediment	0-0.5'		CH-SWSD034-SE01	X		X			X					Near DU07	
CH-SWSD035	SW	Surface Water	N/A	X	CH-SWSD035-SW01	X		X				X	X	FD		Near DU07	Filtered surface water sample collected in addition to unfiltered sample because Turbidity > 10 NTU
CH-SWSD035	SE	Sediment	0-0.5'		CH-SWSD035-SE01	X		X			X			FD		Near DU07	
CH-SWSD036	SW	Surface Water	N/A	X	CH-SWSD036-SW01	X		X				X				Near DU07	
CH-SWSD036	SE	Sediment	0-0.5'		CH-SWSD036-SE01	X		X			X					Near DU07	
CH-SWSD037	SW	Surface Water	N/A	X	CH-SWSD037-SW01	X		X				X				Near DU07	
CH-SWSD037	SE	Sediment	0-0.5'		CH-SWSD037-SE01	X		X			X					Near DU07	
CH-SWSD038	SW	Surface Water	N/A	X	CH-SWSD038-SW01	X		X				X				Near DU07	
CH-SWSD038	SE	Sediment	0-0.5'		CH-SWSD038-SE01	X		X			X					Near DU07	
CH-SWSD039	SW	Surface Water	N/A	X	CH-SWSD039-SW01	X		X				X				Near DU07	
CH-SWSD039	SE	Sediment	0-0.5'		CH-SWSD039-SE01	X		X			X					Near DU07	
CH-SWSD040	SW	Surface Water	N/A	X	CH-SWSD040-SW01	X		X	X			X		FD		Near DU07	
CH-SWSD040	SE	Sediment	0-0.5'		CH-SWSD040-SE01	X		X	X	X	X					Near DU07	
CH-SWSD041	SW	Surface Water	N/A	X	CH-SWSD041-SW01	X		X				X				Near DU07	
CH-SWSD041	SE	Sediment	0-0.5'		CH-SWSD041-SE01	X		X			X					Near DU07	
CH-SWSD042	SW	Surface Water	N/A	X	CH-SWSD042-SW01	X		X				X				Near DU07	
CH-SWSD042	SE	Sediment	0-0.5'		CH-SWSD042-SE01	X		X			X					Near DU07	
CH-SWSD043	SW	Surface Water	N/A	X	CH-SWSD043-SW01	X		X				X				Near DU07	
CH-SWSD043	SE	Sediment	0-0.5'		CH-SWSD043-SE01	X		X			X					Near DU07	
CH-SWSD044	SW	Surface Water	N/A	X	CH-SWSD044-SW01	X		X				X				Near DU07	
CH-SWSD044	SE	Sediment	0-0.5'		CH-SWSD044-SE01	X		X			X					Near DU07	
CH-SWSD045	SW	Surface Water	N/A	X	CH-SWSD045-SW01	X		X				X		FD		Near DU07	
CH-SWSD045	SE	Sediment	0-0.5'		CH-SWSD045-SE01	X		X			X			FD		Near DU07	
CH-SWSD046	SW	Surface Water	N/A	X	CH-SWSD046-SW01	X		X				X				Near DU11, DU12, DU17	
CH-SWSD046	SE	Sediment	0-0.5'		CH-SWSD046-SE01	X		X			X					Near DU11, DU12, DU17	
CH-SWSD047	SW	Surface Water	N/A	X	CH-SWSD047-SW01	X		X				X				Near DU11, DU12, DU17	
CH-SWSD047	SE	Sediment	0-0.5'		CH-SWSD047-SE01	X		X			X					Near DU11, DU12, DU17	
CH-SWSD048	SW	Surface Water	N/A	X	CH-SWSD048-SW01	X		X				X				Near DU11, DU12, DU17	
CH-SWSD048	SE	Sediment	0-0.5'		CH-SWSD048-SE01	X		X			X					Near DU11, DU12, DU17	
CH-SWSD049	SW	Surface Water	N/A	X	CH-SWSD049-SW01	X		X				X				Near DU11, DU12, DU17	
CH-SWSD049	SE	Sediment	0-0.5'		CH-SWSD049-SE01	X		X			X					Near DU11, DU12, DU17	
CH-SWSD050	SW	Surface Water	N/A	X	CH-SWSD050-SW01	X		X	X			X			MS/MSD	Near DU11, DU12, DU17	
CH-SWSD050	SE	Sediment	0-0.5'		CH-SWSD050-SE01	X		X	X	X	X			FD		Near DU11, DU12, DU17	
CH-SWSD051	SW	Surface Water	N/A	X	CH-SWSD051-SW01	X		X				X				Near DU11, DU12, DU17	
CH-SWSD051	SE	Sediment	0-0.5'		CH-SWSD051-SE01	X		X			X					Near DU11, DU12, DU17	
CH-SWSD052	SW	Surface Water	N/A	X	CH-SWSD052-SW01	X		X				X				Near DU11, DU12, DU17	
CH-SWSD052	SE	Sediment	0-0.5'		CH-SWSD052-SE01	X		X			X					Near DU11, DU12, DU17	
CH-SWSD053	SW	Surface Water	N/A	X	CH-SWSD053-SW01	X		X				X				Near DU11, DU12, DU17	
CH-SWSD053	SE	Sediment	0-0.5'		CH-SWSD053-SE01	X		X			X					Near DU11, DU12, DU17	
CH-SWSD054	SW	Surface Water	N/A	X	CH-SWSD054-SW01	X		X				X				Near DU11, DU12, DU17	
CH-SWSD054	SE	Sediment	0-0.5'		CH-SWSD054-SE01	X		X			X					Near DU11, DU12, DU17	
CH-SWSD055	SW	Surface Water	N/A	X	CH-SWSD055-SW01	X		X				X		FD		Near DU11, DU12, DU17	
CH-SWSD055	SE	Sediment	0-0.5'		CH-SWSD055-SE01	X		X			X			FD		Near DU11, DU12, DU17	
CH-SWSD056	SW	Surface Water	N/A	X	CH-SWSD056-SW01	X		X				X				Near DU11, DU12, DU17	
CH-SWSD056	SE	Sediment	0-0.5'		CH-SWSD056-SE01	X		X			X					Near DU11, DU12, DU17	
CH-SWSD057	SW	Surface Water	N/A	X	CH-SWSD057-SW01	X		X				X				Near DU11, DU12, DU17	
CH-SWSD057	SE	Sediment	0-0.5'		CH-SWSD057-SE01	X		X			X					Near DU11, DU12, DU17	
CH-SWSD058	SW	Surface Water	N/A	X	CH-SWSD058-SW01	X		X				X				Near DU11, DU12, DU17	
CH-SWSD058	SE	Sediment	0-0.5'		CH-SWSD058-SE01	X		X			X					Near DU11, DU12, DU17	
CH-SWSD059	SW	Surface Water	N/A	X	CH-SWSD059-SW01	X		X				X				Near DU11, DU12, DU17	
CH-SWSD059	SE	Sediment	0-0.5'		CH-SWSD059-SE01	X		X			X					Near DU11, DU12, DU17	
CH-SWSD060	SW	Surface Water	N/A	X	CH-SWSD060-SW01	X		X	X			X		FD		Near DU11, DU12, DU17	
CH-SWSD060	SE	Sediment	0-0.5'		CH-SWSD060-SE01	X		X	X	X	X				MS/MSD	Near DU11, DU12, DU17	

Notes:
All surface water samples evaluated for hardness; all sediment samples evaluated for TOC.
Cr^{6+} will be analyzed in 10% of samples analyzed for TAL metals, along with pH and ORP to validate the analytical results relative to field conditions.
Dissolved (field-filtered) surface water samples collected for metals, SVOCs, and PCBs when Turbidity > 10 NTU
SW - Surface Water
SE - Sediment

DO - Dissolved Oxygen
GeoChem - Specific geochemical parameters to further evaluate the speciation of metals and to support the FS
Metals - Full TAL metals, including mercury
ORP - Oxidation-Reduction Potential
PCBs - Polychlorinated biphenyls
spCond - Specific Conductivity
SVOCs - Selected TCL SVOCs based on preliminary screening evaluation, plus NYSDEC STARs list (includes full TCL PAHs plus NYSDEC STARs list)
TOC - Total Organic Carbon
VOCs - Specific parameters from TCL based on preliminary screening evaluation results, plus NYSDEC STARs list

Table 4-4
Summary of Phase III Surface Water and Sediment Analytical Samples
Camp Hero Remedial Investigation
Montauk, New York

Location ID	Investigation Method	Media	Target Depth	Field Parameters	Field Sample ID	Target Laboratory Parameters							Filtered Sample	QC Samples		Exposure Area	Comments/Deviations from the SAP
				pH, ORP, spCond, DO, Turb		SVOCs	PCBs	Metals	Cr^{6+}	GeoChem (pH/ORP)	TOC	Hard-ness		FD	MS/MSD		
CH-SWSD061	SW	Surface Water	N/A	X	CH-SWSD061-SW01	X		X				X				Near DU11, DU12, DU17	
CH-SWSD061	SE	Sediment	0-0.5'		CH-SWSD061-SE01	X		X			X					Near DU11, DU12, DU17	
CH-SWSD062	SW	Surface Water	N/A	X	CH-SWSD062-SW01	X		X				X				Near DU11, DU12, DU17	
CH-SWSD062	SE	Sediment	0-0.5'		CH-SWSD062-SE01	X		X			X					Near DU11, DU12, DU17	
CH-SWSD063	SW	Surface Water	N/A	X	CH-SWSD063-SW01	X		X				X			MS/MSD	Near DU11, DU12, DU17	
CH-SWSD063	SE	Sediment	0-0.5'		CH-SWSD063-SE01	X		X			X					Near DU11, DU12, DU17	
CH-SWSD064	SW	Surface Water	N/A	X	CH-SWSD064-SW01	X		X				X				Near DU11, DU12, DU17	
CH-SWSD064	SE	Sediment	0-0.5'		CH-SWSD064-SE01	X		X			X					Near DU11, DU12, DU17	
CH-SWSD065	SW	Surface Water	N/A	X	CH-SWSD065-SW01	X		X				X		FD		Near DU11, DU12, DU17	
CH-SWSD065	SE	Sediment	0-0.5'		CH-SWSD065-SE01	X		X			X			FD		Near DU11, DU12, DU17	
CH-SWSD066	SW	Surface Water	N/A	X	NA - DRY											Near DU10, DU11	No surface water sample collected because stream bed was dry at time of sampling.
CH-SWSD066	SE	Sediment	0-0.5'		CH-SWSD066-SE01	X		X			X					Near DU10, DU11	
CH-SWSD067	SW	Surface Water	N/A	X	CH-SWSD067-SW01	X		X				X	X			Near DU10, DU11	Filtered surface water sample collected in addition to unfiltered sample because Turbidity > 10 NTU
CH-SWSD067	SE	Sediment	0-0.5'		CH-SWSD067-SE01	X		X			X					Near DU10, DU11	
CH-SWSD068	SW	Surface Water	N/A	X	CH-SWSD068-SW01	X		X				X				Near DU10, DU11	
CH-SWSD068	SE	Sediment	0-0.5'		CH-SWSD068-SE01	X		X			X					Near DU10, DU11	
CH-SWSD069	SW	Surface Water	N/A	X	CH-SWSD069-SW01	X		X				X				Near DU10, DU11	
CH-SWSD069	SE	Sediment	0-0.5'		CH-SWSD069-SE01	X		X			X					Near DU10, DU11	
CH-SWSD070	SW	Surface Water	N/A	X	CH-SWSD070-SW01	X		X	X			X				Near DU10, DU11	
CH-SWSD070	SE	Sediment	0-0.5'		CH-SWSD070-SE01	X		X	X	X	X					Near DU10, DU11	
CH-SWSD071	SW	Surface Water	N/A	X	NA - DRY											Near DU10, DU11	No surface water sample collected because stream bed was dry at time of sampling.
CH-SWSD071	SE	Sediment	0-0.5'		CH-SWSD071-SE01	X		X			X					Near DU10, DU11	
CH-SWSD072	SW	Surface Water	N/A	X	NA - DRY											Near DU10, DU11	No surface water sample collected because stream bed was dry at time of sampling.
CH-SWSD072	SE	Sediment	0-0.5'		CH-SWSD071-SE01	X		X			X					Near DU10, DU11	
CH-SWSD073	SW	Surface Water	N/A	X	CH-SWSD073-SW01	X		X				X				Near DU10, DU11	
CH-SWSD073	SE	Sediment	0-0.5'		CH-SWSD073-SE01	X		X			X					Near DU10, DU11	
CH-SWSD074	SW	Surface Water	N/A	X	CH-SWSD074-SW01	X		X				X	X			Near DU10, DU11	Filtered surface water sample collected in addition to unfiltered sample because Turbidity > 10 NTU
CH-SWSD074	SE	Sediment	0-0.5'		CH-SWSD074-SE01	X		X			X					Near DU10, DU11	
CH-SWSD075	SW	Surface Water	N/A	X	CH-SWSD075-SW01	X		X				X				Near DU10, DU11	
CH-SWSD075	SE	Sediment	0-0.5'		CH-SWSD075-SE01	X		X			X			FD		Near DU10, DU11	
CH-SWSD076	SW	Surface Water	N/A	X	CH-SWSD076-SW01	X		X				X				Near DU10, DU11	
CH-SWSD076	SE	Sediment	0-0.5'		CH-SWSD076-SE01	X		X			X					Near DU10, DU11	
CH-SWSD077	SW	Surface Water	N/A	X	CH-SWSD077-SW01	X		X				X				Near DU10, DU11	
CH-SWSD077	SE	Sediment	0-0.5'		CH-SWSD077-SE01	X		X			X					Near DU10, DU11	
CH-SWSD078	SW	Surface Water	N/A	X	CH-SWSD078-SW01	X		X				X				Near DU10, DU11	
CH-SWSD078	SE	Sediment	0-0.5'		CH-SWSD078-SE01	X		X			X					Near DU10, DU11	
CH-SWSD079	SW	Surface Water	N/A	X	NA - DRY											Near DU10, DU11	No surface water sample collected because stream bed was dry at time of sampling.
CH-SWSD079	SE	Sediment	0-0.5'		CH-SWSD079-SE01	X		X			X					Near DU10, DU11	
CH-SWSD080	SW	Surface Water	N/A	X	CH-SWSD080-SW01	X		X	X			X				Near DU10, DU11	
CH-SWSD080	SE	Sediment	0-0.5'		CH-SWSD080-SE01	X		X	X	X	X			FD		Near DU10, DU11	
CH-SWSD081	SW	Surface Water	N/A	X	CH-SWSD081-SW01	X		X				X		FD		Near DU13, DU14	
CH-SWSD081	SE	Sediment	0-0.5'		CH-SWSD081-SE01	X		X			X					Near DU13, DU14	
CH-SWSD082	SW	Surface Water	N/A	X	CH-SWSD082-SW01	X		X				X				Near DU13, DU14	
CH-SWSD082	SE	Sediment	0-0.5'		CH-SWSD082-SE01	X		X			X					Near DU13, DU14	
CH-SWSD083	SW	Surface Water	N/A	X	CH-SWSD083-SW01	X		X				X				Near DU13, DU14	
CH-SWSD083	SE	Sediment	0-0.5'		CH-SWSD083-SE01	X		X			X					Near DU13, DU14	
CH-SWSD084	SW	Surface Water	N/A	X	CH-SWSD084-SW01	X		X				X				Near DU13, DU14	
CH-SWSD084	SE	Sediment	0-0.5'		CH-SWSD084-SE01	X		X			X					Near DU13, DU14	
CH-SWSD085	SW	Surface Water	N/A	X	CH-SWSD085-SW01	X		X				X		FD		Near DU13, DU14	
CH-SWSD085	SE	Sediment	0-0.5'		CH-SWSD085-SE01	X		X			X			FD		Near DU13, DU14	
CH-SWSD086	SW	Surface Water	N/A	X	CH-SWSD086-SW01	X		X				X				Near DU13, DU14	
CH-SWSD086	SE	Sediment	0-0.5'		CH-SWSD086-SE01	X		X			X					Near DU13, DU14	
CH-SWSD087	SW	Surface Water	N/A	X	CH-SWSD087-SW01	X		X				X				Near DU13, DU14	
CH-SWSD087	SE	Sediment	0-0.5'		CH-SWSD087-SE01	X		X			X					Near DU13, DU14	
CH-SWSD088	SW	Surface Water	N/A	X	CH-SWSD088-SW01	X		X				X				Near DU13, DU14	
CH-SWSD088	SE	Sediment	0-0.5'		CH-SWSD088-SE01	X		X			X					Near DU13, DU14	
CH-SWSD089	SW	Surface Water	N/A	X	CH-SWSD089-SW01	X		X				X				Near DU13, DU14	
CH-SWSD089	SE	Sediment	0-0.5'		CH-SWSD089-SE01	X		X			X					Near DU13, DU14	
CH-SWSD090	SW	Surface Water	N/A	X	CH-SWSD090-SW01	X		X	X			X				Near DU13, DU14	
CH-SWSD090	SE	Sediment	0-0.5'		CH-SWSD090-SE01	X		X	X	X	X				MS/MSD	Near DU13, DU14	

Notes:
All surface water samples evaluated for hardness; all sediment samples evaluated for TOC.
Cr^{6+} will be analyzed in 10% of samples analyzed for TAL metals, along with pH and ORP to validate the analytical results relative to field conditions.
Dissolved (field-filtered) surface water samples collected for metals, SVOCs, and PCBs when Turbidity > 10 NTU
SW - Surface Water
SE - Sediment

DO - Dissolved Oxygen
GeoChem - Specific geochemical parameters to further evaluate the speciation of metals and to support the FS
Metals - Full TAL metals, including mercury
ORP - Oxidation-Reduction Potential
PCBs - Polychlorinated biphenyls
spCond - Specific Conductivity
SVOCs - Selected TCL SVOCs based on preliminary screening evaluation, plus NYSDEC STARs list (includes full TCL PAHs plus NYSDEC STARs list)
TOC - Total Organic Carbon
VOCs - Specific parameters from TCL based on preliminary screening evaluation results, plus NYSDEC STARs list

Table 4-4
Summary of Phase III Surface Water and Sediment Analytical Samples
Camp Hero Remedial Investigation
Montauk, New York

Location ID	Investigation Method	Media	Target Depth	Field Parameters	Field Sample ID	Target Laboratory Parameters							Filtered Sample	QC Samples		Exposure Area	Comments/Deviations from the SAP
				pH, ORP, spCond, DO, Turb		SVOCs	PCBs	Metals	Cr^{6+}	GeoChem (pH/ORP)	TOC	Hard-ness		FD	MS/MSD		
CH-SWSD091	SW	Surface Water	N/A	X	CH-SWSD091-SW01	X		X				X				Near DU13, DU14	
CH-SWSD091	SE	Sediment	0-0.5'		CH-SWSD091-SE01	X		X			X					Near DU13, DU14	
CH-SWSD092	SW	Surface Water	N/A	X	CH-SWSD092-SW01	X		X				X				Near DU13, DU14	
CH-SWSD092	SE	Sediment	0-0.5'		CH-SWSD092-SE01	X		X			X					Near DU13, DU14	
CH-SWSD093	SW	Surface Water	N/A	X	CH-SWSD093-SW01	X		X				X			MS/MSD	Near DU13, DU14	
CH-SWSD093	SE	Sediment	0-0.5'		CH-SWSD093-SE01	X		X			X					Near DU13, DU14	
CH-SWSD094	SW	Surface Water	N/A	X	CH-SWSD094-SW01	X		X				X				Near DU13, DU14	
CH-SWSD094	SE	Sediment	0-0.5'		CH-SWSD094-SE01	X		X			X					Near DU13, DU14	
CH-SWSD095	SW	Surface Water	N/A	X	CH-SWSD095-SW01	X		X				X		FD		Near DU13, DU14	
CH-SWSD095	SE	Sediment	0-0.5'		CH-SWSD095-SE01	X		X			X			FD		Near DU13, DU14	
CH-SWSD096	SW	Surface Water	N/A	X	NA - DRY											Near DU05, DU06	No surface water sample collected because stream bed was dry at time of sampling.
CH-SWSD096	SE	Sediment	0-0.5'		CH-SWSD096-SE01	X		X			X					Near DU05, DU06	
CH-SWSD097	SW	Surface Water	N/A	X	NA - DRY											Near DU05, DU06	No surface water sample collected because stream bed was dry at time of sampling.
CH-SWSD097	SE	Sediment	0-0.5'		CH-SWSD071-SE01	X		X			X					Near DU05, DU06	
CH-SWSD098	SW	Surface Water	N/A	X	CH-SWSD098-SW01	X		X				X	X			Near DU05, DU06	Filtered surface water sample collected in addition to unfiltered sample because Turbidity > 10 NTU
CH-SWSD098	SE	Sediment	0-0.5'		CH-SWSD098-SE01	X		X			X					Near DU05, DU06	
CH-SWSD099	SW	Surface Water	N/A	X	CH-SWSD099-SW01	X		X				X				Near DU05, DU06	
CH-SWSD099	SE	Sediment	0-0.5'		CH-SWSD099-SE01	X		X			X				MS/MSD	Near DU05, DU06	
CH-SWSD100	SW	Surface Water	N/A	X	CH-SWSD100-SW01	X		X	X			X		FD		Near DU05, DU06	
CH-SWSD100	SE	Sediment	0-0.5'		CH-SWSD100-SE01	X		X	X	X	X					Near DU05, DU06	
CH-SWSD101	SW	Surface Water	N/A	X	CH-SWSD101-SW01	X		X				X	X			Near DU05, DU06	Filtered surface water sample collected in addition to unfiltered sample because Turbidity > 10 NTU
CH-SWSD101	SE	Sediment	0-0.5'		CH-SWSD101-SE01	X		X			X					Near DU05, DU06	
CH-SWSD102	SW	Surface Water	N/A	X	CH-SWSD102-SW01	X		X				X	X			Near DU05, DU06	Filtered surface water sample collected in addition to unfiltered sample because Turbidity > 10 NTU
CH-SWSD102	SE	Sediment	0-0.5'		CH-SWSD102-SE01	X		X			X					Near DU05, DU06	
CH-SWSD103	SW	Surface Water	N/A	X	CH-SWSD103-SW01	X		X				X	X			Near DU05, DU06	Filtered surface water sample collected in addition to unfiltered sample because Turbidity > 10 NTU
CH-SWSD103	SE	Sediment	0-0.5'		CH-SWSD103-SE01	X		X			X					Near DU05, DU06	
CH-SWSD104	SW	Surface Water	N/A	X	CH-SWSD104-SW01	X		X				X	X			Near DU05, DU06	Filtered surface water sample collected in addition to unfiltered sample because Turbidity > 10 NTU
CH-SWSD104	SE	Sediment	0-0.5'		CH-SWSD104-SE01	X		X			X					Near DU05, DU06	
CH-SWSD105	SW	Surface Water	N/A	X	CH-SWSD105-SW01	X		X				X	X	FD		Near DU05, DU06	Filtered surface water sample collected in addition to unfiltered sample because Turbidity > 10 NTU
CH-SWSD105	SE	Sediment	0-0.5'		CH-SWSD105-SE01	X		X			X			FD		Near DU05, DU06	
CH-SWSD106	SW	Surface Water	N/A	X	CH-SWSD106-SW01	X		X				X	X			Near DU05, DU06	Filtered surface water sample collected in addition to unfiltered sample because Turbidity > 10 NTU
CH-SWSD106	SE	Sediment	0-0.5'		CH-SWSD106-SE01	X		X			X					Near DU05, DU06	
CH-SWSD107	SW	Surface Water	N/A	X	CH-SWSD107-SW01	X		X				X	X			Near DU05, DU06	Filtered surface water sample collected in addition to unfiltered sample because Turbidity > 10 NTU
CH-SWSD107	SE	Sediment	0-0.5'		CH-SWSD107-SE01	X		X			X					Near DU05, DU06	
CH-SWSD108	SW	Surface Water	N/A	X	CH-SWSD108-SW01	X		X				X	X			Near DU05, DU06	Filtered surface water sample collected in addition to unfiltered sample because Turbidity > 10 NTU
CH-SWSD108	SE	Sediment	0-0.5'		CH-SWSD108-SE01	X		X			X					Near DU05, DU06	
CH-SWSD109	SW	Surface Water	N/A	X	CH-SWSD109-SW01	X		X				X	X			Near DU05, DU06	Filtered surface water sample collected in addition to unfiltered sample because Turbidity > 10 NTU
CH-SWSD109	SE	Sediment	0-0.5'		CH-SWSD109-SE01	X		X			X					Near DU05, DU06	
CH-SWSD110	SW	Surface Water	N/A	X	CH-SWSD110-SW01	X		X	X			X	X		MS/MSD	Near DU05, DU06	Filtered surface water sample collected in addition to unfiltered sample because Turbidity > 10 NTU
CH-SWSD110	SE	Sediment	0-0.5'		CH-SWSD110-SE01	X		X	X	X	X			FD		Near DU05, DU06	
CH-SWSD111	SW	Surface Water	N/A	X	CH-SWSD111-SW01	X		X				X				Near DU01, DU02, DU03	
CH-SWSD111	SE	Sediment	0-0.5'		CH-SWSD111-SE01	X		X			X					Near DU01, DU02, DU03	
CH-SWSD112	SW	Surface Water	N/A	X	CH-SWSD112-SW01	X		X				X				Near DU01, DU02, DU03	
CH-SWSD112	SE	Sediment	0-0.5'		CH-SWSD112-SE01	X		X			X					Near DU01, DU02, DU03	
CH-SWSD113	SW	Surface Water	N/A	X	CH-SWSD113-SW01	X		X				X				Near DU01, DU02, DU03	
CH-SWSD113	SE	Sediment	0-0.5'		CH-SWSD113-SE01	X		X			X					Near DU01, DU02, DU03	
CH-SWSD114	SW	Surface Water	N/A	X	CH-SWSD114-SW01	X		X				X	X			Near DU01, DU02, DU03	Filtered surface water sample collected in addition to unfiltered sample because Turbidity > 10 NTU
CH-SWSD114	SE	Sediment	0-0.5'		CH-SWSD114-SE01	X		X			X					Near DU01, DU02, DU03	
CH-SWSD115	SW	Surface Water	N/A	X	CH-SWSD115-SW01	X		X				X	X	FD		Near DU01, DU02, DU03	Filtered surface water sample collected in addition to unfiltered sample because Turbidity > 10 NTU
CH-SWSD115	SE	Sediment	0-0.5'		CH-SWSD115-SE01	X		X			X			FD		Near DU01, DU02, DU03	
CH-SWSD116	SW	Surface Water	N/A	X	CH-SWSD116-SW01	X		X				X	X			Near DU01, DU02, DU03	Filtered surface water sample collected in addition to unfiltered sample because Turbidity > 10 NTU
CH-SWSD116	SE	Sediment	0-0.5'		CH-SWSD116-SE01	X		X			X					Near DU01, DU02, DU03	
CH-SWSD117	SW	Surface Water	N/A	X	CH-SWSD117-SW01	X		X				X	X			Near DU01, DU02, DU03	Filtered surface water sample collected in addition to unfiltered sample because Turbidity > 10 NTU
CH-SWSD117	SE	Sediment	0-0.5'		CH-SWSD117-SE01	X		X			X					Near DU01, DU02, DU03	
CH-SWSD118	SW	Surface Water	N/A	X	CH-SWSD118-SW01	X		X				X	X			Near DU01, DU02, DU03	Filtered surface water sample collected in addition to unfiltered sample because Turbidity > 10 NTU
CH-SWSD118	SE	Sediment	0-0.5'		CH-SWSD118-SE01	X		X			X					Near DU01, DU02, DU03	
CH-SWSD119	SW	Surface Water	N/A	X	CH-SWSD119-SW01	X		X				X				Near DU01, DU02, DU03	
CH-SWSD119	SE	Sediment	0-0.5'		CH-SWSD119-SE01	X		X			X					Near DU01, DU02, DU03	
CH-SWSD120	SW	Surface Water	N/A	X	CH-SWSD120-SW01	X		X	X			X		FD		Near DU01, DU02, DU03	
CH-SWSD120	SE	Sediment	0-0.5'		CH-SWSD120-SE01	X		X	X	X	X					Near DU01, DU02, DU03	

Notes:
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TOC - Total Organic Carbon
VOCs - Specific parameters from TCL based on preliminary screening evaluation results, plus NYSDEC STARs list

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				pH, ORP, spCond, DO, Turb		SVOCs	PCBs	Metals	Cr^{6+}	GeoChem (pH/ORP)	TOC	Hard-ness		FD	MS/MSD		
CH-SWSD121	SW	Surface Water	N/A	X	CH-SWSD121-SW01	X		X				X				Near DU01, DU02, DU03	
CH-SWSD121	SE	Sediment	0-0.5'		CH-SWSD121-SE01	X		X			X					Near DU01, DU02, DU03	
CH-SWSD122	SW	Surface Water	N/A	X	CH-SWSD122-SW01	X		X				X				Near DU01, DU02, DU03	
CH-SWSD122	SE	Sediment	0-0.5'		CH-SWSD122-SE01	X		X			X					Near DU01, DU02, DU03	
CH-SWSD123	SW	Surface Water	N/A	X	CH-SWSD123-SW01	X		X				X			MS/MSD	Near DU01, DU02, DU03	
CH-SWSD123	SE	Sediment	0-0.5'		CH-SWSD123-SE01	X		X			X					Near DU01, DU02, DU03	
CH-SWSD124	SW	Surface Water	N/A	X	CH-SWSD124-SW01	X		X				X				Near DU01, DU02, DU03	
CH-SWSD124	SE	Sediment	0-0.5'		CH-SWSD124-SE01	X		X			X					Near DU01, DU02, DU03	
CH-SWSD125	SW	Surface Water	N/A	X	CH-SWSD125-SW01	X		X				X				Near DU01, DU02, DU03	
CH-SWSD125	SE	Sediment	0-0.5'		CH-SWSD125-SE01	X		X			X				MS/MSD	Near DU01, DU02, DU03	
CH-SWSD126	SW	Surface Water	N/A	X	CH-SWSD126-SW01	X	X	X				X				Near DU15	
CH-SWSD126	SE	Sediment	0-0.5'		CH-SWSD126-SE01	X	X	X			X			FD		Near DU15	
CH-SWSD127	SW	Surface Water	N/A	X	CH-SWSD127-SW01	X	X	X				X				Near DU15	
CH-SWSD127	SE	Sediment	0-0.5'		CH-SWSD127-SE01	X	X	X			X					Near DU15	
CH-SWSD128	SW	Surface Water	N/A	X	CH-SWSD128-SW01	X	X	X				X				Near DU15	
CH-SWSD128	SE	Sediment	0-0.5'		CH-SWSD128-SE01	X	X	X			X					Near DU15	
CH-SWSD129	SW	Surface Water	N/A	X	CH-SWSD129-SW01	X	X	X				X		FD		Near DU15	
CH-SWSD129	SE	Sediment	0-0.5'		CH-SWSD129-SE01	X	X	X			X					Near DU15	
CH-SWSD130	SW	Surface Water	N/A	X	CH-SWSD130-SW01	X	X	X	X			X				Near DU15	
CH-SWSD130	SE	Sediment	0-0.5'		CH-SWSD130-SE01	X	X	X	X	X	X					Near DU15	
CH-SWSD131	SW	Surface Water	N/A	X	CH-SWSD131-SW01	X	X	X				X				Near DU15	
CH-SWSD131	SE	Sediment	0-0.5'		CH-SWSD131-SE01	X	X	X			X				MS/MSD	Near DU15	
CH-SWSD132	SW	Surface Water	N/A	X	CH-SWSD132-SW01	X	X	X				X				Near DU15	
CH-SWSD132	SE	Sediment	0-0.5'		CH-SWSD132-SE01	X	X	X			X					Near DU15	
CH-SWSD133	SW	Surface Water	N/A	X	CH-SWSD133-SW01	X	X	X				X				Near DU15	
CH-SWSD133	SE	Sediment	0-0.5'		CH-SWSD133-SE01	X	X	X			X					Near DU15	
CH-SWSD134	SW	Surface Water	N/A	X	CH-SWSD134-SW01	X	X	X				X				Near DU15	
CH-SWSD134	SE	Sediment	0-0.5'		CH-SWSD134-SE01	X	X	X			X					Near DU15	
CH-SWSD135	SW	Surface Water	N/A	X	CH-SWSD135-SW01	X	X	X				X		FD		Near DU15	
CH-SWSD135	SE	Sediment	0-0.5'		CH-SWSD135-SE01	X	X	X			X					Near DU15	
CH-SWSD136	SW	Surface Water	N/A	X	CH-SWSD136-SW01	X	X	X				X				Near DU15	
CH-SWSD136	SE	Sediment	0-0.5'		CH-SWSD136-SE01	X	X	X			X			FD		Near DU15	
CH-SWSD137	SW	Surface Water	N/A	X	CH-SWSD137-SW01	X	X	X				X				Near DU15	
CH-SWSD137	SE	Sediment	0-0.5'		CH-SWSD137-SE01	X	X	X			X					Near DU15	
CH-SWSD138	SW	Surface Water	N/A	X	CH-SWSD138-SW01	X	X	X				X				Near DU15	
CH-SWSD138	SE	Sediment	0-0.5'		CH-SWSD138-SE01	X	X	X			X					Near DU15	
CH-SWSD139	SW	Surface Water	N/A	X	CH-SWSD139-SW01	X	X	X				X				Near DU15	
CH-SWSD139	SE	Sediment	0-0.5'		CH-SWSD139-SE01	X	X	X			X					Near DU15	
CH-SWSD140	SW	Surface Water	N/A	X	CH-SWSD140-SW01	X	X	X	X			X			MS/MSD	Near DU15	
CH-SWSD140	SE	Sediment	0-0.5'		CH-SWSD140-SE01	X	X	X	X	X	X					Near DU15	
CH-SWSD141	SW	Surface Water	N/A	X	CH-SWSD141-SW01	X		X				X				Near DU08	
CH-SWSD141	SE	Sediment	0-0.5'		CH-SWSD141-SE01	X		X			X					Near DU08	
CH-SWSD142	SW	Surface Water	N/A	X	CH-SWSD142-SW01	X		X				X				Near DU08	
CH-SWSD142	SE	Sediment	0-0.5'		CH-SWSD142-SE01	X		X			X					Near DU08	
CH-SWSD143	SW	Surface Water	N/A	X	CH-SWSD143-SW01	X		X				X			MS/MSD	Near DU08	
CH-SWSD143	SE	Sediment	0-0.5'		CH-SWSD143-SE01	X		X			X					Near DU08	
CH-SWSD144	SW	Surface Water	N/A	X	CH-SWSD144-SW01	X		X				X				Near DU08	
CH-SWSD144	SE	Sediment	0-0.5'		CH-SWSD144-SE01	X		X			X					Near DU08	
CH-SWSD145	SW	Surface Water	N/A	X	CH-SWSD145-SW01	X		X				X		FD		Near DU08	
CH-SWSD145	SE	Sediment	0-0.5'		CH-SWSD145-SE01	X		X			X				MS/MSD	Near DU08	
CH-SWSD146	SW	Surface Water	N/A	X	CH-SWSD146-SW01	X		X				X				Near DU08	
CH-SWSD146	SE	Sediment	0-0.5'		CH-SWSD146-SE01	X		X			X					Near DU08	
CH-SWSD147	SW	Surface Water	N/A	X	CH-SWSD147-SW01	X		X				X				Near DU08	
CH-SWSD147	SE	Sediment	0-0.5'		CH-SWSD147-SE01	X		X			X					Near DU08	
CH-SWSD148	SW	Surface Water	N/A	X	CH-SWSD148-SW01	X		X				X				Near DU08	
CH-SWSD148	SE	Sediment	0-0.5'		CH-SWSD148-SE01	X		X			X					Near DU08	
CH-SWSD149	SW	Surface Water	N/A	X	CH-SWSD149-SW01	X		X				X				Near DU08	
CH-SWSD149	SE	Sediment	0-0.5'		CH-SWSD149-SE01	X		X			X					Near DU08	
CH-SWSD150	SW	Surface Water	N/A	X	CH-SWSD150-SW01	X		X	X			X	X			Near DU08	Filtered surface water sample collected in addition to unfiltered sample because Turbidity > 10 NTU
CH-SWSD150	SE	Sediment	0-0.5'		CH-SWSD150-SE01	X		X	X	X	X					Near DU08	

Notes:
All surface water samples evaluated for hardness; all sediment samples evaluated for TOC.
Cr^{6+} will be analyzed in 10% of samples analyzed for TAL metals, along with pH and ORP to validate the analytical results relative to field conditions.
Dissolved (field-filtered) surface water samples collected for metals, SVOCs, and PCBs when Turbidity > 10 NTU
SW - Surface Water
SE - Sediment

DO - Dissolved Oxygen
GeoChem - Specific geochemical parameters to further evaluate the speciation of metals and to support the FS
Metals - Full TAL metals, including mercury
ORP - Oxidation-Reduction Potential
PCBs - Polychlorinated biphenyls
spCond - Specific Conductivity
SVOCs - Selected TCL SVOCs based on preliminary screening evaluation, plus NYSDEC STARs list (includes full TCL PAHs plus NYSDEC STARs list)
TOC - Total Organic Carbon
VOCs - Specific parameters from TCL based on preliminary screening evaluation results, plus NYSDEC STARs list

Table 4-4
Summary of Phase III Surface Water and Sediment Analytical Samples
Camp Hero Remedial Investigation
Montauk, New York

Location ID	Investigation Method	Media	Target Depth	Field Parameters	Field Sample ID	Target Laboratory Parameters							Filtered Sample	QC Samples		Exposure Area	Comments/Deviations from the SAP
				pH, ORP, spCond, DO, Turb		SVOCs	PCBs	Metals	Cr^{6+}	GeoChem (pH/ORP)	TOC	Hard-ness		FD	MS/MSD		
CH-SWSD151	SW	Surface Water	N/A	X	CH-SWSD151-SW01	X		X				X	X			Near DU08	Filtered surface water sample collected in addition to unfiltered sample because Turbidity > 10 NTU
CH-SWSD151	SE	Sediment	0-0.5'		CH-SWSD151-SE01	X		X			X					Near DU08	
CH-SWSD152	SW	Surface Water	N/A	X	CH-SWSD152-SW01	X		X				X	X			Near DU08	Filtered surface water sample collected in addition to unfiltered sample because Turbidity > 10 NTU
CH-SWSD152	SE	Sediment	0-0.5'		CH-SWSD152-SE01	X		X			X					Near DU08	
CH-SWSD153	SW	Surface Water	N/A	X	CH-SWSD153-SW01	X		X				X	X		MS/MSD	Near DU08	Filtered surface water sample collected in addition to unfiltered sample because Turbidity > 10 NTU
CH-SWSD153	SE	Sediment	0-0.5'		CH-SWSD153-SE01	X		X			X					Near DU08	
CH-SWSD154	SW	Surface Water	N/A	X	CH-SWSD154-SW01	X		X				X	X			Near DU08	Filtered surface water sample collected in addition to unfiltered sample because Turbidity > 10 NTU
CH-SWSD154	SE	Sediment	0-0.5'		CH-SWSD154-SE01	X		X			X					Near DU08	
CH-SWSD155	SW	Surface Water	N/A	X	CH-SWSD155-SW01	X		X				X	X			Near DU08	Filtered surface water sample collected in addition to unfiltered sample because Turbidity > 10 NTU
CH-SWSD155	SE	Sediment	0-0.5'		CH-SWSD155-SE01	X		X			X				MS/MSD	Near DU08	

Notes:
All surface water samples evaluated for hardness; all sediment samples evaluated for TOC.
Cr^{6+} will be analyzed in 10% of samples analyzed for TAL metals, along with pH and ORP to validate the analytical results relative to field conditions.
Dissolved (field-filtered) surface water samples collected for metals, SVOCs, and PCBs when Turbidity > 10 NTU
SW - Surface Water
SE - Sediment

DO - Dissolved Oxygen
GeoChem - Specific geochemical parameters to further evaluate the speciation of metals and to support the FS
Metals - Full TAL metals, including mercury
ORP - Oxidation-Reduction Potential
PCBs - Polychlorinated biphenyls
spCond - Specific Conductivity
SVOCs - Selected TCL SVOCs based on preliminary screening evaluation, plus NYSDEC STARs list (includes full TCL PAHs plus NYSDEC STARs list)
TOC - Total Organic Carbon
VOCs - Specific parameters from TCL based on preliminary screening evaluation results, plus NYSDEC STARs list

Table 4-5
Summary of Phase III Soil Analytical Samples
Camp Hero Remedial Investigation
Montauk, New York

Location ID	Investigation Method	Media	Boring Depth	Actual Sample Depth	Planned Sample Depth	Field Sample ID	Parameters Collected						QC Samples Collected		Comment/Deviations from the SAP
							VOCs	SVOCs	PCBs	Metals	Cr^{6+} (pH/ORP)	GeoTech	FD	MS/ MSD	
DU01															
DU01-S001	DP	Subsurface Soil	10'	1-10'	1-10'	DU01-S001-01-10	X	X		X	X			MS/MSD	
DU01-S002	DP	Subsurface Soil	10'	1-10'	1-10'	DU01-S002-01-10	X	X		X			FD		
DU01-S003	DP	Subsurface Soil	10'	1-10'	1-10'	DU01-S003-01-10	X	X		X					
DU01-S004	DP	Subsurface Soil	10'	1-10'	1-10'	DU01-S004-01-10	X	X		X					
DU01-S005	DP	Subsurface Soil	10'	1-10'	1-10'	DU01-S005-01-10	X	X		X					
DU01-S006	DP	Subsurface Soil	10'	1-10'	1-10'	DU01-S006-01-10	X	X		X					
DU01-S007	DP	Subsurface Soil	10'	1-10'	1-10'	DU01-S007-01-10	X	X		X					
DU01-S008	DP	Subsurface Soil	10'	1-10'	1-10'	DU01-S008-01-10	X	X		X					
DU01-S009	DP	Subsurface Soil	10'	1-10'	1-10'	DU01-S009-01-10	X	X		X					
DU01-S009	SN	Subsurface Soil	17'	15-17'	N/A	DU01-S009-15-17						X			Shelby tube location selected in the field to be adjacent to CH-MW019.
DU01-S010	DP	Subsurface Soil	10'	1-10'	1-10'	DU01-S010-01-10	X	X		X					
DU01-S011	DP	Subsurface Soil	10'	1-10'	1-10'	DU01-S011-01-10	X	X		X	X		FD		
DU01-S012	DP	Subsurface Soil	10'	1-10'	1-10'	DU01-S012-01-10	X	X		X					
DU01-S013	DP	Subsurface Soil	10'	1-10'	1-10'	DU01-S013-01-10	X	X		X					
DU01-S014	DP	Subsurface Soil	10'	1-10'	1-10'	DU01-S014-01-10	X	X		X					
DU01-S015	DP	Subsurface Soil	10'	1-10'	1-10'	DU01-S015-01-10	X	X		X					
DU01-S015	SN	Subsurface Soil	27'	25-27'	N/A	DU01-S015-25-27						X			Shelby tube location selected in the field to be adjacent to CH-MW021.
DU01-S016	DP	Subsurface Soil	10'	1-10'	1-10'	DU01-S016-01-10	X	X		X					
DU02															
DU02-S001	HA	Surface Soil	1'	0-1'	0-1'	DU02-S001-00-01				X	X				
DU02-S002	HA	Surface Soil	1'	0-1'	0-1'	DU02-S002-00-01				X					
DU02-S003	HA	Surface Soil	1'	0-1'	0-1'	DU02-S003-00-01				X					
DU02-S004	HA	Surface Soil	1'	0-1'	0-1'	DU02-S004-00-01				X					
DU02-S005	HA	Surface Soil	1'	0-1'	0-1'	DU02-S005-00-01				X					
DU02-S006	HA	Surface Soil	1'	0-1'	0-1'	DU02-S006-00-01				X					
DU02-S007	HA	Surface Soil	1'	0-1'	0-1'	DU02-S007-00-01				X					
DU02-S008	HA	Surface Soil	1'	0-1'	0-1'	DU02-S008-00-01				X					
DU02-S009	HA	Surface Soil	1'	0-1'	0-1'	DU02-S009-00-01				X					
DU02-S010	HA	Surface Soil	1'	0-1'	0-1'	DU02-S010-00-01				X					
DU02-S011	HA	Surface Soil	1'	0-1'	0-1'	DU02-S011-00-01				X			FD		
DU02-S012	HA	Surface Soil	1'	0-1'	0-1'	DU02-S012-00-01				X					
DU02-S013	HA	Surface Soil	1'	0-1'	0-1'	DU02-S013-00-01				X					
DU02-S014	HA	Surface Soil	1'	0-1'	0-1'	DU02-S014-00-01				X					
DU02-S015	HA	Surface Soil	1'	0-1'	0-1'	DU02-S015-00-01				X					
DU02-S016	HA	Surface Soil	1'	0-1'	0-1'	DU02-S016-00-01				X					
DU03															
DU03-S001	HA	Subsurface Soil	2'	1-2'	1-10'	DU03-S001-01-02		X							Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands; subsurface soil collected from 1-2' bgs.
DU03-S001	HA	Surface Soil	2'	0-1'	0-1'	DU03-S001-00-01		X		X	X				Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands.
DU03-S002	HA	Subsurface Soil	2'	1-2'	1-10'	DU03-S002-01-02		X							Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands; subsurface soil collected from 1-2' bgs.
DU03-S002	HA	Surface Soil	2'	0-1'	0-1'	DU03-S002-00-01		X		X					Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands.
DU03-S003	HA	Subsurface Soil	2'	1-2'	1-10'	DU03-S003-01-02		X							Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands; subsurface soil collected from 1-2' bgs.
DU03-S003	HA	Surface Soil	2'	0-1'	0-1'	DU03-S003-00-01		X		X					Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands.
DU03-S004	HA	Subsurface Soil	2'	1-2'	1-10'	DU03-S004-01-02		X							Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands; subsurface soil collected from 1-2' bgs.
DU03-S004	HA	Surface Soil	2'	0-1'	0-1'	DU03-S004-00-01		X		X					Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands.
DU03-S005	HA	Subsurface Soil	2'	1-2'	1-10'	DU03-S005-01-02		X							Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands; subsurface soil collected from 1-2' bgs.
DU03-S005	HA	Surface Soil	2'	0-1'	0-1'	DU03-S005-00-01		X		X					Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands.
DU03-S006	HA	Subsurface Soil	2'	1-2'	1-10'	DU03-S006-01-02		X							Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands; subsurface soil collected from 1-2' bgs.
DU03-S006	HA	Surface Soil	2'	0-1'	0-1'	DU03-S006-00-01		X		X					Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands.
DU03-S007	HA	Subsurface Soil	2'	1-2'	1-10'	DU03-S007-01-02		X							Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands; subsurface soil collected from 1-2' bgs.
DU03-S007	HA	Surface Soil	2'	0-1'	0-1'	DU03-S007-00-01		X		X					Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands.
DU03-S008	HA	Subsurface Soil	2'	1-2'	1-10'	DU03-S008-01-02		X							Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands; subsurface soil collected from 1-2' bgs.
DU03-S008	HA	Surface Soil	2'	0-1'	0-1'	DU03-S008-00-01		X		X					Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands.
DU03-S009	HA	Subsurface Soil	2'	1-2'	1-10'	DU03-S009-01-02		X							Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands; subsurface soil collected from 1-2' bgs.
DU03-S009	HA	Surface Soil	2'	0-1'	0-1'	DU03-S009-00-01		X		X					Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands.
DU03-S010	HA	Subsurface Soil	2'	1-2'	1-10'	DU03-S010-01-02		X							Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands; subsurface soil collected from 1-2' bgs.
DU03-S010	HA	Surface Soil	2'	0-1'	0-1'	DU03-S010-00-01		X		X					Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands.
DU03-S011	HA	Subsurface Soil	2'	1-2'	1-10'	DU03-S011-01-02		X							Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands; subsurface soil collected from 1-2' bgs.
DU03-S011	HA	Surface Soil	2'	0-1'	0-1'	DU03-S011-00-01		X		X	X				Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands.
DU03-S012	HA	Subsurface Soil	2'	1-2'	1-10'	DU03-S012-01-02		X							Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands; subsurface soil collected from 1-2' bgs.
DU03-S012	HA	Surface Soil	2'	0-1'	0-1'	DU03-S012-00-01		X		X					Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands.

Notes:
Investigation Method: HA = hand auger, DP = Direct Push Soil Boring, SN = Sonic Soil Boring
Cr^{6+} were analyzed in 10% of samples analyzed for TAL metals, along with pH and ORP to validate the analytical results relative to field conditions.

VOCs - Specific parameters from TCL based on preliminary screening evaluation results, plus NYSDEC STARs list
SVOCs - Selected TCL SVOCs based on preliminary screening evaluation, plus NYSDEC STARs list (includes full TCL PAHs plus NYSDEC STARs list)
PCBs - Polychlorinated biphenyls
Metals - Full TAL metals
GeoChem - Specific geochemical parameters to further evaluate the speciation of metals (such as hexavalent chromium) and to support the FS
GeoTech - Shelby tube collection for physical characteristic data to evaluate potential LNAPL response actions
ORP - Oxidation-Reduction Potential

Table 4-5
Summary of Phase III Soil Analytical Samples
Camp Hero Remedial Investigation
Montauk, New York

Location ID	Investigation Method	Media	Boring Depth	Actual Sample Depth	Planned Sample Depth	Field Sample ID	Parameters Collected						QC Samples Collected		Comment/Deviations from the SAP
							VOCs	SVOCs	PCBs	Metals	Cr^{6+} (pH/ORP)	GeoTech	FD	MS/ MSD	
DU03-S013	HA	Subsurface Soil	2'	1-2'	1-10'	DU03-S013-01-02		X							Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands; subsurface soil collected from 1-2' bgs.
DU03-S013	HA	Surface Soil	2'	0-1'	0-1'	DU03-S013-00-01		X		X					Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands.
DU03-S014	HA	Subsurface Soil	2'	1-2'	1-10'	DU03-S014-01-02		X							Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands; subsurface soil collected from 1-2' bgs.
DU03-S014	HA	Surface Soil	2'	0-1'	0-1'	DU03-S014-00-01		X		X					Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands.
DU03-S015	HA	Subsurface Soil	2'	1-2'	1-10'	DU03-S015-01-02		X							Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands; subsurface soil collected from 1-2' bgs.
DU03-S015	HA	Surface Soil	2'	0-1'	0-1'	DU03-S015-00-01		X		X					Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands.
DU03-S016	HA	Subsurface Soil	2'	1-2'	1-10'	DU03-S016-01-02		X							Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands; subsurface soil collected from 1-2' bgs.
DU03-S016	HA	Surface Soil	2'	0-1'	0-1'	DU03-S016-00-01		X		X					Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands.
DU04															
DU04-S001	HA	Surface Soil	N/A	0-1'	0-1'	DU04-S001-00-01				X	X				
DU04-S002	HA	Surface Soil	N/A	0-1'	0-1'	DU04-S002-00-01				X					
DU04-S003	HA	Surface Soil	N/A	0-1'	0-1'	DU04-S003-00-01				X			FD		
DU04-S004	HA	Surface Soil	N/A	0-1'	0-1'	DU04-S004-00-01				X					
DU04-S005	HA	Surface Soil	N/A	0-1'	0-1'	DU04-S005-00-01				X					
DU04-S006	HA	Surface Soil	N/A	0-1'	0-1'	DU04-S006-00-01				X					
DU04-S007	HA	Surface Soil	N/A	0-1'	0-1'	DU04-S007-00-01				X					
DU04-S008	HA	Surface Soil	N/A	0-1'	0-1'	DU04-S008-00-01				X			FD		
DU04-S009	HA	Surface Soil	N/A	0-1'	0-1'	DU04-S009-00-01				X					
DU04-S010	HA	Surface Soil	N/A	0-1'	0-1'	DU04-S010-00-01				X					
DU04-S011	HA	Surface Soil	N/A	0-1'	0-1'	DU04-S011-00-01				X	X				
DU04-S012	HA	Surface Soil	N/A	0-1'	0-1'	DU04-S012-00-01				X					
DU04-S013	HA	Surface Soil	N/A	0-1'	0-1'	DU04-S013-00-01				X					
DU04-S014	HA	Surface Soil	N/A	0-1'	0-1'	DU04-S014-00-01				X					
DU04-S015	HA	Surface Soil	N/A	0-1'	0-1'	DU04-S015-00-01				X					
DU04-S016	HA	Surface Soil	N/A	0-1'	0-1'	DU04-S016-00-01				X					
DU05															
DU05-S001	DP	Subsurface Soil	10'	1-10'	1-10'	DU05-S001-01-10				X	X				
DU05-S001	DP	Surface Soil	10'	0-1'	0-1'	DU05-S001-00-01				X					
DU05-S002	DP	Subsurface Soil	10'	1-10'	1-10'	DU05-S002-01-10				X			FD		
DU05-S002	DP	Surface Soil	10'	0-1'	0-1'	DU05-S002-00-01				X					
DU05-S003	HA	Subsurface Soil	10'	1-2'	1-10'	DU05-S003-01-02				X				MS/MSD	Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands; subsurface soil collected from 1-2' bgs.
DU05-S003	HA	Surface Soil	10'	0-1'	0-1'	DU05-S003-00-01				X					Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands.
DU05-S004	DP	Subsurface Soil	10'	1-10'	1-10'	DU05-S004-01-10				X					
DU05-S004	DP	Surface Soil	10'	0-1'	0-1'	DU05-S004-00-01				X					
DU05-S005	DP	Subsurface Soil	10'	1-10'	1-10'	DU05-S005-01-10				X					
DU05-S005	DP	Surface Soil	10'	0-1'	0-1'	DU05-S005-00-01				X					
DU05-S006	DP	Subsurface Soil	10'	1-10'	1-10'	DU05-S006-01-10				X			FD		
DU05-S006	DP	Surface Soil	10'	0-1'	0-1'	DU05-S006-00-01				X					
DU05-S007	HA	Subsurface Soil	10'	1-2'	1-10'	DU05-S007-01-02				X					Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands; subsurface soil collected from 1-2' bgs.
DU05-S007	HA	Surface Soil	10'	0-1'	0-1'	DU05-S007-00-01				X					Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands.
DU05-S008	DP	Subsurface Soil	10'	1-10'	1-10'	DU05-S008-01-10				X					
DU05-S008	DP	Surface Soil	10'	0-1'	0-1'	DU05-S008-00-01				X					
DU05-S009	DP	Subsurface Soil	5'	1-5'	1-10'	DU05-S009-01-05				X					Geoprobe encountered void space from 5-10' bgs at this location; subsurface soil collected 1-5' bgs.
DU05-S009	DP	Surface Soil	5'	0-1'	0-1'	DU05-S009-00-01				X					
DU05-S010	DP	Subsurface Soil	10'	1-10'	1-10'	DU05-S010-01-10				X			FD		
DU05-S010	DP	Surface Soil	10'	0-1'	0-1'	DU05-S010-00-01				X					
DU05-S011	HA	Subsurface Soil	10'	1-2'	1-10'	DU05-S011-01-02				X	X			MS/MSD	Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands; subsurface soil collected from 1-2' bgs.
DU05-S011	HA	Surface Soil	10'	0-1'	0-1'	DU05-S011-00-01				X					Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands.
DU05-S012	DP	Subsurface Soil	10'	1-10'	1-10'	DU05-S012-01-10				X					
DU05-S012	DP	Surface Soil	10'	0-1'	0-1'	DU05-S012-00-01				X					
DU05-S013	DP	Subsurface Soil	10'	1-10'	1-10'	DU05-S013-01-10				X					
DU05-S013	DP	Surface Soil	10'	0-1'	0-1'	DU05-S013-00-01				X					
DU05-S014	DP	Subsurface Soil	10'	1-10'	1-10'	DU05-S014-01-10				X			FD		
DU05-S014	DP	Surface Soil	10'	0-1'	0-1'	DU05-S014-00-01				X					
DU05-S015	HA	Subsurface Soil	10'	1-2'	1-10'	DU05-S015-01-02				X					Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands; subsurface soil collected from 1-2' bgs.
DU05-S015	HA	Surface Soil	10'	0-1'	0-1'	DU05-S015-00-01				X					Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands.
DU05-S016	DP	Subsurface Soil	10'	1-10'	1-10'	DU05-S016-01-10				X					
DU05-S016	DP	Surface Soil	10'	0-1'	0-1'	DU05-S016-00-01				X					
DU06															
DU06-S001	DP	Subsurface Soil	10'	1-10'	1-10'	DU06-S001-01-10		X		X			FD		
DU06-S001	DP	Surface Soil	10'	0-1'	0-1'	DU06-S001-00-01		X		X	X				

Notes:
Investigation Method: HA = hand auger, DP = Direct Push Soil Boring, SN = Sonic Soil Boring
Cr^{6+} were analyzed in 10% of samples analyzed for TAL metals, along with pH and ORP to validate the analytical results relative to field conditions.

VOCs - Specific parameters from TCL based on preliminary screening evaluation results, plus NYSDEC STARs list
SVOCs - Selected TCL SVOCs based on preliminary screening evaluation, plus NYSDEC STARs list (includes full TCL PAHs plus NYSDEC STARs list)
PCBs - Polychlorinated biphenyls
Metals - Full TAL metals
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GeoTech - Shelby tube collection for physical characteristic data to evaluate potential LNAPL response actions
ORP - Oxidation-Reduction Potential

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Summary of Phase III Soil Analytical Samples
Camp Hero Remedial Investigation
Montauk, New York

Location ID	Investigation Method	Media	Boring Depth	Actual Sample Depth	Planned Sample Depth	Field Sample ID	Parameters Collected						QC Samples Collected		Comment/Deviations from the SAP
							VOCs	SVOCs	PCBs	Metals	Cr^{6+} (pH/ORP)	GeoTech	FD	MS/ MSD	
DU06-S002	DP	Subsurface Soil	10'	1-10'	1-10'	DU06-S002-01-10		X		X				MS/MSD	
DU06-S002	DP	Surface Soil	10'	0-1'	0-1'	DU06-S002-00-01		X		X					
DU06-S003	DP	Subsurface Soil	10'	1-10'	1-10'	DU06-S003-01-10		X		X			FD		
DU06-S003	DP	Surface Soil	10'	0-1'	0-1'	DU06-S003-00-01		X		X					
DU06-S004	DP	Subsurface Soil	10'	1-10'	1-10'	DU06-S004-01-10		X		X				MS/MSD	
DU06-S004	DP	Surface Soil	10'	0-1'	0-1'	DU06-S004-00-01		X		X					
DU06-S005	DP	Subsurface Soil	10'	1-10'	1-10'	DU06-S005-01-10		X		X			FD		
DU06-S005	DP	Surface Soil	10'	0-1'	0-1'	DU06-S005-00-01		X		X					
DU06-S006	DP	Subsurface Soil	10'	1-10'	1-10'	DU06-S006-01-10		X		X				MS/MSD	
DU06-S006	DP	Surface Soil	10'	0-1'	0-1'	DU06-S006-00-01		X		X					
DU06-S007	DP	Subsurface Soil	10'	1-10'	1-10'	DU06-S007-01-10		X		X					
DU06-S007	DP	Surface Soil	10'	0-1'	0-1'	DU06-S007-00-01		X		X					
DU06-S008	DP	Subsurface Soil	10'	1-10'	1-10'	DU06-S008-01-10		X		X				MS/MSD	
DU06-S008	DP	Surface Soil	10'	0-1'	0-1'	DU06-S008-00-01		X		X					
DU06-S009	DP	Subsurface Soil	10'	1-10'	1-10'	DU06-S009-01-10		X		X					
DU06-S009	DP	Surface Soil	10'	0-1'	0-1'	DU06-S009-00-01		X		X					
DU06-S010	DP	Subsurface Soil	10'	1-10'	1-10'	DU06-S010-01-10		X		X				MS/MSD	
DU06-S010	DP	Surface Soil	10'	0-1'	0-1'	DU06-S010-00-01		X		X					
DU06-S011	DP	Subsurface Soil	10'	1-10'	1-10'	DU06-S011-01-10		X		X	X		FD		
DU06-S011	DP	Surface Soil	10'	0-1'	0-1'	DU06-S011-00-01		X		X					
DU06-S012	DP	Subsurface Soil	10'	1-10'	1-10'	DU06-S012-01-10		X		X					
DU06-S012	DP	Surface Soil	10'	0-1'	0-1'	DU06-S012-00-01		X		X					
DU06-S013	DP	Subsurface Soil	10'	1-10'	1-10'	DU06-S013-01-10		X		X				MS/MSD	
DU06-S013	DP	Surface Soil	10'	0-1'	0-1'	DU06-S013-00-01		X		X					
DU06-S014	DP	Subsurface Soil	10'	1-10'	1-10'	DU06-S014-01-10		X		X					
DU06-S014	DP	Surface Soil	10'	0-1'	0-1'	DU06-S014-00-01		X		X					
DU06-S015	DP	Subsurface Soil	10'	1-10'	1-10'	DU06-S015-01-10		X		X				MS/MSD	
DU06-S015	DP	Surface Soil	10'	0-1'	0-1'	DU06-S015-00-01		X		X					
DU06-S016	DP	Subsurface Soil	10'	1-10'	1-10'	DU06-S016-01-10		X		X					
DU06-S016	DP	Surface Soil	10'	0-1'	0-1'	DU06-S016-00-01		X		X					
DU07															
DU07-S001	DP	Subsurface Soil	10'	1-10'	1-10'	DU07-S001-01-10		X		X			FD		
DU07-S001	DP	Surface Soil	10'	0-1'	0-1'	DU07-S001-00-01		X		X	X				
DU07-S002	HA	Subsurface Soil	2'	1-2'	1-10'	DU07-S002-01-02		X		X				MS/MSD	Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands; subsurface soil collected from 1-2' bgs.
DU07-S002	HA	Surface Soil	2'	0-1'	0-1'	DU07-S002-00-01		X		X					Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands.
DU07-S003	DP	Subsurface Soil	10'	1-10'	1-10'	DU07-S003-01-10		X		X			FD		
DU07-S003	DP	Surface Soil	10'	0-1'	0-1'	DU07-S003-00-01		X		X					
DU07-S004	DP	Subsurface Soil	10'	1-10'	1-10'	DU07-S004-01-10		X		X					
DU07-S004	DP	Surface Soil	10'	0-1'	0-1'	DU07-S004-00-01		X		X					
DU07-S005	HA	Subsurface Soil	2'	1-2'	1-10'	DU07-S002-01-02		X		X			FD		Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands; subsurface soil collected from 1-2' bgs.
DU07-S005	HA	Surface Soil	2'	0-1'	0-1'	DU07-S002-00-01		X		X					Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands.
DU07-S006	HA	Subsurface Soil	2'	1-2'	1-10'	DU07-S002-01-02		X		X				MS/MSD	Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands; subsurface soil collected from 1-2' bgs.
DU07-S006	HA	Surface Soil	2'	0-1'	0-1'	DU07-S002-00-01		X		X					Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands.
DU07-S007	HA	Subsurface Soil	2'	1-2'	1-10'	DU07-S002-01-02		X		X					Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands; subsurface soil collected from 1-2' bgs.
DU07-S007	HA	Surface Soil	2'	0-1'	0-1'	DU07-S002-00-01		X		X					Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands.
DU07-S008	DP	Subsurface Soil	10'	1-10'	1-10'	DU07-S008-01-10		X		X					
DU07-S008	DP	Surface Soil	10'	0-1'	0-1'	DU07-S008-00-01		X		X					
DU07-S009	HA	Subsurface Soil	2'	1-2'	1-10'	DU07-S002-01-02		X		X					Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands; subsurface soil collected from 1-2' bgs.
DU07-S009	HA	Surface Soil	2'	0-1'	0-1'	DU07-S002-00-01		X		X					Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands.
DU07-S010	HA	Subsurface Soil	2'	1-2'	1-10'	DU07-S002-01-03		X		X				MS/MSD	Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands; subsurface soil collected from 1-2' bgs.
DU07-S010	HA	Surface Soil	2'	0-1'	0-1'	DU07-S002-00-01		X		X					Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands.
DU07-S011	HA	Subsurface Soil	2'	1-2'	1-10'	DU07-S002-01-02		X		X	X		FD		Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands; subsurface soil collected from 1-2' bgs.
DU07-S011	HA	Surface Soil	2'	0-1'	0-1'	DU07-S002-00-01		X		X					Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands.
DU07-S012	DP	Subsurface Soil	10'	1-10'	1-10'	DU07-S012-01-10		X		X					
DU07-S012	DP	Surface Soil	10'	0-1'	0-1'	DU07-S012-00-01		X		X					
DU07-S013	DP	Subsurface Soil	10'	1-10'	1-10'	DU07-S013-01-10		X		X					
DU07-S013	DP	Surface Soil	10'	0-1'	0-1'	DU07-S013-00-01		X		X					
DU07-S014	HA	Subsurface Soil	2'	1-2'	1-10'	DU07-S002-01-02		X		X					Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands; subsurface soil collected from 1-2' bgs.
DU07-S014	HA	Surface Soil	2'	0-1'	0-1'	DU07-S002-00-01		X		X					Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands.
DU07-S015	HA	Subsurface Soil	2'	1-2'	1-10'	DU07-S002-01-02		X		X				MS/MSD	Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands; subsurface soil collected from 1-2' bgs.
DU07-S015	HA	Surface Soil	2'	0-1'	0-1'	DU07-S002-00-01		X		X					Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands.
DU07-S016	DP	Subsurface Soil	10'	1-10'	1-10'	DU07-S016-01-10		X		X					
DU07-S016	DP	Surface Soil	10'	0-1'	0-1'	DU07-S016-00-01		X		X					

Notes:
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Camp Hero Remedial Investigation
Montauk, New York

Location ID	Investigation Method	Media	Boring Depth	Actual Sample Depth	Planned Sample Depth	Field Sample ID	Parameters Collected						QC Samples Collected		Comment/Deviations from the SAP
							VOCs	SVOCs	PCBs	Metals	Cr^{6+} (pH/ORP)	GeoTech	FD	MS/ MSD	
DU09															
DU09-S001	HA	Surface Soil	N/A	0-1'	0-1'	DU09-S001-00-01				X	X				
DU09-S002	HA	Surface Soil	N/A	0-1'	0-1'	DU09-S002-00-01				X					
DU09-S003	HA	Surface Soil	N/A	0-1'	0-1'	DU09-S003-00-01				X			FD		
DU09-S004	HA	Surface Soil	N/A	0-1'	0-1'	DU09-S004-00-01				X					
DU09-S005	HA	Surface Soil	N/A	0-1'	0-1'	DU09-S005-00-01				X					
DU09-S006	HA	Surface Soil	N/A	0-1'	0-1'	DU09-S006-00-01				X					
DU09-S007	HA	Surface Soil	N/A	0-1'	0-1'	DU09-S007-00-01				X					
DU09-S008	HA	Surface Soil	N/A	0-1'	0-1'	DU09-S008-00-01				X			FD		
DU09-S009	HA	Surface Soil	N/A	0-1'	0-1'	DU09-S009-00-01				X					
DU09-S010	HA	Surface Soil	N/A	0-1'	0-1'	DU09-S010-00-01				X					
DU09-S011	HA	Surface Soil	N/A	0-1'	0-1'	DU09-S011-00-01				X	X				
DU09-S012	HA	Surface Soil	N/A	0-1'	0-1'	DU09-S012-00-01				X					
DU09-S013	HA	Surface Soil	N/A	0-1'	0-1'	DU09-S013-00-01				X					
DU09-S014	HA	Surface Soil	N/A	0-1'	0-1'	DU09-S014-00-01				X			FD		
DU09-S015	HA	Surface Soil	N/A	0-1'	0-1'	DU09-S015-00-01				X					
DU09-S016	HA	Surface Soil	N/A	0-1'	0-1'	DU09-S016-00-01				X					
DU10															
DU10-S001	HA	Surface Soil	N/A	0-1'	0-1'	DU10-S001-00-01				X	X				
DU10-S002	HA	Surface Soil	N/A	0-1'	0-1'	DU10-S002-00-01				X					
DU10-S003	HA	Surface Soil	N/A	0-1'	0-1'	DU10-S003-00-01				X			FD		
DU10-S004	HA	Surface Soil	N/A	0-1'	0-1'	DU10-S004-00-01				X					
DU10-S005	HA	Surface Soil	N/A	0-1'	0-1'	DU10-S005-00-01				X					
DU10-S006	HA	Surface Soil	N/A	0-1'	0-1'	DU10-S006-00-01				X					
DU10-S007	HA	Surface Soil	N/A	0-1'	0-1'	DU10-S007-00-01				X					
DU10-S008	HA	Surface Soil	N/A	0-1'	0-1'	DU10-S008-00-01				X					
DU10-S009	HA	Surface Soil	N/A	0-1'	0-1'	DU10-S009-00-01				X			FD		
DU10-S010	HA	Surface Soil	N/A	0-1'	0-1'	DU10-S010-00-01				X					
DU10-S011	HA	Surface Soil	N/A	0-1'	0-1'	DU10-S011-00-01				X	X				
DU10-S012	HA	Surface Soil	N/A	0-1'	0-1'	DU10-S012-00-01				X					
DU10-S013	HA	Surface Soil	N/A	0-1'	0-1'	DU10-S013-00-01				X					
DU10-S014	HA	Surface Soil	N/A	0-1'	0-1'	DU10-S014-00-01				X					
DU10-S015	HA	Surface Soil	N/A	0-1'	0-1'	DU10-S015-00-01				X					
DU10-S016	HA	Surface Soil	N/A	0-1'	0-1'	DU10-S016-00-01				X					
DU11															
DU11-S001	HA	Surface Soil	N/A	0-1'	0-1'	DU11-S001-00-01		X		X	X				
DU11-S002	HA	Surface Soil	N/A	0-1'	0-1'	DU11-S002-00-01		X		X					
DU11-S003	HA	Surface Soil	N/A	0-1'	0-1'	DU11-S003-00-01		X		X					
DU11-S004	HA	Surface Soil	N/A	0-1'	0-1'	DU11-S004-00-01		X		X					
DU11-S005	HA	Surface Soil	N/A	0-1'	0-1'	DU11-S005-00-01		X		X					
DU11-S006	HA	Surface Soil	N/A	0-1'	0-1'	DU11-S006-00-01		X		X					
DU11-S007	HA	Surface Soil	N/A	0-1'	0-1'	DU11-S007-00-01		X		X					
DU11-S008	HA	Surface Soil	N/A	0-1'	0-1'	DU11-S008-00-01		X		X					
DU11-S009	HA	Surface Soil	N/A	0-1'	0-1'	DU11-S009-00-01		X		X					
DU11-S010	HA	Surface Soil	N/A	0-1'	0-1'	DU11-S010-00-01		X		X					
DU11-S011	HA	Surface Soil	N/A	0-1'	0-1'	DU11-S011-00-01		X		X	X				
DU11-S012	HA	Surface Soil	N/A	0-1'	0-1'	DU11-S012-00-01		X		X					
DU11-S013	HA	Surface Soil	N/A	0-1'	0-1'	DU11-S013-00-01		X		X					
DU11-S014	HA	Surface Soil	N/A	0-1'	0-1'	DU11-S014-00-01		X		X					
DU11-S015	HA	Surface Soil	N/A	0-1'	0-1'	DU11-S015-00-01		X		X					
DU11-S016	HA	Surface Soil	N/A	0-1'	0-1'	DU11-S016-00-01		X		X					
DU12															
DU12-S001	DP	Subsurface Soil	10'	1-10'	1-10'	DU12-S001-01-10		X					FD		
DU12-S001	DP	Surface Soil	10'	0-1'	0-1'	DU12-S001-00-01		X							
DU12-S002	DP	Subsurface Soil	10'	1-10'	1-10'	DU12-S002-01-10		X							
DU12-S002	DP	Surface Soil	10'	0-1'	0-1'	DU12-S002-00-01		X							
DU12-S003	DP	Subsurface Soil	10'	1-10'	1-10'	DU12-S003-01-10		X							
DU12-S003	DP	Surface Soil	10'	0-1'	0-1'	DU12-S003-00-01		X							
DU12-S004	DP	Subsurface Soil	10'	1-10'	1-10'	DU12-S004-01-10		X					FD		
DU12-S004	DP	Surface Soil	10'	0-1'	0-1'	DU12-S004-00-01		X							
DU12-S005	DP	Subsurface Soil	10'	1-10'	1-10'	DU12-S005-01-10		X							
DU12-S005	DP	Surface Soil	10'	0-1'	0-1'	DU12-S005-00-01		X							
DU12-S006	DP	Subsurface Soil	10'	1-10'	1-10'	DU12-S006-01-10		X							
DU12-S006	DP	Surface Soil	10'	0-1'	0-1'	DU12-S006-00-01		X							

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							VOCs	SVOCs	PCBs	Metals	Cr^{6+} (pH/ORP)	GeoTech	FD	MS/ MSD	
DU12-S007	DP	Subsurface Soil	10'	1-10'	1-10'	DU12-S007-01-10		X					FD		
DU12-S007	DP	Surface Soil	10'	0-1'	0-1'	DU12-S007-00-01		X							
DU12-S008	DP	Subsurface Soil	10'	1-10'	1-10'	DU12-S008-01-10		X							
DU12-S008	DP	Surface Soil	10'	0-1'	0-1'	DU12-S008-00-01		X							
DU12-S009	DP	Subsurface Soil	10'	1-10'	1-10'	DU12-S009-01-10		X							
DU12-S009	DP	Surface Soil	10'	0-1'	0-1'	DU12-S009-00-01		X							
DU12-S010	DP	Subsurface Soil	10'	1-10'	1-10'	DU12-S010-01-10		X					FD		
DU12-S010	DP	Surface Soil	10'	0-1'	0-1'	DU12-S010-00-01		X							
DU12-S011	DP	Subsurface Soil	10'	1-10'	1-10'	DU12-S011-01-10		X							
DU12-S011	DP	Surface Soil	10'	0-1'	0-1'	DU12-S011-00-01		X							
DU12-S012	DP	Subsurface Soil	10'	1-10'	1-10'	DU12-S012-01-10		X							
DU12-S012	DP	Surface Soil	10'	0-1'	0-1'	DU12-S012-00-01		X							
DU12-S013	DP	Subsurface Soil	10'	1-10'	1-10'	DU12-S013-01-10		X					FD		
DU12-S013	DP	Surface Soil	10'	0-1'	0-1'	DU12-S013-00-01		X							
DU12-S014	DP	Subsurface Soil	10'	1-10'	1-10'	DU12-S014-01-10		X							
DU12-S014	DP	Surface Soil	10'	0-1'	0-1'	DU12-S014-00-01		X							
DU12-S015	DP	Subsurface Soil	10'	1-10'	1-10'	DU12-S015-01-10		X							
DU12-S015	DP	Surface Soil	10'	0-1'	0-1'	DU12-S015-00-01		X							
DU12-S016	DP	Subsurface Soil	10'	1-10'	1-10'	DU12-S016-01-10		X							
DU12-S016	DP	Surface Soil	10'	0-1'	0-1'	DU12-S016-00-01		X							
DU13															
DU13-S001	HA	Surface Soil	N/A	0-1'	0-1'	DU13-S001-00-01				X	X				
DU13-S002	HA	Surface Soil	N/A	0-1'	0-1'	DU13-S002-00-01				X			FD		
DU13-S003	HA	Surface Soil	N/A	0-1'	0-1'	DU13-S003-00-01				X					
DU13-S004	HA	Surface Soil	N/A	0-1'	0-1'	DU13-S004-00-01				X					
DU13-S005	HA	Surface Soil	N/A	0-1'	0-1'	DU13-S005-00-01				X					
DU13-S006	HA	Surface Soil	N/A	0-1'	0-1'	DU13-S006-00-01				X					
DU13-S007	HA	Surface Soil	N/A	0-1'	0-1'	DU13-S007-00-01				X					
DU13-S008	HA	Surface Soil	N/A	0-1'	0-1'	DU13-S008-00-01				X					
DU13-S009	HA	Surface Soil	N/A	0-1'	0-1'	DU13-S009-00-01				X			FD		
DU13-S010	HA	Surface Soil	N/A	0-1'	0-1'	DU13-S010-00-01				X					
DU13-S011	HA	Surface Soil	N/A	0-1'	0-1'	DU13-S011-00-01				X	X				
DU13-S012	HA	Surface Soil	N/A	0-1'	0-1'	DU13-S012-00-01				X					
DU13-S013	HA	Surface Soil	N/A	0-1'	0-1'	DU13-S013-00-01				X					
DU13-S014	HA	Surface Soil	N/A	0-1'	0-1'	DU13-S014-00-01				X					
DU13-S015	HA	Surface Soil	N/A	0-1'	0-1'	DU13-S015-00-01				X			FD		
DU13-S016	HA	Surface Soil	N/A	0-1'	0-1'	DU13-S016-00-01				X					
DU14															
DU14-S001	DP	Subsurface Soil	10'	1-10'	1-10'	DU14-S001-01-10		X							
DU14-S001	DP	Surface Soil	10'	0-1'	0-1'	DU14-S001-00-01		X							
DU14-S002	DP	Subsurface Soil	10'	1-10'	1-10'	DU14-S002-01-10		X					FD		
DU14-S002	DP	Surface Soil	10'	0-1'	0-1'	DU14-S002-00-01		X							
DU14-S003	DP	Subsurface Soil	10'	1-10'	1-10'	DU14-S003-01-10		X							
DU14-S003	DP	Surface Soil	10'	0-1'	0-1'	DU14-S003-00-01		X							
DU14-S004	DP	Subsurface Soil	10'	1-10'	1-10'	DU14-S004-01-10		X					FD		
DU14-S004	DP	Surface Soil	10'	0-1'	0-1'	DU14-S004-00-01		X							
DU14-S005	DP	Subsurface Soil	10'	1-10'	1-10'	DU14-S005-01-10		X							
DU14-S005	DP	Surface Soil	10'	0-1'	0-1'	DU14-S005-00-01		X							
DU14-S006	DP	Subsurface Soil	10'	1-10'	1-10'	DU14-S006-01-10		X					FD		
DU14-S006	DP	Surface Soil	10'	0-1'	0-1'	DU14-S006-00-01		X							
DU14-S007	DP	Subsurface Soil	10'	1-10'	1-10'	DU14-S007-01-10		X							
DU14-S007	DP	Surface Soil	10'	0-1'	0-1'	DU14-S007-00-01		X							
DU14-S008	DP	Subsurface Soil	10'	1-10'	1-10'	DU14-S008-01-10		X					FD		
DU14-S008	DP	Surface Soil	10'	0-1'	0-1'	DU14-S008-00-01		X							
DU14-S009	DP	Subsurface Soil	10'	1-10'	1-10'	DU14-S009-01-10		X							
DU14-S009	DP	Surface Soil	10'	0-1'	0-1'	DU14-S009-00-01		X							
DU14-S010	DP	Subsurface Soil	10'	1-10'	1-10'	DU14-S010-01-10		X					FD		
DU14-S010	DP	Surface Soil	10'	0-1'	0-1'	DU14-S010-00-01		X							
DU14-S011	DP	Subsurface Soil	10'	1-10'	1-10'	DU14-S011-01-10		X							
DU14-S011	DP	Surface Soil	10'	0-1'	0-1'	DU14-S011-00-01		X							
DU14-S012	DP	Subsurface Soil	10'	1-10'	1-10'	DU14-S012-01-10		X					FD		
DU14-S012	DP	Surface Soil	10'	0-1'	0-1'	DU14-S012-00-01		X							
DU14-S013	DP	Subsurface Soil	10'	1-10'	1-10'	DU14-S013-01-10		X							
DU14-S013	DP	Surface Soil	10'	0-1'	0-1'	DU14-S013-00-01		X							

Notes:
Investigation Method: HA = hand auger, DP = Direct Push Soil Boring, SN = Sonic Soil Boring
Cr^{6+} were analyzed in 10% of samples analyzed for TAL metals, along with pH and ORP to validate the analytical results relative to field conditions.

VOCs - Specific parameters from TCL based on preliminary screening evaluation results, plus NYSDEC STARs list
SVOCs - Selected TCL SVOCs based on preliminary screening evaluation, plus NYSDEC STARs list (includes full TCL PAHs plus NYSDEC STARs list)
PCBs - Polychlorinated biphenyls
Metals - Full TAL metals
GeoChem - Specific geochemical parameters to further evaluate the speciation of metals (such as hexavalent chromium) and to support the FS
GeoTech - Shelby tube collection for physical characteristic data to evaluate potential LNAPL response actions
ORP - Oxidation-Reduction Potential

Table 4-5
Summary of Phase III Soil Analytical Samples
Camp Hero Remedial Investigation
Montauk, New York

Location ID	Investigation Method	Media	Boring Depth	Actual Sample Depth	Planned Sample Depth	Field Sample ID	Parameters Collected						QC Samples Collected		Comment/Deviations from the SAP
							VOCs	SVOCs	PCBs	Metals	Cr^{6+} (pH/ORP)	GeoTech	FD	MS/ MSD	
DU14-S014	DP	Subsurface Soil	10'	1-10'	1-10'	DU14-S014-01-10		X							
DU14-S014	DP	Surface Soil	10'	0-1'	0-1'	DU14-S014-00-01		X							
DU14-S015	DP	Subsurface Soil	10'	1-10'	1-10'	DU14-S015-01-10		X							
DU14-S015	DP	Surface Soil	10'	0-1'	0-1'	DU14-S015-00-01		X							
DU14-S016	DP	Subsurface Soil	10'	1-10'	1-10'	DU14-S016-01-10		X							
DU14-S016	DP	Surface Soil	10'	0-1'	0-1'	DU14-S016-00-01		X							
DU15															
DU15-S001	HA	Subsurface Soil	2'	1-2'	1-10'	DU15-S001-01-02			X				FD		Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands; subsurface soil collected from 1-2' bgs.
DU15-S001	HA	Surface Soil	2'	0-1'	0-1'	DU15-S001-00-01			X	X	X				Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands.
DU15-S002	HA	Subsurface Soil	2'	1-2'	1-10'	DU15-S002-01-02			X						Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands; subsurface soil collected from 1-2' bgs.
DU15-S002	HA	Surface Soil	2'	0-1'	0-1'	DU15-S002-00-01			X	X					Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands.
DU15-S003	HA	Subsurface Soil	2'	1-2'	1-10'	DU15-S003-01-02			X				FD		Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands; subsurface soil collected from 1-2' bgs.
DU15-S003	HA	Surface Soil	2'	0-1'	0-1'	DU15-S003-00-01			X	X					Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands.
DU15-S004	HA	Subsurface Soil	2'	1-2'	1-10'	DU15-S004-01-02			X						Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands; subsurface soil collected from 1-2' bgs.
DU15-S004	HA	Surface Soil	2'	0-1'	0-1'	DU15-S004-00-01			X	X					Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands.
DU15-S005	HA	Subsurface Soil	2'	1-2'	1-10'	DU15-S005-01-02			X				FD		Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands; subsurface soil collected from 1-2' bgs.
DU15-S005	HA	Surface Soil	2'	0-1'	0-1'	DU15-S005-00-01			X	X					Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands.
DU15-S006	HA	Subsurface Soil	2'	1-2'	1-10'	DU15-S006-01-02			X						Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands; subsurface soil collected from 1-2' bgs.
DU15-S006	HA	Surface Soil	2'	0-1'	0-1'	DU15-S006-00-01			X	X					Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands.
DU15-S007	HA	Subsurface Soil	2'	1-2'	1-10'	DU15-S007-01-02			X				FD		Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands; subsurface soil collected from 1-2' bgs.
DU15-S007	HA	Surface Soil	2'	0-1'	0-1'	DU15-S007-00-01			X	X					Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands.
DU15-S008	HA	Subsurface Soil	2'	1-2'	1-10'	DU15-S008-01-02			X						Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands; subsurface soil collected from 1-2' bgs.
DU15-S008	HA	Surface Soil	2'	0-1'	0-1'	DU15-S008-00-01			X	X					Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands.
DU15-S009	HA	Subsurface Soil	2'	1-2'	1-10'	DU15-S009-01-02			X						Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands; subsurface soil collected from 1-2' bgs.
DU15-S009	HA	Surface Soil	2'	0-1'	0-1'	DU15-S009-00-01			X	X					Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands.
DU15-S010	HA	Subsurface Soil	2'	1-2'	1-10'	DU15-S010-01-02			X					MS/MSD	Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands; subsurface soil collected from 1-2' bgs.
DU15-S010	HA	Surface Soil	2'	0-1'	0-1'	DU15-S010-00-01			X	X	X				Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands.
DU15-S011	HA	Subsurface Soil	2'	1-2'	1-10'	DU15-S011-01-02			X						Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands; subsurface soil collected from 1-2' bgs.
DU15-S011	HA	Surface Soil	2'	0-1'	0-1'	DU15-S011-00-01			X	X					Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands.
DU15-S012	HA	Subsurface Soil	2'	1-2'	1-10'	DU15-S012-01-02			X						Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands; subsurface soil collected from 1-2' bgs.
DU15-S012	HA	Surface Soil	2'	0-1'	0-1'	DU15-S012-00-01			X	X					Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands.
DU15-S013	HA	Subsurface Soil	2'	1-2'	1-10'	DU15-S013-01-02			X						Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands; subsurface soil collected from 1-2' bgs.
DU15-S013	HA	Surface Soil	2'	0-1'	0-1'	DU15-S013-00-01			X	X					Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands.
DU15-S014	HA	Subsurface Soil	2'	1-2'	1-10'	DU15-S014-01-02			X						Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands; subsurface soil collected from 1-2' bgs.
DU15-S014	HA	Surface Soil	2'	0-1'	0-1'	DU15-S014-00-01			X	X					Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands.
DU15-S015	HA	Subsurface Soil	2'	1-2'	1-10'	DU15-S015-01-02			X						Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands; subsurface soil collected from 1-2' bgs.
DU15-S015	HA	Surface Soil	2'	0-1'	0-1'	DU15-S015-00-01			X	X					Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands.
DU15-S016	HA	Subsurface Soil	2'	1-2'	1-10'	DU15-S016-01-02			X					MS/MSD	Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands; subsurface soil collected from 1-2' bgs.
DU15-S016	HA	Surface Soil	2'	0-1'	0-1'	DU15-S016-00-01			X	X					Samples collected via hand auger (instead of drill rig) to mitigate impacts to wetlands.
DU16															
DU16-S001	DP	Subsurface Soil	10'	1-10'	1-10'	DU16-S001-01-10		X							
DU16-S001	DP	Surface Soil	10'	0-1'	0-1'	DU16-S001-00-01		X							
DU16-S002	DP	Subsurface Soil	10'	1-10'	1-10'	DU16-S002-01-10		X							
DU16-S002	DP	Surface Soil	10'	0-1'	0-1'	DU16-S002-00-01		X							
DU16-S003	DP	Subsurface Soil	10'	1-10'	1-10'	DU16-S003-01-10		X							
DU16-S003	DP	Surface Soil	10'	0-1'	0-1'	DU16-S003-00-01		X							
DU16-S004	DP	Subsurface Soil	10'	1-10'	1-10'	DU16-S004-01-10		X							
DU16-S004	DP	Surface Soil	10'	0-1'	0-1'	DU16-S004-00-01		X							
DU16-S005	DP	Subsurface Soil	10'	1-10'	1-10'	DU16-S005-01-10		X							
DU16-S005	DP	Surface Soil	10'	0-1'	0-1'	DU16-S005-00-01		X							
DU16-S006	DP	Subsurface Soil	10'	1-10'	1-10'	DU16-S006-01-10		X							
DU16-S006	DP	Surface Soil	10'	0-1'	0-1'	DU16-S006-00-01		X							
DU16-S007	DP	Subsurface Soil	10'	1-10'	1-10'	DU16-S007-01-10		X					FD		
DU16-S007	DP	Surface Soil	10'	0-1'	0-1'	DU16-S007-00-01		X							
DU16-S008	DP	Subsurface Soil	10'	1-10'	1-10'	DU16-S008-01-10		X							
DU16-S008	DP	Surface Soil	10'	0-1'	0-1'	DU16-S008-00-01		X							
DU16-S009	DP	Subsurface Soil	10'	1-10'	1-10'	DU16-S009-01-10		X							
DU16-S009	DP	Surface Soil	10'	0-1'	0-1'	DU16-S009-00-01		X							
DU16-S010	DP	Subsurface Soil	10'	1-10'	1-10'	DU16-S010-01-10		X							
DU16-S010	DP	Surface Soil	10'	0-1'	0-1'	DU16-S010-00-01		X							
DU16-S011	DP	Subsurface Soil	10'	1-10'	1-10'	DU16-S011-01-10		X							
DU16-S011	DP	Surface Soil	10'	0-1'	0-1'	DU16-S011-00-01		X							
DU16-S012	DP	Subsurface Soil	10'	1-10'	1-10'	DU16-S012-01-10		X							

Notes:
Investigation Method: HA = hand auger, DP = Direct Push Soil Boring, SN = Sonic Soil Boring
Cr^{6+} were analyzed in 10% of samples analyzed for TAL metals, along with pH and ORP to validate the analytical results relative to field conditions.

VOCs - Specific parameters from TCL based on preliminary screening evaluation results, plus NYSDEC STARs list
SVOCs - Selected TCL SVOCs based on preliminary screening evaluation, plus NYSDEC STARs list (includes full TCL PAHs plus NYSDEC STARs list)
PCBs - Polychlorinated biphenyls
Metals - Full TAL metals
GeoChem - Specific geochemical parameters to further evaluate the speciation of metals (such as hexavalent chromium) and to support the FS
GeoTech - Shelby tube collection for physical characteristic data to evaluate potential LNAPL response actions
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Table 4-5
Summary of Phase III Soil Analytical Samples
Camp Hero Remedial Investigation
Montauk, New York

Location ID	Investigation Method	Media	Boring Depth	Actual Sample Depth	Planned Sample Depth	Field Sample ID	Parameters Collected						QC Samples Collected		Comment/Deviations from the SAP
							VOCs	SVOCs	PCBs	Metals	Cr^{6+} (pH/ORP)	GeoTech	FD	MS/ MSD	
DU16-S012	DP	Surface Soil	10'	0-1'	0-1'	DU16-S012-00-01		X							
DU16-S013	DP	Subsurface Soil	10'	1-10'	1-10'	DU16-S013-01-10		X							
DU16-S013	DP	Surface Soil	10'	0-1'	0-1'	DU16-S013-00-01		X							
DU16-S014	DP	Subsurface Soil	10'	1-10'	1-10'	DU16-S014-01-10		X							
DU16-S014	DP	Surface Soil	10'	0-1'	0-1'	DU16-S014-00-01		X							
DU16-S015	DP	Subsurface Soil	10'	1-10'	1-10'	DU16-S015-01-10		X							
DU16-S015	DP	Surface Soil	10'	0-1'	0-1'	DU16-S015-00-01		X							
DU16-S016	DP	Subsurface Soil	10'	1-10'	1-10'	DU16-S016-01-10		X							
DU16-S016	DP	Surface Soil	10'	0-1'	0-1'	DU16-S016-00-01		X							
DU17															
DU17-S001	HA	Surface Soil	N/A	0-1'	0-1'	DU17-S001-00-01				X	X				
DU17-S002	HA	Surface Soil	N/A	0-1'	0-1'	DU17-S002-00-01				X					
DU17-S003	HA	Surface Soil	N/A	0-1'	0-1'	DU17-S003-00-01				X			FD		
DU17-S004	HA	Surface Soil	N/A	0-1'	0-1'	DU17-S004-00-01				X					
DU17-S005	HA	Surface Soil	N/A	0-1'	0-1'	DU17-S005-00-01				X					
DU17-S006	HA	Surface Soil	N/A	0-1'	0-1'	DU17-S006-00-01				X					
DU17-S007	HA	Surface Soil	N/A	0-1'	0-1'	DU17-S007-00-01				X					
DU17-S008	HA	Surface Soil	N/A	0-1'	0-1'	DU17-S008-00-01				X					
DU17-S009	HA	Surface Soil	N/A	0-1'	0-1'	DU17-S009-00-01				X					
DU17-S010	HA	Surface Soil	N/A	0-1'	0-1'	DU17-S010-00-01				X					
DU17-S011	HA	Surface Soil	N/A	0-1'	0-1'	DU17-S011-00-01				X	X				
DU17-S012	HA	Surface Soil	N/A	0-1'	0-1'	DU17-S012-00-01				X					
DU17-S013	HA	Surface Soil	N/A	0-1'	0-1'	DU17-S013-00-01				X					
DU17-S014	HA	Surface Soil	N/A	0-1'	0-1'	DU17-S014-00-01				X					
DU17-S015	HA	Surface Soil	N/A	0-1'	0-1'	DU17-S015-00-01				X					
DU17-S016	HA	Surface Soil	N/A	0-1'	0-1'	DU17-S016-00-01				X					
DU18															
DU18-S001	HA	Surface Soil	N/A	0-1'	0-1'	DU18-S001-00-01				X	X				
DU18-S002	HA	Surface Soil	N/A	0-1'	0-1'	DU18-S002-00-01				X					
DU18-S003	HA	Surface Soil	N/A	0-1'	0-1'	DU18-S003-00-01				X					
DU18-S004	HA	Surface Soil	N/A	0-1'	0-1'	DU18-S004-00-01				X			FD		
DU18-S005	HA	Surface Soil	N/A	0-1'	0-1'	DU18-S005-00-01				X					
DU18-S006	HA	Surface Soil	N/A	0-1'	0-1'	DU18-S006-00-01				X					
DU18-S007	HA	Surface Soil	N/A	0-1'	0-1'	DU18-S007-00-01				X					
DU18-S008	HA	Surface Soil	N/A	0-1'	0-1'	DU18-S008-00-01				X					
DU18-S009	HA	Surface Soil	N/A	0-1'	0-1'	DU18-S009-00-01				X					
DU18-S010	HA	Surface Soil	N/A	0-1'	0-1'	DU18-S010-00-01				X					
DU18-S011	HA	Surface Soil	N/A	0-1'	0-1'	DU18-S011-00-01				X	X				
DU18-S012	HA	Surface Soil	N/A	0-1'	0-1'	DU18-S012-00-01				X					
DU18-S013	HA	Surface Soil	N/A	0-1'	0-1'	DU18-S013-00-01				X					
DU18-S014	HA	Surface Soil	N/A	0-1'	0-1'	DU18-S014-00-01				X					
DU18-S015	HA	Surface Soil	N/A	0-1'	0-1'	DU18-S015-00-01				X					
DU18-S016	HA	Surface Soil	N/A	0-1'	0-1'	DU18-S016-00-01				X					

Notes:
Investigation Method: HA = hand auger, DP = Direct Push Soil Boring, SN = Sonic Soil Boring
Cr^{6+} were analyzed in 10% of samples analyzed for TAL metals, along with pH and ORP to validate the analytical results relative to field conditions.

VOCs - Specific parameters from TCL based on preliminary screening evaluation results, plus NYSDEC STARs list
SVOCs - Selected TCL SVOCs based on preliminary screening evaluation, plus NYSDEC STARs list (includes full TCL PAHs plus NYSDEC STARs list)
PCBs - Polychlorinated biphenyls
Metals - Full TAL metals
GeoChem - Specific geochemical parameters to further evaluate the speciation of metals (such as hexavalent chromium) and to support the FS
GeoTech - Shelby tube collection for physical characteristic data to evaluate potential LNAPL response actions
ORP - Oxidation-Reduction Potential

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Appendix C

Community Air Monitoring Data

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Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

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Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530101704
Firmware Version	3.5
Calibration Date	4/18/2017
Test Name	MANUAL_001
Test Start Time	8:17:03 AM
Test Start Date	6/5/2017
Test Length [D:H:M]	0:00:00
Test Interval [M:S]	0:10
Mass Average [mg/m3]	0.051
Mass Minimum [mg/m3]	0.028
Mass Maximum [mg/m3]	0.074
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	2

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
10	0.074		
20	0.028		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530101704
Firmware Version	3.5
Calibration Date	4/18/2017
Test Name	MANUAL_002
Test Start Time	8:17:50 AM
Test Start Date	6/5/2017
Test Length [D:H:M]	0:00:00
Test Interval [M:S]	0:10
Mass Average [mg/m3]	0.04
Mass Minimum [mg/m3]	0.039
Mass Maximum [mg/m3]	0.041
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	4

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
10	0.04		
20	0.039		
30	0.04		

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

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40	0.041
Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530101704
Firmware Version	3.5
Calibration Date	4/18/2017
Test Name	MANUAL_003
Test Start Time	9:14:46 AM
Test Start Date	6/5/2017
Test Length [D:H:M]	0:00:01
Test Interval [M:S]	0:10
Mass Average [mg/m3]	0.064
Mass Minimum [mg/m3]	0.027
Mass Maximum [mg/m3]	0.305
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	10

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
10	0.027		
20	0.028		
30	0.028		
40	0.305		
50	0.079		
60	0.036		
70	0.034		
80	0.033		
90	0.033		
100	0.033		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530101704
Firmware Version	3.5
Calibration Date	4/18/2017
Test Name	MANUAL_004
Test Start Time	9:20:15 AM
Test Start Date	6/5/2017
Test Length [D:H:M]	0:05:14
Test Interval [M:S]	0:10
Mass Average [mg/m3]	0.026
Mass Minimum [mg/m3]	0.019
Mass Maximum [mg/m3]	0.081
Mass TWA [mg/m3]	0.017

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	1884

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
10	0.033		
20	0.035		
30	0.035		
40	0.036		
50	0.035		
60	0.035		
70	0.036		
80	0.035		
90	0.035		
100	0.035		
110	0.035		
120	0.036		
130	0.035		
140	0.035		
150	0.036		
160	0.034		
170	0.035		
180	0.035		
190	0.034		
200	0.034		
210	0.033		
220	0.032		
230	0.033		
240	0.032		
250	0.033		
260	0.033		
270	0.032		
280	0.032		
290	0.031		
300	0.032		
310	0.031		
320	0.032		
330	0.03		
340	0.03		
350	0.031		
360	0.031		
370	0.032		
380	0.032		
390	0.034		
400	0.032		
410	0.032		

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

420	0.031
430	0.031
440	0.031
450	0.031
460	0.032
470	0.031
480	0.032
490	0.031
500	0.03
510	0.03
520	0.03
530	0.03
540	0.03
550	0.03
560	0.028
570	0.03
580	0.031
590	0.03
600	0.029
610	0.029
620	0.03
630	0.032
640	0.031
650	0.031
660	0.03
670	0.03
680	0.03
690	0.031
700	0.03
710	0.028
720	0.029
730	0.03
740	0.029
750	0.03
760	0.031
770	0.03
780	0.03
790	0.03
800	0.03
810	0.031
820	0.031
830	0.031
840	0.032
850	0.031
860	0.031
870	0.031
880	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

890	0.031
900	0.03
910	0.029
920	0.03
930	0.03
940	0.03
950	0.031
960	0.029
970	0.031
980	0.03
990	0.029
1000	0.03
1010	0.03
1020	0.029
1030	0.032
1040	0.03
1050	0.031
1060	0.031
1070	0.03
1080	0.03
1090	0.029
1100	0.03
1110	0.03
1120	0.029
1130	0.034
1140	0.03
1150	0.029
1160	0.031
1170	0.03
1180	0.03
1190	0.031
1200	0.031
1210	0.031
1220	0.03
1230	0.03
1240	0.03
1250	0.03
1260	0.03
1270	0.032
1280	0.03
1290	0.031
1300	0.031
1310	0.033
1320	0.031
1330	0.032
1340	0.032
1350	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

1360	0.033
1370	0.031
1380	0.031
1390	0.032
1400	0.031
1410	0.03
1420	0.031
1430	0.032
1440	0.033
1450	0.032
1460	0.033
1470	0.033
1480	0.034
1490	0.033
1500	0.035
1510	0.034
1520	0.034
1530	0.034
1540	0.034
1550	0.034
1560	0.034
1570	0.034
1580	0.036
1590	0.035
1600	0.033
1610	0.032
1620	0.032
1630	0.031
1640	0.031
1650	0.032
1660	0.033
1670	0.032
1680	0.031
1690	0.032
1700	0.032
1710	0.034
1720	0.033
1730	0.033
1740	0.033
1750	0.033
1760	0.033
1770	0.033
1780	0.034
1790	0.034
1800	0.031
1810	0.028
1820	0.028

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

1830	0.029
1840	0.028
1850	0.03
1860	0.029
1870	0.031
1880	0.03
1890	0.031
1900	0.032
1910	0.032
1920	0.03
1930	0.029
1940	0.03
1950	0.031
1960	0.029
1970	0.029
1980	0.029
1990	0.03
2000	0.03
2010	0.029
2020	0.029
2030	0.031
2040	0.032
2050	0.031
2060	0.031
2070	0.031
2080	0.034
2090	0.033
2100	0.033
2110	0.03
2120	0.029
2130	0.029
2140	0.028
2150	0.029
2160	0.029
2170	0.03
2180	0.031
2190	0.03
2200	0.029
2210	0.029
2220	0.024
2230	0.026
2240	0.027
2250	0.028
2260	0.028
2270	0.028
2280	0.028
2290	0.025

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

2300	0.024
2310	0.025
2320	0.028
2330	0.027
2340	0.026
2350	0.023
2360	0.023
2370	0.024
2380	0.024
2390	0.026
2400	0.025
2410	0.027
2420	0.028
2430	0.03
2440	0.029
2450	0.027
2460	0.022
2470	0.022
2480	0.023
2490	0.025
2500	0.022
2510	0.022
2520	0.023
2530	0.024
2540	0.024
2550	0.025
2560	0.024
2570	0.024
2580	0.024
2590	0.023
2600	0.024
2610	0.024
2620	0.025
2630	0.024
2640	0.022
2650	0.024
2660	0.033
2670	0.03
2680	0.032
2690	0.028
2700	0.021
2710	0.021
2720	0.024
2730	0.044
2740	0.081
2750	0.047
2760	0.027

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

2770	0.025
2780	0.033
2790	0.038
2800	0.03
2810	0.027
2820	0.026
2830	0.022
2840	0.022
2850	0.023
2860	0.022
2870	0.021
2880	0.022
2890	0.022
2900	0.02
2910	0.021
2920	0.026
2930	0.029
2940	0.022
2950	0.019
2960	0.019
2970	0.02
2980	0.021
2990	0.026
3000	0.023
3010	0.021
3020	0.021
3030	0.022
3040	0.021
3050	0.019
3060	0.019
3070	0.019
3080	0.02
3090	0.019
3100	0.02
3110	0.02
3120	0.02
3130	0.021
3140	0.02
3150	0.019
3160	0.023
3170	0.022
3180	0.023
3190	0.022
3200	0.024
3210	0.022
3220	0.023
3230	0.027

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

3240	0.027
3250	0.03
3260	0.026
3270	0.025
3280	0.021
3290	0.02
3300	0.021
3310	0.021
3320	0.019
3330	0.02
3340	0.022
3350	0.023
3360	0.02
3370	0.024
3380	0.025
3390	0.022
3400	0.022
3410	0.023
3420	0.025
3430	0.026
3440	0.026
3450	0.023
3460	0.022
3470	0.022
3480	0.021
3490	0.021
3500	0.023
3510	0.024
3520	0.023
3530	0.022
3540	0.023
3550	0.022
3560	0.021
3570	0.029
3580	0.026
3590	0.022
3600	0.021
3610	0.027
3620	0.033
3630	0.028
3640	0.024
3650	0.023
3660	0.023
3670	0.023
3680	0.028
3690	0.021
3700	0.024

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

3710	0.027
3720	0.026
3730	0.027
3740	0.034
3750	0.03
3760	0.03
3770	0.026
3780	0.026
3790	0.025
3800	0.028
3810	0.029
3820	0.029
3830	0.034
3840	0.034
3850	0.03
3860	0.033
3870	0.028
3880	0.032
3890	0.032
3900	0.032
3910	0.026
3920	0.027
3930	0.029
3940	0.031
3950	0.03
3960	0.028
3970	0.029
3980	0.026
3990	0.026
4000	0.028
4010	0.027
4020	0.029
4030	0.03
4040	0.029
4050	0.032
4060	0.026
4070	0.027
4080	0.026
4090	0.025
4100	0.026
4110	0.026
4120	0.025
4130	0.027
4140	0.024
4150	0.024
4160	0.025
4170	0.027

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

4180	0.027
4190	0.029
4200	0.03
4210	0.028
4220	0.027
4230	0.029
4240	0.029
4250	0.028
4260	0.026
4270	0.028
4280	0.025
4290	0.023
4300	0.027
4310	0.029
4320	0.035
4330	0.038
4340	0.031
4350	0.025
4360	0.027
4370	0.028
4380	0.025
4390	0.025
4400	0.024
4410	0.024
4420	0.029
4430	0.031
4440	0.034
4450	0.033
4460	0.032
4470	0.024
4480	0.027
4490	0.031
4500	0.029
4510	0.033
4520	0.033
4530	0.034
4540	0.031
4550	0.032
4560	0.032
4570	0.032
4580	0.031
4590	0.025
4600	0.029
4610	0.025
4620	0.025
4630	0.028
4640	0.025

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

4650	0.025
4660	0.027
4670	0.026
4680	0.025
4690	0.024
4700	0.026
4710	0.026
4720	0.03
4730	0.028
4740	0.028
4750	0.023
4760	0.027
4770	0.026
4780	0.032
4790	0.029
4800	0.024
4810	0.029
4820	0.033
4830	0.032
4840	0.033
4850	0.029
4860	0.027
4870	0.026
4880	0.028
4890	0.028
4900	0.025
4910	0.022
4920	0.025
4930	0.023
4940	0.022
4950	0.023
4960	0.02
4970	0.022
4980	0.022
4990	0.028
5000	0.025
5010	0.029
5020	0.022
5030	0.024
5040	0.023
5050	0.044
5060	0.036
5070	0.026
5080	0.023
5090	0.024
5100	0.022
5110	0.023

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

5120	0.023
5130	0.023
5140	0.023
5150	0.024
5160	0.023
5170	0.022
5180	0.021
5190	0.021
5200	0.022
5210	0.022
5220	0.019
5230	0.021
5240	0.023
5250	0.025
5260	0.025
5270	0.024
5280	0.023
5290	0.022
5300	0.024
5310	0.023
5320	0.027
5330	0.026
5340	0.026
5350	0.027
5360	0.024
5370	0.025
5380	0.02
5390	0.021
5400	0.022
5410	0.029
5420	0.029
5430	0.024
5440	0.023
5450	0.021
5460	0.02
5470	0.022
5480	0.023
5490	0.023
5500	0.021
5510	0.023
5520	0.025
5530	0.02
5540	0.023
5550	0.024
5560	0.024
5570	0.023
5580	0.024

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

5590	0.023
5600	0.023
5610	0.024
5620	0.022
5630	0.021
5640	0.022
5650	0.024
5660	0.025
5670	0.024
5680	0.026
5690	0.025
5700	0.026
5710	0.025
5720	0.033
5730	0.028
5740	0.026
5750	0.024
5760	0.022
5770	0.019
5780	0.025
5790	0.026
5800	0.031
5810	0.028
5820	0.026
5830	0.026
5840	0.025
5850	0.025
5860	0.024
5870	0.021
5880	0.021
5890	0.021
5900	0.022
5910	0.021
5920	0.022
5930	0.022
5940	0.023
5950	0.023
5960	0.024
5970	0.024
5980	0.023
5990	0.02
6000	0.02
6010	0.021
6020	0.021
6030	0.027
6040	0.025
6050	0.025

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

6060	0.026
6070	0.023
6080	0.023
6090	0.023
6100	0.021
6110	0.021
6120	0.02
6130	0.02
6140	0.021
6150	0.021
6160	0.022
6170	0.021
6180	0.019
6190	0.022
6200	0.021
6210	0.022
6220	0.022
6230	0.025
6240	0.022
6250	0.023
6260	0.022
6270	0.023
6280	0.02
6290	0.021
6300	0.022
6310	0.02
6320	0.019
6330	0.022
6340	0.021
6350	0.021
6360	0.023
6370	0.022
6380	0.024
6390	0.024
6400	0.023
6410	0.021
6420	0.019
6430	0.02
6440	0.02
6450	0.021
6460	0.02
6470	0.02
6480	0.02
6490	0.019
6500	0.02
6510	0.021
6520	0.021

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

6530	0.021
6540	0.022
6550	0.021
6560	0.021
6570	0.024
6580	0.025
6590	0.026
6600	0.025
6610	0.024
6620	0.025
6630	0.025
6640	0.023
6650	0.022
6660	0.021
6670	0.025
6680	0.023
6690	0.025
6700	0.025
6710	0.025
6720	0.025
6730	0.031
6740	0.021
6750	0.021
6760	0.022
6770	0.024
6780	0.025
6790	0.022
6800	0.022
6810	0.026
6820	0.025
6830	0.022
6840	0.022
6850	0.022
6860	0.022
6870	0.022
6880	0.022
6890	0.023
6900	0.022
6910	0.023
6920	0.024
6930	0.024
6940	0.024
6950	0.025
6960	0.024
6970	0.023
6980	0.021
6990	0.022

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

7000	0.023
7010	0.023
7020	0.024
7030	0.023
7040	0.022
7050	0.021
7060	0.021
7070	0.023
7080	0.022
7090	0.023
7100	0.022
7110	0.024
7120	0.023
7130	0.021
7140	0.024
7150	0.024
7160	0.025
7170	0.029
7180	0.023
7190	0.023
7200	0.025
7210	0.024
7220	0.029
7230	0.025
7240	0.025
7250	0.024
7260	0.023
7270	0.022
7280	0.023
7290	0.023
7300	0.022
7310	0.023
7320	0.023
7330	0.024
7340	0.024
7350	0.024
7360	0.024
7370	0.026
7380	0.025
7390	0.023
7400	0.023
7410	0.023
7420	0.023
7430	0.024
7440	0.025
7450	0.024
7460	0.026

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

7470	0.025
7480	0.025
7490	0.025
7500	0.025
7510	0.027
7520	0.027
7530	0.025
7540	0.026
7550	0.027
7560	0.025
7570	0.024
7580	0.022
7590	0.021
7600	0.022
7610	0.022
7620	0.024
7630	0.024
7640	0.025
7650	0.024
7660	0.024
7670	0.023
7680	0.022
7690	0.025
7700	0.03
7710	0.03
7720	0.029
7730	0.027
7740	0.028
7750	0.027
7760	0.028
7770	0.026
7780	0.026
7790	0.024
7800	0.025
7810	0.024
7820	0.024
7830	0.025
7840	0.025
7850	0.026
7860	0.025
7870	0.024
7880	0.023
7890	0.025
7900	0.024
7910	0.024
7920	0.026
7930	0.024

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

7940	0.027
7950	0.027
7960	0.032
7970	0.026
7980	0.026
7990	0.026
8000	0.025
8010	0.025
8020	0.025
8030	0.025
8040	0.025
8050	0.025
8060	0.027
8070	0.024
8080	0.023
8090	0.024
8100	0.025
8110	0.026
8120	0.024
8130	0.026
8140	0.025
8150	0.026
8160	0.025
8170	0.025
8180	0.025
8190	0.027
8200	0.029
8210	0.026
8220	0.025
8230	0.024
8240	0.024
8250	0.025
8260	0.024
8270	0.024
8280	0.024
8290	0.023
8300	0.022
8310	0.022
8320	0.022
8330	0.022
8340	0.022
8350	0.022
8360	0.022
8370	0.023
8380	0.025
8390	0.024
8400	0.024

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

8410	0.023
8420	0.024
8430	0.023
8440	0.028
8450	0.024
8460	0.024
8470	0.023
8480	0.026
8490	0.024
8500	0.025
8510	0.023
8520	0.024
8530	0.024
8540	0.023
8550	0.025
8560	0.026
8570	0.025
8580	0.024
8590	0.023
8600	0.023
8610	0.024
8620	0.022
8630	0.023
8640	0.024
8650	0.023
8660	0.023
8670	0.023
8680	0.023
8690	0.024
8700	0.023
8710	0.023
8720	0.024
8730	0.026
8740	0.023
8750	0.024
8760	0.023
8770	0.023
8780	0.025
8790	0.028
8800	0.026
8810	0.025
8820	0.023
8830	0.022
8840	0.023
8850	0.022
8860	0.022
8870	0.02

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

8880	0.021
8890	0.021
8900	0.022
8910	0.022
8920	0.021
8930	0.022
8940	0.022
8950	0.021
8960	0.025
8970	0.024
8980	0.023
8990	0.023
9000	0.022
9010	0.023
9020	0.023
9030	0.021
9040	0.021
9050	0.021
9060	0.021
9070	0.021
9080	0.023
9090	0.022
9100	0.02
9110	0.019
9120	0.02
9130	0.021
9140	0.02
9150	0.02
9160	0.02
9170	0.02
9180	0.021
9190	0.021
9200	0.02
9210	0.02
9220	0.02
9230	0.019
9240	0.02
9250	0.021
9260	0.022
9270	0.022
9280	0.022
9290	0.022
9300	0.025
9310	0.023
9320	0.025
9330	0.022
9340	0.021

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

9350	0.022
9360	0.023
9370	0.023
9380	0.024
9390	0.021
9400	0.023
9410	0.022
9420	0.022
9430	0.022
9440	0.021
9450	0.02
9460	0.019
9470	0.019
9480	0.02
9490	0.021
9500	0.022
9510	0.021
9520	0.022
9530	0.021
9540	0.021
9550	0.022
9560	0.022
9570	0.022
9580	0.022
9590	0.021
9600	0.023
9610	0.025
9620	0.022
9630	0.022
9640	0.023
9650	0.022
9660	0.021
9670	0.021
9680	0.024
9690	0.023
9700	0.023
9710	0.023
9720	0.023
9730	0.022
9740	0.02
9750	0.025
9760	0.023
9770	0.038
9780	0.033
9790	0.025
9800	0.026
9810	0.023

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

9820	0.023
9830	0.022
9840	0.021
9850	0.021
9860	0.021
9870	0.023
9880	0.022
9890	0.021
9900	0.021
9910	0.022
9920	0.021
9930	0.021
9940	0.02
9950	0.019
9960	0.019
9970	0.019
9980	0.021
9990	0.022
10000	0.021
10010	0.021
10020	0.021
10030	0.019
10040	0.02
10050	0.02
10060	0.022
10070	0.021
10080	0.02
10090	0.02
10100	0.021
10110	0.019
10120	0.019
10130	0.021
10140	0.019
10150	0.019
10160	0.021
10170	0.021
10180	0.019
10190	0.02
10200	0.024
10210	0.02
10220	0.02
10230	0.019
10240	0.02
10250	0.021
10260	0.021
10270	0.021
10280	0.021

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

10290	0.021
10300	0.023
10310	0.023
10320	0.023
10330	0.024
10340	0.026
10350	0.025
10360	0.022
10370	0.023
10380	0.022
10390	0.022
10400	0.022
10410	0.022
10420	0.021
10430	0.021
10440	0.022
10450	0.022
10460	0.021
10470	0.022
10480	0.022
10490	0.023
10500	0.022
10510	0.023
10520	0.024
10530	0.022
10540	0.023
10550	0.021
10560	0.022
10570	0.021
10580	0.021
10590	0.023
10600	0.022
10610	0.022
10620	0.024
10630	0.024
10640	0.025
10650	0.025
10660	0.023
10670	0.023
10680	0.022
10690	0.022
10700	0.024
10710	0.023
10720	0.022
10730	0.023
10740	0.023
10750	0.022

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

10760	0.023
10770	0.024
10780	0.025
10790	0.023
10800	0.023
10810	0.024
10820	0.024
10830	0.025
10840	0.023
10850	0.023
10860	0.023
10870	0.023
10880	0.021
10890	0.021
10900	0.024
10910	0.023
10920	0.024
10930	0.023
10940	0.021
10950	0.02
10960	0.025
10970	0.024
10980	0.024
10990	0.024
11000	0.024
11010	0.023
11020	0.025
11030	0.024
11040	0.024
11050	0.023
11060	0.023
11070	0.024
11080	0.023
11090	0.026
11100	0.023
11110	0.025
11120	0.025
11130	0.025
11140	0.025
11150	0.026
11160	0.022
11170	0.023
11180	0.025
11190	0.023
11200	0.023
11210	0.023
11220	0.026

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

11230	0.025
11240	0.024
11250	0.025
11260	0.023
11270	0.024
11280	0.025
11290	0.024
11300	0.026
11310	0.023
11320	0.023
11330	0.024
11340	0.025
11350	0.023
11360	0.023
11370	0.023
11380	0.023
11390	0.025
11400	0.023
11410	0.024
11420	0.024
11430	0.024
11440	0.024
11450	0.027
11460	0.025
11470	0.024
11480	0.025
11490	0.026
11500	0.024
11510	0.024
11520	0.024
11530	0.024
11540	0.025
11550	0.025
11560	0.023
11570	0.024
11580	0.023
11590	0.023
11600	0.024
11610	0.026
11620	0.027
11630	0.026
11640	0.023
11650	0.024
11660	0.025
11670	0.023
11680	0.023
11690	0.024

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

11700	0.026
11710	0.027
11720	0.023
11730	0.024
11740	0.025
11750	0.026
11760	0.025
11770	0.026
11780	0.026
11790	0.024
11800	0.025
11810	0.026
11820	0.026
11830	0.025
11840	0.026
11850	0.028
11860	0.026
11870	0.025
11880	0.025
11890	0.025
11900	0.025
11910	0.027
11920	0.026
11930	0.027
11940	0.028
11950	0.027
11960	0.026
11970	0.025
11980	0.023
11990	0.024
12000	0.024
12010	0.024
12020	0.026
12030	0.031
12040	0.025
12050	0.028
12060	0.025
12070	0.024
12080	0.024
12090	0.026
12100	0.027
12110	0.027
12120	0.028
12130	0.025
12140	0.025
12150	0.025
12160	0.026

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

12170	0.027
12180	0.029
12190	0.029
12200	0.028
12210	0.027
12220	0.026
12230	0.026
12240	0.026
12250	0.027
12260	0.027
12270	0.026
12280	0.027
12290	0.026
12300	0.027
12310	0.028
12320	0.028
12330	0.027
12340	0.027
12350	0.027
12360	0.027
12370	0.027
12380	0.027
12390	0.027
12400	0.027
12410	0.027
12420	0.027
12430	0.028
12440	0.029
12450	0.027
12460	0.029
12470	0.028
12480	0.028
12490	0.027
12500	0.027
12510	0.027
12520	0.027
12530	0.029
12540	0.026
12550	0.027
12560	0.027
12570	0.027
12580	0.027
12590	0.026
12600	0.026
12610	0.027
12620	0.026
12630	0.026

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

12640	0.026
12650	0.027
12660	0.027
12670	0.027
12680	0.028
12690	0.027
12700	0.026
12710	0.027
12720	0.027
12730	0.027
12740	0.027
12750	0.028
12760	0.029
12770	0.027
12780	0.027
12790	0.028
12800	0.028
12810	0.028
12820	0.027
12830	0.027
12840	0.027
12850	0.027
12860	0.026
12870	0.026
12880	0.026
12890	0.026
12900	0.027
12910	0.027
12920	0.028
12930	0.028
12940	0.027
12950	0.027
12960	0.026
12970	0.028
12980	0.027
12990	0.027
13000	0.027
13010	0.026
13020	0.029
13030	0.029
13040	0.029
13050	0.028
13060	0.029
13070	0.03
13080	0.03
13090	0.03
13100	0.03

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

13110	0.029
13120	0.029
13130	0.031
13140	0.032
13150	0.029
13160	0.029
13170	0.028
13180	0.029
13190	0.029
13200	0.031
13210	0.029
13220	0.029
13230	0.029
13240	0.027
13250	0.028
13260	0.028
13270	0.028
13280	0.027
13290	0.028
13300	0.028
13310	0.028
13320	0.027
13330	0.028
13340	0.029
13350	0.028
13360	0.028
13370	0.028
13380	0.027
13390	0.027
13400	0.028
13410	0.028
13420	0.028
13430	0.027
13440	0.028
13450	0.027
13460	0.027
13470	0.028
13480	0.027
13490	0.029
13500	0.027
13510	0.028
13520	0.028
13530	0.028
13540	0.027
13550	0.027
13560	0.027
13570	0.027

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

13580	0.027
13590	0.027
13600	0.028
13610	0.028
13620	0.028
13630	0.028
13640	0.027
13650	0.027
13660	0.027
13670	0.028
13680	0.03
13690	0.028
13700	0.028
13710	0.027
13720	0.028
13730	0.027
13740	0.029
13750	0.028
13760	0.027
13770	0.027
13780	0.028
13790	0.028
13800	0.028
13810	0.029
13820	0.029
13830	0.029
13840	0.028
13850	0.029
13860	0.028
13870	0.028
13880	0.028
13890	0.028
13900	0.028
13910	0.029
13920	0.028
13930	0.031
13940	0.03
13950	0.03
13960	0.029
13970	0.031
13980	0.029
13990	0.03
14000	0.03
14010	0.03
14020	0.029
14030	0.029
14040	0.029

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

14050	0.029
14060	0.03
14070	0.029
14080	0.029
14090	0.028
14100	0.029
14110	0.029
14120	0.03
14130	0.029
14140	0.028
14150	0.029
14160	0.028
14170	0.029
14180	0.03
14190	0.029
14200	0.028
14210	0.03
14220	0.029
14230	0.029
14240	0.028
14250	0.028
14260	0.029
14270	0.028
14280	0.028
14290	0.027
14300	0.028
14310	0.029
14320	0.029
14330	0.029
14340	0.029
14350	0.029
14360	0.029
14370	0.029
14380	0.028
14390	0.029
14400	0.03
14410	0.028
14420	0.028
14430	0.029
14440	0.029
14450	0.029
14460	0.029
14470	0.028
14480	0.028
14490	0.029
14500	0.029
14510	0.029

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

14520	0.029
14530	0.029
14540	0.029
14550	0.029
14560	0.029
14570	0.03
14580	0.029
14590	0.029
14600	0.029
14610	0.029
14620	0.028
14630	0.029
14640	0.029
14650	0.028
14660	0.03
14670	0.029
14680	0.028
14690	0.028
14700	0.03
14710	0.028
14720	0.029
14730	0.029
14740	0.03
14750	0.029
14760	0.028
14770	0.029
14780	0.029
14790	0.029
14800	0.029
14810	0.029
14820	0.03
14830	0.03
14840	0.029
14850	0.029
14860	0.03
14870	0.028
14880	0.031
14890	0.029
14900	0.028
14910	0.03
14920	0.028
14930	0.029
14940	0.029
14950	0.028
14960	0.029
14970	0.03
14980	0.029

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

14990	0.028
15000	0.028
15010	0.028
15020	0.027
15030	0.028
15040	0.028
15050	0.027
15060	0.028
15070	0.034
15080	0.028
15090	0.028
15100	0.029
15110	0.028
15120	0.029
15130	0.028
15140	0.029
15150	0.028
15160	0.028
15170	0.028
15180	0.028
15190	0.028
15200	0.028
15210	0.028
15220	0.027
15230	0.028
15240	0.028
15250	0.028
15260	0.029
15270	0.029
15280	0.028
15290	0.028
15300	0.028
15310	0.029
15320	0.029
15330	0.028
15340	0.028
15350	0.03
15360	0.028
15370	0.029
15380	0.028
15390	0.03
15400	0.032
15410	0.03
15420	0.028
15430	0.028
15440	0.028
15450	0.028

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

15460	0.028
15470	0.029
15480	0.029
15490	0.029
15500	0.03
15510	0.028
15520	0.028
15530	0.029
15540	0.027
15550	0.028
15560	0.028
15570	0.029
15580	0.029
15590	0.029
15600	0.03
15610	0.028
15620	0.029
15630	0.029
15640	0.029
15650	0.029
15660	0.028
15670	0.029
15680	0.027
15690	0.028
15700	0.03
15710	0.03
15720	0.031
15730	0.031
15740	0.029
15750	0.029
15760	0.03
15770	0.029
15780	0.028
15790	0.028
15800	0.028
15810	0.03
15820	0.031
15830	0.03
15840	0.029
15850	0.033
15860	0.031
15870	0.03
15880	0.03
15890	0.03
15900	0.031
15910	0.029
15920	0.029

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

15930	0.03
15940	0.031
15950	0.029
15960	0.034
15970	0.03
15980	0.03
15990	0.029
16000	0.029
16010	0.029
16020	0.029
16030	0.029
16040	0.03
16050	0.03
16060	0.028
16070	0.029
16080	0.028
16090	0.03
16100	0.028
16110	0.027
16120	0.028
16130	0.028
16140	0.028
16150	0.028
16160	0.028
16170	0.028
16180	0.027
16190	0.027
16200	0.028
16210	0.026
16220	0.027
16230	0.027
16240	0.028
16250	0.028
16260	0.027
16270	0.027
16280	0.027
16290	0.026
16300	0.028
16310	0.027
16320	0.027
16330	0.026
16340	0.026
16350	0.026
16360	0.027
16370	0.027
16380	0.027
16390	0.026

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

16400	0.028
16410	0.027
16420	0.027
16430	0.026
16440	0.026
16450	0.027
16460	0.028
16470	0.028
16480	0.027
16490	0.026
16500	0.027
16510	0.027
16520	0.027
16530	0.026
16540	0.026
16550	0.027
16560	0.027
16570	0.028
16580	0.027
16590	0.027
16600	0.026
16610	0.027
16620	0.027
16630	0.027
16640	0.028
16650	0.028
16660	0.026
16670	0.028
16680	0.028
16690	0.026
16700	0.026
16710	0.027
16720	0.028
16730	0.026
16740	0.027
16750	0.028
16760	0.028
16770	0.03
16780	0.03
16790	0.028
16800	0.029
16810	0.028
16820	0.028
16830	0.027
16840	0.027
16850	0.027
16860	0.028

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

16870	0.028
16880	0.027
16890	0.026
16900	0.027
16910	0.027
16920	0.026
16930	0.026
16940	0.026
16950	0.027
16960	0.025
16970	0.027
16980	0.026
16990	0.026
17000	0.026
17010	0.025
17020	0.025
17030	0.026
17040	0.026
17050	0.026
17060	0.025
17070	0.025
17080	0.025
17090	0.025
17100	0.025
17110	0.025
17120	0.026
17130	0.025
17140	0.025
17150	0.026
17160	0.026
17170	0.025
17180	0.026
17190	0.025
17200	0.025
17210	0.026
17220	0.025
17230	0.025
17240	0.028
17250	0.028
17260	0.027
17270	0.026
17280	0.025
17290	0.025
17300	0.025
17310	0.024
17320	0.025
17330	0.025

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

17340	0.025
17350	0.025
17360	0.025
17370	0.024
17380	0.024
17390	0.024
17400	0.025
17410	0.025
17420	0.024
17430	0.023
17440	0.024
17450	0.025
17460	0.024
17470	0.024
17480	0.023
17490	0.025
17500	0.024
17510	0.026
17520	0.023
17530	0.022
17540	0.024
17550	0.024
17560	0.024
17570	0.023
17580	0.023
17590	0.023
17600	0.023
17610	0.023
17620	0.023
17630	0.024
17640	0.024
17650	0.024
17660	0.025
17670	0.023
17680	0.024
17690	0.023
17700	0.024
17710	0.023
17720	0.023
17730	0.024
17740	0.024
17750	0.024
17760	0.024
17770	0.024
17780	0.024
17790	0.024
17800	0.024

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

17810	0.024
17820	0.023
17830	0.024
17840	0.023
17850	0.024
17860	0.023
17870	0.023
17880	0.023
17890	0.024
17900	0.023
17910	0.023
17920	0.023
17930	0.022
17940	0.023
17950	0.023
17960	0.022
17970	0.022
17980	0.023
17990	0.023
18000	0.024
18010	0.023
18020	0.022
18030	0.023
18040	0.023
18050	0.023
18060	0.022
18070	0.023
18080	0.024
18090	0.023
18100	0.024
18110	0.024
18120	0.023
18130	0.022
18140	0.022
18150	0.023
18160	0.023
18170	0.023
18180	0.022
18190	0.023
18200	0.022
18210	0.023
18220	0.022
18230	0.022
18240	0.022
18250	0.023
18260	0.023
18270	0.022

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

18280	0.021
18290	0.024
18300	0.022
18310	0.021
18320	0.023
18330	0.022
18340	0.023
18350	0.022
18360	0.021
18370	0.022
18380	0.022
18390	0.021
18400	0.022
18410	0.022
18420	0.022
18430	0.021
18440	0.022
18450	0.023
18460	0.022
18470	0.022
18480	0.021
18490	0.022
18500	0.023
18510	0.023
18520	0.02
18530	0.021
18540	0.022
18550	0.023
18560	0.023
18570	0.023
18580	0.023
18590	0.023
18600	0.023
18610	0.023
18620	0.023
18630	0.022
18640	0.022
18650	0.023
18660	0.022
18670	0.021
18680	0.022
18690	0.022
18700	0.021
18710	0.022
18720	0.021
18730	0.022
18740	0.021

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

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18750	0.022
18760	0.022
18770	0.021
18780	0.022
18790	0.021
18800	0.021
18810	0.021
18820	0.022
18830	0.022
18840	0.021

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530101704
Firmware Version	3.5
Calibration Date	4/18/2017
Test Name	MANUAL_005
Test Start Time	7:47:35 AM
Test Start Date	6/6/2017
Test Length [D:H:M]	0:00:47
Test Interval [M:S]	0:10
Mass Average [mg/m3]	0.005
Mass Minimum [mg/m3]	0.001
Mass Maximum [mg/m3]	0.067
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	287

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
10	0.015		
20	0.01		
30	0.01		
40	0.025		
50	0.018		
60	0.016		
70	0.012		
80	0.013		
90	0.01		
100	0.007		
110	0.007		
120	0.008		
130	0.006		
140	0.025		
150	0.01		

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

160	0.01
170	0.008
180	0.011
190	0.011
200	0.01
210	0.006
220	0.009
230	0.008
240	0.007
250	0.01
260	0.007
270	0.006
280	0.006
290	0.006
300	0.006
310	0.006
320	0.007
330	0.004
340	0.005
350	0.004
360	0.004
370	0.004
380	0.005
390	0.004
400	0.005
410	0.005
420	0.004
430	0.004
440	0.004
450	0.004
460	0.004
470	0.004
480	0.004
490	0.004
500	0.004
510	0.004
520	0.005
530	0.005
540	0.005
550	0.004
560	0.004
570	0.004
580	0.004
590	0.003
600	0.003
610	0.005
620	0.003

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

630	0.003
640	0.003
650	0.003
660	0.003
670	0.003
680	0.003
690	0.003
700	0.002
710	0.002
720	0.003
730	0.002
740	0.003
750	0.003
760	0.003
770	0.003
780	0.003
790	0.003
800	0.002
810	0.002
820	0.002
830	0.002
840	0.002
850	0.002
860	0.002
870	0.002
880	0.002
890	0.002
900	0.002
910	0.002
920	0.002
930	0.002
940	0.002
950	0.003
960	0.003
970	0.002
980	0.003
990	0.002
1000	0.003
1010	0.003
1020	0.003
1030	0.003
1040	0.003
1050	0.003
1060	0.002
1070	0.002
1080	0.002
1090	0.002

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

1100	0.002
1110	0.003
1120	0.003
1130	0.002
1140	0.003
1150	0.002
1160	0.002
1170	0.003
1180	0.002
1190	0.003
1200	0.002
1210	0.002
1220	0.002
1230	0.003
1240	0.002
1250	0.002
1260	0.002
1270	0.002
1280	0.002
1290	0.002
1300	0.002
1310	0.002
1320	0.002
1330	0.002
1340	0.002
1350	0.002
1360	0.002
1370	0.004
1380	0.003
1390	0.003
1400	0.002
1410	0.003
1420	0.003
1430	0.002
1440	0.003
1450	0.002
1460	0.002
1470	0.003
1480	0.003
1490	0.002
1500	0.002
1510	0.002
1520	0.001
1530	0.002
1540	0.002
1550	0.001
1560	0.001

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

1570	0.001
1580	0.002
1590	0.002
1600	0.002
1610	0.001
1620	0.001
1630	0.001
1640	0.001
1650	0.001
1660	0.002
1670	0.001
1680	0.002
1690	0.001
1700	0.002
1710	0.003
1720	0.002
1730	0.003
1740	0.002
1750	0.002
1760	0.002
1770	0.002
1780	0.004
1790	0.002
1800	0.002
1810	0.003
1820	0.002
1830	0.003
1840	0.002
1850	0.002
1860	0.002
1870	0.002
1880	0.001
1890	0.001
1900	0.001
1910	0.001
1920	0.002
1930	0.001
1940	0.001
1950	0.001
1960	0.002
1970	0.001
1980	0.002
1990	0.001
2000	0.001
2010	0.003
2020	0.067
2030	0.006

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

2040	0.006
2050	0.006
2060	0.006
2070	0.005
2080	0.013
2090	0.007
2100	0.006
2110	0.005
2120	0.005
2130	0.008
2140	0.012
2150	0.006
2160	0.007
2170	0.006
2180	0.005
2190	0.006
2200	0.006
2210	0.005
2220	0.009
2230	0.006
2240	0.043
2250	0.006
2260	0.006
2270	0.006
2280	0.006
2290	0.005
2300	0.005
2310	0.005
2320	0.005
2330	0.006
2340	0.006
2350	0.005
2360	0.006
2370	0.006
2380	0.006
2390	0.005
2400	0.005
2410	0.007
2420	0.007
2430	0.005
2440	0.006
2450	0.005
2460	0.006
2470	0.014
2480	0.005
2490	0.004
2500	0.007

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

2510	0.012
2520	0.008
2530	0.01
2540	0.007
2550	0.005
2560	0.006
2570	0.005
2580	0.005
2590	0.005
2600	0.004
2610	0.005
2620	0.004
2630	0.005
2640	0.004
2650	0.009
2660	0.004
2670	0.004
2680	0.005
2690	0.005
2700	0.005
2710	0.005
2720	0.005
2730	0.005
2740	0.006
2750	0.006
2760	0.005
2770	0.005
2780	0.005
2790	0.006
2800	0.005
2810	0.005
2820	0.006
2830	0.008
2840	0.005
2850	0.005
2860	0.005
2870	0.005

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530101704
Firmware Version	3.5
Calibration Date	4/18/2017
Test Name	MANUAL_006
Test Start Time	9:18:41 AM
Test Start Date	6/6/2017

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

Test Length [D:H:M]	0:01:50
Test Interval [M:S]	0:10
Mass Average [mg/m3]	0.006
Mass Minimum [mg/m3]	0.002
Mass Maximum [mg/m3]	0.09
Mass TWA [mg/m3]	0.001
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	663

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
10	0.006		
20	0.007		
30	0.006		
40	0.005		
50	0.005		
60	0.006		
70	0.007		
80	0.006		
90	0.006		
100	0.005		
110	0.008		
120	0.008		
130	0.01		
140	0.008		
150	0.009		
160	0.007		
170	0.006		
180	0.005		
190	0.007		
200	0.007		
210	0.006		
220	0.007		
230	0.007		
240	0.051		
250	0.006		
260	0.008		
270	0.008		
280	0.008		
290	0.009		
300	0.006		
310	0.007		
320	0.005		
330	0.005		
340	0.005		
350	0.004		

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

360	0.004
370	0.005
380	0.004
390	0.004
400	0.007
410	0.005
420	0.005
430	0.004
440	0.005
450	0.005
460	0.005
470	0.006
480	0.005
490	0.005
500	0.012
510	0.011
520	0.011
530	0.009
540	0.006
550	0.005
560	0.005
570	0.005
580	0.005
590	0.004
600	0.005
610	0.004
620	0.005
630	0.004
640	0.005
650	0.005
660	0.005
670	0.006
680	0.006
690	0.005
700	0.005
710	0.005
720	0.005
730	0.012
740	0.007
750	0.006
760	0.006
770	0.006
780	0.005
790	0.005
800	0.004
810	0.004
820	0.008

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

830	0.007
840	0.005
850	0.005
860	0.007
870	0.011
880	0.009
890	0.007
900	0.006
910	0.005
920	0.006
930	0.005
940	0.005
950	0.006
960	0.007
970	0.006
980	0.006
990	0.005
1000	0.005
1010	0.008
1020	0.014
1030	0.006
1040	0.007
1050	0.01
1060	0.012
1070	0.007
1080	0.006
1090	0.01
1100	0.009
1110	0.005
1120	0.006
1130	0.005
1140	0.005
1150	0.004
1160	0.004
1170	0.004
1180	0.004
1190	0.004
1200	0.005
1210	0.005
1220	0.005
1230	0.006
1240	0.008
1250	0.007
1260	0.007
1270	0.007
1280	0.006
1290	0.006

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

1300	0.011
1310	0.004
1320	0.006
1330	0.005
1340	0.004
1350	0.005
1360	0.006
1370	0.005
1380	0.006
1390	0.008
1400	0.006
1410	0.005
1420	0.004
1430	0.004
1440	0.005
1450	0.005
1460	0.004
1470	0.005
1480	0.004
1490	0.005
1500	0.004
1510	0.004
1520	0.004
1530	0.006
1540	0.006
1550	0.006
1560	0.005
1570	0.005
1580	0.004
1590	0.006
1600	0.006
1610	0.005
1620	0.005
1630	0.005
1640	0.013
1650	0.004
1660	0.004
1670	0.005
1680	0.009
1690	0.008
1700	0.006
1710	0.005
1720	0.004
1730	0.004
1740	0.005
1750	0.003
1760	0.004

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

1770	0.004
1780	0.004
1790	0.003
1800	0.005
1810	0.003
1820	0.003
1830	0.004
1840	0.006
1850	0.005
1860	0.005
1870	0.005
1880	0.004
1890	0.015
1900	0.01
1910	0.009
1920	0.004
1930	0.007
1940	0.004
1950	0.005
1960	0.004
1970	0.004
1980	0.006
1990	0.005
2000	0.005
2010	0.004
2020	0.004
2030	0.003
2040	0.003
2050	0.003
2060	0.005
2070	0.005
2080	0.004
2090	0.005
2100	0.006
2110	0.007
2120	0.004
2130	0.003
2140	0.004
2150	0.004
2160	0.004
2170	0.003
2180	0.003
2190	0.004
2200	0.004
2210	0.003
2220	0.003
2230	0.004

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

2240	0.004
2250	0.006
2260	0.004
2270	0.004
2280	0.004
2290	0.004
2300	0.005
2310	0.004
2320	0.004
2330	0.004
2340	0.005
2350	0.005
2360	0.005
2370	0.004
2380	0.003
2390	0.005
2400	0.009
2410	0.01
2420	0.006
2430	0.005
2440	0.004
2450	0.003
2460	0.004
2470	0.003
2480	0.003
2490	0.003
2500	0.004
2510	0.003
2520	0.004
2530	0.004
2540	0.003
2550	0.004
2560	0.004
2570	0.005
2580	0.005
2590	0.005
2600	0.004
2610	0.004
2620	0.004
2630	0.008
2640	0.004
2650	0.005
2660	0.005
2670	0.005
2680	0.004
2690	0.004
2700	0.004

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

2710	0.004
2720	0.004
2730	0.006
2740	0.007
2750	0.006
2760	0.005
2770	0.004
2780	0.012
2790	0.004
2800	0.003
2810	0.003
2820	0.003
2830	0.003
2840	0.004
2850	0.003
2860	0.003
2870	0.004
2880	0.005
2890	0.004
2900	0.004
2910	0.004
2920	0.004
2930	0.003
2940	0.011
2950	0.006
2960	0.006
2970	0.008
2980	0.005
2990	0.004
3000	0.003
3010	0.004
3020	0.004
3030	0.006
3040	0.005
3050	0.004
3060	0.005
3070	0.004
3080	0.004
3090	0.004
3100	0.005
3110	0.006
3120	0.004
3130	0.003
3140	0.003
3150	0.004
3160	0.006
3170	0.005

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

3180	0.011
3190	0.011
3200	0.005
3210	0.004
3220	0.005
3230	0.006
3240	0.005
3250	0.004
3260	0.004
3270	0.004
3280	0.006
3290	0.009
3300	0.013
3310	0.013
3320	0.01
3330	0.007
3340	0.005
3350	0.007
3360	0.007
3370	0.005
3380	0.004
3390	0.004
3400	0.005
3410	0.01
3420	0.007
3430	0.004
3440	0.004
3450	0.004
3460	0.005
3470	0.004
3480	0.004
3490	0.007
3500	0.006
3510	0.004
3520	0.003
3530	0.004
3540	0.003
3550	0.003
3560	0.003
3570	0.004
3580	0.01
3590	0.004
3600	0.003
3610	0.005
3620	0.005
3630	0.009
3640	0.009

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

3650	0.006
3660	0.005
3670	0.004
3680	0.004
3690	0.004
3700	0.003
3710	0.003
3720	0.002
3730	0.002
3740	0.003
3750	0.003
3760	0.003
3770	0.002
3780	0.004
3790	0.006
3800	0.004
3810	0.003
3820	0.003
3830	0.003
3840	0.003
3850	0.005
3860	0.004
3870	0.003
3880	0.004
3890	0.004
3900	0.004
3910	0.004
3920	0.004
3930	0.004
3940	0.006
3950	0.006
3960	0.004
3970	0.004
3980	0.003
3990	0.003
4000	0.005
4010	0.004
4020	0.005
4030	0.006
4040	0.004
4050	0.006
4060	0.004
4070	0.003
4080	0.003
4090	0.005
4100	0.005
4110	0.004

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

4120	0.003
4130	0.003
4140	0.004
4150	0.003
4160	0.003
4170	0.004
4180	0.007
4190	0.003
4200	0.004
4210	0.005
4220	0.004
4230	0.004
4240	0.004
4250	0.003
4260	0.003
4270	0.004
4280	0.004
4290	0.004
4300	0.006
4310	0.004
4320	0.004
4330	0.007
4340	0.003
4350	0.007
4360	0.004
4370	0.004
4380	0.006
4390	0.013
4400	0.01
4410	0.009
4420	0.004
4430	0.003
4440	0.004
4450	0.004
4460	0.004
4470	0.003
4480	0.006
4490	0.004
4500	0.003
4510	0.003
4520	0.005
4530	0.004
4540	0.004
4550	0.005
4560	0.005
4570	0.01
4580	0.011

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

4590	0.005
4600	0.028
4610	0.005
4620	0.004
4630	0.004
4640	0.004
4650	0.003
4660	0.004
4670	0.003
4680	0.007
4690	0.005
4700	0.006
4710	0.005
4720	0.004
4730	0.003
4740	0.003
4750	0.003
4760	0.003
4770	0.003
4780	0.003
4790	0.003
4800	0.003
4810	0.004
4820	0.004
4830	0.005
4840	0.008
4850	0.007
4860	0.005
4870	0.004
4880	0.005
4890	0.005
4900	0.008
4910	0.005
4920	0.004
4930	0.004
4940	0.004
4950	0.004
4960	0.003
4970	0.003
4980	0.004
4990	0.01
5000	0.015
5010	0.011
5020	0.007
5030	0.006
5040	0.006
5050	0.006

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

5060	0.006
5070	0.004
5080	0.005
5090	0.004
5100	0.004
5110	0.004
5120	0.005
5130	0.003
5140	0.003
5150	0.003
5160	0.003
5170	0.005
5180	0.005
5190	0.008
5200	0.004
5210	0.006
5220	0.005
5230	0.005
5240	0.005
5250	0.005
5260	0.006
5270	0.004
5280	0.004
5290	0.004
5300	0.004
5310	0.008
5320	0.013
5330	0.021
5340	0.09
5350	0.067
5360	0.033
5370	0.011
5380	0.007
5390	0.005
5400	0.004
5410	0.003
5420	0.003
5430	0.003
5440	0.003
5450	0.004
5460	0.005
5470	0.003
5480	0.005
5490	0.003
5500	0.002
5510	0.003
5520	0.004

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

5530	0.004
5540	0.002
5550	0.003
5560	0.003
5570	0.005
5580	0.004
5590	0.004
5600	0.004
5610	0.003
5620	0.003
5630	0.004
5640	0.005
5650	0.003
5660	0.005
5670	0.003
5680	0.009
5690	0.012
5700	0.015
5710	0.014
5720	0.008
5730	0.005
5740	0.007
5750	0.006
5760	0.005
5770	0.006
5780	0.014
5790	0.021
5800	0.012
5810	0.012
5820	0.008
5830	0.007
5840	0.005
5850	0.006
5860	0.007
5870	0.006
5880	0.004
5890	0.005
5900	0.005
5910	0.004
5920	0.003
5930	0.004
5940	0.006
5950	0.006
5960	0.004
5970	0.006
5980	0.014
5990	0.005

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

6000	0.004
6010	0.004
6020	0.003
6030	0.004
6040	0.007
6050	0.007
6060	0.004
6070	0.007
6080	0.003
6090	0.003
6100	0.004
6110	0.011
6120	0.007
6130	0.004
6140	0.004
6150	0.004
6160	0.004
6170	0.004
6180	0.003
6190	0.003
6200	0.006
6210	0.009
6220	0.006
6230	0.004
6240	0.004
6250	0.004
6260	0.004
6270	0.004
6280	0.005
6290	0.004
6300	0.003
6310	0.003
6320	0.004
6330	0.004
6340	0.004
6350	0.004
6360	0.003
6370	0.004
6380	0.003
6390	0.004
6400	0.005
6410	0.004
6420	0.003
6430	0.004
6440	0.003
6450	0.003
6460	0.004

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

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6470	0.003
6480	0.003
6490	0.003
6500	0.008
6510	0.005
6520	0.004
6530	0.004
6540	0.004
6550	0.003
6560	0.003
6570	0.003
6580	0.003
6590	0.003
6600	0.012
6610	0.003
6620	0.003
6630	0.003

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530101704
Firmware Version	3.5
Calibration Date	4/18/2017
Test Name	MANUAL_007
Test Start Time	11:16:34 AM
Test Start Date	6/6/2017
Test Length [D:H:M]	0:00:00
Test Interval [M:S]	0:10
Mass Average [mg/m3]	0.007
Mass Minimum [mg/m3]	0.007
Mass Maximum [mg/m3]	0.007
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	2

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
10	0.007		
20	0.007		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530101704
Firmware Version	3.5
Calibration Date	4/18/2017
Test Name	MANUAL_008

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

Test Start Time	11:35:40 AM
Test Start Date	6/6/2017
Test Length [D:H:M]	0:01:29
Test Interval [M:S]	0:10
Mass Average [mg/m3]	0.006
Mass Minimum [mg/m3]	0.003
Mass Maximum [mg/m3]	0.029
Mass TWA [mg/m3]	0.001
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	534

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
10	0.004		
20	0.004		
30	0.011		
40	0.006		
50	0.012		
60	0.005		
70	0.004		
80	0.008		
90	0.006		
100	0.005		
110	0.007		
120	0.006		
130	0.006		
140	0.006		
150	0.011		
160	0.006		
170	0.007		
180	0.009		
190	0.007		
200	0.009		
210	0.009		
220	0.007		
230	0.006		
240	0.007		
250	0.009		
260	0.007		
270	0.006		
280	0.005		
290	0.006		
300	0.007		
310	0.007		
320	0.006		
330	0.009		

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

340	0.013
350	0.011
360	0.007
370	0.006
380	0.006
390	0.008
400	0.006
410	0.006
420	0.005
430	0.006
440	0.006
450	0.008
460	0.006
470	0.012
480	0.014
490	0.008
500	0.006
510	0.006
520	0.006
530	0.009
540	0.007
550	0.008
560	0.006
570	0.006
580	0.006
590	0.007
600	0.007
610	0.009
620	0.009
630	0.006
640	0.006
650	0.006
660	0.006
670	0.006
680	0.006
690	0.008
700	0.007
710	0.008
720	0.008
730	0.009
740	0.008
750	0.007
760	0.006
770	0.009
780	0.013
790	0.009
800	0.01

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

810	0.009
820	0.008
830	0.007
840	0.007
850	0.007
860	0.006
870	0.007
880	0.007
890	0.007
900	0.008
910	0.007
920	0.006
930	0.007
940	0.007
950	0.008
960	0.007
970	0.007
980	0.008
990	0.009
1000	0.008
1010	0.009
1020	0.008
1030	0.008
1040	0.008
1050	0.009
1060	0.008
1070	0.008
1080	0.007
1090	0.008
1100	0.007
1110	0.008
1120	0.008
1130	0.008
1140	0.008
1150	0.009
1160	0.009
1170	0.008
1180	0.008
1190	0.007
1200	0.006
1210	0.006
1220	0.006
1230	0.007
1240	0.007
1250	0.006
1260	0.007
1270	0.007

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

1280	0.007
1290	0.009
1300	0.014
1310	0.015
1320	0.009
1330	0.007
1340	0.008
1350	0.007
1360	0.007
1370	0.008
1380	0.007
1390	0.007
1400	0.007
1410	0.006
1420	0.007
1430	0.007
1440	0.008
1450	0.006
1460	0.007
1470	0.007
1480	0.007
1490	0.008
1500	0.01
1510	0.007
1520	0.008
1530	0.008
1540	0.007
1550	0.007
1560	0.006
1570	0.007
1580	0.007
1590	0.007
1600	0.008
1610	0.008
1620	0.007
1630	0.006
1640	0.008
1650	0.008
1660	0.007
1670	0.007
1680	0.007
1690	0.006
1700	0.008
1710	0.01
1720	0.01
1730	0.009
1740	0.007

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

1750	0.008
1760	0.006
1770	0.006
1780	0.006
1790	0.006
1800	0.008
1810	0.008
1820	0.009
1830	0.007
1840	0.009
1850	0.007
1860	0.007
1870	0.008
1880	0.011
1890	0.009
1900	0.007
1910	0.007
1920	0.006
1930	0.006
1940	0.006
1950	0.007
1960	0.006
1970	0.008
1980	0.009
1990	0.007
2000	0.006
2010	0.007
2020	0.008
2030	0.009
2040	0.008
2050	0.007
2060	0.008
2070	0.007
2080	0.007
2090	0.007
2100	0.006
2110	0.008
2120	0.01
2130	0.01
2140	0.007
2150	0.008
2160	0.008
2170	0.008
2180	0.008
2190	0.007
2200	0.007
2210	0.007

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

2220	0.007
2230	0.006
2240	0.005
2250	0.006
2260	0.007
2270	0.009
2280	0.01
2290	0.009
2300	0.007
2310	0.006
2320	0.006
2330	0.006
2340	0.005
2350	0.006
2360	0.005
2370	0.008
2380	0.007
2390	0.007
2400	0.006
2410	0.005
2420	0.007
2430	0.01
2440	0.007
2450	0.007
2460	0.008
2470	0.008
2480	0.007
2490	0.006
2500	0.006
2510	0.008
2520	0.013
2530	0.014
2540	0.011
2550	0.007
2560	0.007
2570	0.006
2580	0.005
2590	0.005
2600	0.01
2610	0.005
2620	0.005
2630	0.005
2640	0.005
2650	0.005
2660	0.004
2670	0.005
2680	0.004

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

2690	0.005
2700	0.004
2710	0.005
2720	0.004
2730	0.005
2740	0.006
2750	0.005
2760	0.007
2770	0.006
2780	0.006
2790	0.006
2800	0.007
2810	0.01
2820	0.005
2830	0.005
2840	0.005
2850	0.004
2860	0.004
2870	0.005
2880	0.006
2890	0.005
2900	0.006
2910	0.005
2920	0.006
2930	0.007
2940	0.007
2950	0.007
2960	0.005
2970	0.005
2980	0.005
2990	0.005
3000	0.005
3010	0.004
3020	0.006
3030	0.006
3040	0.006
3050	0.005
3060	0.006
3070	0.005
3080	0.004
3090	0.005
3100	0.007
3110	0.004
3120	0.004
3130	0.029
3140	0.007
3150	0.006

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

3160	0.005
3170	0.004
3180	0.004
3190	0.005
3200	0.015
3210	0.004
3220	0.004
3230	0.008
3240	0.004
3250	0.004
3260	0.004
3270	0.003
3280	0.004
3290	0.004
3300	0.004
3310	0.004
3320	0.004
3330	0.004
3340	0.004
3350	0.004
3360	0.005
3370	0.005
3380	0.005
3390	0.005
3400	0.005
3410	0.004
3420	0.005
3430	0.004
3440	0.005
3450	0.005
3460	0.005
3470	0.005
3480	0.005
3490	0.004
3500	0.005
3510	0.004
3520	0.005
3530	0.004
3540	0.005
3550	0.005
3560	0.005
3570	0.006
3580	0.005
3590	0.006
3600	0.005
3610	0.007
3620	0.007

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

3630	0.005
3640	0.006
3650	0.006
3660	0.006
3670	0.007
3680	0.008
3690	0.005
3700	0.006
3710	0.006
3720	0.006
3730	0.006
3740	0.006
3750	0.007
3760	0.007
3770	0.006
3780	0.006
3790	0.006
3800	0.004
3810	0.007
3820	0.005
3830	0.004
3840	0.004
3850	0.005
3860	0.005
3870	0.005
3880	0.004
3890	0.005
3900	0.005
3910	0.005
3920	0.006
3930	0.006
3940	0.005
3950	0.005
3960	0.005
3970	0.005
3980	0.005
3990	0.005
4000	0.004
4010	0.005
4020	0.005
4030	0.005
4040	0.005
4050	0.005
4060	0.004
4070	0.005
4080	0.004
4090	0.004

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

4100	0.004
4110	0.005
4120	0.004
4130	0.005
4140	0.005
4150	0.004
4160	0.004
4170	0.005
4180	0.005
4190	0.005
4200	0.005
4210	0.005
4220	0.005
4230	0.005
4240	0.005
4250	0.005
4260	0.005
4270	0.006
4280	0.005
4290	0.005
4300	0.005
4310	0.004
4320	0.004
4330	0.004
4340	0.005
4350	0.005
4360	0.004
4370	0.006
4380	0.006
4390	0.005
4400	0.004
4410	0.005
4420	0.004
4430	0.005
4440	0.004
4450	0.004
4460	0.004
4470	0.004
4480	0.004
4490	0.004
4500	0.004
4510	0.003
4520	0.005
4530	0.004
4540	0.004
4550	0.005
4560	0.004

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

4570	0.004
4580	0.005
4590	0.004
4600	0.004
4610	0.004
4620	0.019
4630	0.016
4640	0.008
4650	0.007
4660	0.005
4670	0.006
4680	0.004
4690	0.003
4700	0.004
4710	0.004
4720	0.005
4730	0.004
4740	0.004
4750	0.004
4760	0.004
4770	0.003
4780	0.004
4790	0.004
4800	0.005
4810	0.004
4820	0.005
4830	0.004
4840	0.005
4850	0.005
4860	0.004
4870	0.006
4880	0.004
4890	0.005
4900	0.005
4910	0.004
4920	0.005
4930	0.004
4940	0.006
4950	0.005
4960	0.005
4970	0.005
4980	0.004
4990	0.005
5000	0.004
5010	0.004
5020	0.004
5030	0.005

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

5040	0.005
5050	0.005
5060	0.005
5070	0.005
5080	0.004
5090	0.005
5100	0.005
5110	0.004
5120	0.004
5130	0.004
5140	0.004
5150	0.004
5160	0.004
5170	0.004
5180	0.005
5190	0.004
5200	0.005
5210	0.004
5220	0.004
5230	0.004
5240	0.004
5250	0.004
5260	0.004
5270	0.004
5280	0.004
5290	0.004
5300	0.005
5310	0.005
5320	0.006
5330	0.005
5340	0.005

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530101704
Firmware Version	3.5
Calibration Date	4/18/2017
Test Name	MANUAL_009
Test Start Time	3:18:25 PM
Test Start Date	6/6/2017
Test Length [D:H:M]	0:00:56
Test Interval [M:S]	0:10
Mass Average [mg/m3]	0.012
Mass Minimum [mg/m3]	0.002
Mass Maximum [mg/m3]	0.649
Mass TWA [mg/m3]	0.001

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	341

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
10	0.007		
20	0.009		
30	0.008		
40	0.01		
50	0.017		
60	0.026		
70	0.015		
80	0.011		
90	0.005		
100	0.006		
110	0.006		
120	0.021		
130	0.096		
140	0.105		
150	0.036		
160	0.016		
170	0.019		
180	0.011		
190	0.009		
200	0.005		
210	0.009		
220	0.008		
230	0.006		
240	0.012		
250	0.008		
260	0.017		
270	0.017		
280	0.008		
290	0.004		
300	0.004		
310	0.004		
320	0.005		
330	0.005		
340	0.012		
350	0.011		
360	0.007		
370	0.006		
380	0.007		
390	0.006		
400	0.007		
410	0.014		

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

420	0.01
430	0.007
440	0.005
450	0.004
460	0.004
470	0.006
480	0.007
490	0.009
500	0.009
510	0.01
520	0.007
530	0.007
540	0.008
550	0.006
560	0.006
570	0.004
580	0.005
590	0.004
600	0.008
610	0.01
620	0.012
630	0.009
640	0.008
650	0.059
660	0.02
670	0.013
680	0.014
690	0.015
700	0.01
710	0.008
720	0.023
730	0.006
740	0.649
750	0.295
760	0.137
770	0.082
780	0.027
790	0.082
800	0.104
810	0.105
820	0.033
830	0.013
840	0.007
850	0.005
860	0.009
870	0.006
880	0.008

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

890	0.009
900	0.037
910	0.092
920	0.047
930	0.04
940	0.021
950	0.012
960	0.018
970	0.035
980	0.044
990	0.025
1000	0.023
1010	0.013
1020	0.007
1030	0.005
1040	0.004
1050	0.004
1060	0.004
1070	0.003
1080	0.004
1090	0.004
1100	0.004
1110	0.004
1120	0.006
1130	0.005
1140	0.005
1150	0.004
1160	0.005
1170	0.008
1180	0.006
1190	0.005
1200	0.006
1210	0.009
1220	0.006
1230	0.005
1240	0.007
1250	0.005
1260	0.007
1270	0.013
1280	0.011
1290	0.007
1300	0.004
1310	0.005
1320	0.005
1330	0.006
1340	0.005
1350	0.004

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

1360	0.006
1370	0.007
1380	0.005
1390	0.004
1400	0.004
1410	0.005
1420	0.004
1430	0.004
1440	0.004
1450	0.007
1460	0.006
1470	0.005
1480	0.005
1490	0.004
1500	0.004
1510	0.004
1520	0.005
1530	0.011
1540	0.007
1550	0.02
1560	0.007
1570	0.007
1580	0.006
1590	0.005
1600	0.005
1610	0.006
1620	0.005
1630	0.008
1640	0.006
1650	0.006
1660	0.006
1670	0.01
1680	0.004
1690	0.004
1700	0.005
1710	0.006
1720	0.004
1730	0.005
1740	0.006
1750	0.004
1760	0.006
1770	0.004
1780	0.005
1790	0.004
1800	0.006
1810	0.005
1820	0.005

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

1830	0.003
1840	0.004
1850	0.004
1860	0.007
1870	0.009
1880	0.008
1890	0.008
1900	0.007
1910	0.006
1920	0.005
1930	0.005
1940	0.004
1950	0.003
1960	0.004
1970	0.004
1980	0.003
1990	0.004
2000	0.003
2010	0.005
2020	0.006
2030	0.005
2040	0.01
2050	0.082
2060	0.004
2070	0.004
2080	0.004
2090	0.005
2100	0.006
2110	0.004
2120	0.004
2130	0.004
2140	0.004
2150	0.003
2160	0.004
2170	0.004
2180	0.004
2190	0.004
2200	0.004
2210	0.004
2220	0.004
2230	0.004
2240	0.004
2250	0.004
2260	0.004
2270	0.004
2280	0.006
2290	0.005

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

2300	0.005
2310	0.005
2320	0.005
2330	0.004
2340	0.005
2350	0.005
2360	0.005
2370	0.004
2380	0.004
2390	0.005
2400	0.004
2410	0.005
2420	0.005
2430	0.005
2440	0.004
2450	0.004
2460	0.006
2470	0.004
2480	0.004
2490	0.005
2500	0.004
2510	0.003
2520	0.004
2530	0.004
2540	0.004
2550	0.004
2560	0.004
2570	0.004
2580	0.004
2590	0.004
2600	0.003
2610	0.004
2620	0.004
2630	0.004
2640	0.004
2650	0.004
2660	0.004
2670	0.003
2680	0.004
2690	0.004
2700	0.003
2710	0.004
2720	0.003
2730	0.004
2740	0.004
2750	0.003
2760	0.004

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

2770	0.003
2780	0.004
2790	0.004
2800	0.004
2810	0.003
2820	0.003
2830	0.005
2840	0.003
2850	0.003
2860	0.003
2870	0.004
2880	0.003
2890	0.003
2900	0.004
2910	0.003
2920	0.003
2930	0.004
2940	0.003
2950	0.003
2960	0.003
2970	0.003
2980	0.003
2990	0.004
3000	0.003
3010	0.003
3020	0.003
3030	0.003
3040	0.003
3050	0.004
3060	0.004
3070	0.004
3080	0.003
3090	0.003
3100	0.003
3110	0.003
3120	0.003
3130	0.004
3140	0.003
3150	0.004
3160	0.004
3170	0.003
3180	0.003
3190	0.004
3200	0.003
3210	0.003
3220	0.003
3230	0.004

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

3240	0.003
3250	0.003
3260	0.003
3270	0.003
3280	0.003
3290	0.003
3300	0.002
3310	0.002
3320	0.003
3330	0.003
3340	0.003
3350	0.004
3360	0.004
3370	0.003
3380	0.003
3390	0.004
3400	0.004
3410	0.004

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530101704
Firmware Version	3.5
Calibration Date	4/18/2017
Test Name	MANUAL_010
Test Start Time	7:46:34 AM
Test Start Date	6/7/2017
Test Length [D:H:M]	0:00:00
Test Interval [M:S]	0:10
Mass Average [mg/m3]	0.003
Mass Minimum [mg/m3]	0.003
Mass Maximum [mg/m3]	0.003
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	1

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
10	0.003		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530101704
Firmware Version	3.5
Calibration Date	4/18/2017
Test Name	MANUAL_011

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

Test Start Time	9:18:49 AM
Test Start Date	6/7/2017
Test Length [D:H:M]	0:01:15
Test Interval [M:S]	0:10
Mass Average [mg/m3]	0.007
Mass Minimum [mg/m3]	0.004
Mass Maximum [mg/m3]	0.017
Mass TWA [mg/m3]	0.001
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	450

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
10	0.004		
20	0.005		
30	0.005		
40	0.011		
50	0.006		
60	0.006		
70	0.005		
80	0.006		
90	0.006		
100	0.005		
110	0.005		
120	0.005		
130	0.006		
140	0.006		
150	0.007		
160	0.008		
170	0.007		
180	0.006		
190	0.005		
200	0.006		
210	0.005		
220	0.006		
230	0.005		
240	0.006		
250	0.005		
260	0.005		
270	0.006		
280	0.007		
290	0.006		
300	0.006		
310	0.006		
320	0.006		
330	0.007		

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

340	0.005
350	0.005
360	0.006
370	0.005
380	0.006
390	0.005
400	0.005
410	0.005
420	0.005
430	0.006
440	0.005
450	0.006
460	0.006
470	0.005
480	0.005
490	0.005
500	0.006
510	0.006
520	0.007
530	0.006
540	0.011
550	0.008
560	0.006
570	0.007
580	0.006
590	0.006
600	0.006
610	0.007
620	0.006
630	0.005
640	0.006
650	0.007
660	0.007
670	0.006
680	0.007
690	0.007
700	0.008
710	0.007
720	0.008
730	0.007
740	0.006
750	0.006
760	0.006
770	0.005
780	0.005
790	0.006
800	0.007

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

810	0.007
820	0.006
830	0.006
840	0.006
850	0.007
860	0.006
870	0.007
880	0.006
890	0.006
900	0.009
910	0.007
920	0.007
930	0.009
940	0.016
950	0.009
960	0.009
970	0.008
980	0.008
990	0.009
1000	0.009
1010	0.006
1020	0.006
1030	0.006
1040	0.007
1050	0.006
1060	0.006
1070	0.005
1080	0.006
1090	0.006
1100	0.006
1110	0.006
1120	0.005
1130	0.005
1140	0.006
1150	0.005
1160	0.005
1170	0.005
1180	0.005
1190	0.006
1200	0.006
1210	0.005
1220	0.005
1230	0.005
1240	0.006
1250	0.005
1260	0.005
1270	0.006

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

1280	0.005
1290	0.006
1300	0.006
1310	0.006
1320	0.006
1330	0.007
1340	0.006
1350	0.006
1360	0.007
1370	0.007
1380	0.007
1390	0.008
1400	0.009
1410	0.007
1420	0.007
1430	0.007
1440	0.006
1450	0.007
1460	0.007
1470	0.007
1480	0.006
1490	0.006
1500	0.006
1510	0.006
1520	0.006
1530	0.006
1540	0.006
1550	0.006
1560	0.006
1570	0.006
1580	0.005
1590	0.006
1600	0.006
1610	0.006
1620	0.006
1630	0.006
1640	0.005
1650	0.006
1660	0.006
1670	0.005
1680	0.005
1690	0.006
1700	0.005
1710	0.006
1720	0.006
1730	0.006
1740	0.006

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

1750	0.006
1760	0.006
1770	0.006
1780	0.006
1790	0.008
1800	0.007
1810	0.007
1820	0.006
1830	0.007
1840	0.007
1850	0.006
1860	0.006
1870	0.005
1880	0.006
1890	0.006
1900	0.006
1910	0.005
1920	0.005
1930	0.005
1940	0.005
1950	0.006
1960	0.005
1970	0.005
1980	0.006
1990	0.006
2000	0.006
2010	0.006
2020	0.005
2030	0.006
2040	0.006
2050	0.006
2060	0.007
2070	0.006
2080	0.006
2090	0.006
2100	0.006
2110	0.006
2120	0.006
2130	0.006
2140	0.005
2150	0.006
2160	0.005
2170	0.005
2180	0.006
2190	0.005
2200	0.005
2210	0.006

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

2220	0.005
2230	0.005
2240	0.005
2250	0.005
2260	0.005
2270	0.005
2280	0.005
2290	0.006
2300	0.006
2310	0.006
2320	0.006
2330	0.005
2340	0.006
2350	0.012
2360	0.008
2370	0.008
2380	0.008
2390	0.007
2400	0.008
2410	0.008
2420	0.01
2430	0.01
2440	0.007
2450	0.007
2460	0.008
2470	0.008
2480	0.007
2490	0.006
2500	0.006
2510	0.006
2520	0.007
2530	0.005
2540	0.006
2550	0.015
2560	0.012
2570	0.014
2580	0.016
2590	0.015
2600	0.008
2610	0.007
2620	0.006
2630	0.006
2640	0.006
2650	0.006
2660	0.007
2670	0.006
2680	0.006

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

2690	0.006
2700	0.006
2710	0.006
2720	0.006
2730	0.006
2740	0.006
2750	0.005
2760	0.006
2770	0.006
2780	0.007
2790	0.006
2800	0.006
2810	0.006
2820	0.006
2830	0.006
2840	0.006
2850	0.006
2860	0.006
2870	0.006
2880	0.006
2890	0.006
2900	0.006
2910	0.006
2920	0.006
2930	0.006
2940	0.006
2950	0.006
2960	0.005
2970	0.006
2980	0.005
2990	0.006
3000	0.006
3010	0.006
3020	0.006
3030	0.006
3040	0.006
3050	0.006
3060	0.005
3070	0.005
3080	0.007
3090	0.008
3100	0.007
3110	0.008
3120	0.008
3130	0.008
3140	0.008
3150	0.013

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

3160	0.006
3170	0.006
3180	0.006
3190	0.006
3200	0.005
3210	0.005
3220	0.008
3230	0.012
3240	0.01
3250	0.008
3260	0.006
3270	0.006
3280	0.006
3290	0.006
3300	0.005
3310	0.006
3320	0.006
3330	0.007
3340	0.007
3350	0.008
3360	0.008
3370	0.006
3380	0.007
3390	0.009
3400	0.008
3410	0.008
3420	0.008
3430	0.009
3440	0.007
3450	0.007
3460	0.007
3470	0.007
3480	0.008
3490	0.007
3500	0.009
3510	0.008
3520	0.007
3530	0.007
3540	0.007
3550	0.006
3560	0.007
3570	0.008
3580	0.008
3590	0.006
3600	0.006
3610	0.007
3620	0.006

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

3630	0.006
3640	0.016
3650	0.017
3660	0.012
3670	0.008
3680	0.007
3690	0.008
3700	0.008
3710	0.008
3720	0.006
3730	0.013
3740	0.01
3750	0.008
3760	0.009
3770	0.007
3780	0.007
3790	0.006
3800	0.007
3810	0.015
3820	0.012
3830	0.009
3840	0.009
3850	0.009
3860	0.008
3870	0.008
3880	0.009
3890	0.009
3900	0.008
3910	0.007
3920	0.006
3930	0.006
3940	0.006
3950	0.006
3960	0.006
3970	0.006
3980	0.006
3990	0.006
4000	0.012
4010	0.006
4020	0.005
4030	0.006
4040	0.007
4050	0.007
4060	0.006
4070	0.006
4080	0.006
4090	0.006

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

4100	0.006
4110	0.006
4120	0.006
4130	0.006
4140	0.009
4150	0.007
4160	0.007
4170	0.008
4180	0.006
4190	0.007
4200	0.007
4210	0.006
4220	0.006
4230	0.006
4240	0.005
4250	0.006
4260	0.006
4270	0.006
4280	0.006
4290	0.006
4300	0.006
4310	0.005
4320	0.006
4330	0.007
4340	0.006
4350	0.006
4360	0.006
4370	0.006
4380	0.007
4390	0.011
4400	0.009
4410	0.009
4420	0.009
4430	0.008
4440	0.007
4450	0.007
4460	0.006
4470	0.007
4480	0.008
4490	0.006
4500	0.006

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530101704
Firmware Version	3.5

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

Calibration Date	4/18/2017
Test Name	MANUAL_012
Test Start Time	12:03:20 PM
Test Start Date	6/7/2017
Test Length [D:H:M]	0:02:09
Test Interval [M:S]	0:10
Mass Average [mg/m3]	0.005
Mass Minimum [mg/m3]	0.003
Mass Maximum [mg/m3]	0.063
Mass TWA [mg/m3]	0.001
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	777

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
10	0.018		
20	0.01		
30	0.018		
40	0.007		
50	0.006		
60	0.007		
70	0.006		
80	0.008		
90	0.007		
100	0.006		
110	0.006		
120	0.006		
130	0.006		
140	0.007		
150	0.006		
160	0.005		
170	0.005		
180	0.006		
190	0.006		
200	0.006		
210	0.006		
220	0.008		
230	0.005		
240	0.009		
250	0.006		
260	0.005		
270	0.005		
280	0.006		
290	0.012		
300	0.009		
310	0.01		

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

320	0.012
330	0.011
340	0.01
350	0.007
360	0.01
370	0.011
380	0.013
390	0.016
400	0.01
410	0.007
420	0.006
430	0.006
440	0.006
450	0.006
460	0.006
470	0.005
480	0.005
490	0.006
500	0.006
510	0.006
520	0.006
530	0.007
540	0.005
550	0.006
560	0.005
570	0.006
580	0.006
590	0.005
600	0.005
610	0.005
620	0.005
630	0.005
640	0.006
650	0.006
660	0.006
670	0.006
680	0.006
690	0.005
700	0.006
710	0.006
720	0.005
730	0.006
740	0.006
750	0.005
760	0.007
770	0.006
780	0.006

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

790	0.005
800	0.006
810	0.005
820	0.005
830	0.005
840	0.007
850	0.011
860	0.01
870	0.008
880	0.006
890	0.006
900	0.006
910	0.006
920	0.006
930	0.006
940	0.005
950	0.006
960	0.006
970	0.006
980	0.006
990	0.006
1000	0.006
1010	0.005
1020	0.006
1030	0.006
1040	0.006
1050	0.006
1060	0.006
1070	0.007
1080	0.007
1090	0.006
1100	0.007
1110	0.063
1120	0.025
1130	0.011
1140	0.008
1150	0.006
1160	0.005
1170	0.006
1180	0.005
1190	0.006
1200	0.006
1210	0.005
1220	0.005
1230	0.005
1240	0.005
1250	0.006

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

1260	0.005
1270	0.006
1280	0.006
1290	0.009
1300	0.006
1310	0.005
1320	0.006
1330	0.005
1340	0.007
1350	0.006
1360	0.005
1370	0.006
1380	0.005
1390	0.006
1400	0.005
1410	0.006
1420	0.006
1430	0.005
1440	0.005
1450	0.006
1460	0.006
1470	0.005
1480	0.006
1490	0.006
1500	0.005
1510	0.006
1520	0.006
1530	0.005
1540	0.006
1550	0.005
1560	0.006
1570	0.005
1580	0.005
1590	0.005
1600	0.005
1610	0.005
1620	0.005
1630	0.006
1640	0.005
1650	0.005
1660	0.005
1670	0.005
1680	0.006
1690	0.005
1700	0.005
1710	0.005
1720	0.005

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

1730	0.005
1740	0.005
1750	0.005
1760	0.005
1770	0.005
1780	0.005
1790	0.005
1800	0.005
1810	0.005
1820	0.005
1830	0.005
1840	0.005
1850	0.005
1860	0.005
1870	0.005
1880	0.005
1890	0.005
1900	0.006
1910	0.005
1920	0.011
1930	0.005
1940	0.005
1950	0.005
1960	0.005
1970	0.005
1980	0.005
1990	0.005
2000	0.005
2010	0.006
2020	0.005
2030	0.005
2040	0.005
2050	0.005
2060	0.005
2070	0.005
2080	0.006
2090	0.005
2100	0.005
2110	0.005
2120	0.005
2130	0.005
2140	0.005
2150	0.005
2160	0.005
2170	0.005
2180	0.005
2190	0.005

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

2200	0.005
2210	0.005
2220	0.005
2230	0.005
2240	0.005
2250	0.005
2260	0.006
2270	0.006
2280	0.005
2290	0.005
2300	0.005
2310	0.005
2320	0.005
2330	0.005
2340	0.005
2350	0.006
2360	0.005
2370	0.005
2380	0.005
2390	0.005
2400	0.006
2410	0.005
2420	0.005
2430	0.005
2440	0.005
2450	0.005
2460	0.005
2470	0.005
2480	0.005
2490	0.004
2500	0.005
2510	0.005
2520	0.005
2530	0.005
2540	0.005
2550	0.005
2560	0.005
2570	0.005
2580	0.005
2590	0.005
2600	0.005
2610	0.004
2620	0.005
2630	0.005
2640	0.005
2650	0.005
2660	0.005

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

2670	0.005
2680	0.004
2690	0.005
2700	0.005
2710	0.005
2720	0.005
2730	0.004
2740	0.006
2750	0.006
2760	0.005
2770	0.005
2780	0.006
2790	0.005
2800	0.005
2810	0.005
2820	0.004
2830	0.005
2840	0.005
2850	0.005
2860	0.005
2870	0.005
2880	0.005
2890	0.004
2900	0.005
2910	0.004
2920	0.006
2930	0.004
2940	0.005
2950	0.004
2960	0.005
2970	0.004
2980	0.005
2990	0.005
3000	0.005
3010	0.005
3020	0.005
3030	0.004
3040	0.005
3050	0.005
3060	0.008
3070	0.005
3080	0.006
3090	0.005
3100	0.005
3110	0.005
3120	0.005
3130	0.005

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

3140	0.005
3150	0.005
3160	0.005
3170	0.005
3180	0.006
3190	0.005
3200	0.006
3210	0.005
3220	0.005
3230	0.005
3240	0.005
3250	0.005
3260	0.005
3270	0.005
3280	0.005
3290	0.005
3300	0.005
3310	0.005
3320	0.005
3330	0.005
3340	0.005
3350	0.005
3360	0.004
3370	0.005
3380	0.004
3390	0.005
3400	0.005
3410	0.005
3420	0.004
3430	0.004
3440	0.004
3450	0.004
3460	0.004
3470	0.004
3480	0.004
3490	0.004
3500	0.005
3510	0.004
3520	0.004
3530	0.005
3540	0.004
3550	0.004
3560	0.005
3570	0.004
3580	0.004
3590	0.004
3600	0.005

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

3610	0.004
3620	0.005
3630	0.005
3640	0.005
3650	0.004
3660	0.004
3670	0.004
3680	0.004
3690	0.004
3700	0.004
3710	0.005
3720	0.004
3730	0.005
3740	0.005
3750	0.005
3760	0.005
3770	0.005
3780	0.005
3790	0.004
3800	0.005
3810	0.005
3820	0.005
3830	0.004
3840	0.005
3850	0.005
3860	0.005
3870	0.005
3880	0.004
3890	0.004
3900	0.005
3910	0.004
3920	0.004
3930	0.004
3940	0.005
3950	0.005
3960	0.005
3970	0.004
3980	0.005
3990	0.005
4000	0.005
4010	0.006
4020	0.006
4030	0.005
4040	0.01
4050	0.005
4060	0.005
4070	0.004

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

4080	0.004
4090	0.005
4100	0.004
4110	0.005
4120	0.004
4130	0.004
4140	0.004
4150	0.004
4160	0.004
4170	0.004
4180	0.004
4190	0.004
4200	0.005
4210	0.014
4220	0.017
4230	0.011
4240	0.016
4250	0.014
4260	0.01
4270	0.009
4280	0.007
4290	0.009
4300	0.011
4310	0.013
4320	0.01
4330	0.013
4340	0.008
4350	0.014
4360	0.016
4370	0.007
4380	0.006
4390	0.005
4400	0.005
4410	0.005
4420	0.004
4430	0.004
4440	0.005
4450	0.005
4460	0.005
4470	0.005
4480	0.004
4490	0.004
4500	0.004
4510	0.004
4520	0.005
4530	0.004
4540	0.004

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

4550	0.005
4560	0.004
4570	0.005
4580	0.005
4590	0.007
4600	0.004
4610	0.004
4620	0.004
4630	0.004
4640	0.004
4650	0.004
4660	0.005
4670	0.004
4680	0.004
4690	0.004
4700	0.005
4710	0.005
4720	0.005
4730	0.005
4740	0.009
4750	0.004
4760	0.005
4770	0.004
4780	0.004
4790	0.004
4800	0.004
4810	0.004
4820	0.004
4830	0.004
4840	0.004
4850	0.005
4860	0.004
4870	0.004
4880	0.004
4890	0.004
4900	0.004
4910	0.004
4920	0.005
4930	0.004
4940	0.004
4950	0.004
4960	0.004
4970	0.004
4980	0.004
4990	0.004
5000	0.005
5010	0.004

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

5020	0.004
5030	0.004
5040	0.004
5050	0.005
5060	0.004
5070	0.004
5080	0.004
5090	0.004
5100	0.004
5110	0.004
5120	0.004
5130	0.004
5140	0.004
5150	0.006
5160	0.006
5170	0.005
5180	0.004
5190	0.005
5200	0.004
5210	0.004
5220	0.005
5230	0.004
5240	0.004
5250	0.005
5260	0.004
5270	0.004
5280	0.004
5290	0.004
5300	0.004
5310	0.004
5320	0.004
5330	0.004
5340	0.004
5350	0.004
5360	0.004
5370	0.005
5380	0.004
5390	0.004
5400	0.004
5410	0.004
5420	0.004
5430	0.003
5440	0.005
5450	0.006
5460	0.004
5470	0.004
5480	0.003

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

5490	0.004
5500	0.003
5510	0.003
5520	0.004
5530	0.005
5540	0.004
5550	0.004
5560	0.004
5570	0.004
5580	0.004
5590	0.004
5600	0.008
5610	0.004
5620	0.004
5630	0.003
5640	0.003
5650	0.004
5660	0.004
5670	0.004
5680	0.004
5690	0.004
5700	0.004
5710	0.004
5720	0.004
5730	0.003
5740	0.004
5750	0.004
5760	0.004
5770	0.003
5780	0.004
5790	0.004
5800	0.004
5810	0.007
5820	0.006
5830	0.006
5840	0.008
5850	0.006
5860	0.006
5870	0.005
5880	0.004
5890	0.004
5900	0.004
5910	0.004
5920	0.004
5930	0.004
5940	0.004
5950	0.004

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

5960	0.004
5970	0.004
5980	0.003
5990	0.004
6000	0.004
6010	0.004
6020	0.004
6030	0.004
6040	0.004
6050	0.004
6060	0.004
6070	0.004
6080	0.004
6090	0.004
6100	0.004
6110	0.003
6120	0.004
6130	0.004
6140	0.004
6150	0.009
6160	0.004
6170	0.005
6180	0.005
6190	0.004
6200	0.003
6210	0.004
6220	0.003
6230	0.004
6240	0.003
6250	0.005
6260	0.007
6270	0.011
6280	0.005
6290	0.004
6300	0.003
6310	0.004
6320	0.004
6330	0.003
6340	0.004
6350	0.004
6360	0.004
6370	0.003
6380	0.003
6390	0.004
6400	0.003
6410	0.004
6420	0.004

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

6430	0.004
6440	0.005
6450	0.004
6460	0.004
6470	0.003
6480	0.005
6490	0.004
6500	0.003
6510	0.003
6520	0.004
6530	0.003
6540	0.003
6550	0.004
6560	0.003
6570	0.003
6580	0.004
6590	0.003
6600	0.003
6610	0.016
6620	0.005
6630	0.005
6640	0.004
6650	0.004
6660	0.008
6670	0.006
6680	0.008
6690	0.005
6700	0.005
6710	0.004
6720	0.006
6730	0.004
6740	0.005
6750	0.004
6760	0.006
6770	0.007
6780	0.005
6790	0.009
6800	0.009
6810	0.006
6820	0.008
6830	0.005
6840	0.006
6850	0.005
6860	0.004
6870	0.006
6880	0.004
6890	0.03

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

6900	0.005
6910	0.004
6920	0.003
6930	0.008
6940	0.003
6950	0.003
6960	0.003
6970	0.003
6980	0.004
6990	0.009
7000	0.008
7010	0.004
7020	0.004
7030	0.004
7040	0.003
7050	0.004
7060	0.004
7070	0.004
7080	0.008
7090	0.003
7100	0.004
7110	0.006
7120	0.007
7130	0.01
7140	0.01
7150	0.006
7160	0.004
7170	0.003
7180	0.003
7190	0.003
7200	0.003
7210	0.003
7220	0.003
7230	0.003
7240	0.003
7250	0.003
7260	0.003
7270	0.003
7280	0.003
7290	0.003
7300	0.003
7310	0.005
7320	0.007
7330	0.006
7340	0.005
7350	0.004
7360	0.003

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

7370	0.003
7380	0.003
7390	0.003
7400	0.003
7410	0.003
7420	0.003
7430	0.01
7440	0.003
7450	0.003
7460	0.005
7470	0.004
7480	0.004
7490	0.004
7500	0.003
7510	0.003
7520	0.004
7530	0.004
7540	0.003
7550	0.004
7560	0.006
7570	0.004
7580	0.006
7590	0.006
7600	0.005
7610	0.006
7620	0.005
7630	0.005
7640	0.005
7650	0.004
7660	0.004
7670	0.007
7680	0.007
7690	0.006
7700	0.005
7710	0.005
7720	0.006
7730	0.004
7740	0.003
7750	0.004
7760	0.004
7770	0.004

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530101704
Firmware Version	3.5

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

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Calibration Date	4/18/2017
Test Name	MANUAL_013
Test Start Time	8:09:27 AM
Test Start Date	6/8/2017
Test Length [D:H:M]	0:00:01
Test Interval [M:S]	0:10
Mass Average [mg/m3]	0.001
Mass Minimum [mg/m3]	-0.027
Mass Maximum [mg/m3]	0.097
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	10

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
10	0.027		
20	-0.017		
30	-0.022		
40	-0.016		
50	0.097		
60	0.033		
70	-0.022		
80	-0.022		
90	-0.022		
100	-0.027		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530101704
Firmware Version	3.5
Calibration Date	4/18/2017
Test Name	MANUAL_014
Test Start Time	8:13:08 AM
Test Start Date	6/8/2017
Test Length [D:H:M]	0:00:01
Test Interval [M:S]	0:10
Mass Average [mg/m3]	0.007
Mass Minimum [mg/m3]	0.005
Mass Maximum [mg/m3]	0.012
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	8

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

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Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
10	0.012		
20	0.006		
30	0.006		
40	0.006		
50	0.005		
60	0.006		
70	0.006		
80	0.006		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530101704
Firmware Version	3.5
Calibration Date	4/18/2017
Test Name	MANUAL_015
Test Start Time	8:14:37 AM
Test Start Date	6/8/2017
Test Length [D:H:M]	0:05:22
Test Interval [M:S]	0:10
Mass Average [mg/m3]	0.002
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.238
Mass TWA [mg/m3]	0.001
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	1934

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
10	0.006		
20	0.005		
30	0.006		
40	0.006		
50	0.006		
60	0.009		
70	0.009		
80	0.007		
90	0.006		
100	0.005		
110	0.006		
120	0.006		
130	0.005		
140	0.005		
150	0.005		
160	0.005		

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

170	0.006
180	0.005
190	0.005
200	0.005
210	0.005
220	0.005
230	0.004
240	0.005
250	0.005
260	0.005
270	0.005
280	0.005
290	0.005
300	0.004
310	0.004
320	0.004
330	0.005
340	0.004
350	0.004
360	0.005
370	0.006
380	0.005
390	0.006
400	0.005
410	0.006
420	0.006
430	0.005
440	0.005
450	0.005
460	0.004
470	0.005
480	0.005
490	0.007
500	0.007
510	0.005
520	0.005
530	0.004
540	0.009
550	0.005
560	0.005
570	0.005
580	0.005
590	0.005
600	0.004
610	0.005
620	0.005
630	0.006

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

640	0.016
650	0.009
660	0.007
670	0.006
680	0.006
690	0.011
700	0.017
710	0.011
720	0.007
730	0.005
740	0.005
750	0.006
760	0.008
770	0.006
780	0.005
790	0.005
800	0.006
810	0.005
820	0.005
830	0.006
840	0.006
850	0.009
860	0.007
870	0.008
880	0.007
890	0.006
900	0.006
910	0.006
920	0.006
930	0.005
940	0.005
950	0.005
960	0.004
970	0.005
980	0.004
990	0.009
1000	0.006
1010	0.005
1020	0.005
1030	0.005
1040	0.005
1050	0.005
1060	0.007
1070	0.005
1080	0.005
1090	0.005
1100	0.006

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

1110	0.004
1120	0.005
1130	0.005
1140	0.005
1150	0.012
1160	0.011
1170	0.008
1180	0.004
1190	0.004
1200	0.004
1210	0.004
1220	0.004
1230	0.005
1240	0.005
1250	0.005
1260	0.004
1270	0.004
1280	0.005
1290	0.004
1300	0.005
1310	0.005
1320	0.011
1330	0.006
1340	0.005
1350	0.01
1360	0.008
1370	0.005
1380	0.006
1390	0.006
1400	0.007
1410	0.005
1420	0.005
1430	0.004
1440	0.006
1450	0.005
1460	0.004
1470	0.005
1480	0.004
1490	0.005
1500	0.004
1510	0.007
1520	0.005
1530	0.004
1540	0.005
1550	0.004
1560	0.01
1570	0.005

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

1580	0.004
1590	0.004
1600	0.004
1610	0.004
1620	0.004
1630	0.005
1640	0.005
1650	0.005
1660	0.005
1670	0.005
1680	0.005
1690	0.006
1700	0.005
1710	0.006
1720	0.005
1730	0.004
1740	0.004
1750	0.004
1760	0.005
1770	0.005
1780	0.004
1790	0.004
1800	0.004
1810	0.004
1820	0.004
1830	0.004
1840	0.004
1850	0.004
1860	0.004
1870	0.012
1880	0.008
1890	0.005
1900	0.013
1910	0.007
1920	0.004
1930	0.004
1940	0.003
1950	0.003
1960	0.004
1970	0.004
1980	0.004
1990	0.005
2000	0.004
2010	0.003
2020	0.005
2030	0.003
2040	0.003

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

2050	0.004
2060	0.004
2070	0.004
2080	0.005
2090	0.005
2100	0.004
2110	0.004
2120	0.004
2130	0.004
2140	0.005
2150	0.004
2160	0.004
2170	0.004
2180	0.004
2190	0.003
2200	0.004
2210	0.004
2220	0.004
2230	0.004
2240	0.004
2250	0.004
2260	0.004
2270	0.003
2280	0.004
2290	0.004
2300	0.003
2310	0.004
2320	0.003
2330	0.004
2340	0.004
2350	0.004
2360	0.007
2370	0.004
2380	0.003
2390	0.003
2400	0.004
2410	0.005
2420	0.011
2430	0.004
2440	0.003
2450	0.004
2460	0.003
2470	0.004
2480	0.005
2490	0.004
2500	0.004
2510	0.004

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

2520	0.004
2530	0.004
2540	0.004
2550	0.004
2560	0.004
2570	0.004
2580	0.005
2590	0.004
2600	0.005
2610	0.004
2620	0.004
2630	0.005
2640	0.005
2650	0.004
2660	0.005
2670	0.005
2680	0.004
2690	0.004
2700	0.005
2710	0.004
2720	0.004
2730	0.004
2740	0.004
2750	0.004
2760	0.004
2770	0.005
2780	0.005
2790	0.005
2800	0.004
2810	0.004
2820	0.004
2830	0.004
2840	0.004
2850	0.004
2860	0.004
2870	0.004
2880	0.004
2890	0.004
2900	0.004
2910	0.003
2920	0.004
2930	0.005
2940	0.004
2950	0.004
2960	0.003
2970	0.003
2980	0.003

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

2990	0.004
3000	0.004
3010	0.004
3020	0.004
3030	0.004
3040	0.004
3050	0.004
3060	0.004
3070	0.004
3080	0.056
3090	0.018
3100	0.007
3110	0.005
3120	0.004
3130	0.004
3140	0.003
3150	0.003
3160	0.003
3170	0.004
3180	0.004
3190	0.005
3200	0.004
3210	0.004
3220	0.004
3230	0.004
3240	0.003
3250	0.003
3260	0.003
3270	0.003
3280	0.004
3290	0.004
3300	0.003
3310	0.003
3320	0.006
3330	0.003
3340	0.003
3350	0.003
3360	0.02
3370	0.005
3380	0.004
3390	0.004
3400	0.005
3410	0.004
3420	0.005
3430	0.006
3440	0.004
3450	0.004

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

3460	0.004
3470	0.005
3480	0.005
3490	0.004
3500	0.006
3510	0.005
3520	0.003
3530	0.003
3540	0.002
3550	0.003
3560	0.003
3570	0.003
3580	0.003
3590	0.003
3600	0.003
3610	0.003
3620	0.003
3630	0.003
3640	0.003
3650	0.004
3660	0.003
3670	0.003
3680	0.003
3690	0.003
3700	0.004
3710	0.004
3720	0.004
3730	0.003
3740	0.003
3750	0.004
3760	0.003
3770	0.002
3780	0.003
3790	0.003
3800	0.003
3810	0.003
3820	0.003
3830	0.004
3840	0.003
3850	0.004
3860	0.004
3870	0.003
3880	0.003
3890	0.004
3900	0.004
3910	0.003
3920	0.004

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

3930	0.003
3940	0.003
3950	0.003
3960	0.003
3970	0.004
3980	0.003
3990	0.003
4000	0.003
4010	0.003
4020	0.002
4030	0.003
4040	0.002
4050	0.004
4060	0.003
4070	0.003
4080	0.003
4090	0.004
4100	0.003
4110	0.003
4120	0.003
4130	0.004
4140	0.003
4150	0.003
4160	0.003
4170	0.003
4180	0.003
4190	0.003
4200	0.003
4210	0.004
4220	0.003
4230	0.003
4240	0.003
4250	0.003
4260	0.003
4270	0.003
4280	0.003
4290	0.003
4300	0.003
4310	0.004
4320	0.003
4330	0.003
4340	0.003
4350	0.003
4360	0.004
4370	0.003
4380	0.003
4390	0.003

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

4400	0.004
4410	0.004
4420	0.003
4430	0.003
4440	0.003
4450	0.003
4460	0.003
4470	0.004
4480	0.003
4490	0.003
4500	0.003
4510	0.003
4520	0.002
4530	0.003
4540	0.003
4550	0.003
4560	0.002
4570	0.01
4580	0.003
4590	0.008
4600	0.003
4610	0.004
4620	0.003
4630	0.003
4640	0.004
4650	0.003
4660	0.004
4670	0.004
4680	0.003
4690	0.003
4700	0.003
4710	0.003
4720	0.003
4730	0.003
4740	0.003
4750	0.003
4760	0.003
4770	0.003
4780	0.002
4790	0.005
4800	0.003
4810	0.002
4820	0.003
4830	0.003
4840	0.003
4850	0.003
4860	0.002

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

4870	0.005
4880	0.003
4890	0.003
4900	0.003
4910	0.002
4920	0.003
4930	0.002
4940	0.002
4950	0.002
4960	0.002
4970	0.002
4980	0.002
4990	0.002
5000	0.002
5010	0.002
5020	0.002
5030	0.002
5040	0.002
5050	0.002
5060	0.002
5070	0.003
5080	0.003
5090	0.003
5100	0.002
5110	0.002
5120	0.003
5130	0.002
5140	0.002
5150	0.002
5160	0.002
5170	0.002
5180	0.002
5190	0.002
5200	0.002
5210	0.002
5220	0.003
5230	0.002
5240	0.002
5250	0.002
5260	0.002
5270	0.003
5280	0.003
5290	0.003
5300	0.003
5310	0.002
5320	0.003
5330	0.002

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

5340	0.003
5350	0.004
5360	0.003
5370	0.003
5380	0.003
5390	0.002
5400	0.002
5410	0.002
5420	0.002
5430	0.002
5440	0.002
5450	0.003
5460	0.002
5470	0.002
5480	0.002
5490	0.002
5500	0.002
5510	0.002
5520	0.003
5530	0.002
5540	0.002
5550	0.002
5560	0.002
5570	0.002
5580	0.002
5590	0.002
5600	0.001
5610	0.002
5620	0.002
5630	0.003
5640	0.002
5650	0.003
5660	0.002
5670	0.002
5680	0.002
5690	0.002
5700	0.003
5710	0.002
5720	0.002
5730	0.003
5740	0.003
5750	0.003
5760	0.003
5770	0.003
5780	0.003
5790	0.003
5800	0.002

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

5810	0.002
5820	0.002
5830	0.003
5840	0.002
5850	0.002
5860	0.003
5870	0.002
5880	0.002
5890	0.002
5900	0.002
5910	0.002
5920	0.002
5930	0.003
5940	0.003
5950	0.003
5960	0.003
5970	0.003
5980	0.003
5990	0.002
6000	0.003
6010	0.002
6020	0.002
6030	0.002
6040	0.002
6050	0.001
6060	0.001
6070	0.001
6080	0.001
6090	0.001
6100	0.001
6110	0.001
6120	0.001
6130	0.002
6140	0.005
6150	0.001
6160	0.001
6170	0.002
6180	0.002
6190	0.002
6200	0.002
6210	0.002
6220	0.002
6230	0.002
6240	0.002
6250	0.001
6260	0.002
6270	0.001

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

6280	0.003
6290	0.002
6300	0.002
6310	0.001
6320	0.001
6330	0.002
6340	0.001
6350	0.002
6360	0.002
6370	0.002
6380	0.003
6390	0.003
6400	0.002
6410	0.002
6420	0.002
6430	0.002
6440	0.002
6450	0.003
6460	0.003
6470	0.003
6480	0.003
6490	0.003
6500	0.003
6510	0.003
6520	0.003
6530	0.002
6540	0.002
6550	0.002
6560	0.003
6570	0.01
6580	0.003
6590	0.003
6600	0.003
6610	0.003
6620	0.002
6630	0.002
6640	0.002
6650	0.002
6660	0.002
6670	0.002
6680	0.002
6690	0.002
6700	0.002
6710	0.002
6720	0.002
6730	0.002
6740	0.001

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

6750	0.014
6760	0.002
6770	0.006
6780	0.002
6790	0.003
6800	0.002
6810	0.002
6820	0.002
6830	0.003
6840	0.002
6850	0.002
6860	0.002
6870	0.003
6880	0.002
6890	0.002
6900	0.002
6910	0.002
6920	0.002
6930	0.002
6940	0.002
6950	0.002
6960	0.003
6970	0.002
6980	0.002
6990	0.002
7000	0.002
7010	0.001
7020	0.002
7030	0.002
7040	0.001
7050	0.001
7060	0.004
7070	0.002
7080	0.001
7090	0.002
7100	0.002
7110	0.002
7120	0.002
7130	0.002
7140	0.002
7150	0.002
7160	0.002
7170	0.002
7180	0.002
7190	0.002
7200	0.002
7210	0.001

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

7220	0.002
7230	0.001
7240	0.002
7250	0.002
7260	0.001
7270	0.002
7280	0.002
7290	0.003
7300	0.002
7310	0.002
7320	0.002
7330	0.002
7340	0.002
7350	0.002
7360	0.002
7370	0.002
7380	0.002
7390	0.002
7400	0.001
7410	0.001
7420	0.001
7430	0.002
7440	0.002
7450	0.002
7460	0.002
7470	0.002
7480	0.002
7490	0.002
7500	0.002
7510	0.002
7520	0.002
7530	0.002
7540	0.001
7550	0.001
7560	0.002
7570	0.019
7580	0.002
7590	0.002
7600	0.002
7610	0.002
7620	0.002
7630	0.002
7640	0.002
7650	0.002
7660	0.002
7670	0.002
7680	0.002

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

7690	0.002
7700	0.002
7710	0.001
7720	0.002
7730	0.002
7740	0.002
7750	0.002
7760	0.002
7770	0.002
7780	0.002
7790	0.002
7800	0.002
7810	0.002
7820	0.002
7830	0.001
7840	0.002
7850	0.001
7860	0.002
7870	0.002
7880	0.002
7890	0.002
7900	0.001
7910	0.002
7920	0.001
7930	0.002
7940	0.001
7950	0.001
7960	0.002
7970	0.002
7980	0.002
7990	0.002
8000	0.001
8010	0.002
8020	0.002
8030	0.001
8040	0.002
8050	0.001
8060	0.001
8070	0.001
8080	0.002
8090	0.001
8100	0.002
8110	0.001
8120	0.002
8130	0.001
8140	0.002
8150	0.001

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

8160	0.001
8170	0.001
8180	0.001
8190	0.001
8200	0.001
8210	0
8220	0.001
8230	0.001
8240	0.001
8250	0.001
8260	0
8270	0.001
8280	0.001
8290	0.001
8300	0.001
8310	0.001
8320	0.001
8330	0.001
8340	0.001
8350	0.001
8360	0.001
8370	0.001
8380	0.001
8390	0.001
8400	0.001
8410	0.001
8420	0.001
8430	0.001
8440	0.001
8450	0.002
8460	0.002
8470	0.001
8480	0.001
8490	0.001
8500	0.001
8510	0.001
8520	0.001
8530	0.001
8540	0
8550	0
8560	0.001
8570	0.001
8580	0.001
8590	0
8600	0.001
8610	0
8620	0.001

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

8630	0
8640	0
8650	0.001
8660	0.001
8670	0.001
8680	0
8690	0.001
8700	0
8710	0.001
8720	0
8730	0.001
8740	0.001
8750	0.001
8760	0
8770	0.001
8780	0.001
8790	0.001
8800	0.001
8810	0.001
8820	0
8830	0.002
8840	0.001
8850	0
8860	0
8870	0.001
8880	0.001
8890	0
8900	0.001
8910	0
8920	0
8930	0
8940	0.001
8950	0
8960	0
8970	0
8980	0
8990	0.005
9000	0
9010	0
9020	0
9030	0
9040	0
9050	0
9060	0
9070	0
9080	0
9090	0.001

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

9100	0
9110	0
9120	0
9130	0
9140	0
9150	0
9160	0
9170	0
9180	0
9190	0
9200	0
9210	0
9220	0
9230	0
9240	0
9250	0.001
9260	0
9270	0
9280	0
9290	0
9300	0
9310	0
9320	0
9330	0
9340	0
9350	0
9360	0
9370	0
9380	0.001
9390	0
9400	0
9410	0
9420	0
9430	0
9440	0
9450	0
9460	0
9470	0
9480	0
9490	0
9500	0
9510	0
9520	0
9530	0
9540	0
9550	0
9560	0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

9570	0
9580	0
9590	0
9600	0
9610	0
9620	0
9630	0
9640	0
9650	0
9660	0
9670	0
9680	0
9690	0
9700	0.001
9710	0
9720	0
9730	0.004
9740	0
9750	0
9760	0
9770	0
9780	0
9790	0
9800	0.001
9810	0
9820	0.001
9830	0.001
9840	0
9850	0
9860	0.001
9870	0
9880	0
9890	0
9900	0
9910	0
9920	0
9930	0
9940	0
9950	0
9960	0.001
9970	0.001
9980	0.001
9990	0
10000	0
10010	0
10020	0
10030	0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

10040	0
10050	0
10060	0
10070	0
10080	0
10090	0
10100	0
10110	0
10120	0
10130	0
10140	0
10150	0
10160	0
10170	0
10180	0.001
10190	0
10200	0
10210	0
10220	0
10230	0
10240	0
10250	0
10260	0
10270	0
10280	0
10290	0
10300	0
10310	0
10320	0
10330	0
10340	0
10350	0
10360	0
10370	0
10380	0
10390	0
10400	0
10410	0
10420	0
10430	0
10440	0
10450	0
10460	0
10470	0
10480	0
10490	0
10500	0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

10510	0
10520	0
10530	0
10540	0
10550	0
10560	0
10570	0
10580	0
10590	0
10600	0.001
10610	0
10620	0
10630	0.002
10640	0.002
10650	0
10660	0
10670	0
10680	0
10690	0.001
10700	0
10710	0
10720	0.001
10730	0.007
10740	0
10750	0
10760	0
10770	0
10780	0
10790	0
10800	0
10810	0
10820	0
10830	0
10840	0
10850	0
10860	0
10870	0
10880	0
10890	0
10900	0
10910	0
10920	0
10930	0
10940	0.002
10950	0
10960	0
10970	0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

10980	0
10990	0
11000	0
11010	0
11020	0
11030	0
11040	0
11050	0.003
11060	0
11070	0
11080	0
11090	0
11100	0
11110	0
11120	0
11130	0
11140	0.007
11150	0
11160	0
11170	0
11180	0.001
11190	0
11200	0
11210	0.004
11220	0
11230	0
11240	0
11250	0
11260	0
11270	0
11280	0.001
11290	0
11300	0
11310	0
11320	0
11330	0
11340	0
11350	0
11360	0
11370	0
11380	0.001
11390	0
11400	0.001
11410	0
11420	0
11430	0
11440	0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

11450	0
11460	0
11470	0
11480	0
11490	0
11500	0
11510	0
11520	0
11530	0
11540	0.001
11550	0
11560	0
11570	0
11580	0
11590	0
11600	0
11610	0
11620	0
11630	0
11640	0
11650	0.001
11660	0.001
11670	0.001
11680	0
11690	0.001
11700	0.001
11710	0.001
11720	0
11730	0.001
11740	0.001
11750	0.001
11760	0.002
11770	0.001
11780	0.002
11790	0.002
11800	0
11810	0.002
11820	0.001
11830	0.001
11840	0.001
11850	0
11860	0
11870	0
11880	0
11890	0
11900	0
11910	0.001

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

11920	0
11930	0
11940	0.001
11950	0.001
11960	0
11970	0
11980	0
11990	0
12000	0.001
12010	0.001
12020	0.001
12030	0.001
12040	0.001
12050	0.001
12060	0.001
12070	0
12080	0
12090	0.001
12100	0
12110	0.001
12120	0
12130	0
12140	0
12150	0
12160	0
12170	0
12180	0.002
12190	0
12200	0
12210	0
12220	0
12230	0
12240	0.001
12250	0
12260	0
12270	0
12280	0
12290	0
12300	0
12310	0.001
12320	0
12330	0
12340	0
12350	0
12360	0
12370	0
12380	0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

12390	0
12400	0
12410	0
12420	0
12430	0
12440	0.001
12450	0
12460	0
12470	0
12480	0
12490	0
12500	0.001
12510	0
12520	0
12530	0
12540	0
12550	0
12560	0
12570	0
12580	0
12590	0
12600	0
12610	0.006
12620	0
12630	0
12640	0
12650	0
12660	0
12670	0
12680	0
12690	0
12700	0
12710	0
12720	0
12730	0
12740	0
12750	0
12760	0
12770	0
12780	0.002
12790	0.002
12800	0
12810	0
12820	0
12830	0
12840	0
12850	0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

12860	0
12870	0
12880	0
12890	0
12900	0
12910	0
12920	0
12930	0
12940	0
12950	0
12960	0.002
12970	0
12980	0
12990	0
13000	0
13010	0
13020	0
13030	0
13040	0
13050	0
13060	0
13070	0
13080	0
13090	0
13100	0
13110	0
13120	0
13130	0
13140	0
13150	0
13160	0
13170	0
13180	0
13190	0
13200	0
13210	0
13220	0
13230	0
13240	0
13250	0.001
13260	0
13270	0
13280	0
13290	0.001
13300	0
13310	0
13320	0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

13330	0
13340	0
13350	0
13360	0
13370	0
13380	0
13390	0
13400	0
13410	0
13420	0
13430	0
13440	0
13450	0
13460	0
13470	0
13480	0
13490	0
13500	0
13510	0
13520	0
13530	0
13540	0
13550	0
13560	0
13570	0
13580	0
13590	0
13600	0
13610	0
13620	0
13630	0.001
13640	0
13650	0
13660	0
13670	0
13680	0
13690	0
13700	0
13710	0
13720	0
13730	0
13740	0
13750	0
13760	0
13770	0
13780	0
13790	0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

13800	0
13810	0
13820	0
13830	0
13840	0
13850	0
13860	0
13870	0
13880	0
13890	0
13900	0
13910	0
13920	0.004
13930	0
13940	0
13950	0
13960	0
13970	0
13980	0
13990	0
14000	0
14010	0
14020	0
14030	0
14040	0
14050	0
14060	0
14070	0
14080	0
14090	0
14100	0
14110	0
14120	0
14130	0
14140	0
14150	0
14160	0
14170	0
14180	0
14190	0
14200	0
14210	0
14220	0
14230	0
14240	0
14250	0
14260	0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

14270	0
14280	0
14290	0
14300	0
14310	0
14320	0
14330	0
14340	0
14350	0
14360	0
14370	0
14380	0
14390	0
14400	0
14410	0
14420	0
14430	0
14440	0
14450	0
14460	0
14470	0
14480	0
14490	0
14500	0
14510	0
14520	0
14530	0
14540	0.002
14550	0.002
14560	0
14570	0
14580	0
14590	0
14600	0
14610	0
14620	0
14630	0.005
14640	0
14650	0.001
14660	0
14670	0
14680	0
14690	0
14700	0
14710	0
14720	0
14730	0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

14740	0
14750	0
14760	0
14770	0
14780	0
14790	0
14800	0
14810	0
14820	0
14830	0
14840	0
14850	0
14860	0
14870	0
14880	0
14890	0
14900	0
14910	0
14920	0
14930	0
14940	0
14950	0
14960	0
14970	0.003
14980	0.001
14990	0
15000	0
15010	0.001
15020	0.001
15030	0
15040	0
15050	0
15060	0
15070	0
15080	0
15090	0
15100	0
15110	0
15120	0
15130	0
15140	0
15150	0
15160	0
15170	0
15180	0
15190	0
15200	0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

15210	0
15220	0
15230	0
15240	0.004
15250	0
15260	0
15270	0
15280	0
15290	0
15300	0
15310	0
15320	0
15330	0
15340	0
15350	0
15360	0
15370	0
15380	0
15390	0
15400	0
15410	0
15420	0
15430	0
15440	0
15450	0
15460	0
15470	0
15480	0.001
15490	0
15500	0
15510	0
15520	0
15530	0
15540	0
15550	0
15560	0
15570	0
15580	0
15590	0
15600	0
15610	0
15620	0
15630	0
15640	0
15650	0
15660	0
15670	0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

15680	0
15690	0
15700	0
15710	0
15720	0
15730	0
15740	0
15750	0
15760	0
15770	0.001
15780	0.002
15790	0
15800	0
15810	0
15820	0
15830	0
15840	0
15850	0.001
15860	0
15870	0
15880	0
15890	0
15900	0
15910	0
15920	0
15930	0
15940	0
15950	0
15960	0
15970	0
15980	0
15990	0
16000	0
16010	0
16020	0
16030	0
16040	0
16050	0
16060	0
16070	0
16080	0
16090	0
16100	0
16110	0
16120	0
16130	0
16140	0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

16150	0
16160	0
16170	0
16180	0
16190	0
16200	0
16210	0
16220	0
16230	0
16240	0
16250	0
16260	0
16270	0
16280	0
16290	0
16300	0
16310	0
16320	0
16330	0
16340	0
16350	0
16360	0
16370	0
16380	0
16390	0
16400	0
16410	0
16420	0
16430	0
16440	0
16450	0
16460	0
16470	0
16480	0
16490	0
16500	0
16510	0.002
16520	0
16530	0
16540	0
16550	0
16560	0
16570	0
16580	0
16590	0
16600	0
16610	0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

16620	0
16630	0
16640	0
16650	0
16660	0
16670	0
16680	0
16690	0
16700	0
16710	0
16720	0
16730	0
16740	0
16750	0
16760	0
16770	0
16780	0
16790	0
16800	0
16810	0
16820	0
16830	0
16840	0
16850	0
16860	0
16870	0
16880	0.002
16890	0
16900	0
16910	0
16920	0
16930	0
16940	0
16950	0.001
16960	0
16970	0
16980	0
16990	0
17000	0
17010	0.002
17020	0
17030	0
17040	0
17050	0
17060	0
17070	0
17080	0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

17090	0
17100	0
17110	0
17120	0
17130	0
17140	0
17150	0
17160	0
17170	0
17180	0
17190	0
17200	0
17210	0
17220	0
17230	0
17240	0
17250	0
17260	0
17270	0
17280	0
17290	0
17300	0
17310	0
17320	0
17330	0
17340	0
17350	0
17360	0
17370	0
17380	0
17390	0
17400	0
17410	0
17420	0
17430	0
17440	0
17450	0
17460	0
17470	0
17480	0
17490	0
17500	0
17510	0
17520	0
17530	0
17540	0
17550	0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

17560	0
17570	0
17580	0
17590	0
17600	0
17610	0
17620	0
17630	0
17640	0
17650	0
17660	0
17670	0
17680	0
17690	0
17700	0
17710	0
17720	0
17730	0
17740	0
17750	0
17760	0
17770	0.051
17780	0
17790	0
17800	0
17810	0
17820	0
17830	0
17840	0
17850	0
17860	0
17870	0
17880	0
17890	0
17900	0
17910	0
17920	0.001
17930	0
17940	0
17950	0
17960	0
17970	0
17980	0
17990	0
18000	0
18010	0
18020	0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

18030	0
18040	0
18050	0
18060	0
18070	0
18080	0
18090	0
18100	0
18110	0
18120	0
18130	0
18140	0
18150	0
18160	0
18170	0
18180	0
18190	0
18200	0
18210	0
18220	0
18230	0
18240	0
18250	0
18260	0
18270	0
18280	0
18290	0
18300	0
18310	0
18320	0
18330	0
18340	0
18350	0
18360	0
18370	0
18380	0
18390	0
18400	0
18410	0
18420	0
18430	0
18440	0
18450	0
18460	0
18470	0
18480	0
18490	0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

18500	0
18510	0
18520	0
18530	0
18540	0
18550	0
18560	0
18570	0
18580	0
18590	0
18600	0
18610	0
18620	0
18630	0
18640	0
18650	0
18660	0
18670	0
18680	0
18690	0
18700	0
18710	0
18720	0
18730	0
18740	0
18750	0
18760	0
18770	0
18780	0
18790	0
18800	0
18810	0
18820	0
18830	0
18840	0
18850	0
18860	0
18870	0
18880	0
18890	0
18900	0
18910	0
18920	0
18930	0
18940	0
18950	0
18960	0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

18970	0
18980	0
18990	0
19000	0
19010	0
19020	0
19030	0
19040	0
19050	0
19060	0
19070	0
19080	0
19090	0
19100	0
19110	0
19120	0
19130	0
19140	0
19150	0
19160	0
19170	0
19180	0
19190	0
19200	0
19210	0
19220	0
19230	0
19240	0
19250	0
19260	0
19270	0
19280	0
19290	0
19300	0
19310	0
19320	0
19330	0
19340	0.238

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530101704
Firmware Version	3.5
Calibration Date	4/18/2017
Test Name	MANUAL_016
Test Start Time	8:03:20 AM

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

Test Start Date	6/9/2017
Test Length [D:H:M]	0:01:03
Test Interval [M:S]	0:10
Mass Average [mg/m3]	0.003
Mass Minimum [mg/m3]	0.001
Mass Maximum [mg/m3]	0.039
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	381

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
10	0.007		
20	0.002		
30	0.003		
40	0.002		
50	0.003		
60	0.005		
70	0.005		
80	0.009		
90	0.005		
100	0.004		
110	0.005		
120	0.005		
130	0.004		
140	0.004		
150	0.006		
160	0.014		
170	0.007		
180	0.008		
190	0.014		
200	0.01		
210	0.009		
220	0.007		
230	0.006		
240	0.007		
250	0.011		
260	0.004		
270	0.003		
280	0.005		
290	0.011		
300	0.037		
310	0.008		
320	0.004		
330	0.007		
340	0.01		

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

350	0.006
360	0.004
370	0.005
380	0.015
390	0.025
400	0.018
410	0.019
420	0.01
430	0.026
440	0.012
450	0.016
460	0.015
470	0.008
480	0.01
490	0.004
500	0.01
510	0.003
520	0.004
530	0.011
540	0.007
550	0.005
560	0.005
570	0.009
580	0.005
590	0.003
600	0.003
610	0.002
620	0.002
630	0.009
640	0.002
650	0.002
660	0.002
670	0.002
680	0.002
690	0.004
700	0.002
710	0.003
720	0.002
730	0.002
740	0.002
750	0.002
760	0.002
770	0.002
780	0.002
790	0.002
800	0.002
810	0.002

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

820	0.003
830	0.004
840	0.004
850	0.003
860	0.003
870	0.003
880	0.002
890	0.005
900	0.003
910	0.003
920	0.002
930	0.003
940	0.002
950	0.002
960	0.003
970	0.016
980	0.003
990	0.002
1000	0.003
1010	0.003
1020	0.003
1030	0.003
1040	0.003
1050	0.002
1060	0.003
1070	0.003
1080	0.002
1090	0.002
1100	0.002
1110	0.002
1120	0.003
1130	0.004
1140	0.003
1150	0.002
1160	0.002
1170	0.003
1180	0.003
1190	0.002
1200	0.002
1210	0.002
1220	0.002
1230	0.002
1240	0.003
1250	0.002
1260	0.002
1270	0.002
1280	0.006

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

1290	0.002
1300	0.002
1310	0.002
1320	0.002
1330	0.002
1340	0.002
1350	0.002
1360	0.002
1370	0.002
1380	0.002
1390	0.002
1400	0.002
1410	0.002
1420	0.002
1430	0.002
1440	0.002
1450	0.003
1460	0.003
1470	0.003
1480	0.003
1490	0.002
1500	0.002
1510	0.002
1520	0.002
1530	0.002
1540	0.002
1550	0.002
1560	0.002
1570	0.002
1580	0.002
1590	0.002
1600	0.002
1610	0.002
1620	0.002
1630	0.002
1640	0.002
1650	0.002
1660	0.002
1670	0.002
1680	0.002
1690	0.002
1700	0.002
1710	0.002
1720	0.002
1730	0.002
1740	0.002
1750	0.039

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

1760	0.005
1770	0.002
1780	0.002
1790	0.002
1800	0.002
1810	0.002
1820	0.002
1830	0.002
1840	0.002
1850	0.002
1860	0.002
1870	0.006
1880	0.004
1890	0.003
1900	0.009
1910	0.004
1920	0.004
1930	0.003
1940	0.002
1950	0.002
1960	0.002
1970	0.002
1980	0.002
1990	0.002
2000	0.002
2010	0.002
2020	0.003
2030	0.003
2040	0.002
2050	0.003
2060	0.002
2070	0.002
2080	0.002
2090	0.002
2100	0.002
2110	0.003
2120	0.002
2130	0.002
2140	0.002
2150	0.002
2160	0.002
2170	0.002
2180	0.002
2190	0.002
2200	0.002
2210	0.002
2220	0.002

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

2230	0.002
2240	0.002
2250	0.002
2260	0.002
2270	0.002
2280	0.002
2290	0.002
2300	0.002
2310	0.002
2320	0.002
2330	0.002
2340	0.002
2350	0.003
2360	0.003
2370	0.002
2380	0.002
2390	0.002
2400	0.002
2410	0.002
2420	0.002
2430	0.002
2440	0.002
2450	0.002
2460	0.002
2470	0.002
2480	0.002
2490	0.002
2500	0.001
2510	0.002
2520	0.002
2530	0.002
2540	0.002
2550	0.002
2560	0.002
2570	0.002
2580	0.003
2590	0.004
2600	0.002
2610	0.002
2620	0.002
2630	0.001
2640	0.001
2650	0.002
2660	0.002
2670	0.002
2680	0.002
2690	0.002

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

2700	0.002
2710	0.002
2720	0.003
2730	0.002
2740	0.002
2750	0.002
2760	0.002
2770	0.002
2780	0.001
2790	0.002
2800	0.002
2810	0.002
2820	0.002
2830	0.002
2840	0.002
2850	0.002
2860	0.002
2870	0.002
2880	0.002
2890	0.002
2900	0.002
2910	0.002
2920	0.001
2930	0.002
2940	0.002
2950	0.001
2960	0.002
2970	0.001
2980	0.002
2990	0.002
3000	0.002
3010	0.002
3020	0.004
3030	0.002
3040	0.001
3050	0.001
3060	0.001
3070	0.001
3080	0.001
3090	0.001
3100	0.001
3110	0.001
3120	0.001
3130	0.001
3140	0.007
3150	0.001
3160	0.001

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

3170	0.001
3180	0.002
3190	0.001
3200	0.001
3210	0.001
3220	0.002
3230	0.001
3240	0.001
3250	0.002
3260	0.001
3270	0.001
3280	0.001
3290	0.001
3300	0.001
3310	0.001
3320	0.002
3330	0.002
3340	0.002
3350	0.002
3360	0.001
3370	0.001
3380	0.001
3390	0.001
3400	0.001
3410	0.007
3420	0.01
3430	0.007
3440	0.002
3450	0.002
3460	0.003
3470	0.002
3480	0.002
3490	0.002
3500	0.002
3510	0.001
3520	0.001
3530	0.003
3540	0.001
3550	0.001
3560	0.002
3570	0.001
3580	0.001
3590	0.001
3600	0.001
3610	0.001
3620	0.001
3630	0.019

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

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3640	0.004
3650	0.002
3660	0.001
3670	0.001
3680	0.001
3690	0.003
3700	0.001
3710	0.001
3720	0.001
3730	0.001
3740	0.001
3750	0.002
3760	0.002
3770	0.003
3780	0.005
3790	0.002
3800	0.001
3810	0.002

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530101704
Firmware Version	3.5
Calibration Date	4/18/2017
Test Name	MANUAL_017
Test Start Time	9:17:19 AM
Test Start Date	6/12/2017
Test Length [D:H:M]	0:00:01
Test Interval [M:S]	0:10
Mass Average [mg/m3]	0.041
Mass Minimum [mg/m3]	0.038
Mass Maximum [mg/m3]	0.042
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	9

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
10	0.038		
20	0.04		
30	0.041		
40	0.041		
50	0.042		
60	0.042		
70	0.041		

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

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80	0.042
90	0.041

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530101704
Firmware Version	3.5
Calibration Date	4/18/2017
Test Name	MANUAL_018
Test Start Time	9:19:06 AM
Test Start Date	6/12/2017
Test Length [D:H:M]	0:00:41
Test Interval [M:S]	0:10
Mass Average [mg/m3]	0.041
Mass Minimum [mg/m3]	0.036
Mass Maximum [mg/m3]	0.071
Mass TWA [mg/m3]	0.003
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	246

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
10	0.043		
20	0.043		
30	0.042		
40	0.042		
50	0.042		
60	0.043		
70	0.042		
80	0.043		
90	0.043		
100	0.042		
110	0.042		
120	0.043		
130	0.043		
140	0.042		
150	0.043		
160	0.042		
170	0.041		
180	0.042		
190	0.042		
200	0.042		
210	0.042		
220	0.043		
230	0.043		

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

240	0.043
250	0.042
260	0.043
270	0.043
280	0.044
290	0.043
300	0.043
310	0.043
320	0.043
330	0.044
340	0.043
350	0.042
360	0.043
370	0.043
380	0.048
390	0.042
400	0.042
410	0.042
420	0.042
430	0.043
440	0.043
450	0.043
460	0.042
470	0.042
480	0.042
490	0.042
500	0.042
510	0.042
520	0.043
530	0.041
540	0.042
550	0.042
560	0.042
570	0.043
580	0.042
590	0.042
600	0.042
610	0.041
620	0.043
630	0.043
640	0.042
650	0.042
660	0.042
670	0.043
680	0.043
690	0.043
700	0.043

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

710	0.042
720	0.043
730	0.043
740	0.042
750	0.042
760	0.042
770	0.042
780	0.042
790	0.043
800	0.042
810	0.042
820	0.042
830	0.042
840	0.043
850	0.044
860	0.043
870	0.044
880	0.043
890	0.045
900	0.043
910	0.045
920	0.043
930	0.043
940	0.043
950	0.042
960	0.043
970	0.042
980	0.043
990	0.043
1000	0.042
1010	0.041
1020	0.041
1030	0.042
1040	0.041
1050	0.042
1060	0.041
1070	0.042
1080	0.042
1090	0.042
1100	0.041
1110	0.042
1120	0.041
1130	0.041
1140	0.041
1150	0.042
1160	0.041
1170	0.041

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

1180	0.041
1190	0.047
1200	0.041
1210	0.041
1220	0.041
1230	0.041
1240	0.042
1250	0.042
1260	0.043
1270	0.042
1280	0.042
1290	0.04
1300	0.041
1310	0.041
1320	0.042
1330	0.041
1340	0.041
1350	0.042
1360	0.043
1370	0.042
1380	0.041
1390	0.041
1400	0.041
1410	0.041
1420	0.04
1430	0.04
1440	0.042
1450	0.041
1460	0.04
1470	0.04
1480	0.04
1490	0.039
1500	0.04
1510	0.039
1520	0.039
1530	0.039
1540	0.039
1550	0.04
1560	0.039
1570	0.039
1580	0.041
1590	0.039
1600	0.039
1610	0.039
1620	0.039
1630	0.038
1640	0.038

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

1650	0.039
1660	0.039
1670	0.039
1680	0.042
1690	0.038
1700	0.039
1710	0.039
1720	0.038
1730	0.038
1740	0.037
1750	0.037
1760	0.038
1770	0.038
1780	0.038
1790	0.038
1800	0.038
1810	0.037
1820	0.037
1830	0.036
1840	0.036
1850	0.037
1860	0.037
1870	0.036
1880	0.036
1890	0.036
1900	0.036
1910	0.036
1920	0.038
1930	0.036
1940	0.036
1950	0.036
1960	0.036
1970	0.039
1980	0.036
1990	0.036
2000	0.037
2010	0.036
2020	0.036
2030	0.036
2040	0.036
2050	0.036
2060	0.036
2070	0.036
2080	0.036
2090	0.037
2100	0.037
2110	0.037

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

2120	0.037
2130	0.037
2140	0.038
2150	0.037
2160	0.037
2170	0.037
2180	0.037
2190	0.037
2200	0.037
2210	0.036
2220	0.036
2230	0.037
2240	0.037
2250	0.038
2260	0.04
2270	0.039
2280	0.039
2290	0.039
2300	0.039
2310	0.038
2320	0.037
2330	0.039
2340	0.038
2350	0.037
2360	0.04
2370	0.04
2380	0.04
2390	0.039
2400	0.041
2410	0.041
2420	0.042
2430	0.044
2440	0.044
2450	0.071
2460	0.042

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530101704
Firmware Version	3.5
Calibration Date	4/18/2017
Test Name	MANUAL_019
Test Start Time	10:49:47 AM
Test Start Date	6/12/2017
Test Length [D:H:M]	0:00:00
Test Interval [M:S]	0:10

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

Mass Average [mg/m3]	0.049
Mass Minimum [mg/m3]	0.043
Mass Maximum [mg/m3]	0.053
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	4

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
10	0.043		
20	0.05		
30	0.051		
40	0.053		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530101704
Firmware Version	3.5
Calibration Date	4/18/2017
Test Name	MANUAL_020
Test Start Time	10:50:42 AM
Test Start Date	6/12/2017
Test Length [D:H:M]	0:01:49
Test Interval [M:S]	0:10
Mass Average [mg/m3]	0.036
Mass Minimum [mg/m3]	0.022
Mass Maximum [mg/m3]	0.069
Mass TWA [mg/m3]	0.008
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	656

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
10	0.053		
20	0.054		
30	0.055		
40	0.054		
50	0.053		
60	0.054		
70	0.054		
80	0.054		
90	0.055		
100	0.052		
110	0.053		

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

120	0.052
130	0.053
140	0.053
150	0.056
160	0.053
170	0.055
180	0.054
190	0.054
200	0.051
210	0.052
220	0.051
230	0.052
240	0.052
250	0.051
260	0.052
270	0.052
280	0.051
290	0.052
300	0.052
310	0.053
320	0.051
330	0.051
340	0.051
350	0.051
360	0.052
370	0.052
380	0.05
390	0.05
400	0.052
410	0.053
420	0.054
430	0.052
440	0.053
450	0.052
460	0.052
470	0.051
480	0.053
490	0.051
500	0.052
510	0.051
520	0.051
530	0.05
540	0.05
550	0.051
560	0.049
570	0.049
580	0.052

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

590	0.052
600	0.051
610	0.05
620	0.051
630	0.05
640	0.05
650	0.051
660	0.05
670	0.05
680	0.051
690	0.05
700	0.049
710	0.049
720	0.05
730	0.049
740	0.049
750	0.048
760	0.048
770	0.049
780	0.048
790	0.05
800	0.048
810	0.049
820	0.049
830	0.048
840	0.049
850	0.049
860	0.049
870	0.049
880	0.048
890	0.049
900	0.049
910	0.048
920	0.049
930	0.047
940	0.048
950	0.047
960	0.047
970	0.047
980	0.047
990	0.048
1000	0.047
1010	0.047
1020	0.047
1030	0.047
1040	0.046
1050	0.046

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

1060	0.048
1070	0.048
1080	0.051
1090	0.048
1100	0.047
1110	0.047
1120	0.049
1130	0.047
1140	0.047
1150	0.047
1160	0.048
1170	0.047
1180	0.047
1190	0.048
1200	0.046
1210	0.046
1220	0.046
1230	0.046
1240	0.046
1250	0.046
1260	0.046
1270	0.046
1280	0.046
1290	0.047
1300	0.047
1310	0.047
1320	0.048
1330	0.046
1340	0.046
1350	0.045
1360	0.045
1370	0.046
1380	0.045
1390	0.046
1400	0.046
1410	0.046
1420	0.046
1430	0.045
1440	0.045
1450	0.044
1460	0.044
1470	0.045
1480	0.044
1490	0.047
1500	0.044
1510	0.045
1520	0.045

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

1530	0.044
1540	0.044
1550	0.044
1560	0.045
1570	0.044
1580	0.044
1590	0.044
1600	0.044
1610	0.046
1620	0.044
1630	0.044
1640	0.044
1650	0.043
1660	0.044
1670	0.044
1680	0.045
1690	0.043
1700	0.043
1710	0.043
1720	0.043
1730	0.044
1740	0.044
1750	0.043
1760	0.043
1770	0.044
1780	0.042
1790	0.043
1800	0.043
1810	0.042
1820	0.043
1830	0.043
1840	0.042
1850	0.044
1860	0.042
1870	0.042
1880	0.042
1890	0.041
1900	0.04
1910	0.041
1920	0.041
1930	0.041
1940	0.041
1950	0.041
1960	0.042
1970	0.041
1980	0.044
1990	0.044

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

2000	0.044
2010	0.042
2020	0.04
2030	0.041
2040	0.04
2050	0.04
2060	0.039
2070	0.039
2080	0.04
2090	0.04
2100	0.04
2110	0.039
2120	0.041
2130	0.041
2140	0.04
2150	0.039
2160	0.04
2170	0.038
2180	0.038
2190	0.042
2200	0.038
2210	0.038
2220	0.038
2230	0.038
2240	0.037
2250	0.039
2260	0.038
2270	0.038
2280	0.039
2290	0.037
2300	0.037
2310	0.038
2320	0.037
2330	0.037
2340	0.037
2350	0.037
2360	0.037
2370	0.038
2380	0.037
2390	0.038
2400	0.038
2410	0.038
2420	0.037
2430	0.037
2440	0.039
2450	0.037
2460	0.037

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

2470	0.038
2480	0.037
2490	0.038
2500	0.038
2510	0.038
2520	0.038
2530	0.037
2540	0.037
2550	0.037
2560	0.037
2570	0.037
2580	0.037
2590	0.037
2600	0.036
2610	0.037
2620	0.039
2630	0.037
2640	0.036
2650	0.035
2660	0.036
2670	0.036
2680	0.035
2690	0.036
2700	0.036
2710	0.037
2720	0.036
2730	0.036
2740	0.036
2750	0.036
2760	0.036
2770	0.036
2780	0.036
2790	0.036
2800	0.036
2810	0.035
2820	0.035
2830	0.035
2840	0.035
2850	0.036
2860	0.034
2870	0.035
2880	0.036
2890	0.035
2900	0.037
2910	0.037
2920	0.034
2930	0.036

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

2940	0.035
2950	0.035
2960	0.034
2970	0.034
2980	0.034
2990	0.033
3000	0.035
3010	0.035
3020	0.036
3030	0.034
3040	0.035
3050	0.035
3060	0.035
3070	0.034
3080	0.036
3090	0.036
3100	0.034
3110	0.034
3120	0.034
3130	0.035
3140	0.034
3150	0.035
3160	0.034
3170	0.034
3180	0.034
3190	0.034
3200	0.034
3210	0.033
3220	0.033
3230	0.069
3240	0.034
3250	0.035
3260	0.033
3270	0.034
3280	0.034
3290	0.034
3300	0.034
3310	0.033
3320	0.035
3330	0.032
3340	0.035
3350	0.032
3360	0.033
3370	0.035
3380	0.033
3390	0.033
3400	0.034

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

3410	0.033
3420	0.033
3430	0.034
3440	0.034
3450	0.034
3460	0.033
3470	0.033
3480	0.035
3490	0.033
3500	0.032
3510	0.033
3520	0.033
3530	0.033
3540	0.032
3550	0.032
3560	0.032
3570	0.033
3580	0.033
3590	0.033
3600	0.033
3610	0.033
3620	0.033
3630	0.032
3640	0.032
3650	0.035
3660	0.039
3670	0.033
3680	0.032
3690	0.032
3700	0.033
3710	0.032
3720	0.034
3730	0.033
3740	0.032
3750	0.032
3760	0.032
3770	0.032
3780	0.032
3790	0.033
3800	0.032
3810	0.032
3820	0.032
3830	0.032
3840	0.031
3850	0.032
3860	0.031
3870	0.032

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

3880	0.032
3890	0.032
3900	0.032
3910	0.031
3920	0.033
3930	0.031
3940	0.033
3950	0.033
3960	0.032
3970	0.031
3980	0.031
3990	0.032
4000	0.032
4010	0.032
4020	0.031
4030	0.031
4040	0.031
4050	0.031
4060	0.032
4070	0.033
4080	0.038
4090	0.033
4100	0.032
4110	0.031
4120	0.031
4130	0.031
4140	0.03
4150	0.031
4160	0.03
4170	0.03
4180	0.031
4190	0.031
4200	0.03
4210	0.03
4220	0.031
4230	0.03
4240	0.031
4250	0.03
4260	0.03
4270	0.03
4280	0.031
4290	0.03
4300	0.03
4310	0.031
4320	0.03
4330	0.029
4340	0.033

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

4350	0.031
4360	0.03
4370	0.029
4380	0.029
4390	0.03
4400	0.029
4410	0.029
4420	0.029
4430	0.029
4440	0.029
4450	0.028
4460	0.028
4470	0.029
4480	0.028
4490	0.028
4500	0.029
4510	0.029
4520	0.029
4530	0.028
4540	0.029
4550	0.029
4560	0.028
4570	0.029
4580	0.028
4590	0.029
4600	0.03
4610	0.029
4620	0.029
4630	0.03
4640	0.029
4650	0.03
4660	0.03
4670	0.03
4680	0.029
4690	0.03
4700	0.03
4710	0.03
4720	0.029
4730	0.029
4740	0.029
4750	0.03
4760	0.029
4770	0.029
4780	0.029
4790	0.029
4800	0.029
4810	0.028

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

4820	0.028
4830	0.028
4840	0.028
4850	0.028
4860	0.028
4870	0.027
4880	0.027
4890	0.028
4900	0.027
4910	0.027
4920	0.028
4930	0.027
4940	0.027
4950	0.028
4960	0.028
4970	0.027
4980	0.027
4990	0.027
5000	0.027
5010	0.026
5020	0.028
5030	0.027
5040	0.026
5050	0.027
5060	0.027
5070	0.027
5080	0.026
5090	0.025
5100	0.026
5110	0.025
5120	0.025
5130	0.026
5140	0.026
5150	0.027
5160	0.025
5170	0.025
5180	0.026
5190	0.027
5200	0.025
5210	0.026
5220	0.025
5230	0.025
5240	0.024
5250	0.025
5260	0.025
5270	0.025
5280	0.026

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

5290	0.026
5300	0.025
5310	0.025
5320	0.026
5330	0.026
5340	0.025
5350	0.026
5360	0.025
5370	0.026
5380	0.026
5390	0.024
5400	0.026
5410	0.025
5420	0.026
5430	0.025
5440	0.026
5450	0.028
5460	0.026
5470	0.025
5480	0.025
5490	0.025
5500	0.025
5510	0.025
5520	0.025
5530	0.025
5540	0.026
5550	0.025
5560	0.025
5570	0.025
5580	0.025
5590	0.025
5600	0.026
5610	0.025
5620	0.024
5630	0.025
5640	0.025
5650	0.025
5660	0.025
5670	0.025
5680	0.025
5690	0.026
5700	0.025
5710	0.026
5720	0.025
5730	0.026
5740	0.025
5750	0.025

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

5760	0.025
5770	0.024
5780	0.025
5790	0.024
5800	0.025
5810	0.025
5820	0.025
5830	0.024
5840	0.024
5850	0.024
5860	0.024
5870	0.024
5880	0.025
5890	0.024
5900	0.025
5910	0.024
5920	0.025
5930	0.024
5940	0.024
5950	0.025
5960	0.025
5970	0.024
5980	0.023
5990	0.024
6000	0.024
6010	0.024
6020	0.024
6030	0.024
6040	0.023
6050	0.024
6060	0.024
6070	0.025
6080	0.026
6090	0.025
6100	0.026
6110	0.023
6120	0.023
6130	0.024
6140	0.024
6150	0.023
6160	0.024
6170	0.024
6180	0.024
6190	0.023
6200	0.024
6210	0.023
6220	0.023

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

6230	0.023
6240	0.023
6250	0.023
6260	0.023
6270	0.023
6280	0.025
6290	0.024
6300	0.023
6310	0.023
6320	0.023
6330	0.022
6340	0.022
6350	0.023
6360	0.023
6370	0.023
6380	0.023
6390	0.023
6400	0.024
6410	0.022
6420	0.023
6430	0.023
6440	0.024
6450	0.023
6460	0.024
6470	0.023
6480	0.023
6490	0.024
6500	0.024
6510	0.023
6520	0.024
6530	0.023
6540	0.023
6550	0.023
6560	0.024

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530101704
Firmware Version	3.5
Calibration Date	4/18/2017
Test Name	MANUAL_021
Test Start Time	1:56:55 PM
Test Start Date	6/12/2017
Test Length [D:H:M]	0:00:00
Test Interval [M:S]	0:10
Mass Average [mg/m3]	0.015

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

Mass Minimum [mg/m3]	0.011
Mass Maximum [mg/m3]	0.017
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	5

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
10	0.011		
20	0.014		
30	0.016		
40	0.017		
50	0.016		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530101704
Firmware Version	3.5
Calibration Date	4/18/2017
Test Name	MANUAL_022
Test Start Time	1:59:08 PM
Test Start Date	6/12/2017
Test Length [D:H:M]	0:02:00
Test Interval [M:S]	0:10
Mass Average [mg/m3]	0.032
Mass Minimum [mg/m3]	0.016
Mass Maximum [mg/m3]	0.051
Mass TWA [mg/m3]	0.008
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	720

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
10	0.017		
20	0.018		
30	0.017		
40	0.018		
50	0.016		
60	0.017		
70	0.017		
80	0.018		
90	0.02		
100	0.022		
110	0.026		

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

120	0.02
130	0.019
140	0.019
150	0.019
160	0.018
170	0.02
180	0.024
190	0.019
200	0.018
210	0.018
220	0.021
230	0.021
240	0.02
250	0.018
260	0.018
270	0.026
280	0.018
290	0.022
300	0.023
310	0.018
320	0.019
330	0.019
340	0.019
350	0.018
360	0.018
370	0.019
380	0.018
390	0.019
400	0.019
410	0.019
420	0.018
430	0.018
440	0.018
450	0.018
460	0.018
470	0.017
480	0.017
490	0.018
500	0.018
510	0.017
520	0.017
530	0.017
540	0.017
550	0.017
560	0.017
570	0.018
580	0.018

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

590	0.018
600	0.017
610	0.017
620	0.017
630	0.018
640	0.017
650	0.017
660	0.018
670	0.018
680	0.017
690	0.017
700	0.018
710	0.018
720	0.019
730	0.019
740	0.019
750	0.02
760	0.02
770	0.019
780	0.02
790	0.02
800	0.02
810	0.02
820	0.021
830	0.02
840	0.022
850	0.024
860	0.022
870	0.023
880	0.023
890	0.022
900	0.022
910	0.022
920	0.022
930	0.023
940	0.028
950	0.024
960	0.022
970	0.022
980	0.025
990	0.021
1000	0.021
1010	0.021
1020	0.021
1030	0.021
1040	0.02
1050	0.02

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

1060	0.02
1070	0.02
1080	0.02
1090	0.019
1100	0.02
1110	0.02
1120	0.021
1130	0.022
1140	0.021
1150	0.021
1160	0.022
1170	0.021
1180	0.022
1190	0.022
1200	0.021
1210	0.022
1220	0.022
1230	0.022
1240	0.023
1250	0.023
1260	0.023
1270	0.024
1280	0.023
1290	0.023
1300	0.023
1310	0.024
1320	0.024
1330	0.024
1340	0.025
1350	0.024
1360	0.024
1370	0.024
1380	0.025
1390	0.027
1400	0.026
1410	0.026
1420	0.025
1430	0.026
1440	0.027
1450	0.028
1460	0.029
1470	0.029
1480	0.029
1490	0.029
1500	0.03
1510	0.03
1520	0.029

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

1530	0.029
1540	0.03
1550	0.03
1560	0.029
1570	0.029
1580	0.03
1590	0.031
1600	0.03
1610	0.031
1620	0.032
1630	0.031
1640	0.032
1650	0.032
1660	0.032
1670	0.032
1680	0.032
1690	0.032
1700	0.032
1710	0.032
1720	0.031
1730	0.034
1740	0.033
1750	0.033
1760	0.033
1770	0.033
1780	0.033
1790	0.034
1800	0.033
1810	0.033
1820	0.033
1830	0.033
1840	0.033
1850	0.034
1860	0.034
1870	0.034
1880	0.033
1890	0.034
1900	0.034
1910	0.034
1920	0.034
1930	0.034
1940	0.035
1950	0.034
1960	0.034
1970	0.035
1980	0.035
1990	0.035

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

2000	0.035
2010	0.034
2020	0.035
2030	0.036
2040	0.035
2050	0.036
2060	0.035
2070	0.036
2080	0.036
2090	0.036
2100	0.036
2110	0.036
2120	0.036
2130	0.036
2140	0.037
2150	0.037
2160	0.037
2170	0.038
2180	0.038
2190	0.037
2200	0.036
2210	0.038
2220	0.044
2230	0.036
2240	0.037
2250	0.037
2260	0.037
2270	0.038
2280	0.037
2290	0.037
2300	0.036
2310	0.037
2320	0.037
2330	0.036
2340	0.037
2350	0.038
2360	0.037
2370	0.037
2380	0.038
2390	0.037
2400	0.038
2410	0.037
2420	0.037
2430	0.036
2440	0.036
2450	0.036
2460	0.036

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

2470	0.036
2480	0.038
2490	0.037
2500	0.038
2510	0.038
2520	0.038
2530	0.038
2540	0.038
2550	0.039
2560	0.039
2570	0.038
2580	0.038
2590	0.038
2600	0.039
2610	0.04
2620	0.039
2630	0.038
2640	0.038
2650	0.038
2660	0.039
2670	0.038
2680	0.039
2690	0.039
2700	0.039
2710	0.041
2720	0.04
2730	0.039
2740	0.041
2750	0.04
2760	0.04
2770	0.04
2780	0.039
2790	0.041
2800	0.04
2810	0.041
2820	0.042
2830	0.04
2840	0.04
2850	0.04
2860	0.04
2870	0.04
2880	0.039
2890	0.04
2900	0.039
2910	0.04
2920	0.039
2930	0.041

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

2940	0.039
2950	0.04
2960	0.04
2970	0.039
2980	0.039
2990	0.04
3000	0.041
3010	0.039
3020	0.039
3030	0.041
3040	0.039
3050	0.039
3060	0.04
3070	0.039
3080	0.039
3090	0.04
3100	0.039
3110	0.041
3120	0.039
3130	0.04
3140	0.039
3150	0.039
3160	0.038
3170	0.039
3180	0.039
3190	0.039
3200	0.039
3210	0.04
3220	0.04
3230	0.043
3240	0.041
3250	0.039
3260	0.04
3270	0.039
3280	0.037
3290	0.038
3300	0.038
3310	0.042
3320	0.042
3330	0.041
3340	0.039
3350	0.037
3360	0.036
3370	0.036
3380	0.036
3390	0.037
3400	0.036

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

3410	0.036
3420	0.036
3430	0.036
3440	0.036
3450	0.036
3460	0.037
3470	0.04
3480	0.038
3490	0.039
3500	0.038
3510	0.039
3520	0.038
3530	0.038
3540	0.051
3550	0.045
3560	0.04
3570	0.037
3580	0.037
3590	0.039
3600	0.037
3610	0.038
3620	0.043
3630	0.044
3640	0.046
3650	0.041
3660	0.039
3670	0.037
3680	0.037
3690	0.036
3700	0.035
3710	0.036
3720	0.035
3730	0.035
3740	0.036
3750	0.035
3760	0.036
3770	0.036
3780	0.035
3790	0.034
3800	0.035
3810	0.035
3820	0.035
3830	0.035
3840	0.036
3850	0.035
3860	0.034
3870	0.036

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

3880	0.034
3890	0.035
3900	0.035
3910	0.035
3920	0.041
3930	0.034
3940	0.035
3950	0.035
3960	0.034
3970	0.035
3980	0.034
3990	0.037
4000	0.038
4010	0.034
4020	0.034
4030	0.034
4040	0.034
4050	0.034
4060	0.034
4070	0.034
4080	0.034
4090	0.034
4100	0.034
4110	0.033
4120	0.034
4130	0.034
4140	0.034
4150	0.034
4160	0.034
4170	0.034
4180	0.034
4190	0.035
4200	0.033
4210	0.033
4220	0.038
4230	0.034
4240	0.035
4250	0.035
4260	0.034
4270	0.034
4280	0.034
4290	0.034
4300	0.033
4310	0.035
4320	0.035
4330	0.034
4340	0.034

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

4350	0.033
4360	0.033
4370	0.035
4380	0.034
4390	0.036
4400	0.033
4410	0.035
4420	0.033
4430	0.033
4440	0.034
4450	0.033
4460	0.033
4470	0.036
4480	0.034
4490	0.034
4500	0.034
4510	0.034
4520	0.034
4530	0.034
4540	0.035
4550	0.035
4560	0.034
4570	0.034
4580	0.034
4590	0.034
4600	0.034
4610	0.033
4620	0.034
4630	0.033
4640	0.033
4650	0.033
4660	0.033
4670	0.033
4680	0.033
4690	0.032
4700	0.037
4710	0.033
4720	0.035
4730	0.035
4740	0.031
4750	0.038
4760	0.034
4770	0.033
4780	0.032
4790	0.031
4800	0.032
4810	0.033

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

4820	0.035
4830	0.034
4840	0.033
4850	0.031
4860	0.032
4870	0.032
4880	0.031
4890	0.031
4900	0.033
4910	0.031
4920	0.031
4930	0.03
4940	0.031
4950	0.031
4960	0.031
4970	0.031
4980	0.03
4990	0.033
5000	0.032
5010	0.032
5020	0.03
5030	0.03
5040	0.031
5050	0.034
5060	0.032
5070	0.031
5080	0.031
5090	0.031
5100	0.031
5110	0.031
5120	0.031
5130	0.03
5140	0.031
5150	0.031
5160	0.03
5170	0.031
5180	0.03
5190	0.031
5200	0.03
5210	0.03
5220	0.03
5230	0.03
5240	0.03
5250	0.03
5260	0.03
5270	0.031
5280	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

5290	0.03
5300	0.03
5310	0.029
5320	0.03
5330	0.03
5340	0.031
5350	0.03
5360	0.03
5370	0.03
5380	0.03
5390	0.03
5400	0.03
5410	0.03
5420	0.031
5430	0.031
5440	0.031
5450	0.03
5460	0.03
5470	0.031
5480	0.03
5490	0.03
5500	0.047
5510	0.03
5520	0.031
5530	0.032
5540	0.032
5550	0.03
5560	0.031
5570	0.03
5580	0.03
5590	0.029
5600	0.03
5610	0.03
5620	0.03
5630	0.029
5640	0.033
5650	0.029
5660	0.03
5670	0.03
5680	0.029
5690	0.029
5700	0.029
5710	0.029
5720	0.03
5730	0.029
5740	0.03
5750	0.029

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

5760	0.03
5770	0.03
5780	0.03
5790	0.031
5800	0.03
5810	0.03
5820	0.03
5830	0.03
5840	0.03
5850	0.031
5860	0.03
5870	0.031
5880	0.032
5890	0.031
5900	0.031
5910	0.03
5920	0.032
5930	0.031
5940	0.031
5950	0.031
5960	0.033
5970	0.03
5980	0.031
5990	0.031
6000	0.03
6010	0.03
6020	0.03
6030	0.032
6040	0.031
6050	0.031
6060	0.032
6070	0.031
6080	0.031
6090	0.03
6100	0.031
6110	0.031
6120	0.031
6130	0.031
6140	0.03
6150	0.031
6160	0.031
6170	0.031
6180	0.032
6190	0.034
6200	0.033
6210	0.032
6220	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

6230	0.032
6240	0.032
6250	0.031
6260	0.033
6270	0.031
6280	0.031
6290	0.032
6300	0.032
6310	0.031
6320	0.034
6330	0.034
6340	0.032
6350	0.033
6360	0.033
6370	0.033
6380	0.033
6390	0.032
6400	0.032
6410	0.033
6420	0.032
6430	0.032
6440	0.033
6450	0.033
6460	0.032
6470	0.033
6480	0.033
6490	0.033
6500	0.033
6510	0.036
6520	0.036
6530	0.039
6540	0.037
6550	0.036
6560	0.035
6570	0.035
6580	0.035
6590	0.035
6600	0.037
6610	0.041
6620	0.044
6630	0.04
6640	0.04
6650	0.041
6660	0.039
6670	0.041
6680	0.038
6690	0.037

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

6700	0.037
6710	0.037
6720	0.042
6730	0.042
6740	0.04
6750	0.041
6760	0.042
6770	0.043
6780	0.043
6790	0.042
6800	0.041
6810	0.042
6820	0.043
6830	0.043
6840	0.042
6850	0.042
6860	0.044
6870	0.044
6880	0.044
6890	0.043
6900	0.043
6910	0.047
6920	0.044
6930	0.044
6940	0.044
6950	0.043
6960	0.043
6970	0.043
6980	0.042
6990	0.042
7000	0.043
7010	0.043
7020	0.043
7030	0.041
7040	0.041
7050	0.044
7060	0.044
7070	0.045
7080	0.044
7090	0.043
7100	0.046
7110	0.048
7120	0.047
7130	0.047
7140	0.047
7150	0.05
7160	0.047

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

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7170	0.048
7180	0.048
7190	0.048
7200	0.048

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530101704
Firmware Version	3.5
Calibration Date	4/18/2017
Test Name	MANUAL_023
Test Start Time	7:33:00 AM
Test Start Date	6/13/2017
Test Length [D:H:M]	0:00:00
Test Interval [M:S]	0:10
Mass Average [mg/m3]	0.02
Mass Minimum [mg/m3]	0.008
Mass Maximum [mg/m3]	0.032
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	2

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
10	0.032		
20	0.008		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530101704
Firmware Version	3.5
Calibration Date	4/18/2017
Test Name	MANUAL_024
Test Start Time	8:06:34 AM
Test Start Date	6/13/2017
Test Length [D:H:M]	0:00:00
Test Interval [M:S]	0:10
Mass Average [mg/m3]	0.06
Mass Minimum [mg/m3]	0.05
Mass Maximum [mg/m3]	0.065
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	0
Errors	

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

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Number of Samples	4

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
10	0.05		
20	0.059		
30	0.064		
40	0.065		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530101704
Firmware Version	3.5
Calibration Date	4/18/2017
Test Name	MANUAL_025
Test Start Time	8:09:25 AM
Test Start Date	6/13/2017
Test Length [D:H:M]	0:01:59
Test Interval [M:S]	0:10
Mass Average [mg/m3]	0.062
Mass Minimum [mg/m3]	0.056
Mass Maximum [mg/m3]	0.099
Mass TWA [mg/m3]	0.016
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	717

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
10	0.066		
20	0.065		
30	0.066		
40	0.067		
50	0.066		
60	0.065		
70	0.065		
80	0.065		
90	0.065		
100	0.065		
110	0.065		
120	0.065		
130	0.065		
140	0.064		
150	0.066		
160	0.065		
170	0.064		
180	0.064		

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

190	0.064
200	0.063
210	0.065
220	0.065
230	0.065
240	0.064
250	0.064
260	0.064
270	0.064
280	0.065
290	0.065
300	0.064
310	0.064
320	0.064
330	0.064
340	0.064
350	0.064
360	0.063
370	0.064
380	0.063
390	0.063
400	0.064
410	0.064
420	0.064
430	0.065
440	0.065
450	0.065
460	0.064
470	0.064
480	0.063
490	0.064
500	0.065
510	0.065
520	0.064
530	0.064
540	0.064
550	0.064
560	0.064
570	0.063
580	0.064
590	0.063
600	0.064
610	0.064
620	0.064
630	0.064
640	0.064
650	0.064

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

660	0.064
670	0.064
680	0.067
690	0.065
700	0.064
710	0.065
720	0.063
730	0.064
740	0.064
750	0.064
760	0.064
770	0.064
780	0.064
790	0.064
800	0.064
810	0.064
820	0.065
830	0.065
840	0.064
850	0.065
860	0.064
870	0.064
880	0.064
890	0.064
900	0.064
910	0.064
920	0.064
930	0.064
940	0.065
950	0.065
960	0.064
970	0.064
980	0.065
990	0.065
1000	0.064
1010	0.065
1020	0.066
1030	0.065
1040	0.064
1050	0.065
1060	0.065
1070	0.065
1080	0.065
1090	0.064
1100	0.064
1110	0.064
1120	0.064

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

1130	0.065
1140	0.065
1150	0.067
1160	0.066
1170	0.068
1180	0.065
1190	0.065
1200	0.065
1210	0.064
1220	0.064
1230	0.065
1240	0.064
1250	0.065
1260	0.064
1270	0.065
1280	0.064
1290	0.064
1300	0.063
1310	0.064
1320	0.065
1330	0.064
1340	0.064
1350	0.063
1360	0.064
1370	0.065
1380	0.064
1390	0.065
1400	0.064
1410	0.064
1420	0.063
1430	0.064
1440	0.064
1450	0.064
1460	0.064
1470	0.063
1480	0.063
1490	0.064
1500	0.063
1510	0.065
1520	0.065
1530	0.065
1540	0.065
1550	0.064
1560	0.064
1570	0.064
1580	0.064
1590	0.064

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

1600	0.064
1610	0.064
1620	0.066
1630	0.064
1640	0.064
1650	0.064
1660	0.064
1670	0.064
1680	0.064
1690	0.065
1700	0.064
1710	0.065
1720	0.064
1730	0.065
1740	0.063
1750	0.065
1760	0.066
1770	0.063
1780	0.064
1790	0.062
1800	0.063
1810	0.064
1820	0.063
1830	0.064
1840	0.062
1850	0.064
1860	0.063
1870	0.064
1880	0.064
1890	0.064
1900	0.063
1910	0.064
1920	0.064
1930	0.063
1940	0.064
1950	0.063
1960	0.064
1970	0.063
1980	0.064
1990	0.063
2000	0.062
2010	0.064
2020	0.063
2030	0.064
2040	0.063
2050	0.064
2060	0.064

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

2070	0.064
2080	0.064
2090	0.063
2100	0.063
2110	0.063
2120	0.063
2130	0.064
2140	0.064
2150	0.063
2160	0.063
2170	0.063
2180	0.064
2190	0.064
2200	0.063
2210	0.063
2220	0.062
2230	0.064
2240	0.063
2250	0.063
2260	0.064
2270	0.063
2280	0.063
2290	0.063
2300	0.063
2310	0.064
2320	0.063
2330	0.063
2340	0.063
2350	0.064
2360	0.064
2370	0.064
2380	0.063
2390	0.063
2400	0.064
2410	0.063
2420	0.063
2430	0.063
2440	0.064
2450	0.064
2460	0.063
2470	0.063
2480	0.064
2490	0.063
2500	0.064
2510	0.065
2520	0.066
2530	0.066

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

2540	0.066
2550	0.065
2560	0.067
2570	0.066
2580	0.064
2590	0.064
2600	0.065
2610	0.065
2620	0.065
2630	0.064
2640	0.066
2650	0.064
2660	0.064
2670	0.065
2680	0.064
2690	0.063
2700	0.064
2710	0.064
2720	0.064
2730	0.063
2740	0.063
2750	0.063
2760	0.063
2770	0.063
2780	0.064
2790	0.063
2800	0.063
2810	0.064
2820	0.063
2830	0.062
2840	0.064
2850	0.063
2860	0.063
2870	0.063
2880	0.063
2890	0.064
2900	0.062
2910	0.062
2920	0.063
2930	0.062
2940	0.063
2950	0.063
2960	0.062
2970	0.063
2980	0.063
2990	0.062
3000	0.062

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

3010	0.063
3020	0.062
3030	0.062
3040	0.063
3050	0.063
3060	0.064
3070	0.063
3080	0.062
3090	0.063
3100	0.064
3110	0.063
3120	0.064
3130	0.063
3140	0.063
3150	0.063
3160	0.062
3170	0.062
3180	0.063
3190	0.062
3200	0.062
3210	0.062
3220	0.063
3230	0.062
3240	0.063
3250	0.064
3260	0.063
3270	0.063
3280	0.064
3290	0.063
3300	0.062
3310	0.063
3320	0.065
3330	0.063
3340	0.063
3350	0.064
3360	0.064
3370	0.063
3380	0.063
3390	0.062
3400	0.063
3410	0.063
3420	0.063
3430	0.061
3440	0.061
3450	0.064
3460	0.063
3470	0.063

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

3480	0.063
3490	0.063
3500	0.062
3510	0.063
3520	0.064
3530	0.063
3540	0.063
3550	0.063
3560	0.065
3570	0.063
3580	0.063
3590	0.065
3600	0.065
3610	0.065
3620	0.064
3630	0.064
3640	0.065
3650	0.063
3660	0.062
3670	0.064
3680	0.065
3690	0.063
3700	0.082
3710	0.065
3720	0.063
3730	0.062
3740	0.062
3750	0.063
3760	0.062
3770	0.063
3780	0.062
3790	0.063
3800	0.063
3810	0.062
3820	0.065
3830	0.063
3840	0.063
3850	0.064
3860	0.063
3870	0.064
3880	0.063
3890	0.064
3900	0.065
3910	0.064
3920	0.063
3930	0.062
3940	0.063

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

3950	0.062
3960	0.063
3970	0.062
3980	0.062
3990	0.063
4000	0.064
4010	0.099
4020	0.064
4030	0.063
4040	0.063
4050	0.063
4060	0.063
4070	0.062
4080	0.063
4090	0.062
4100	0.063
4110	0.063
4120	0.063
4130	0.063
4140	0.063
4150	0.063
4160	0.063
4170	0.064
4180	0.063
4190	0.063
4200	0.063
4210	0.064
4220	0.062
4230	0.061
4240	0.063
4250	0.061
4260	0.061
4270	0.062
4280	0.061
4290	0.061
4300	0.062
4310	0.061
4320	0.061
4330	0.062
4340	0.061
4350	0.061
4360	0.061
4370	0.062
4380	0.061
4390	0.061
4400	0.062
4410	0.061

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

4420	0.061
4430	0.062
4440	0.062
4450	0.062
4460	0.062
4470	0.063
4480	0.062
4490	0.062
4500	0.062
4510	0.062
4520	0.065
4530	0.062
4540	0.062
4550	0.061
4560	0.062
4570	0.061
4580	0.062
4590	0.061
4600	0.063
4610	0.061
4620	0.062
4630	0.062
4640	0.062
4650	0.069
4660	0.061
4670	0.062
4680	0.061
4690	0.061
4700	0.061
4710	0.062
4720	0.063
4730	0.08
4740	0.074
4750	0.078
4760	0.075
4770	0.068
4780	0.064
4790	0.063
4800	0.063
4810	0.062
4820	0.062
4830	0.062
4840	0.063
4850	0.061
4860	0.061
4870	0.061
4880	0.061

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

4890	0.062
4900	0.064
4910	0.065
4920	0.064
4930	0.063
4940	0.063
4950	0.062
4960	0.062
4970	0.062
4980	0.061
4990	0.062
5000	0.06
5010	0.062
5020	0.062
5030	0.061
5040	0.06
5050	0.06
5060	0.06
5070	0.061
5080	0.06
5090	0.06
5100	0.061
5110	0.061
5120	0.061
5130	0.06
5140	0.06
5150	0.061
5160	0.061
5170	0.061
5180	0.061
5190	0.06
5200	0.061
5210	0.06
5220	0.06
5230	0.059
5240	0.06
5250	0.06
5260	0.06
5270	0.06
5280	0.06
5290	0.059
5300	0.059
5310	0.059
5320	0.059
5330	0.059
5340	0.06
5350	0.059

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

5360	0.061
5370	0.059
5380	0.059
5390	0.06
5400	0.059
5410	0.06
5420	0.06
5430	0.06
5440	0.059
5450	0.059
5460	0.063
5470	0.059
5480	0.058
5490	0.059
5500	0.059
5510	0.059
5520	0.059
5530	0.059
5540	0.059
5550	0.058
5560	0.063
5570	0.06
5580	0.06
5590	0.059
5600	0.06
5610	0.059
5620	0.058
5630	0.059
5640	0.058
5650	0.058
5660	0.059
5670	0.058
5680	0.058
5690	0.059
5700	0.059
5710	0.058
5720	0.059
5730	0.059
5740	0.058
5750	0.058
5760	0.058
5770	0.059
5780	0.059
5790	0.058
5800	0.058
5810	0.06
5820	0.063

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

5830	0.057
5840	0.058
5850	0.059
5860	0.058
5870	0.062
5880	0.058
5890	0.058
5900	0.058
5910	0.058
5920	0.058
5930	0.059
5940	0.059
5950	0.061
5960	0.059
5970	0.059
5980	0.059
5990	0.06
6000	0.058
6010	0.058
6020	0.058
6030	0.058
6040	0.058
6050	0.058
6060	0.058
6070	0.06
6080	0.059
6090	0.06
6100	0.058
6110	0.058
6120	0.058
6130	0.059
6140	0.058
6150	0.059
6160	0.058
6170	0.06
6180	0.058
6190	0.059
6200	0.059
6210	0.059
6220	0.058
6230	0.059
6240	0.059
6250	0.059
6260	0.059
6270	0.059
6280	0.06
6290	0.06

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

6300	0.058
6310	0.06
6320	0.059
6330	0.058
6340	0.059
6350	0.058
6360	0.06
6370	0.064
6380	0.066
6390	0.066
6400	0.061
6410	0.06
6420	0.06
6430	0.06
6440	0.06
6450	0.061
6460	0.06
6470	0.059
6480	0.058
6490	0.058
6500	0.059
6510	0.058
6520	0.057
6530	0.057
6540	0.058
6550	0.058
6560	0.058
6570	0.058
6580	0.058
6590	0.058
6600	0.058
6610	0.058
6620	0.058
6630	0.057
6640	0.058
6650	0.058
6660	0.059
6670	0.058
6680	0.058
6690	0.058
6700	0.058
6710	0.058
6720	0.059
6730	0.058
6740	0.058
6750	0.057
6760	0.059

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

6770	0.059
6780	0.059
6790	0.06
6800	0.059
6810	0.058
6820	0.058
6830	0.058
6840	0.058
6850	0.059
6860	0.058
6870	0.058
6880	0.059
6890	0.058
6900	0.058
6910	0.058
6920	0.058
6930	0.058
6940	0.059
6950	0.057
6960	0.058
6970	0.057
6980	0.057
6990	0.057
7000	0.058
7010	0.058
7020	0.057
7030	0.057
7040	0.057
7050	0.056
7060	0.056
7070	0.058
7080	0.057
7090	0.057
7100	0.058
7110	0.059
7120	0.058
7130	0.081
7140	0.058
7150	0.058
7160	0.058
7170	0.058

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530101704
Firmware Version	3.5

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

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Calibration Date	4/18/2017
Test Name	MANUAL_026
Test Start Time	12:30:00 PM
Test Start Date	6/13/2017
Test Length [D:H:M]	0:00:02
Test Interval [M:S]	0:10
Mass Average [mg/m3]	0.054
Mass Minimum [mg/m3]	0.048
Mass Maximum [mg/m3]	0.06
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	15

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
10	0.053		
20	0.048		
30	0.052		
40	0.06		
50	0.055		
60	0.054		
70	0.054		
80	0.052		
90	0.054		
100	0.054		
110	0.055		
120	0.056		
130	0.055		
140	0.054		
150	0.053		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530101704
Firmware Version	3.5
Calibration Date	4/18/2017
Test Name	MANUAL_027
Test Start Time	12:33:59 PM
Test Start Date	6/13/2017
Test Length [D:H:M]	0:00:01
Test Interval [M:S]	0:10
Mass Average [mg/m3]	0.054
Mass Minimum [mg/m3]	0.053
Mass Maximum [mg/m3]	0.057
Mass TWA [mg/m3]	0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

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Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	11

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
10	0.055		
20	0.054		
30	0.054		
40	0.053		
50	0.054		
60	0.055		
70	0.057		
80	0.056		
90	0.054		
100	0.054		
110	0.053		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530101704
Firmware Version	3.5
Calibration Date	4/18/2017
Test Name	MANUAL_028
Test Start Time	12:37:35 PM
Test Start Date	6/13/2017
Test Length [D:H:M]	0:02:58
Test Interval [M:S]	0:10
Mass Average [mg/m3]	0.06
Mass Minimum [mg/m3]	0.049
Mass Maximum [mg/m3]	0.172
Mass TWA [mg/m3]	0.022
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	1069

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
10	0.054		
20	0.054		
30	0.052		
40	0.065		
50	0.052		
60	0.054		
70	0.054		
80	0.053		

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

90	0.054
100	0.053
110	0.054
120	0.054
130	0.054
140	0.054
150	0.057
160	0.057
170	0.058
180	0.057
190	0.058
200	0.056
210	0.056
220	0.056
230	0.059
240	0.056
250	0.057
260	0.056
270	0.056
280	0.057
290	0.057
300	0.056
310	0.057
320	0.057
330	0.057
340	0.058
350	0.057
360	0.059
370	0.058
380	0.057
390	0.057
400	0.058
410	0.057
420	0.057
430	0.057
440	0.057
450	0.057
460	0.056
470	0.057
480	0.056
490	0.057
500	0.058
510	0.056
520	0.057
530	0.055
540	0.056
550	0.055

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

560	0.056
570	0.056
580	0.056
590	0.056
600	0.055
610	0.057
620	0.057
630	0.057
640	0.057
650	0.057
660	0.056
670	0.057
680	0.055
690	0.057
700	0.058
710	0.057
720	0.056
730	0.057
740	0.056
750	0.056
760	0.058
770	0.06
780	0.059
790	0.058
800	0.058
810	0.058
820	0.058
830	0.058
840	0.056
850	0.058
860	0.057
870	0.057
880	0.057
890	0.057
900	0.058
910	0.058
920	0.059
930	0.058
940	0.057
950	0.056
960	0.056
970	0.057
980	0.056
990	0.059
1000	0.059
1010	0.059
1020	0.058

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

1030	0.056
1040	0.057
1050	0.06
1060	0.06
1070	0.057
1080	0.056
1090	0.06
1100	0.06
1110	0.059
1120	0.058
1130	0.059
1140	0.058
1150	0.057
1160	0.062
1170	0.06
1180	0.061
1190	0.061
1200	0.061
1210	0.061
1220	0.06
1230	0.061
1240	0.059
1250	0.061
1260	0.06
1270	0.058
1280	0.058
1290	0.061
1300	0.061
1310	0.06
1320	0.059
1330	0.06
1340	0.06
1350	0.061
1360	0.061
1370	0.06
1380	0.06
1390	0.061
1400	0.061
1410	0.061
1420	0.066
1430	0.064
1440	0.061
1450	0.064
1460	0.063
1470	0.061
1480	0.06
1490	0.06

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

1500	0.06
1510	0.059
1520	0.059
1530	0.065
1540	0.059
1550	0.06
1560	0.061
1570	0.061
1580	0.09
1590	0.059
1600	0.059
1610	0.059
1620	0.059
1630	0.061
1640	0.061
1650	0.06
1660	0.06
1670	0.061
1680	0.061
1690	0.06
1700	0.06
1710	0.061
1720	0.058
1730	0.059
1740	0.063
1750	0.061
1760	0.059
1770	0.059
1780	0.059
1790	0.062
1800	0.061
1810	0.059
1820	0.065
1830	0.063
1840	0.062
1850	0.064
1860	0.063
1870	0.061
1880	0.061
1890	0.061
1900	0.061
1910	0.061
1920	0.06
1930	0.063
1940	0.061
1950	0.06
1960	0.062

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

1970	0.074
1980	0.061
1990	0.061
2000	0.062
2010	0.062
2020	0.062
2030	0.062
2040	0.061
2050	0.069
2060	0.062
2070	0.072
2080	0.064
2090	0.062
2100	0.062
2110	0.061
2120	0.061
2130	0.068
2140	0.06
2150	0.06
2160	0.059
2170	0.059
2180	0.065
2190	0.057
2200	0.063
2210	0.058
2220	0.058
2230	0.06
2240	0.061
2250	0.059
2260	0.059
2270	0.06
2280	0.058
2290	0.058
2300	0.058
2310	0.059
2320	0.058
2330	0.057
2340	0.057
2350	0.058
2360	0.058
2370	0.057
2380	0.058
2390	0.058
2400	0.058
2410	0.059
2420	0.063
2430	0.059

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

2440	0.06
2450	0.06
2460	0.059
2470	0.059
2480	0.057
2490	0.059
2500	0.06
2510	0.06
2520	0.06
2530	0.059
2540	0.064
2550	0.062
2560	0.061
2570	0.062
2580	0.059
2590	0.06
2600	0.06
2610	0.061
2620	0.069
2630	0.066
2640	0.063
2650	0.063
2660	0.061
2670	0.061
2680	0.062
2690	0.063
2700	0.07
2710	0.064
2720	0.061
2730	0.062
2740	0.06
2750	0.06
2760	0.06
2770	0.059
2780	0.06
2790	0.061
2800	0.061
2810	0.062
2820	0.061
2830	0.059
2840	0.06
2850	0.061
2860	0.059
2870	0.059
2880	0.063
2890	0.062
2900	0.062

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

2910	0.063
2920	0.062
2930	0.061
2940	0.062
2950	0.172
2960	0.064
2970	0.062
2980	0.063
2990	0.064
3000	0.062
3010	0.062
3020	0.068
3030	0.061
3040	0.062
3050	0.063
3060	0.063
3070	0.064
3080	0.066
3090	0.064
3100	0.063
3110	0.062
3120	0.064
3130	0.066
3140	0.064
3150	0.063
3160	0.063
3170	0.063
3180	0.063
3190	0.064
3200	0.061
3210	0.061
3220	0.06
3230	0.062
3240	0.063
3250	0.062
3260	0.063
3270	0.063
3280	0.063
3290	0.064
3300	0.065
3310	0.069
3320	0.065
3330	0.063
3340	0.064
3350	0.064
3360	0.062
3370	0.066

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

3380	0.061
3390	0.063
3400	0.062
3410	0.063
3420	0.063
3430	0.062
3440	0.065
3450	0.066
3460	0.065
3470	0.065
3480	0.064
3490	0.063
3500	0.064
3510	0.062
3520	0.062
3530	0.061
3540	0.06
3550	0.06
3560	0.065
3570	0.064
3580	0.063
3590	0.061
3600	0.061
3610	0.063
3620	0.063
3630	0.064
3640	0.064
3650	0.063
3660	0.064
3670	0.064
3680	0.062
3690	0.064
3700	0.062
3710	0.064
3720	0.065
3730	0.064
3740	0.072
3750	0.063
3760	0.063
3770	0.064
3780	0.064
3790	0.063
3800	0.065
3810	0.063
3820	0.064
3830	0.066
3840	0.067

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

3850	0.063
3860	0.065
3870	0.063
3880	0.063
3890	0.061
3900	0.064
3910	0.062
3920	0.064
3930	0.064
3940	0.065
3950	0.064
3960	0.064
3970	0.069
3980	0.071
3990	0.063
4000	0.062
4010	0.065
4020	0.08
4030	0.065
4040	0.064
4050	0.064
4060	0.064
4070	0.063
4080	0.064
4090	0.062
4100	0.062
4110	0.064
4120	0.064
4130	0.062
4140	0.063
4150	0.066
4160	0.063
4170	0.064
4180	0.062
4190	0.064
4200	0.08
4210	0.087
4220	0.07
4230	0.067
4240	0.088
4250	0.064
4260	0.064
4270	0.064
4280	0.064
4290	0.063
4300	0.063
4310	0.062

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

4320	0.062
4330	0.063
4340	0.063
4350	0.061
4360	0.062
4370	0.062
4380	0.061
4390	0.062
4400	0.061
4410	0.061
4420	0.062
4430	0.061
4440	0.07
4450	0.092
4460	0.066
4470	0.063
4480	0.063
4490	0.062
4500	0.061
4510	0.062
4520	0.063
4530	0.062
4540	0.061
4550	0.06
4560	0.063
4570	0.061
4580	0.063
4590	0.062
4600	0.064
4610	0.062
4620	0.063
4630	0.062
4640	0.063
4650	0.062
4660	0.062
4670	0.061
4680	0.06
4690	0.064
4700	0.064
4710	0.061
4720	0.062
4730	0.062
4740	0.061
4750	0.061
4760	0.06
4770	0.061
4780	0.061

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

4790	0.06
4800	0.06
4810	0.06
4820	0.06
4830	0.06
4840	0.06
4850	0.061
4860	0.059
4870	0.058
4880	0.058
4890	0.057
4900	0.059
4910	0.059
4920	0.061
4930	0.06
4940	0.06
4950	0.058
4960	0.059
4970	0.059
4980	0.058
4990	0.059
5000	0.058
5010	0.058
5020	0.059
5030	0.058
5040	0.058
5050	0.058
5060	0.057
5070	0.06
5080	0.058
5090	0.059
5100	0.06
5110	0.074
5120	0.058
5130	0.059
5140	0.058
5150	0.058
5160	0.058
5170	0.059
5180	0.062
5190	0.06
5200	0.059
5210	0.058
5220	0.059
5230	0.059
5240	0.061
5250	0.059

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

5260	0.061
5270	0.059
5280	0.066
5290	0.06
5300	0.06
5310	0.063
5320	0.061
5330	0.061
5340	0.06
5350	0.064
5360	0.062
5370	0.062
5380	0.064
5390	0.065
5400	0.064
5410	0.061
5420	0.059
5430	0.059
5440	0.062
5450	0.06
5460	0.062
5470	0.062
5480	0.061
5490	0.062
5500	0.062
5510	0.063
5520	0.061
5530	0.063
5540	0.06
5550	0.06
5560	0.06
5570	0.061
5580	0.061
5590	0.062
5600	0.062
5610	0.072
5620	0.063
5630	0.063
5640	0.061
5650	0.061
5660	0.061
5670	0.062
5680	0.062
5690	0.063
5700	0.061
5710	0.059
5720	0.061

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

5730	0.064
5740	0.064
5750	0.061
5760	0.061
5770	0.064
5780	0.063
5790	0.063
5800	0.063
5810	0.063
5820	0.062
5830	0.063
5840	0.062
5850	0.063
5860	0.062
5870	0.062
5880	0.063
5890	0.061
5900	0.063
5910	0.061
5920	0.062
5930	0.063
5940	0.063
5950	0.062
5960	0.061
5970	0.064
5980	0.063
5990	0.064
6000	0.073
6010	0.068
6020	0.069
6030	0.064
6040	0.067
6050	0.064
6060	0.064
6070	0.062
6080	0.062
6090	0.064
6100	0.157
6110	0.068
6120	0.066
6130	0.064
6140	0.066
6150	0.065
6160	0.073
6170	0.067
6180	0.065
6190	0.065

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

6200	0.101
6210	0.073
6220	0.068
6230	0.067
6240	0.065
6250	0.064
6260	0.064
6270	0.065
6280	0.073
6290	0.065
6300	0.064
6310	0.064
6320	0.065
6330	0.064
6340	0.063
6350	0.064
6360	0.065
6370	0.063
6380	0.067
6390	0.064
6400	0.063
6410	0.062
6420	0.06
6430	0.066
6440	0.068
6450	0.063
6460	0.063
6470	0.063
6480	0.066
6490	0.063
6500	0.062
6510	0.062
6520	0.061
6530	0.063
6540	0.065
6550	0.064
6560	0.062
6570	0.077
6580	0.064
6590	0.066
6600	0.063
6610	0.063
6620	0.063
6630	0.064
6640	0.065
6650	0.069
6660	0.063

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

6670	0.062
6680	0.063
6690	0.06
6700	0.059
6710	0.059
6720	0.06
6730	0.059
6740	0.06
6750	0.06
6760	0.062
6770	0.061
6780	0.059
6790	0.06
6800	0.067
6810	0.072
6820	0.064
6830	0.066
6840	0.062
6850	0.061
6860	0.062
6870	0.066
6880	0.063
6890	0.064
6900	0.065
6910	0.061
6920	0.06
6930	0.061
6940	0.06
6950	0.06
6960	0.06
6970	0.062
6980	0.061
6990	0.061
7000	0.072
7010	0.061
7020	0.059
7030	0.059
7040	0.059
7050	0.058
7060	0.06
7070	0.062
7080	0.062
7090	0.061
7100	0.06
7110	0.061
7120	0.06
7130	0.062

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

7140	0.061
7150	0.062
7160	0.059
7170	0.063
7180	0.065
7190	0.062
7200	0.061
7210	0.059
7220	0.06
7230	0.062
7240	0.059
7250	0.059
7260	0.059
7270	0.06
7280	0.061
7290	0.064
7300	0.06
7310	0.06
7320	0.06
7330	0.058
7340	0.061
7350	0.061
7360	0.059
7370	0.058
7380	0.059
7390	0.059
7400	0.059
7410	0.059
7420	0.059
7430	0.061
7440	0.057
7450	0.058
7460	0.06
7470	0.058
7480	0.06
7490	0.059
7500	0.06
7510	0.058
7520	0.058
7530	0.059
7540	0.06
7550	0.059
7560	0.059
7570	0.059
7580	0.058
7590	0.059
7600	0.064

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

7610	0.059
7620	0.058
7630	0.057
7640	0.06
7650	0.059
7660	0.059
7670	0.059
7680	0.06
7690	0.064
7700	0.061
7710	0.127
7720	0.064
7730	0.064
7740	0.059
7750	0.061
7760	0.064
7770	0.057
7780	0.057
7790	0.059
7800	0.058
7810	0.059
7820	0.059
7830	0.059
7840	0.059
7850	0.061
7860	0.062
7870	0.062
7880	0.061
7890	0.062
7900	0.058
7910	0.059
7920	0.059
7930	0.061
7940	0.059
7950	0.058
7960	0.081
7970	0.06
7980	0.056
7990	0.056
8000	0.058
8010	0.059
8020	0.061
8030	0.059
8040	0.066
8050	0.057
8060	0.057
8070	0.057

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

8080	0.056
8090	0.056
8100	0.057
8110	0.058
8120	0.058
8130	0.056
8140	0.059
8150	0.112
8160	0.079
8170	0.064
8180	0.058
8190	0.056
8200	0.053
8210	0.055
8220	0.055
8230	0.06
8240	0.056
8250	0.056
8260	0.055
8270	0.055
8280	0.056
8290	0.056
8300	0.056
8310	0.055
8320	0.056
8330	0.055
8340	0.055
8350	0.055
8360	0.055
8370	0.055
8380	0.054
8390	0.055
8400	0.057
8410	0.063
8420	0.056
8430	0.055
8440	0.055
8450	0.055
8460	0.056
8470	0.055
8480	0.056
8490	0.056
8500	0.056
8510	0.054
8520	0.055
8530	0.055
8540	0.057

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

8550	0.055
8560	0.054
8570	0.055
8580	0.059
8590	0.054
8600	0.055
8610	0.055
8620	0.055
8630	0.056
8640	0.054
8650	0.054
8660	0.056
8670	0.056
8680	0.056
8690	0.056
8700	0.055
8710	0.055
8720	0.054
8730	0.057
8740	0.056
8750	0.057
8760	0.054
8770	0.056
8780	0.056
8790	0.055
8800	0.056
8810	0.054
8820	0.055
8830	0.057
8840	0.055
8850	0.055
8860	0.056
8870	0.054
8880	0.055
8890	0.055
8900	0.056
8910	0.055
8920	0.055
8930	0.055
8940	0.059
8950	0.052
8960	0.054
8970	0.054
8980	0.056
8990	0.056
9000	0.056
9010	0.056

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

9020	0.054
9030	0.054
9040	0.055
9050	0.062
9060	0.054
9070	0.053
9080	0.067
9090	0.055
9100	0.056
9110	0.057
9120	0.055
9130	0.054
9140	0.055
9150	0.055
9160	0.058
9170	0.057
9180	0.059
9190	0.057
9200	0.055
9210	0.053
9220	0.055
9230	0.06
9240	0.056
9250	0.055
9260	0.055
9270	0.055
9280	0.056
9290	0.054
9300	0.055
9310	0.054
9320	0.054
9330	0.054
9340	0.054
9350	0.053
9360	0.055
9370	0.054
9380	0.055
9390	0.055
9400	0.055
9410	0.054
9420	0.055
9430	0.054
9440	0.054
9450	0.054
9460	0.054
9470	0.054
9480	0.054

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

9490	0.055
9500	0.055
9510	0.054
9520	0.053
9530	0.054
9540	0.053
9550	0.054
9560	0.053
9570	0.052
9580	0.059
9590	0.052
9600	0.055
9610	0.052
9620	0.053
9630	0.058
9640	0.055
9650	0.053
9660	0.053
9670	0.054
9680	0.052
9690	0.054
9700	0.056
9710	0.055
9720	0.053
9730	0.051
9740	0.052
9750	0.052
9760	0.053
9770	0.052
9780	0.052
9790	0.052
9800	0.051
9810	0.056
9820	0.06
9830	0.055
9840	0.053
9850	0.052
9860	0.052
9870	0.051
9880	0.052
9890	0.051
9900	0.052
9910	0.054
9920	0.05
9930	0.05
9940	0.05
9950	0.051

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

9960	0.051
9970	0.05
9980	0.051
9990	0.052
10000	0.05
10010	0.051
10020	0.05
10030	0.05
10040	0.053
10050	0.051
10060	0.051
10070	0.05
10080	0.054
10090	0.051
10100	0.05
10110	0.05
10120	0.054
10130	0.052
10140	0.052
10150	0.051
10160	0.05
10170	0.051
10180	0.058
10190	0.051
10200	0.055
10210	0.061
10220	0.053
10230	0.051
10240	0.051
10250	0.051
10260	0.051
10270	0.05
10280	0.051
10290	0.05
10300	0.049
10310	0.051
10320	0.051
10330	0.05
10340	0.056
10350	0.051
10360	0.05
10370	0.05
10380	0.052
10390	0.056
10400	0.059
10410	0.052
10420	0.051

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

10430	0.052
10440	0.052
10450	0.053
10460	0.052
10470	0.052
10480	0.052
10490	0.051
10500	0.056
10510	0.052
10520	0.054
10530	0.051
10540	0.051
10550	0.053
10560	0.053
10570	0.053
10580	0.053
10590	0.054
10600	0.054
10610	0.054
10620	0.052
10630	0.054
10640	0.055
10650	0.059
10660	0.056
10670	0.055
10680	0.056
10690	0.062

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530101704
Firmware Version	3.5
Calibration Date	4/18/2017
Test Name	MANUAL_029
Test Start Time	4:24:27 PM
Test Start Date	6/13/2017
Test Length [D:H:M]	0:00:05
Test Interval [M:S]	0:10
Mass Average [mg/m3]	-0.001
Mass Minimum [mg/m3]	-0.002
Mass Maximum [mg/m3]	0.007
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	32

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
10	0.007		
20	-0.002		
30	-0.002		
40	-0.002		
50	-0.002		
60	-0.002		
70	-0.002		
80	-0.002		
90	-0.002		
100	-0.002		
110	-0.002		
120	-0.002		
130	-0.002		
140	-0.002		
150	-0.002		
160	-0.002		
170	-0.002		
180	-0.002		
190	-0.002		
200	-0.002		
210	-0.002		
220	-0.002		
230	-0.001		
240	-0.001		
250	-0.002		
260	-0.001		
270	-0.002		
280	-0.001		
290	-0.001		
300	-0.001		
310	-0.002		
320	-0.001		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530101704
Firmware Version	3.5
Calibration Date	4/18/2017
Test Name	MANUAL_030
Test Start Time	7:59:21 AM
Test Start Date	6/14/2017
Test Length [D:H:M]	0:01:06
Test Interval [M:S]	0:10
Mass Average [mg/m3]	0.017

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

Mass Minimum [mg/m3]	0.009
Mass Maximum [mg/m3]	0.027
Mass TWA [mg/m3]	0.002
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	399

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
10	0.017		
20	0.02		
30	0.021		
40	0.02		
50	0.021		
60	0.021		
70	0.022		
80	0.021		
90	0.021		
100	0.021		
110	0.021		
120	0.022		
130	0.022		
140	0.026		
150	0.023		
160	0.024		
170	0.023		
180	0.023		
190	0.022		
200	0.023		
210	0.023		
220	0.024		
230	0.024		
240	0.023		
250	0.023		
260	0.022		
270	0.023		
280	0.024		
290	0.023		
300	0.023		
310	0.023		
320	0.024		
330	0.024		
340	0.023		
350	0.023		
360	0.023		
370	0.022		
380	0.023		

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

390	0.022
400	0.023
410	0.023
420	0.023
430	0.023
440	0.024
450	0.023
460	0.023
470	0.023
480	0.024
490	0.023
500	0.024
510	0.024
520	0.024
530	0.024
540	0.024
550	0.023
560	0.024
570	0.024
580	0.025
590	0.024
600	0.025
610	0.024
620	0.024
630	0.024
640	0.024
650	0.023
660	0.023
670	0.023
680	0.023
690	0.024
700	0.023
710	0.024
720	0.027
730	0.024
740	0.024
750	0.024
760	0.024
770	0.025
780	0.025
790	0.025
800	0.024
810	0.023
820	0.024
830	0.024
840	0.024
850	0.024

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

860	0.024
870	0.025
880	0.024
890	0.023
900	0.024
910	0.024
920	0.024
930	0.024
940	0.024
950	0.023
960	0.025
970	0.023
980	0.024
990	0.023
1000	0.023
1010	0.024
1020	0.023
1030	0.026
1040	0.024
1050	0.024
1060	0.024
1070	0.024
1080	0.023
1090	0.023
1100	0.023
1110	0.023
1120	0.023
1130	0.023
1140	0.023
1150	0.023
1160	0.023
1170	0.022
1180	0.022
1190	0.023
1200	0.023
1210	0.023
1220	0.023
1230	0.021
1240	0.021
1250	0.022
1260	0.021
1270	0.022
1280	0.022
1290	0.023
1300	0.022
1310	0.023
1320	0.023

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

1330	0.023
1340	0.021
1350	0.02
1360	0.02
1370	0.02
1380	0.019
1390	0.018
1400	0.018
1410	0.02
1420	0.018
1430	0.019
1440	0.019
1450	0.018
1460	0.019
1470	0.02
1480	0.021
1490	0.019
1500	0.018
1510	0.018
1520	0.018
1530	0.018
1540	0.019
1550	0.019
1560	0.018
1570	0.018
1580	0.019
1590	0.018
1600	0.019
1610	0.019
1620	0.019
1630	0.018
1640	0.019
1650	0.018
1660	0.018
1670	0.02
1680	0.019
1690	0.02
1700	0.02
1710	0.019
1720	0.019
1730	0.019
1740	0.019
1750	0.019
1760	0.019
1770	0.02
1780	0.019
1790	0.02

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

1800	0.02
1810	0.019
1820	0.021
1830	0.02
1840	0.019
1850	0.019
1860	0.019
1870	0.019
1880	0.019
1890	0.019
1900	0.019
1910	0.019
1920	0.02
1930	0.019
1940	0.02
1950	0.018
1960	0.017
1970	0.017
1980	0.017
1990	0.017
2000	0.016
2010	0.017
2020	0.017
2030	0.017
2040	0.017
2050	0.016
2060	0.017
2070	0.017
2080	0.016
2090	0.017
2100	0.016
2110	0.016
2120	0.017
2130	0.016
2140	0.015
2150	0.016
2160	0.016
2170	0.016
2180	0.018
2190	0.016
2200	0.017
2210	0.016
2220	0.016
2230	0.016
2240	0.015
2250	0.015
2260	0.015

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

2270	0.015
2280	0.014
2290	0.015
2300	0.015
2310	0.014
2320	0.014
2330	0.013
2340	0.014
2350	0.014
2360	0.015
2370	0.014
2380	0.014
2390	0.013
2400	0.014
2410	0.014
2420	0.014
2430	0.012
2440	0.012
2450	0.013
2460	0.013
2470	0.013
2480	0.013
2490	0.014
2500	0.013
2510	0.013
2520	0.013
2530	0.013
2540	0.013
2550	0.012
2560	0.012
2570	0.013
2580	0.013
2590	0.013
2600	0.014
2610	0.014
2620	0.012
2630	0.012
2640	0.012
2650	0.012
2660	0.013
2670	0.013
2680	0.013
2690	0.013
2700	0.013
2710	0.012
2720	0.012
2730	0.013

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

2740	0.012
2750	0.012
2760	0.012
2770	0.012
2780	0.012
2790	0.015
2800	0.013
2810	0.013
2820	0.012
2830	0.012
2840	0.014
2850	0.013
2860	0.012
2870	0.012
2880	0.012
2890	0.011
2900	0.012
2910	0.012
2920	0.012
2930	0.012
2940	0.013
2950	0.012
2960	0.011
2970	0.012
2980	0.014
2990	0.014
3000	0.012
3010	0.012
3020	0.012
3030	0.013
3040	0.012
3050	0.011
3060	0.011
3070	0.012
3080	0.014
3090	0.011
3100	0.011
3110	0.011
3120	0.011
3130	0.012
3140	0.011
3150	0.011
3160	0.011
3170	0.011
3180	0.011
3190	0.011
3200	0.011

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

3210	0.011
3220	0.011
3230	0.011
3240	0.011
3250	0.011
3260	0.01
3270	0.011
3280	0.011
3290	0.01
3300	0.011
3310	0.012
3320	0.013
3330	0.012
3340	0.013
3350	0.016
3360	0.011
3370	0.011
3380	0.011
3390	0.01
3400	0.011
3410	0.011
3420	0.01
3430	0.011
3440	0.01
3450	0.012
3460	0.01
3470	0.01
3480	0.011
3490	0.013
3500	0.01
3510	0.01
3520	0.011
3530	0.011
3540	0.01
3550	0.01
3560	0.011
3570	0.011
3580	0.01
3590	0.011
3600	0.01
3610	0.01
3620	0.01
3630	0.011
3640	0.01
3650	0.01
3660	0.01
3670	0.011

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

3680	0.011
3690	0.01
3700	0.011
3710	0.01
3720	0.01
3730	0.011
3740	0.014
3750	0.01
3760	0.011
3770	0.01
3780	0.01
3790	0.011
3800	0.01
3810	0.01
3820	0.01
3830	0.011
3840	0.01
3850	0.01
3860	0.01
3870	0.009
3880	0.01
3890	0.01
3900	0.01
3910	0.01
3920	0.01
3930	0.01
3940	0.01
3950	0.01
3960	0.012
3970	0.013
3980	0.011
3990	0.015

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530101704
Firmware Version	3.5
Calibration Date	4/18/2017
Test Name	MANUAL_031
Test Start Time	10:09:01 AM
Test Start Date	6/14/2017
Test Length [D:H:M]	0:05:10
Test Interval [M:S]	0:10
Mass Average [mg/m3]	0.007
Mass Minimum [mg/m3]	0.002
Mass Maximum [mg/m3]	0.125

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

Mass TWA [mg/m3]	0.004
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	1861

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
10	0.012		
20	0.008		
30	0.009		
40	0.01		
50	0.009		
60	0.01		
70	0.008		
80	0.01		
90	0.009		
100	0.009		
110	0.01		
120	0.008		
130	0.009		
140	0.015		
150	0.008		
160	0.01		
170	0.009		
180	0.01		
190	0.011		
200	0.008		
210	0.009		
220	0.009		
230	0.008		
240	0.008		
250	0.009		
260	0.008		
270	0.01		
280	0.009		
290	0.008		
300	0.013		
310	0.008		
320	0.008		
330	0.01		
340	0.013		
350	0.009		
360	0.009		
370	0.008		
380	0.009		
390	0.009		
400	0.009		

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

410	0.008
420	0.009
430	0.01
440	0.014
450	0.01
460	0.015
470	0.016
480	0.01
490	0.011
500	0.011
510	0.026
520	0.015
530	0.011
540	0.009
550	0.011
560	0.009
570	0.01
580	0.01
590	0.009
600	0.009
610	0.009
620	0.008
630	0.009
640	0.008
650	0.008
660	0.009
670	0.011
680	0.014
690	0.012
700	0.01
710	0.009
720	0.008
730	0.009
740	0.029
750	0.014
760	0.013
770	0.011
780	0.01
790	0.01
800	0.01
810	0.012
820	0.012
830	0.012
840	0.01
850	0.009
860	0.009
870	0.008

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

880	0.008
890	0.009
900	0.013
910	0.011
920	0.01
930	0.01
940	0.01
950	0.012
960	0.01
970	0.011
980	0.01
990	0.012
1000	0.009
1010	0.01
1020	0.011
1030	0.009
1040	0.01
1050	0.008
1060	0.01
1070	0.01
1080	0.01
1090	0.009
1100	0.011
1110	0.009
1120	0.008
1130	0.014
1140	0.009
1150	0.013
1160	0.008
1170	0.009
1180	0.008
1190	0.015
1200	0.008
1210	0.008
1220	0.008
1230	0.009
1240	0.008
1250	0.008
1260	0.009
1270	0.009
1280	0.008
1290	0.01
1300	0.015
1310	0.011
1320	0.009
1330	0.01
1340	0.011

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

1350	0.01
1360	0.01
1370	0.009
1380	0.008
1390	0.008
1400	0.007
1410	0.007
1420	0.008
1430	0.008
1440	0.009
1450	0.01
1460	0.011
1470	0.01
1480	0.011
1490	0.008
1500	0.008
1510	0.008
1520	0.009
1530	0.008
1540	0.008
1550	0.008
1560	0.008
1570	0.007
1580	0.011
1590	0.008
1600	0.007
1610	0.013
1620	0.007
1630	0.008
1640	0.008
1650	0.008
1660	0.007
1670	0.007
1680	0.006
1690	0.008
1700	0.007
1710	0.006
1720	0.007
1730	0.007
1740	0.007
1750	0.007
1760	0.007
1770	0.007
1780	0.007
1790	0.007
1800	0.012
1810	0.013

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

1820	0.011
1830	0.008
1840	0.007
1850	0.007
1860	0.007
1870	0.007
1880	0.007
1890	0.009
1900	0.007
1910	0.007
1920	0.007
1930	0.006
1940	0.006
1950	0.006
1960	0.006
1970	0.006
1980	0.007
1990	0.006
2000	0.007
2010	0.007
2020	0.007
2030	0.007
2040	0.011
2050	0.007
2060	0.019
2070	0.008
2080	0.007
2090	0.007
2100	0.006
2110	0.008
2120	0.011
2130	0.008
2140	0.008
2150	0.007
2160	0.006
2170	0.007
2180	0.006
2190	0.006
2200	0.006
2210	0.006
2220	0.007
2230	0.007
2240	0.013
2250	0.006
2260	0.007
2270	0.013
2280	0.006

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

2290	0.007
2300	0.007
2310	0.007
2320	0.01
2330	0.007
2340	0.006
2350	0.009
2360	0.007
2370	0.006
2380	0.007
2390	0.007
2400	0.006
2410	0.007
2420	0.006
2430	0.007
2440	0.007
2450	0.007
2460	0.007
2470	0.007
2480	0.006
2490	0.021
2500	0.01
2510	0.007
2520	0.013
2530	0.008
2540	0.007
2550	0.006
2560	0.008
2570	0.012
2580	0.006
2590	0.006
2600	0.007
2610	0.008
2620	0.006
2630	0.007
2640	0.008
2650	0.009
2660	0.009
2670	0.009
2680	0.009
2690	0.007
2700	0.008
2710	0.006
2720	0.006
2730	0.007
2740	0.007
2750	0.011

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

2760	0.007
2770	0.007
2780	0.007
2790	0.008
2800	0.006
2810	0.006
2820	0.007
2830	0.008
2840	0.007
2850	0.006
2860	0.007
2870	0.008
2880	0.006
2890	0.006
2900	0.006
2910	0.007
2920	0.006
2930	0.016
2940	0.006
2950	0.006
2960	0.006
2970	0.009
2980	0.007
2990	0.006
3000	0.009
3010	0.012
3020	0.009
3030	0.011
3040	0.009
3050	0.008
3060	0.006
3070	0.006
3080	0.006
3090	0.007
3100	0.009
3110	0.007
3120	0.008
3130	0.006
3140	0.01
3150	0.011
3160	0.007
3170	0.006
3180	0.006
3190	0.007
3200	0.007
3210	0.007
3220	0.006

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

3230	0.006
3240	0.006
3250	0.006
3260	0.006
3270	0.006
3280	0.009
3290	0.028
3300	0.038
3310	0.015
3320	0.01
3330	0.008
3340	0.006
3350	0.006
3360	0.006
3370	0.007
3380	0.006
3390	0.007
3400	0.008
3410	0.007
3420	0.007
3430	0.006
3440	0.006
3450	0.005
3460	0.014
3470	0.02
3480	0.013
3490	0.007
3500	0.021
3510	0.007
3520	0.006
3530	0.006
3540	0.005
3550	0.006
3560	0.01
3570	0.014
3580	0.013
3590	0.01
3600	0.018
3610	0.015
3620	0.024
3630	0.008
3640	0.007
3650	0.006
3660	0.007
3670	0.008
3680	0.01
3690	0.009

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

3700	0.008
3710	0.006
3720	0.006
3730	0.006
3740	0.009
3750	0.006
3760	0.007
3770	0.009
3780	0.005
3790	0.005
3800	0.005
3810	0.006
3820	0.007
3830	0.006
3840	0.006
3850	0.005
3860	0.005
3870	0.005
3880	0.005
3890	0.004
3900	0.005
3910	0.005
3920	0.005
3930	0.005
3940	0.006
3950	0.006
3960	0.005
3970	0.005
3980	0.006
3990	0.005
4000	0.004
4010	0.005
4020	0.008
4030	0.006
4040	0.006
4050	0.006
4060	0.005
4070	0.008
4080	0.005
4090	0.005
4100	0.004
4110	0.005
4120	0.005
4130	0.011
4140	0.011
4150	0.006
4160	0.007

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

4170	0.006
4180	0.029
4190	0.018
4200	0.007
4210	0.007
4220	0.007
4230	0.007
4240	0.007
4250	0.007
4260	0.007
4270	0.007
4280	0.007
4290	0.005
4300	0.006
4310	0.006
4320	0.005
4330	0.005
4340	0.005
4350	0.005
4360	0.005
4370	0.005
4380	0.007
4390	0.005
4400	0.005
4410	0.005
4420	0.007
4430	0.005
4440	0.005
4450	0.005
4460	0.005
4470	0.004
4480	0.005
4490	0.005
4500	0.005
4510	0.005
4520	0.006
4530	0.008
4540	0.007
4550	0.005
4560	0.006
4570	0.006
4580	0.004
4590	0.005
4600	0.005
4610	0.005
4620	0.004
4630	0.005

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

4640	0.005
4650	0.005
4660	0.009
4670	0.009
4680	0.009
4690	0.006
4700	0.005
4710	0.005
4720	0.007
4730	0.011
4740	0.01
4750	0.007
4760	0.005
4770	0.005
4780	0.004
4790	0.006
4800	0.005
4810	0.009
4820	0.014
4830	0.009
4840	0.015
4850	0.012
4860	0.006
4870	0.006
4880	0.005
4890	0.005
4900	0.004
4910	0.005
4920	0.005
4930	0.005
4940	0.007
4950	0.005
4960	0.005
4970	0.005
4980	0.005
4990	0.005
5000	0.005
5010	0.004
5020	0.004
5030	0.005
5040	0.004
5050	0.004
5060	0.006
5070	0.005
5080	0.007
5090	0.02
5100	0.006

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

5110	0.006
5120	0.005
5130	0.005
5140	0.005
5150	0.004
5160	0.004
5170	0.006
5180	0.012
5190	0.007
5200	0.008
5210	0.007
5220	0.008
5230	0.006
5240	0.005
5250	0.005
5260	0.006
5270	0.005
5280	0.006
5290	0.004
5300	0.005
5310	0.005
5320	0.004
5330	0.004
5340	0.004
5350	0.004
5360	0.004
5370	0.005
5380	0.005
5390	0.005
5400	0.005
5410	0.005
5420	0.011
5430	0.005
5440	0.005
5450	0.004
5460	0.004
5470	0.005
5480	0.018
5490	0.007
5500	0.005
5510	0.004
5520	0.006
5530	0.005
5540	0.006
5550	0.007
5560	0.007
5570	0.005

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

5580	0.004
5590	0.004
5600	0.005
5610	0.005
5620	0.005
5630	0.005
5640	0.004
5650	0.012
5660	0.005
5670	0.006
5680	0.005
5690	0.005
5700	0.004
5710	0.007
5720	0.005
5730	0.004
5740	0.004
5750	0.004
5760	0.004
5770	0.005
5780	0.005
5790	0.004
5800	0.004
5810	0.004
5820	0.003
5830	0.004
5840	0.004
5850	0.009
5860	0.005
5870	0.004
5880	0.005
5890	0.004
5900	0.005
5910	0.004
5920	0.058
5930	0.004
5940	0.005
5950	0.006
5960	0.007
5970	0.008
5980	0.004
5990	0.004
6000	0.004
6010	0.006
6020	0.005
6030	0.008
6040	0.014

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

6050	0.008
6060	0.004
6070	0.004
6080	0.004
6090	0.004
6100	0.004
6110	0.004
6120	0.004
6130	0.004
6140	0.004
6150	0.004
6160	0.004
6170	0.003
6180	0.004
6190	0.004
6200	0.004
6210	0.004
6220	0.005
6230	0.004
6240	0.005
6250	0.004
6260	0.004
6270	0.004
6280	0.004
6290	0.003
6300	0.003
6310	0.003
6320	0.005
6330	0.004
6340	0.004
6350	0.003
6360	0.004
6370	0.004
6380	0.006
6390	0.005
6400	0.003
6410	0.003
6420	0.004
6430	0.004
6440	0.004
6450	0.004
6460	0.004
6470	0.006
6480	0.004
6490	0.004
6500	0.004
6510	0.01

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

6520	0.021
6530	0.006
6540	0.006
6550	0.006
6560	0.004
6570	0.005
6580	0.004
6590	0.004
6600	0.011
6610	0.005
6620	0.007
6630	0.007
6640	0.004
6650	0.004
6660	0.005
6670	0.007
6680	0.005
6690	0.005
6700	0.004
6710	0.007
6720	0.004
6730	0.004
6740	0.008
6750	0.006
6760	0.006
6770	0.007
6780	0.004
6790	0.003
6800	0.004
6810	0.008
6820	0.003
6830	0.004
6840	0.004
6850	0.003
6860	0.004
6870	0.004
6880	0.004
6890	0.004
6900	0.004
6910	0.003
6920	0.004
6930	0.004
6940	0.022
6950	0.009
6960	0.009
6970	0.009
6980	0.006

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

6990	0.007
7000	0.017
7010	0.01
7020	0.008
7030	0.009
7040	0.004
7050	0.004
7060	0.005
7070	0.003
7080	0.005
7090	0.004
7100	0.006
7110	0.005
7120	0.006
7130	0.009
7140	0.017
7150	0.015
7160	0.007
7170	0.005
7180	0.004
7190	0.005
7200	0.007
7210	0.01
7220	0.004
7230	0.005
7240	0.004
7250	0.004
7260	0.003
7270	0.003
7280	0.004
7290	0.003
7300	0.003
7310	0.005
7320	0.004
7330	0.005
7340	0.004
7350	0.004
7360	0.004
7370	0.004
7380	0.003
7390	0.004
7400	0.004
7410	0.004
7420	0.005
7430	0.003
7440	0.008
7450	0.013

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

7460	0.012
7470	0.006
7480	0.004
7490	0.005
7500	0.005
7510	0.01
7520	0.01
7530	0.011
7540	0.006
7550	0.005
7560	0.011
7570	0.008
7580	0.006
7590	0.007
7600	0.006
7610	0.004
7620	0.005
7630	0.016
7640	0.014
7650	0.007
7660	0.007
7670	0.005
7680	0.008
7690	0.007
7700	0.009
7710	0.008
7720	0.009
7730	0.004
7740	0.004
7750	0.004
7760	0.004
7770	0.004
7780	0.004
7790	0.004
7800	0.003
7810	0.016
7820	0.016
7830	0.011
7840	0.007
7850	0.007
7860	0.004
7870	0.004
7880	0.008
7890	0.005
7900	0.004
7910	0.004
7920	0.007

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

7930	0.004
7940	0.011
7950	0.004
7960	0.008
7970	0.009
7980	0.011
7990	0.008
8000	0.007
8010	0.005
8020	0.013
8030	0.009
8040	0.01
8050	0.01
8060	0.006
8070	0.006
8080	0.007
8090	0.007
8100	0.006
8110	0.004
8120	0.059
8130	0.125
8140	0.055
8150	0.03
8160	0.011
8170	0.006
8180	0.006
8190	0.004
8200	0.004
8210	0.01
8220	0.004
8230	0.003
8240	0.004
8250	0.004
8260	0.015
8270	0.004
8280	0.005
8290	0.004
8300	0.005
8310	0.004
8320	0.004
8330	0.004
8340	0.007
8350	0.007
8360	0.006
8370	0.009
8380	0.005
8390	0.006

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

8400	0.006
8410	0.004
8420	0.005
8430	0.005
8440	0.005
8450	0.004
8460	0.004
8470	0.007
8480	0.005
8490	0.005
8500	0.005
8510	0.014
8520	0.006
8530	0.007
8540	0.008
8550	0.006
8560	0.004
8570	0.005
8580	0.004
8590	0.004
8600	0.003
8610	0.004
8620	0.004
8630	0.004
8640	0.004
8650	0.004
8660	0.004
8670	0.005
8680	0.004
8690	0.005
8700	0.004
8710	0.004
8720	0.004
8730	0.004
8740	0.004
8750	0.005
8760	0.005
8770	0.007
8780	0.005
8790	0.012
8800	0.004
8810	0.005
8820	0.004
8830	0.005
8840	0.006
8850	0.004
8860	0.004

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

8870	0.009
8880	0.005
8890	0.007
8900	0.005
8910	0.005
8920	0.006
8930	0.008
8940	0.014
8950	0.006
8960	0.006
8970	0.004
8980	0.006
8990	0.004
9000	0.004
9010	0.006
9020	0.008
9030	0.005
9040	0.005
9050	0.004
9060	0.005
9070	0.004
9080	0.005
9090	0.004
9100	0.004
9110	0.004
9120	0.004
9130	0.004
9140	0.004
9150	0.004
9160	0.005
9170	0.012
9180	0.004
9190	0.004
9200	0.004
9210	0.005
9220	0.004
9230	0.007
9240	0.003
9250	0.005
9260	0.004
9270	0.003
9280	0.004
9290	0.004
9300	0.004
9310	0.005
9320	0.004
9330	0.003

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

9340	0.003
9350	0.004
9360	0.007
9370	0.004
9380	0.005
9390	0.004
9400	0.027
9410	0.008
9420	0.006
9430	0.017
9440	0.006
9450	0.005
9460	0.011
9470	0.008
9480	0.006
9490	0.004
9500	0.005
9510	0.004
9520	0.007
9530	0.007
9540	0.005
9550	0.01
9560	0.004
9570	0.004
9580	0.004
9590	0.004
9600	0.004
9610	0.004
9620	0.003
9630	0.004
9640	0.005
9650	0.004
9660	0.004
9670	0.004
9680	0.003
9690	0.004
9700	0.004
9710	0.004
9720	0.005
9730	0.003
9740	0.004
9750	0.004
9760	0.004
9770	0.004
9780	0.004
9790	0.004
9800	0.003

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

9810	0.004
9820	0.004
9830	0.003
9840	0.007
9850	0.003
9860	0.004
9870	0.003
9880	0.004
9890	0.003
9900	0.004
9910	0.003
9920	0.004
9930	0.004
9940	0.004
9950	0.003
9960	0.004
9970	0.003
9980	0.007
9990	0.004
10000	0.004
10010	0.005
10020	0.008
10030	0.006
10040	0.004
10050	0.003
10060	0.004
10070	0.006
10080	0.004
10090	0.003
10100	0.004
10110	0.008
10120	0.004
10130	0.004
10140	0.003
10150	0.003
10160	0.004
10170	0.005
10180	0.004
10190	0.004
10200	0.004
10210	0.003
10220	0.005
10230	0.004
10240	0.004
10250	0.01
10260	0.005
10270	0.003

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

10280	0.034
10290	0.005
10300	0.003
10310	0.003
10320	0.004
10330	0.005
10340	0.004
10350	0.005
10360	0.006
10370	0.012
10380	0.007
10390	0.005
10400	0.003
10410	0.003
10420	0.005
10430	0.004
10440	0.003
10450	0.003
10460	0.01
10470	0.003
10480	0.003
10490	0.004
10500	0.004
10510	0.004
10520	0.008
10530	0.004
10540	0.004
10550	0.003
10560	0.003
10570	0.034
10580	0.004
10590	0.009
10600	0.006
10610	0.005
10620	0.004
10630	0.004
10640	0.005
10650	0.004
10660	0.004
10670	0.003
10680	0.004
10690	0.004
10700	0.004
10710	0.007
10720	0.008
10730	0.004
10740	0.003

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

10750	0.004
10760	0.004
10770	0.004
10780	0.004
10790	0.004
10800	0.004
10810	0.003
10820	0.004
10830	0.004
10840	0.01
10850	0.004
10860	0.004
10870	0.004
10880	0.004
10890	0.004
10900	0.014
10910	0.005
10920	0.004
10930	0.004
10940	0.004
10950	0.003
10960	0.004
10970	0.005
10980	0.003
10990	0.004
11000	0.004
11010	0.004
11020	0.008
11030	0.011
11040	0.004
11050	0.005
11060	0.004
11070	0.004
11080	0.004
11090	0.004
11100	0.004
11110	0.004
11120	0.005
11130	0.004
11140	0.003
11150	0.003
11160	0.004
11170	0.005
11180	0.004
11190	0.006
11200	0.004
11210	0.005

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

11220	0.007
11230	0.004
11240	0.004
11250	0.011
11260	0.012
11270	0.003
11280	0.003
11290	0.004
11300	0.003
11310	0.009
11320	0.005
11330	0.009
11340	0.007
11350	0.004
11360	0.008
11370	0.004
11380	0.004
11390	0.003
11400	0.007
11410	0.007
11420	0.004
11430	0.006
11440	0.004
11450	0.004
11460	0.014
11470	0.006
11480	0.008
11490	0.004
11500	0.006
11510	0.004
11520	0.007
11530	0.009
11540	0.012
11550	0.009
11560	0.005
11570	0.004
11580	0.003
11590	0.003
11600	0.005
11610	0.005
11620	0.004
11630	0.005
11640	0.006
11650	0.005
11660	0.005
11670	0.004
11680	0.004

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

11690	0.003
11700	0.003
11710	0.003
11720	0.003
11730	0.004
11740	0.003
11750	0.004
11760	0.004
11770	0.007
11780	0.01
11790	0.007
11800	0.01
11810	0.004
11820	0.003
11830	0.003
11840	0.004
11850	0.004
11860	0.005
11870	0.008
11880	0.004
11890	0.006
11900	0.004
11910	0.006
11920	0.009
11930	0.003
11940	0.003
11950	0.003
11960	0.003
11970	0.004
11980	0.005
11990	0.003
12000	0.004
12010	0.003
12020	0.028
12030	0.016
12040	0.037
12050	0.007
12060	0.005
12070	0.003
12080	0.003
12090	0.004
12100	0.004
12110	0.003
12120	0.007
12130	0.003
12140	0.005
12150	0.003

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

12160	0.003
12170	0.003
12180	0.003
12190	0.004
12200	0.018
12210	0.057
12220	0.004
12230	0.003
12240	0.003
12250	0.003
12260	0.003
12270	0.003
12280	0.003
12290	0.003
12300	0.016
12310	0.011
12320	0.003
12330	0.003
12340	0.01
12350	0.003
12360	0.003
12370	0.004
12380	0.003
12390	0.003
12400	0.003
12410	0.004
12420	0.003
12430	0.003
12440	0.003
12450	0.003
12460	0.003
12470	0.007
12480	0.007
12490	0.012
12500	0.006
12510	0.004
12520	0.003
12530	0.003
12540	0.004
12550	0.004
12560	0.003
12570	0.003
12580	0.003
12590	0.004
12600	0.005
12610	0.004
12620	0.003

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

12630	0.004
12640	0.006
12650	0.004
12660	0.005
12670	0.004
12680	0.004
12690	0.004
12700	0.004
12710	0.005
12720	0.006
12730	0.004
12740	0.004
12750	0.003
12760	0.004
12770	0.004
12780	0.004
12790	0.004
12800	0.004
12810	0.003
12820	0.005
12830	0.004
12840	0.003
12850	0.021
12860	0.004
12870	0.004
12880	0.004
12890	0.004
12900	0.006
12910	0.004
12920	0.004
12930	0.004
12940	0.005
12950	0.004
12960	0.004
12970	0.005
12980	0.004
12990	0.005
13000	0.004
13010	0.004
13020	0.004
13030	0.004
13040	0.004
13050	0.004
13060	0.005
13070	0.004
13080	0.004
13090	0.004

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

13100	0.003
13110	0.004
13120	0.006
13130	0.004
13140	0.004
13150	0.004
13160	0.004
13170	0.008
13180	0.003
13190	0.004
13200	0.004
13210	0.008
13220	0.004
13230	0.005
13240	0.004
13250	0.005
13260	0.012
13270	0.004
13280	0.006
13290	0.004
13300	0.004
13310	0.005
13320	0.02
13330	0.032
13340	0.023
13350	0.014
13360	0.006
13370	0.008
13380	0.013
13390	0.103
13400	0.054
13410	0.057
13420	0.03
13430	0.021
13440	0.019
13450	0.024
13460	0.012
13470	0.007
13480	0.007
13490	0.005
13500	0.007
13510	0.012
13520	0.006
13530	0.008
13540	0.006
13550	0.021
13560	0.009

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

13570	0.008
13580	0.006
13590	0.004
13600	0.008
13610	0.01
13620	0.006
13630	0.008
13640	0.004
13650	0.003
13660	0.004
13670	0.004
13680	0.003
13690	0.004
13700	0.003
13710	0.003
13720	0.003
13730	0.008
13740	0.006
13750	0.004
13760	0.007
13770	0.004
13780	0.003
13790	0.003
13800	0.004
13810	0.003
13820	0.003
13830	0.003
13840	0.004
13850	0.008
13860	0.008
13870	0.003
13880	0.003
13890	0.003
13900	0.017
13910	0.015
13920	0.006
13930	0.009
13940	0.007
13950	0.006
13960	0.005
13970	0.003
13980	0.003
13990	0.009
14000	0.005
14010	0.015
14020	0.036
14030	0.005

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

14040	0.006
14050	0.003
14060	0.005
14070	0.007
14080	0.005
14090	0.004
14100	0.003
14110	0.005
14120	0.005
14130	0.003
14140	0.006
14150	0.008
14160	0.005
14170	0.006
14180	0.004
14190	0.003
14200	0.003
14210	0.003
14220	0.003
14230	0.003
14240	0.003
14250	0.004
14260	0.005
14270	0.004
14280	0.003
14290	0.003
14300	0.003
14310	0.003
14320	0.011
14330	0.007
14340	0.004
14350	0.004
14360	0.009
14370	0.007
14380	0.004
14390	0.003
14400	0.004
14410	0.009
14420	0.012
14430	0.008
14440	0.009
14450	0.013
14460	0.013
14470	0.006
14480	0.005
14490	0.003
14500	0.003

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

14510	0.004
14520	0.004
14530	0.003
14540	0.003
14550	0.006
14560	0.006
14570	0.008
14580	0.004
14590	0.003
14600	0.003
14610	0.005
14620	0.003
14630	0.003
14640	0.002
14650	0.003
14660	0.004
14670	0.003
14680	0.004
14690	0.004
14700	0.003
14710	0.003
14720	0.003
14730	0.008
14740	0.003
14750	0.003
14760	0.003
14770	0.003
14780	0.008
14790	0.031
14800	0.037
14810	0.012
14820	0.006
14830	0.004
14840	0.006
14850	0.003
14860	0.004
14870	0.004
14880	0.004
14890	0.003
14900	0.003
14910	0.005
14920	0.003
14930	0.004
14940	0.007
14950	0.006
14960	0.005
14970	0.004

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

14980	0.004
14990	0.004
15000	0.004
15010	0.004
15020	0.004
15030	0.004
15040	0.005
15050	0.009
15060	0.004
15070	0.004
15080	0.006
15090	0.003
15100	0.003
15110	0.004
15120	0.003
15130	0.005
15140	0.004
15150	0.004
15160	0.004
15170	0.003
15180	0.004
15190	0.041
15200	0.004
15210	0.009
15220	0.016
15230	0.009
15240	0.008
15250	0.005
15260	0.004
15270	0.007
15280	0.007
15290	0.004
15300	0.004
15310	0.007
15320	0.003
15330	0.004
15340	0.005
15350	0.004
15360	0.006
15370	0.004
15380	0.004
15390	0.004
15400	0.004
15410	0.003
15420	0.004
15430	0.004
15440	0.004

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

15450	0.003
15460	0.004
15470	0.004
15480	0.009
15490	0.004
15500	0.006
15510	0.004
15520	0.004
15530	0.004
15540	0.003
15550	0.009
15560	0.004
15570	0.004
15580	0.004
15590	0.004
15600	0.004
15610	0.004
15620	0.004
15630	0.004
15640	0.004
15650	0.003
15660	0.005
15670	0.005
15680	0.005
15690	0.004
15700	0.009
15710	0.007
15720	0.011
15730	0.041
15740	0.008
15750	0.004
15760	0.004
15770	0.004
15780	0.008
15790	0.013
15800	0.006
15810	0.005
15820	0.005
15830	0.004
15840	0.004
15850	0.004
15860	0.007
15870	0.027
15880	0.009
15890	0.009
15900	0.007
15910	0.006

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

15920	0.006
15930	0.008
15940	0.013
15950	0.009
15960	0.01
15970	0.011
15980	0.023
15990	0.021
16000	0.012
16010	0.006
16020	0.005
16030	0.006
16040	0.006
16050	0.011
16060	0.009
16070	0.011
16080	0.009
16090	0.006
16100	0.005
16110	0.005
16120	0.005
16130	0.005
16140	0.007
16150	0.009
16160	0.008
16170	0.006
16180	0.005
16190	0.005
16200	0.004
16210	0.004
16220	0.015
16230	0.027
16240	0.011
16250	0.008
16260	0.005
16270	0.006
16280	0.012
16290	0.007
16300	0.004
16310	0.005
16320	0.004
16330	0.005
16340	0.007
16350	0.011
16360	0.007
16370	0.02
16380	0.009

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

16390	0.006
16400	0.005
16410	0.005
16420	0.004
16430	0.004
16440	0.004
16450	0.004
16460	0.006
16470	0.006
16480	0.014
16490	0.012
16500	0.009
16510	0.016
16520	0.006
16530	0.006
16540	0.005
16550	0.004
16560	0.012
16570	0.004
16580	0.004
16590	0.004
16600	0.007
16610	0.004
16620	0.004
16630	0.003
16640	0.004
16650	0.004
16660	0.005
16670	0.004
16680	0.004
16690	0.005
16700	0.005
16710	0.011
16720	0.009
16730	0.004
16740	0.004
16750	0.004
16760	0.004
16770	0.005
16780	0.008
16790	0.012
16800	0.009
16810	0.01
16820	0.01
16830	0.011
16840	0.008
16850	0.007

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

16860	0.008
16870	0.005
16880	0.005
16890	0.004
16900	0.003
16910	0.005
16920	0.004
16930	0.005
16940	0.005
16950	0.006
16960	0.005
16970	0.004
16980	0.007
16990	0.014
17000	0.01
17010	0.007
17020	0.004
17030	0.004
17040	0.007
17050	0.005
17060	0.004
17070	0.005
17080	0.003
17090	0.01
17100	0.004
17110	0.004
17120	0.004
17130	0.007
17140	0.004
17150	0.004
17160	0.01
17170	0.004
17180	0.003
17190	0.003
17200	0.004
17210	0.004
17220	0.005
17230	0.004
17240	0.009
17250	0.008
17260	0.024
17270	0.018
17280	0.009
17290	0.006
17300	0.006
17310	0.012
17320	0.007

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

17330	0.01
17340	0.008
17350	0.011
17360	0.009
17370	0.011
17380	0.008
17390	0.009
17400	0.006
17410	0.007
17420	0.005
17430	0.004
17440	0.004
17450	0.009
17460	0.006
17470	0.011
17480	0.01
17490	0.006
17500	0.01
17510	0.005
17520	0.005
17530	0.006
17540	0.018
17550	0.029
17560	0.005
17570	0.004
17580	0.005
17590	0.005
17600	0.006
17610	0.004
17620	0.004
17630	0.006
17640	0.005
17650	0.01
17660	0.007
17670	0.006
17680	0.012
17690	0.004
17700	0.007
17710	0.005
17720	0.004
17730	0.005
17740	0.006
17750	0.005
17760	0.004
17770	0.005
17780	0.006
17790	0.011

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

17800	0.011
17810	0.007
17820	0.007
17830	0.006
17840	0.008
17850	0.005
17860	0.005
17870	0.005
17880	0.005
17890	0.009
17900	0.005
17910	0.004
17920	0.004
17930	0.005
17940	0.018
17950	0.01
17960	0.004
17970	0.005
17980	0.004
17990	0.005
18000	0.007
18010	0.005
18020	0.032
18030	0.019
18040	0.007
18050	0.005
18060	0.005
18070	0.006
18080	0.007
18090	0.006
18100	0.004
18110	0.005
18120	0.007
18130	0.005
18140	0.004
18150	0.015
18160	0.012
18170	0.006
18180	0.006
18190	0.005
18200	0.005
18210	0.005
18220	0.01
18230	0.014
18240	0.007
18250	0.007
18260	0.008

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

18270	0.005
18280	0.011
18290	0.005
18300	0.005
18310	0.005
18320	0.005
18330	0.005
18340	0.005
18350	0.004
18360	0.004
18370	0.005
18380	0.004
18390	0.004
18400	0.005
18410	0.005
18420	0.005
18430	0.005
18440	0.005
18450	0.006
18460	0.005
18470	0.005
18480	0.005
18490	0.006
18500	0.005
18510	0.005
18520	0.005
18530	0.004
18540	0.005
18550	0.005
18560	0.005
18570	0.005
18580	0.005
18590	0.005
18600	0.004
18610	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

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Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530104704
Firmware Version	3.5
Calibration Date	4/14/2017
Test Name	MANUAL_001
Test Start Time	7:59:41 AM
Test Start Date	6/5/2017
Test Length [D:H:M]	0:00:01
Test Interval [M:S]	0:01
Mass Average [mg/m3]	0.071
Mass Minimum [mg/m3]	0.028
Mass Maximum [mg/m3]	0.97
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	62

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
1	0.081		
2	0.97		
3	0.782		
4	0.028		
5	0.028		
6	0.028		
7	0.031		
8	0.034		
9	0.034		
10	0.035		
11	0.037		
12	0.05		
13	0.053		
14	0.037		
15	0.036		
16	0.037		
17	0.039		
18	0.04		
19	0.04		
20	0.039		
21	0.04		
22	0.04		
23	0.039		
24	0.04		
25	0.038		
26	0.04		
27	0.041		

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

28	0.043
29	0.045
30	0.047
31	0.046
32	0.043
33	0.042
34	0.043
35	0.044
36	0.044
37	0.054
38	0.063
39	0.046
40	0.049
41	0.052
42	0.048
43	0.047
44	0.046
45	0.047
46	0.048
47	0.047
48	0.046
49	0.048
50	0.05
51	0.05
52	0.05
53	0.048
54	0.046
55	0.047
56	0.046
57	0.047
58	0.05
59	0.052
60	0.05
61	0.053
62	0.052

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530104704
Firmware Version	3.5
Calibration Date	4/14/2017
Test Name	MANUAL_002
Test Start Time	8:58:46 AM
Test Start Date	6/5/2017
Test Length [D:H:M]	0:00:03
Test Interval [M:S]	0:01
Mass Average [mg/m3]	0.029
Mass Minimum [mg/m3]	0.021
Mass Maximum [mg/m3]	0.055

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	213

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
1	0.021		
2	0.021		
3	0.024		
4	0.025		
5	0.023		
6	0.025		
7	0.025		
8	0.026		
9	0.031		
10	0.031		
11	0.028		
12	0.028		
13	0.028		
14	0.029		
15	0.03		
16	0.03		
17	0.03		
18	0.032		
19	0.03		
20	0.027		
21	0.027		
22	0.027		
23	0.028		
24	0.029		
25	0.028		
26	0.029		
27	0.027		
28	0.027		
29	0.027		
30	0.027		
31	0.028		
32	0.028		
33	0.028		
34	0.028		
35	0.031		
36	0.031		
37	0.028		
38	0.029		
39	0.027		
40	0.027		
41	0.029		

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

42	0.031
43	0.03
44	0.027
45	0.028
46	0.028
47	0.028
48	0.028
49	0.025
50	0.027
51	0.028
52	0.028
53	0.027
54	0.028
55	0.028
56	0.027
57	0.028
58	0.029
59	0.028
60	0.027
61	0.027
62	0.027
63	0.027
64	0.028
65	0.028
66	0.027
67	0.028
68	0.031
69	0.031
70	0.03
71	0.029
72	0.031
73	0.03
74	0.029
75	0.03
76	0.03
77	0.03
78	0.031
79	0.029
80	0.029
81	0.029
82	0.029
83	0.03
84	0.03
85	0.029
86	0.029
87	0.031
88	0.032
89	0.029

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

90	0.029
91	0.03
92	0.03
93	0.029
94	0.043
95	0.055
96	0.028
97	0.027
98	0.028
99	0.028
100	0.028
101	0.029
102	0.028
103	0.027
104	0.028
105	0.03
106	0.029
107	0.029
108	0.029
109	0.028
110	0.028
111	0.028
112	0.029
113	0.029
114	0.028
115	0.029
116	0.029
117	0.028
118	0.027
119	0.027
120	0.028
121	0.03
122	0.031
123	0.031
124	0.032
125	0.031
126	0.029
127	0.029
128	0.029
129	0.03
130	0.029
131	0.029
132	0.029
133	0.03
134	0.031
135	0.031
136	0.029
137	0.03

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

138	0.031
139	0.03
140	0.034
141	0.034
142	0.032
143	0.032
144	0.031
145	0.031
146	0.031
147	0.031
148	0.031
149	0.031
150	0.031
151	0.029
152	0.029
153	0.03
154	0.031
155	0.03
156	0.029
157	0.029
158	0.03
159	0.03
160	0.029
161	0.03
162	0.031
163	0.029
164	0.028
165	0.029
166	0.03
167	0.028
168	0.029
169	0.029
170	0.03
171	0.03
172	0.029
173	0.028
174	0.028
175	0.029
176	0.028
177	0.028
178	0.028
179	0.027
180	0.029
181	0.029
182	0.03
183	0.029
184	0.029
185	0.03

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

186	0.029
187	0.03
188	0.031
189	0.03
190	0.031
191	0.031
192	0.031
193	0.03
194	0.03
195	0.028
196	0.029
197	0.029
198	0.026
199	0.028
200	0.03
201	0.03
202	0.03
203	0.029
204	0.03
205	0.03
206	0.031
207	0.032
208	0.03
209	0.03
210	0.032
211	0.032
212	0.031
213	0.03

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530104704
Firmware Version	3.5
Calibration Date	4/14/2017
Test Name	MANUAL_003
Test Start Time	9:05:33 AM
Test Start Date	6/5/2017
Test Length [D:H:M]	0:05:18
Test Interval [M:S]	0:01
Mass Average [mg/m3]	0.03
Mass Minimum [mg/m3]	0.021
Mass Maximum [mg/m3]	1.76
Mass TWA [mg/m3]	0.02
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	19112

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

1	0.033
2	0.036
3	0.038
4	0.034
5	0.036
6	0.035
7	0.035
8	0.038
9	0.037
10	0.035
11	0.036
12	0.036
13	0.036
14	0.035
15	0.034
16	0.037
17	0.037
18	0.037
19	0.037
20	0.039
21	0.039
22	0.038
23	0.04
24	0.041
25	0.039
26	0.038
27	0.038
28	0.038
29	0.04
30	0.039
31	0.039
32	0.039
33	0.039
34	0.039
35	0.037
36	0.038
37	0.037
38	0.039
39	0.038
40	0.038
41	0.039
42	0.038
43	0.037
44	0.038
45	0.039
46	0.04
47	0.04
48	0.04

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

49	0.041
50	0.039
51	0.037
52	0.038
53	0.039
54	0.039
55	0.038
56	0.038
57	0.039
58	0.039
59	0.039
60	0.038
61	0.039
62	0.039
63	0.038
64	0.043
65	0.044
66	0.039
67	0.038
68	0.038
69	0.039
70	0.039
71	0.039
72	0.038
73	0.037
74	0.037
75	0.039
76	0.038
77	0.035
78	0.04
79	0.042
80	0.038
81	0.037
82	0.038
83	0.036
84	0.037
85	0.04
86	0.042
87	0.039
88	0.037
89	0.04
90	0.04
91	0.038
92	0.039
93	0.032
94	0.074
95	0.103
96	0.037

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

97	0.074
98	0.08
99	0.032
100	0.032
101	0.032
102	0.032
103	0.029
104	0.03
105	0.029
106	0.028
107	0.028
108	0.03
109	0.03
110	0.03
111	0.031
112	0.031
113	0.029
114	0.029
115	0.03
116	0.031
117	0.03
118	0.03
119	0.03
120	0.03
121	0.03
122	0.029
123	0.029
124	0.028
125	0.028
126	0.029
127	0.03
128	0.029
129	0.03
130	0.031
131	0.03
132	0.03
133	0.03
134	0.03
135	0.03
136	0.031
137	0.029
138	0.03
139	0.032
140	0.032
141	0.031
142	0.031
143	0.03
144	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

145	0.03
146	0.029
147	0.03
148	0.031
149	0.032
150	0.03
151	0.03
152	0.03
153	0.03
154	0.031
155	0.03
156	0.028
157	0.03
158	0.029
159	0.029
160	0.03
161	0.031
162	0.029
163	0.03
164	0.031
165	0.03
166	0.03
167	0.03
168	0.031
169	0.031
170	0.03
171	0.029
172	0.029
173	0.03
174	0.03
175	0.03
176	0.031
177	0.03
178	0.03
179	0.031
180	0.031
181	0.029
182	0.028
183	0.03
184	0.03
185	0.029
186	0.03
187	0.03
188	0.03
189	0.031
190	0.03
191	0.031
192	0.029

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

193	0.029
194	0.029
195	0.029
196	0.029
197	0.029
198	0.029
199	0.03
200	0.029
201	0.028
202	0.029
203	0.029
204	0.029
205	0.03
206	0.031
207	0.03
208	0.031
209	0.032
210	0.031
211	0.029
212	0.03
213	0.03
214	0.03
215	0.029
216	0.029
217	0.031
218	0.031
219	0.029
220	0.029
221	0.03
222	0.03
223	0.03
224	0.029
225	0.029
226	0.029
227	0.028
228	0.028
229	0.029
230	0.03
231	0.032
232	0.031
233	0.029
234	0.031
235	0.029
236	0.031
237	0.031
238	0.031
239	0.03
240	0.029

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

241	0.03
242	0.03
243	0.031
244	0.028
245	0.029
246	0.031
247	0.031
248	0.03
249	0.031
250	0.03
251	0.03
252	0.03
253	0.031
254	0.033
255	0.032
256	0.03
257	0.031
258	0.033
259	0.031
260	0.032
261	0.032
262	0.031
263	0.031
264	0.032
265	0.03
266	0.03
267	0.031
268	0.032
269	0.031
270	0.031
271	0.029
272	0.029
273	0.03
274	0.028
275	0.029
276	0.031
277	0.03
278	0.029
279	0.03
280	0.029
281	0.029
282	0.029
283	0.03
284	0.03
285	0.032
286	0.03
287	0.03
288	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

289	0.031
290	0.03
291	0.031
292	0.029
293	0.03
294	0.031
295	0.031
296	0.03
297	0.029
298	0.03
299	0.031
300	0.031
301	0.03
302	0.029
303	0.029
304	0.029
305	0.03
306	0.029
307	0.031
308	0.03
309	0.029
310	0.028
311	0.027
312	0.027
313	0.028
314	0.03
315	0.03
316	0.03
317	0.028
318	0.027
319	0.029
320	0.028
321	0.029
322	0.028
323	0.029
324	0.031
325	0.029
326	0.029
327	0.03
328	0.029
329	0.029
330	0.031
331	0.032
332	0.031
333	0.032
334	0.03
335	0.029
336	0.03

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

337	0.031
338	0.031
339	0.032
340	0.032
341	0.03
342	0.029
343	0.029
344	0.03
345	0.029
346	0.031
347	0.033
348	0.032
349	0.031
350	0.029
351	0.031
352	0.031
353	0.029
354	0.03
355	0.031
356	0.031
357	0.029
358	0.029
359	0.029
360	0.031
361	0.031
362	0.029
363	0.03
364	0.03
365	0.03
366	0.03
367	0.03
368	0.028
369	0.029
370	0.029
371	0.03
372	0.03
373	0.03
374	0.03
375	0.029
376	0.028
377	0.03
378	0.03
379	0.029
380	0.029
381	0.031
382	0.032
383	0.03
384	0.03

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

385	0.03
386	0.033
387	0.031
388	0.029
389	0.03
390	0.03
391	0.031
392	0.03
393	0.028
394	0.029
395	0.03
396	0.03
397	0.031
398	0.03
399	0.029
400	0.03
401	0.032
402	0.031
403	0.03
404	0.031
405	0.031
406	0.03
407	0.03
408	0.031
409	0.031
410	0.03
411	0.031
412	0.031
413	0.031
414	0.031
415	0.032
416	0.031
417	0.03
418	0.029
419	0.032
420	0.034
421	0.03
422	0.031
423	0.03
424	0.03
425	0.031
426	0.031
427	0.029
428	0.03
429	0.029
430	0.031
431	0.032
432	0.03

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

433	0.031
434	0.033
435	0.031
436	0.03
437	0.031
438	0.031
439	0.031
440	0.031
441	0.03
442	0.03
443	0.031
444	0.029
445	0.031
446	0.033
447	0.032
448	0.03
449	0.029
450	0.03
451	0.031
452	0.032
453	0.031
454	0.031
455	0.032
456	0.031
457	0.031
458	0.03
459	0.032
460	0.031
461	0.029
462	0.031
463	0.032
464	0.032
465	0.032
466	0.03
467	0.03
468	0.029
469	0.03
470	0.03
471	0.032
472	0.035
473	0.031
474	0.031
475	0.033
476	0.032
477	0.032
478	0.032
479	0.034
480	0.032

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

481	0.032
482	0.031
483	0.031
484	0.032
485	0.031
486	0.031
487	0.031
488	0.031
489	0.032
490	0.033
491	0.032
492	0.032
493	0.032
494	0.031
495	0.032
496	0.031
497	0.031
498	0.031
499	0.031
500	0.031
501	0.03
502	0.03
503	0.032
504	0.032
505	0.029
506	0.03
507	0.032
508	0.031
509	0.031
510	0.031
511	0.031
512	0.03
513	0.032
514	0.033
515	0.03
516	0.029
517	0.031
518	0.032
519	0.031
520	0.03
521	0.03
522	0.031
523	0.031
524	0.03
525	0.03
526	0.031
527	0.031
528	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

529	0.031
530	0.03
531	0.03
532	0.03
533	0.031
534	0.032
535	0.03
536	0.032
537	0.033
538	0.033
539	0.033
540	0.034
541	0.031
542	0.03
543	0.031
544	0.029
545	0.03
546	0.03
547	0.029
548	0.03
549	0.031
550	0.032
551	0.032
552	0.033
553	0.032
554	0.031
555	0.032
556	0.033
557	0.032
558	0.032
559	0.031
560	0.031
561	0.031
562	0.029
563	0.029
564	0.029
565	0.03
566	0.031
567	0.032
568	0.032
569	0.031
570	0.03
571	0.03
572	0.03
573	0.031
574	0.03
575	0.03
576	0.03

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

577	0.03
578	0.031
579	0.029
580	0.029
581	0.031
582	0.031
583	0.029
584	0.029
585	0.029
586	0.031
587	0.032
588	0.032
589	0.031
590	0.03
591	0.031
592	0.032
593	0.032
594	0.03
595	0.029
596	0.03
597	0.03
598	0.03
599	0.028
600	0.03
601	0.03
602	0.029
603	0.029
604	0.029
605	0.029
606	0.031
607	0.031
608	0.03
609	0.032
610	0.032
611	0.031
612	0.03
613	0.028
614	0.03
615	0.03
616	0.03
617	0.03
618	0.03
619	0.029
620	0.03
621	0.03
622	0.03
623	0.031
624	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

625	0.03
626	0.03
627	0.03
628	0.03
629	0.031
630	0.03
631	0.031
632	0.031
633	0.031
634	0.03
635	0.031
636	0.03
637	0.031
638	0.031
639	0.032
640	0.031
641	0.031
642	0.032
643	0.031
644	0.03
645	0.031
646	0.032
647	0.031
648	0.03
649	0.031
650	0.032
651	0.032
652	0.032
653	0.031
654	0.031
655	0.03
656	0.031
657	0.03
658	0.03
659	0.032
660	0.032
661	0.031
662	0.032
663	0.031
664	0.03
665	0.031
666	0.031
667	0.031
668	0.031
669	0.031
670	0.033
671	0.032
672	0.035

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

673	0.035
674	0.029
675	0.029
676	0.029
677	0.03
678	0.03
679	0.031
680	0.032
681	0.03
682	0.032
683	0.031
684	0.03
685	0.031
686	0.032
687	0.03
688	0.029
689	0.03
690	0.033
691	0.029
692	0.03
693	0.031
694	0.031
695	0.029
696	0.03
697	0.031
698	0.03
699	0.03
700	0.031
701	0.03
702	0.031
703	0.031
704	0.031
705	0.03
706	0.03
707	0.031
708	0.031
709	0.031
710	0.028
711	0.031
712	0.032
713	0.03
714	0.03
715	0.031
716	0.03
717	0.03
718	0.031
719	0.03
720	0.03

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

721	0.03
722	0.032
723	0.03
724	0.031
725	0.031
726	0.03
727	0.029
728	0.028
729	0.029
730	0.029
731	0.029
732	0.031
733	0.031
734	0.03
735	0.031
736	0.029
737	0.028
738	0.029
739	0.03
740	0.03
741	0.031
742	0.029
743	0.029
744	0.028
745	0.028
746	0.03
747	0.028
748	0.029
749	0.028
750	0.028
751	0.028
752	0.028
753	0.03
754	0.032
755	0.03
756	0.03
757	0.03
758	0.029
759	0.029
760	0.029
761	0.029
762	0.028
763	0.029
764	0.029
765	0.028
766	0.028
767	0.027
768	0.028

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

769	0.03
770	0.029
771	0.03
772	0.03
773	0.029
774	0.029
775	0.029
776	0.028
777	0.03
778	0.03
779	0.03
780	0.03
781	0.03
782	0.029
783	0.029
784	0.029
785	0.029
786	0.028
787	0.03
788	0.03
789	0.029
790	0.029
791	0.029
792	0.029
793	0.03
794	0.03
795	0.03
796	0.03
797	0.029
798	0.029
799	0.03
800	0.03
801	0.031
802	0.031
803	0.03
804	0.028
805	0.03
806	0.03
807	0.029
808	0.031
809	0.029
810	0.029
811	0.029
812	0.029
813	0.03
814	0.029
815	0.03
816	0.03

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

817	0.028
818	0.029
819	0.028
820	0.028
821	0.028
822	0.029
823	0.029
824	0.03
825	0.028
826	0.029
827	0.029
828	0.031
829	0.032
830	0.029
831	0.028
832	0.028
833	0.031
834	0.031
835	0.031
836	0.033
837	0.033
838	0.029
839	0.029
840	0.029
841	0.028
842	0.03
843	0.03
844	0.028
845	0.029
846	0.031
847	0.029
848	0.028
849	0.03
850	0.032
851	0.031
852	0.03
853	0.03
854	0.028
855	0.029
856	0.029
857	0.029
858	0.029
859	0.03
860	0.029
861	0.029
862	0.029
863	0.03
864	0.029

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

865	0.029
866	0.029
867	0.03
868	0.031
869	0.03
870	0.028
871	0.028
872	0.03
873	0.031
874	0.029
875	0.029
876	0.029
877	0.03
878	0.03
879	0.029
880	0.029
881	0.029
882	0.03
883	0.029
884	0.031
885	0.03
886	0.03
887	0.029
888	0.029
889	0.03
890	0.03
891	0.03
892	0.03
893	0.031
894	0.028
895	0.029
896	0.028
897	0.028
898	0.03
899	0.031
900	0.028
901	0.028
902	0.029
903	0.029
904	0.028
905	0.029
906	0.029
907	0.03
908	0.03
909	0.029
910	0.029
911	0.03
912	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

913	0.03
914	0.032
915	0.032
916	0.03
917	0.031
918	0.029
919	0.03
920	0.031
921	0.03
922	0.029
923	0.03
924	0.03
925	0.03
926	0.032
927	0.029
928	0.031
929	0.031
930	0.03
931	0.03
932	0.032
933	0.031
934	0.031
935	0.03
936	0.031
937	0.031
938	0.03
939	0.03
940	0.029
941	0.029
942	0.031
943	0.031
944	0.03
945	0.031
946	0.033
947	0.031
948	0.029
949	0.029
950	0.03
951	0.029
952	0.029
953	0.029
954	0.03
955	0.031
956	0.031
957	0.03
958	0.029
959	0.03
960	0.03

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

961	0.03
962	0.031
963	0.029
964	0.029
965	0.031
966	0.03
967	0.031
968	0.033
969	0.03
970	0.03
971	0.031
972	0.032
973	0.031
974	0.031
975	0.03
976	0.03
977	0.03
978	0.029
979	0.031
980	0.031
981	0.03
982	0.029
983	0.031
984	0.032
985	0.033
986	0.031
987	0.031
988	0.03
989	0.029
990	0.03
991	0.03
992	0.03
993	0.029
994	0.028
995	0.028
996	0.03
997	0.032
998	0.03
999	0.031
1000	0.031
1001	0.028
1002	0.031
1003	0.031
1004	0.03
1005	0.031
1006	0.032
1007	0.033
1008	0.034

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

1009	0.054
1010	0.057
1011	0.03
1012	0.031
1013	0.031
1014	0.032
1015	0.031
1016	0.03
1017	0.032
1018	0.031
1019	0.03
1020	0.032
1021	0.032
1022	0.032
1023	0.032
1024	0.031
1025	0.032
1026	0.031
1027	0.03
1028	0.03
1029	0.031
1030	0.033
1031	0.034
1032	0.032
1033	0.031
1034	0.032
1035	0.032
1036	0.031
1037	0.031
1038	0.032
1039	0.033
1040	0.032
1041	0.03
1042	0.031
1043	0.031
1044	0.031
1045	0.031
1046	0.032
1047	0.032
1048	0.032
1049	0.031
1050	0.03
1051	0.031
1052	0.032
1053	0.033
1054	0.031
1055	0.031
1056	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

1057	0.031
1058	0.034
1059	0.032
1060	0.03
1061	0.031
1062	0.031
1063	0.03
1064	0.03
1065	0.031
1066	0.031
1067	0.03
1068	0.033
1069	0.033
1070	0.032
1071	0.032
1072	0.032
1073	0.032
1074	0.032
1075	0.03
1076	0.031
1077	0.032
1078	0.031
1079	0.03
1080	0.03
1081	0.029
1082	0.03
1083	0.03
1084	0.031
1085	0.032
1086	0.031
1087	0.032
1088	0.031
1089	0.031
1090	0.031
1091	0.031
1092	0.032
1093	0.031
1094	0.031
1095	0.032
1096	0.03
1097	0.03
1098	0.031
1099	0.031
1100	0.032
1101	0.032
1102	0.033
1103	0.033
1104	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

1105	0.03
1106	0.031
1107	0.031
1108	0.032
1109	0.032
1110	0.03
1111	0.03
1112	0.031
1113	0.03
1114	0.03
1115	0.03
1116	0.031
1117	0.032
1118	0.032
1119	0.031
1120	0.03
1121	0.03
1122	0.033
1123	0.031
1124	0.03
1125	0.03
1126	0.031
1127	0.031
1128	0.03
1129	0.03
1130	0.031
1131	0.031
1132	0.03
1133	0.031
1134	0.032
1135	0.031
1136	0.03
1137	0.03
1138	0.032
1139	0.034
1140	0.031
1141	0.032
1142	0.03
1143	0.03
1144	0.031
1145	0.031
1146	0.031
1147	0.033
1148	0.031
1149	0.029
1150	0.031
1151	0.032
1152	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

1153	0.031
1154	0.031
1155	0.03
1156	0.031
1157	0.03
1158	0.03
1159	0.033
1160	0.034
1161	0.032
1162	0.031
1163	0.03
1164	0.03
1165	0.031
1166	0.03
1167	0.029
1168	0.029
1169	0.031
1170	0.032
1171	0.032
1172	0.032
1173	0.031
1174	0.032
1175	0.03
1176	0.029
1177	0.03
1178	0.03
1179	0.03
1180	0.029
1181	0.03
1182	0.031
1183	0.031
1184	0.029
1185	0.029
1186	0.032
1187	0.032
1188	0.032
1189	0.03
1190	0.031
1191	0.032
1192	0.032
1193	0.03
1194	0.03
1195	0.031
1196	0.034
1197	0.033
1198	0.032
1199	0.033
1200	0.032

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

1201	0.034
1202	0.032
1203	0.031
1204	0.032
1205	0.031
1206	0.031
1207	0.032
1208	0.03
1209	0.03
1210	0.029
1211	0.028
1212	0.029
1213	0.029
1214	0.029
1215	0.028
1216	0.03
1217	0.03
1218	0.029
1219	0.03
1220	0.03
1221	0.031
1222	0.033
1223	0.032
1224	0.031
1225	0.031
1226	0.03
1227	0.029
1228	0.029
1229	0.029
1230	0.03
1231	0.033
1232	0.034
1233	0.032
1234	0.032
1235	0.032
1236	0.032
1237	0.032
1238	0.033
1239	0.032
1240	0.029
1241	0.031
1242	0.03
1243	0.03
1244	0.035
1245	0.036
1246	0.034
1247	0.033
1248	0.032

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

1249	0.037
1250	0.047
1251	0.045
1252	0.044
1253	0.044
1254	0.038
1255	0.036
1256	0.034
1257	0.035
1258	0.034
1259	0.033
1260	0.032
1261	0.031
1262	0.031
1263	0.03
1264	0.03
1265	0.03
1266	0.031
1267	0.032
1268	0.03
1269	0.029
1270	0.03
1271	0.03
1272	0.031
1273	0.032
1274	0.031
1275	0.031
1276	0.032
1277	0.032
1278	0.035
1279	0.037
1280	0.037
1281	0.035
1282	0.036
1283	0.036
1284	0.036
1285	0.038
1286	0.035
1287	0.035
1288	0.035
1289	0.033
1290	0.033
1291	0.032
1292	0.031
1293	0.03
1294	0.031
1295	0.03
1296	0.03

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

1297	0.033
1298	0.032
1299	0.031
1300	0.031
1301	0.031
1302	0.031
1303	0.03
1304	0.032
1305	0.032
1306	0.033
1307	0.033
1308	0.031
1309	0.03
1310	0.03
1311	0.03
1312	0.031
1313	0.032
1314	0.033
1315	0.032
1316	0.033
1317	0.032
1318	0.029
1319	0.03
1320	0.029
1321	0.029
1322	0.031
1323	0.033
1324	0.031
1325	0.034
1326	0.033
1327	0.031
1328	0.03
1329	0.033
1330	0.036
1331	0.035
1332	0.038
1333	0.042
1334	0.044
1335	0.043
1336	0.04
1337	0.036
1338	0.035
1339	0.032
1340	0.031
1341	0.032
1342	0.032
1343	0.033
1344	0.034

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

1345	0.031
1346	0.031
1347	0.032
1348	0.032
1349	0.032
1350	0.032
1351	0.032
1352	0.03
1353	0.031
1354	0.031
1355	0.031
1356	0.033
1357	0.032
1358	0.032
1359	0.032
1360	0.031
1361	0.032
1362	0.032
1363	0.032
1364	0.033
1365	0.031
1366	0.032
1367	0.032
1368	0.03
1369	0.031
1370	0.032
1371	0.032
1372	0.032
1373	0.033
1374	0.033
1375	0.032
1376	0.032
1377	0.034
1378	0.034
1379	0.033
1380	0.032
1381	0.033
1382	0.035
1383	0.035
1384	0.037
1385	0.037
1386	0.035
1387	0.035
1388	0.034
1389	0.035
1390	0.037
1391	0.035
1392	0.032

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

1393	0.033
1394	0.034
1395	0.034
1396	0.034
1397	0.034
1398	0.034
1399	0.034
1400	0.035
1401	0.034
1402	0.035
1403	0.035
1404	0.032
1405	0.032
1406	0.033
1407	0.031
1408	0.032
1409	0.031
1410	0.031
1411	0.031
1412	0.031
1413	0.03
1414	0.031
1415	0.03
1416	0.029
1417	0.029
1418	0.029
1419	0.029
1420	0.031
1421	0.031
1422	0.03
1423	0.031
1424	0.031
1425	0.03
1426	0.028
1427	0.03
1428	0.031
1429	0.028
1430	0.029
1431	0.029
1432	0.029
1433	0.03
1434	0.03
1435	0.031
1436	0.029
1437	0.028
1438	0.029
1439	0.03
1440	0.03

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

1441	0.031
1442	0.028
1443	0.029
1444	0.03
1445	0.031
1446	0.03
1447	0.029
1448	0.03
1449	0.03
1450	0.029
1451	0.03
1452	0.029
1453	0.028
1454	0.029
1455	0.029
1456	0.029
1457	0.03
1458	0.029
1459	0.029
1460	0.031
1461	0.03
1462	0.029
1463	0.028
1464	0.029
1465	0.028
1466	0.03
1467	0.031
1468	0.03
1469	0.029
1470	0.029
1471	0.029
1472	0.029
1473	0.029
1474	0.029
1475	0.031
1476	0.031
1477	0.029
1478	0.029
1479	0.028
1480	0.029
1481	0.03
1482	0.029
1483	0.028
1484	0.029
1485	0.031
1486	0.03
1487	0.03
1488	0.03

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

1489	0.03
1490	0.029
1491	0.032
1492	0.032
1493	0.031
1494	0.03
1495	0.029
1496	0.03
1497	0.031
1498	0.03
1499	0.03
1500	0.03
1501	0.031
1502	0.03
1503	0.03
1504	0.03
1505	0.032
1506	0.032
1507	0.031
1508	0.03
1509	0.029
1510	0.031
1511	0.033
1512	0.032
1513	0.031
1514	0.031
1515	0.031
1516	0.031
1517	0.032
1518	0.031
1519	0.03
1520	0.03
1521	0.032
1522	0.033
1523	0.032
1524	0.029
1525	0.029
1526	0.029
1527	0.029
1528	0.03
1529	0.029
1530	0.03
1531	0.031
1532	0.031
1533	0.032
1534	0.032
1535	0.031
1536	0.032

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

1537	0.031
1538	0.032
1539	0.032
1540	0.032
1541	0.032
1542	0.032
1543	0.031
1544	0.03
1545	0.031
1546	0.031
1547	0.03
1548	0.03
1549	0.03
1550	0.03
1551	0.031
1552	0.034
1553	0.034
1554	0.032
1555	0.032
1556	0.03
1557	0.029
1558	0.029
1559	0.031
1560	0.031
1561	0.033
1562	0.033
1563	0.031
1564	0.031
1565	0.031
1566	0.03
1567	0.031
1568	0.032
1569	0.03
1570	0.031
1571	0.03
1572	0.03
1573	0.029
1574	0.031
1575	0.03
1576	0.029
1577	0.032
1578	0.03
1579	0.029
1580	0.03
1581	0.031
1582	0.033
1583	0.03
1584	0.028

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

1585	0.03
1586	0.031
1587	0.031
1588	0.032
1589	0.032
1590	0.032
1591	0.03
1592	0.03
1593	0.03
1594	0.031
1595	0.03
1596	0.032
1597	0.031
1598	0.03
1599	0.03
1600	0.029
1601	0.029
1602	0.029
1603	0.03
1604	0.031
1605	0.03
1606	0.03
1607	0.03
1608	0.029
1609	0.03
1610	0.031
1611	0.034
1612	0.031
1613	0.03
1614	0.03
1615	0.031
1616	0.031
1617	0.031
1618	0.031
1619	0.029
1620	0.029
1621	0.029
1622	0.032
1623	0.032
1624	0.029
1625	0.029
1626	0.032
1627	0.03
1628	0.031
1629	0.032
1630	0.032
1631	0.033
1632	0.033

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

1633	0.032
1634	0.03
1635	0.031
1636	0.031
1637	0.03
1638	0.029
1639	0.029
1640	0.029
1641	0.031
1642	0.033
1643	0.032
1644	0.031
1645	0.031
1646	0.029
1647	0.029
1648	0.029
1649	0.03
1650	0.03
1651	0.029
1652	0.029
1653	0.03
1654	0.03
1655	0.031
1656	0.032
1657	0.031
1658	0.03
1659	0.031
1660	0.031
1661	0.03
1662	0.031
1663	0.031
1664	0.03
1665	0.031
1666	0.034
1667	0.031
1668	0.03
1669	0.03
1670	0.029
1671	0.029
1672	0.029
1673	0.028
1674	0.03
1675	0.03
1676	0.028
1677	0.029
1678	0.031
1679	0.03
1680	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

1681	0.03
1682	0.032
1683	0.032
1684	0.031
1685	0.03
1686	0.029
1687	0.029
1688	0.032
1689	0.031
1690	0.03
1691	0.031
1692	0.03
1693	0.031
1694	0.032
1695	0.031
1696	0.031
1697	0.029
1698	0.031
1699	0.032
1700	0.031
1701	0.03
1702	0.031
1703	0.03
1704	0.031
1705	0.033
1706	0.034
1707	0.032
1708	0.03
1709	0.031
1710	0.033
1711	0.03
1712	0.031
1713	0.031
1714	0.031
1715	0.031
1716	0.029
1717	0.03
1718	0.029
1719	0.03
1720	0.03
1721	0.03
1722	0.032
1723	0.031
1724	0.03
1725	0.03
1726	0.03
1727	0.03
1728	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

1729	0.032
1730	0.033
1731	0.032
1732	0.032
1733	0.032
1734	0.033
1735	0.033
1736	0.032
1737	0.032
1738	0.032
1739	0.032
1740	0.032
1741	0.029
1742	0.03
1743	0.032
1744	0.031
1745	0.031
1746	0.031
1747	0.032
1748	0.031
1749	0.034
1750	0.033
1751	0.031
1752	0.031
1753	0.03
1754	0.03
1755	0.031
1756	0.031
1757	0.033
1758	0.032
1759	0.03
1760	0.031
1761	0.031
1762	0.03
1763	0.031
1764	0.031
1765	0.031
1766	0.033
1767	0.03
1768	0.03
1769	0.03
1770	0.031
1771	0.03
1772	0.03
1773	0.03
1774	0.032
1775	0.032
1776	0.03

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

1777	0.03
1778	0.03
1779	0.032
1780	0.032
1781	0.03
1782	0.031
1783	0.031
1784	0.031
1785	0.03
1786	0.029
1787	0.03
1788	0.031
1789	0.032
1790	0.031
1791	0.031
1792	0.033
1793	0.033
1794	0.032
1795	0.035
1796	0.034
1797	0.032
1798	0.032
1799	0.032
1800	0.031
1801	0.031
1802	0.031
1803	0.031
1804	0.03
1805	0.031
1806	0.03
1807	0.031
1808	0.031
1809	0.029
1810	0.031
1811	0.029
1812	0.029
1813	0.03
1814	0.029
1815	0.032
1816	0.032
1817	0.03
1818	0.031
1819	0.031
1820	0.03
1821	0.03
1822	0.03
1823	0.029
1824	0.029

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

1825	0.031
1826	0.033
1827	0.03
1828	0.03
1829	0.03
1830	0.029
1831	0.029
1832	0.03
1833	0.03
1834	0.031
1835	0.032
1836	0.03
1837	0.03
1838	0.029
1839	0.03
1840	0.029
1841	0.029
1842	0.031
1843	0.03
1844	0.033
1845	0.032
1846	0.029
1847	0.031
1848	0.03
1849	0.03
1850	0.031
1851	0.03
1852	0.03
1853	0.031
1854	0.03
1855	0.029
1856	0.029
1857	0.029
1858	0.031
1859	0.03
1860	0.03
1861	0.03
1862	0.03
1863	0.031
1864	0.03
1865	0.03
1866	0.029
1867	0.029
1868	0.03
1869	0.03
1870	0.031
1871	0.029
1872	0.029

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

1873	0.031
1874	0.033
1875	0.031
1876	0.03
1877	0.03
1878	0.03
1879	0.031
1880	0.03
1881	0.031
1882	0.031
1883	0.031
1884	0.031
1885	0.03
1886	0.029
1887	0.03
1888	0.03
1889	0.031
1890	0.032
1891	0.031
1892	0.03
1893	0.031
1894	0.03
1895	0.031
1896	0.029
1897	0.029
1898	0.029
1899	0.03
1900	0.032
1901	0.031
1902	0.03
1903	0.031
1904	0.03
1905	0.031
1906	0.03
1907	0.03
1908	0.03
1909	0.03
1910	0.029
1911	0.029
1912	0.029
1913	0.03
1914	0.03
1915	0.03
1916	0.032
1917	0.032
1918	0.03
1919	0.03
1920	0.03

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

1921	0.03
1922	0.031
1923	0.03
1924	0.031
1925	0.03
1926	0.03
1927	0.03
1928	0.03
1929	0.03
1930	0.032
1931	0.031
1932	0.031
1933	0.03
1934	0.03
1935	0.03
1936	0.03
1937	0.031
1938	0.031
1939	0.032
1940	0.03
1941	0.031
1942	0.032
1943	0.031
1944	0.03
1945	0.03
1946	0.03
1947	0.03
1948	0.03
1949	0.03
1950	0.031
1951	0.03
1952	0.029
1953	0.03
1954	0.032
1955	0.031
1956	0.03
1957	0.03
1958	0.03
1959	0.03
1960	0.032
1961	0.031
1962	0.029
1963	0.029
1964	0.031
1965	0.031
1966	0.031
1967	0.029
1968	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

1969	0.03
1970	0.03
1971	0.03
1972	0.03
1973	0.032
1974	0.031
1975	0.03
1976	0.03
1977	0.031
1978	0.033
1979	0.03
1980	0.032
1981	0.031
1982	0.029
1983	0.028
1984	0.029
1985	0.032
1986	0.031
1987	0.03
1988	0.03
1989	0.029
1990	0.029
1991	0.03
1992	0.03
1993	0.029
1994	0.031
1995	0.031
1996	0.035
1997	0.036
1998	0.032
1999	0.033
2000	0.031
2001	0.031
2002	0.032
2003	0.03
2004	0.031
2005	0.032
2006	0.031
2007	0.032
2008	0.032
2009	0.032
2010	0.03
2011	0.029
2012	0.03
2013	0.03
2014	0.03
2015	0.031
2016	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

2017	0.032
2018	0.03
2019	0.028
2020	0.03
2021	0.029
2022	0.029
2023	0.031
2024	0.029
2025	0.03
2026	0.031
2027	0.031
2028	0.029
2029	0.029
2030	0.03
2031	0.03
2032	0.03
2033	0.03
2034	0.032
2035	0.031
2036	0.03
2037	0.03
2038	0.03
2039	0.031
2040	0.03
2041	0.029
2042	0.03
2043	0.032
2044	0.031
2045	0.029
2046	0.03
2047	0.029
2048	0.031
2049	0.032
2050	0.03
2051	0.032
2052	0.032
2053	0.032
2054	0.032
2055	0.031
2056	0.032
2057	0.032
2058	0.031
2059	0.033
2060	0.032
2061	0.031
2062	0.03
2063	0.031
2064	0.032

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

2065	0.03
2066	0.029
2067	0.03
2068	0.032
2069	0.032
2070	0.039
2071	0.053
2072	0.029
2073	0.03
2074	0.031
2075	0.032
2076	0.031
2077	0.031
2078	0.031
2079	0.029
2080	0.053
2081	0.059
2082	0.031
2083	0.031
2084	0.03
2085	0.029
2086	0.03
2087	0.03
2088	0.03
2089	0.029
2090	0.031
2091	0.031
2092	0.031
2093	0.031
2094	0.031
2095	0.031
2096	0.03
2097	0.031
2098	0.031
2099	0.03
2100	0.031
2101	0.032
2102	0.032
2103	0.03
2104	0.03
2105	0.029
2106	0.03
2107	0.03
2108	0.029
2109	0.029
2110	0.029
2111	0.029
2112	0.029

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

2113	0.029
2114	0.031
2115	0.032
2116	0.032
2117	0.033
2118	0.032
2119	0.032
2120	0.029
2121	0.03
2122	0.032
2123	0.029
2124	0.031
2125	0.03
2126	0.029
2127	0.03
2128	0.031
2129	0.031
2130	0.03
2131	0.03
2132	0.03
2133	0.03
2134	0.03
2135	0.03
2136	0.029
2137	0.03
2138	0.031
2139	0.031
2140	0.032
2141	0.03
2142	0.029
2143	0.03
2144	0.03
2145	0.031
2146	0.031
2147	0.029
2148	0.031
2149	0.032
2150	0.032
2151	0.03
2152	0.03
2153	0.031
2154	0.03
2155	0.03
2156	0.031
2157	0.032
2158	0.031
2159	0.032
2160	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

2161	0.031
2162	0.031
2163	0.03
2164	0.032
2165	0.032
2166	0.031
2167	0.031
2168	0.03
2169	0.031
2170	0.032
2171	0.032
2172	0.031
2173	0.03
2174	0.031
2175	0.031
2176	0.032
2177	0.031
2178	0.03
2179	0.029
2180	0.031
2181	0.032
2182	0.031
2183	0.032
2184	0.034
2185	0.035
2186	0.033
2187	0.033
2188	0.032
2189	0.032
2190	0.032
2191	0.031
2192	0.031
2193	0.031
2194	0.03
2195	0.03
2196	0.031
2197	0.032
2198	0.032
2199	0.032
2200	0.031
2201	0.031
2202	0.031
2203	0.032
2204	0.031
2205	0.03
2206	0.03
2207	0.03
2208	0.03

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

2209	0.031
2210	0.031
2211	0.031
2212	0.031
2213	0.031
2214	0.032
2215	0.031
2216	0.032
2217	0.03
2218	0.031
2219	0.031
2220	0.031
2221	0.032
2222	0.031
2223	0.03
2224	0.032
2225	0.033
2226	0.034
2227	0.031
2228	0.032
2229	0.033
2230	0.032
2231	0.032
2232	0.03
2233	0.03
2234	0.03
2235	0.03
2236	0.031
2237	0.032
2238	0.033
2239	0.035
2240	0.032
2241	0.031
2242	0.032
2243	0.034
2244	0.032
2245	0.031
2246	0.032
2247	0.033
2248	0.031
2249	0.03
2250	0.031
2251	0.032
2252	0.033
2253	0.032
2254	0.032
2255	0.032
2256	0.032

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

2257	0.032
2258	0.031
2259	0.032
2260	0.032
2261	0.033
2262	0.032
2263	0.031
2264	0.031
2265	0.032
2266	0.032
2267	0.031
2268	0.032
2269	0.034
2270	0.034
2271	0.031
2272	0.031
2273	0.032
2274	0.031
2275	0.03
2276	0.031
2277	0.031
2278	0.03
2279	0.031
2280	0.03
2281	0.029
2282	0.031
2283	0.031
2284	0.031
2285	0.03
2286	0.03
2287	0.031
2288	0.03
2289	0.031
2290	0.031
2291	0.031
2292	0.031
2293	0.029
2294	0.029
2295	0.029
2296	0.03
2297	0.032
2298	0.031
2299	0.031
2300	0.031
2301	0.03
2302	0.028
2303	0.03
2304	0.03

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

2305	0.031
2306	0.031
2307	0.03
2308	0.031
2309	0.031
2310	0.029
2311	0.031
2312	0.031
2313	0.03
2314	0.03
2315	0.032
2316	0.03
2317	0.032
2318	0.033
2319	0.033
2320	0.03
2321	0.031
2322	0.032
2323	0.031
2324	0.032
2325	0.032
2326	0.031
2327	0.029
2328	0.029
2329	0.031
2330	0.032
2331	0.03
2332	0.03
2333	0.03
2334	0.03
2335	0.029
2336	0.031
2337	0.03
2338	0.029
2339	0.031
2340	0.03
2341	0.031
2342	0.03
2343	0.029
2344	0.03
2345	0.032
2346	0.031
2347	0.03
2348	0.031
2349	0.032
2350	0.031
2351	0.03
2352	0.032

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

2353	0.031
2354	0.03
2355	0.03
2356	0.031
2357	0.032
2358	0.031
2359	0.032
2360	0.031
2361	0.031
2362	0.032
2363	0.031
2364	0.032
2365	0.031
2366	0.031
2367	0.031
2368	0.032
2369	0.033
2370	0.032
2371	0.031
2372	0.031
2373	0.03
2374	0.032
2375	0.032
2376	0.033
2377	0.03
2378	0.03
2379	0.032
2380	0.032
2381	0.032
2382	0.033
2383	0.033
2384	0.031
2385	0.029
2386	0.031
2387	0.031
2388	0.031
2389	0.031
2390	0.029
2391	0.031
2392	0.032
2393	0.03
2394	0.03
2395	0.031
2396	0.031
2397	0.031
2398	0.031
2399	0.031
2400	0.032

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

2401	0.032
2402	0.031
2403	0.031
2404	0.032
2405	0.032
2406	0.031
2407	0.031
2408	0.032
2409	0.033
2410	0.032
2411	0.031
2412	0.033
2413	0.032
2414	0.032
2415	0.032
2416	0.033
2417	0.032
2418	0.032
2419	0.032
2420	0.032
2421	0.034
2422	0.032
2423	0.033
2424	0.033
2425	0.031
2426	0.033
2427	0.033
2428	0.033
2429	0.033
2430	0.033
2431	0.032
2432	0.032
2433	0.033
2434	0.032
2435	0.033
2436	0.033
2437	0.034
2438	0.035
2439	0.034
2440	0.034
2441	0.033
2442	0.032
2443	0.032
2444	0.032
2445	0.033
2446	0.034
2447	0.034
2448	0.033

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

2449	0.033
2450	0.033
2451	0.035
2452	0.035
2453	0.033
2454	0.033
2455	0.032
2456	0.032
2457	0.032
2458	0.034
2459	0.033
2460	0.034
2461	0.034
2462	0.032
2463	0.03
2464	0.031
2465	0.032
2466	0.031
2467	0.03
2468	0.031
2469	0.032
2470	0.033
2471	0.031
2472	0.032
2473	0.031
2474	0.031
2475	0.031
2476	0.03
2477	0.029
2478	0.031
2479	0.032
2480	0.031
2481	0.031
2482	0.03
2483	0.03
2484	0.031
2485	0.032
2486	0.03
2487	0.029
2488	0.029
2489	0.028
2490	0.028
2491	0.03
2492	0.031
2493	0.031
2494	0.03
2495	0.032
2496	0.033

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

2497	0.031
2498	0.03
2499	0.03
2500	0.032
2501	0.03
2502	0.03
2503	0.03
2504	0.033
2505	0.032
2506	0.033
2507	0.034
2508	0.032
2509	0.032
2510	0.034
2511	0.035
2512	0.035
2513	0.033
2514	0.032
2515	0.032
2516	0.031
2517	0.031
2518	0.034
2519	0.032
2520	0.031
2521	0.032
2522	0.032
2523	0.033
2524	0.035
2525	0.035
2526	0.039
2527	0.04
2528	0.035
2529	0.035
2530	0.038
2531	0.041
2532	0.041
2533	0.039
2534	0.04
2535	0.041
2536	0.04
2537	0.039
2538	0.039
2539	0.041
2540	0.041
2541	0.043
2542	0.044
2543	0.044
2544	0.044

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

2545	0.045
2546	0.043
2547	0.047
2548	0.046
2549	0.041
2550	0.041
2551	0.041
2552	0.041
2553	0.04
2554	0.042
2555	0.041
2556	0.039
2557	0.041
2558	0.043
2559	0.041
2560	0.043
2561	0.043
2562	0.044
2563	0.044
2564	0.043
2565	0.042
2566	0.042
2567	0.043
2568	0.044
2569	0.042
2570	0.041
2571	0.044
2572	0.046
2573	0.044
2574	0.044
2575	0.046
2576	0.045
2577	0.043
2578	0.043
2579	0.045
2580	0.045
2581	0.044
2582	0.044
2583	0.044
2584	0.044
2585	0.043
2586	0.044
2587	0.044
2588	0.045
2589	0.044
2590	0.045
2591	0.045
2592	0.045

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

2593	0.047
2594	0.046
2595	0.044
2596	0.045
2597	0.045
2598	0.046
2599	0.044
2600	0.042
2601	0.044
2602	0.061
2603	0.066
2604	0.045
2605	0.043
2606	0.043
2607	0.045
2608	0.045
2609	0.043
2610	0.043
2611	0.044
2612	0.042
2613	0.043
2614	0.044
2615	0.042
2616	0.042
2617	0.043
2618	0.042
2619	0.04
2620	0.043
2621	0.042
2622	0.039
2623	0.039
2624	0.039
2625	0.039
2626	0.039
2627	0.039
2628	0.039
2629	0.04
2630	0.043
2631	0.044
2632	0.04
2633	0.038
2634	0.037
2635	0.039
2636	0.041
2637	0.041
2638	0.043
2639	0.042
2640	0.039

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

2641	0.037
2642	0.038
2643	0.039
2644	0.041
2645	0.04
2646	0.04
2647	0.04
2648	0.039
2649	0.039
2650	0.038
2651	0.041
2652	0.042
2653	0.043
2654	0.041
2655	0.042
2656	0.043
2657	0.045
2658	0.043
2659	0.044
2660	0.043
2661	0.044
2662	0.045
2663	0.045
2664	0.043
2665	0.042
2666	0.041
2667	0.039
2668	0.039
2669	0.041
2670	0.041
2671	0.04
2672	0.04
2673	0.041
2674	0.043
2675	0.046
2676	0.045
2677	0.044
2678	0.045
2679	0.047
2680	0.043
2681	0.036
2682	0.041
2683	0.04
2684	0.038
2685	0.036
2686	0.035
2687	0.037
2688	0.036

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

2689	0.035
2690	0.036
2691	0.036
2692	0.035
2693	0.036
2694	0.036
2695	0.036
2696	0.036
2697	0.036
2698	0.036
2699	0.034
2700	0.035
2701	0.034
2702	0.035
2703	0.035
2704	0.035
2705	0.036
2706	0.036
2707	0.036
2708	0.036
2709	0.034
2710	0.033
2711	0.034
2712	0.036
2713	0.037
2714	0.037
2715	0.035
2716	0.036
2717	0.036
2718	0.035
2719	0.034
2720	0.035
2721	0.035
2722	0.034
2723	0.035
2724	0.035
2725	0.034
2726	0.033
2727	0.034
2728	0.035
2729	0.034
2730	0.033
2731	0.033
2732	0.032
2733	0.031
2734	0.033
2735	0.034
2736	0.035

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

2737	0.033
2738	0.032
2739	0.034
2740	0.034
2741	0.033
2742	0.033
2743	0.033
2744	0.033
2745	0.033
2746	0.033
2747	0.033
2748	0.032
2749	0.033
2750	0.034
2751	0.034
2752	0.036
2753	0.034
2754	0.034
2755	0.034
2756	0.034
2757	0.033
2758	0.033
2759	0.034
2760	0.033
2761	0.035
2762	0.035
2763	0.032
2764	0.033
2765	0.032
2766	0.032
2767	0.034
2768	0.034
2769	0.033
2770	0.034
2771	0.034
2772	0.035
2773	0.034
2774	0.033
2775	0.033
2776	0.034
2777	0.034
2778	0.034
2779	0.034
2780	0.035
2781	0.033
2782	0.034
2783	0.034
2784	0.032

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

2785	0.032
2786	0.035
2787	0.034
2788	0.031
2789	0.031
2790	0.033
2791	0.032
2792	0.033
2793	0.033
2794	0.034
2795	0.034
2796	0.033
2797	0.035
2798	0.033
2799	0.032
2800	0.032
2801	0.032
2802	0.033
2803	0.032
2804	0.033
2805	0.033
2806	0.033
2807	0.033
2808	0.033
2809	0.033
2810	0.034
2811	0.034
2812	0.034
2813	0.037
2814	0.036
2815	0.036
2816	0.035
2817	0.034
2818	0.035
2819	0.037
2820	0.037
2821	0.037
2822	0.037
2823	0.038
2824	0.036
2825	0.035
2826	0.035
2827	0.036
2828	0.034
2829	0.035
2830	0.036
2831	0.035
2832	0.035

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

2833	0.036
2834	0.037
2835	0.035
2836	0.036
2837	0.036
2838	0.035
2839	0.033
2840	0.037
2841	0.038
2842	0.037
2843	0.036
2844	0.034
2845	0.035
2846	0.037
2847	0.035
2848	0.034
2849	0.034
2850	0.035
2851	0.036
2852	0.035
2853	0.035
2854	0.035
2855	0.035
2856	0.036
2857	0.036
2858	0.037
2859	0.036
2860	0.035
2861	0.036
2862	0.036
2863	0.036
2864	0.036
2865	0.035
2866	0.035
2867	0.036
2868	0.036
2869	0.037
2870	0.038
2871	0.037
2872	0.035
2873	0.035
2874	0.036
2875	0.036
2876	0.037
2877	0.037
2878	0.036
2879	0.037
2880	0.037

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

2881	0.036
2882	0.034
2883	0.035
2884	0.038
2885	0.038
2886	0.036
2887	0.036
2888	0.037
2889	0.037
2890	0.035
2891	0.035
2892	0.035
2893	0.035
2894	0.035
2895	0.036
2896	0.038
2897	0.038
2898	0.034
2899	0.035
2900	0.035
2901	0.036
2902	0.037
2903	0.035
2904	0.036
2905	0.036
2906	0.036
2907	0.036
2908	0.037
2909	0.035
2910	0.034
2911	0.035
2912	0.035
2913	0.036
2914	0.035
2915	0.033
2916	0.036
2917	0.035
2918	0.035
2919	0.035
2920	0.035
2921	0.037
2922	0.036
2923	0.036
2924	0.035
2925	0.034
2926	0.037
2927	0.034
2928	0.035

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

2929	0.034
2930	0.033
2931	0.035
2932	0.036
2933	0.034
2934	0.034
2935	0.034
2936	0.034
2937	0.036
2938	0.036
2939	0.036
2940	0.035
2941	0.035
2942	0.037
2943	0.036
2944	0.036
2945	0.035
2946	0.036
2947	0.038
2948	0.039
2949	0.036
2950	0.035
2951	0.036
2952	0.036
2953	0.037
2954	0.035
2955	0.035
2956	0.036
2957	0.038
2958	0.037
2959	0.036
2960	0.037
2961	0.038
2962	0.037
2963	0.036
2964	0.036
2965	0.037
2966	0.037
2967	0.038
2968	0.038
2969	0.036
2970	0.037
2971	0.036
2972	0.035
2973	0.036
2974	0.037
2975	0.037
2976	0.038

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

2977	0.038
2978	0.037
2979	0.037
2980	0.037
2981	0.036
2982	0.036
2983	0.036
2984	0.035
2985	0.035
2986	0.035
2987	0.036
2988	0.037
2989	0.038
2990	0.036
2991	0.036
2992	0.037
2993	0.037
2994	0.039
2995	0.038
2996	0.037
2997	0.035
2998	0.036
2999	0.037
3000	0.037
3001	0.037
3002	0.038
3003	0.038
3004	0.038
3005	0.038
3006	0.038
3007	0.04
3008	0.039
3009	0.039
3010	0.038
3011	0.038
3012	0.038
3013	0.037
3014	0.037
3015	0.039
3016	0.038
3017	0.038
3018	0.038
3019	0.037
3020	0.038
3021	0.037
3022	0.037
3023	0.037
3024	0.037

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

3025	0.037
3026	0.039
3027	0.037
3028	0.038
3029	0.04
3030	0.039
3031	0.039
3032	0.039
3033	0.038
3034	0.038
3035	0.041
3036	0.042
3037	0.04
3038	0.041
3039	0.039
3040	0.037
3041	0.037
3042	0.037
3043	0.038
3044	0.038
3045	0.039
3046	0.038
3047	0.037
3048	0.036
3049	0.039
3050	0.039
3051	0.037
3052	0.038
3053	0.039
3054	0.039
3055	0.041
3056	0.039
3057	0.038
3058	0.038
3059	0.04
3060	0.039
3061	0.038
3062	0.04
3063	0.041
3064	0.04
3065	0.039
3066	0.04
3067	0.039
3068	0.038
3069	0.038
3070	0.039
3071	0.039
3072	0.037

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

3073	0.038
3074	0.038
3075	0.037
3076	0.04
3077	0.041
3078	0.039
3079	0.038
3080	0.04
3081	0.04
3082	0.037
3083	0.036
3084	0.036
3085	0.036
3086	0.039
3087	0.038
3088	0.038
3089	0.039
3090	0.039
3091	0.04
3092	0.04
3093	0.037
3094	0.038
3095	0.038
3096	0.038
3097	0.038
3098	0.04
3099	0.041
3100	0.04
3101	0.037
3102	0.036
3103	0.037
3104	0.037
3105	0.036
3106	0.037
3107	0.037
3108	0.04
3109	0.04
3110	0.039
3111	0.038
3112	0.039
3113	0.037
3114	0.036
3115	0.037
3116	0.035
3117	0.036
3118	0.038
3119	0.038
3120	0.036

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

3121	0.037
3122	0.038
3123	0.037
3124	0.039
3125	0.038
3126	0.037
3127	0.037
3128	0.037
3129	0.038
3130	0.037
3131	0.036
3132	0.036
3133	0.036
3134	0.035
3135	0.032
3136	0.031
3137	0.032
3138	0.031
3139	0.032
3140	0.031
3141	0.031
3142	0.029
3143	0.03
3144	0.031
3145	0.033
3146	0.031
3147	0.033
3148	0.033
3149	0.032
3150	0.032
3151	0.03
3152	0.03
3153	0.031
3154	0.033
3155	0.032
3156	0.032
3157	0.035
3158	0.033
3159	0.037
3160	0.039
3161	0.039
3162	0.039
3163	0.038
3164	0.037
3165	0.034
3166	0.032
3167	0.033
3168	0.033

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

3169	0.033
3170	0.032
3171	0.031
3172	0.03
3173	0.03
3174	0.03
3175	0.031
3176	0.032
3177	0.031
3178	0.029
3179	0.027
3180	0.027
3181	0.027
3182	0.033
3183	0.048
3184	0.027
3185	0.027
3186	0.026
3187	0.026
3188	0.026
3189	0.025
3190	0.025
3191	0.026
3192	0.026
3193	0.025
3194	0.024
3195	0.025
3196	0.025
3197	0.025
3198	0.024
3199	0.025
3200	0.025
3201	0.027
3202	0.027
3203	0.025
3204	0.024
3205	0.023
3206	0.025
3207	0.026
3208	0.028
3209	0.028
3210	0.027
3211	0.027
3212	0.027
3213	0.028
3214	0.027
3215	0.028
3216	0.029

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

3217	0.027
3218	0.027
3219	0.026
3220	0.027
3221	0.027
3222	0.027
3223	0.026
3224	0.027
3225	0.027
3226	0.027
3227	0.026
3228	0.026
3229	0.026
3230	0.026
3231	0.027
3232	0.026
3233	0.027
3234	0.027
3235	0.026
3236	0.027
3237	0.025
3238	0.027
3239	0.027
3240	0.026
3241	0.028
3242	0.025
3243	0.024
3244	0.023
3245	0.023
3246	0.024
3247	0.025
3248	0.025
3249	0.025
3250	0.026
3251	0.026
3252	0.025
3253	0.025
3254	0.025
3255	0.025
3256	0.024
3257	0.027
3258	0.027
3259	0.026
3260	0.025
3261	0.024
3262	0.023
3263	0.025
3264	0.024

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

3265	0.025
3266	0.025
3267	0.025
3268	0.027
3269	0.027
3270	0.026
3271	0.025
3272	0.026
3273	0.027
3274	0.027
3275	0.027
3276	0.027
3277	0.027
3278	0.027
3279	0.028
3280	0.027
3281	0.026
3282	0.027
3283	0.026
3284	0.027
3285	0.027
3286	0.028
3287	0.028
3288	0.027
3289	0.027
3290	0.026
3291	0.026
3292	0.026
3293	0.026
3294	0.026
3295	0.026
3296	0.026
3297	0.026
3298	0.026
3299	0.027
3300	0.027
3301	0.028
3302	0.027
3303	0.027
3304	0.027
3305	0.029
3306	0.028
3307	0.026
3308	0.027
3309	0.027
3310	0.027
3311	0.027
3312	0.027

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

3313	0.027
3314	0.026
3315	0.025
3316	0.026
3317	0.026
3318	0.027
3319	0.027
3320	0.027
3321	0.025
3322	0.026
3323	0.027
3324	0.027
3325	0.027
3326	0.028
3327	0.027
3328	0.028
3329	0.029
3330	0.028
3331	0.027
3332	0.027
3333	0.026
3334	0.028
3335	0.027
3336	0.026
3337	0.027
3338	0.027
3339	0.027
3340	0.025
3341	0.025
3342	0.026
3343	0.025
3344	0.025
3345	0.025
3346	0.025
3347	0.025
3348	0.024
3349	0.025
3350	0.026
3351	0.024
3352	0.025
3353	0.025
3354	0.024
3355	0.026
3356	0.026
3357	0.026
3358	0.026
3359	0.027
3360	0.026

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

3361	0.026
3362	0.027
3363	0.033
3364	0.033
3365	0.025
3366	0.027
3367	0.027
3368	0.026
3369	0.025
3370	0.026
3371	0.025
3372	0.026
3373	0.026
3374	0.025
3375	0.025
3376	0.026
3377	0.027
3378	0.026
3379	0.026
3380	0.028
3381	0.026
3382	0.026
3383	0.027
3384	0.026
3385	0.027
3386	0.029
3387	0.028
3388	0.027
3389	0.025
3390	0.025
3391	0.028
3392	0.027
3393	0.024
3394	0.024
3395	0.024
3396	0.026
3397	0.026
3398	0.025
3399	0.026
3400	0.026
3401	0.026
3402	0.025
3403	0.028
3404	0.03
3405	0.035
3406	0.039
3407	0.028
3408	0.027

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

3409	0.027
3410	0.027
3411	0.027
3412	0.029
3413	0.03
3414	0.032
3415	0.031
3416	0.03
3417	0.028
3418	0.028
3419	0.029
3420	0.031
3421	0.031
3422	0.032
3423	0.03
3424	0.033
3425	0.037
3426	0.038
3427	0.034
3428	0.034
3429	0.036
3430	0.039
3431	0.037
3432	0.033
3433	0.034
3434	0.032
3435	0.029
3436	0.034
3437	0.036
3438	0.028
3439	0.029
3440	0.03
3441	0.03
3442	0.029
3443	0.027
3444	0.028
3445	0.027
3446	0.028
3447	0.028
3448	0.028
3449	0.027
3450	0.026
3451	0.028
3452	0.028
3453	0.029
3454	0.029
3455	0.028
3456	0.027

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

3457	0.027
3458	0.029
3459	0.029
3460	0.028
3461	0.028
3462	0.029
3463	0.03
3464	0.032
3465	0.03
3466	0.03
3467	0.032
3468	0.03
3469	0.028
3470	0.028
3471	0.029
3472	0.03
3473	0.029
3474	0.028
3475	0.029
3476	0.029
3477	0.028
3478	0.029
3479	0.031
3480	0.033
3481	0.03
3482	0.029
3483	0.03
3484	0.03
3485	0.031
3486	0.029
3487	0.029
3488	0.03
3489	0.029
3490	0.025
3491	0.026
3492	0.027
3493	0.028
3494	0.027
3495	0.027
3496	0.029
3497	0.029
3498	0.028
3499	0.028
3500	0.028
3501	0.028
3502	0.03
3503	0.029
3504	0.028

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

3505	0.027
3506	0.026
3507	0.027
3508	0.027
3509	0.029
3510	0.027
3511	0.027
3512	0.029
3513	0.027
3514	0.028
3515	0.027
3516	0.025
3517	0.025
3518	0.025
3519	0.026
3520	0.026
3521	0.026
3522	0.025
3523	0.024
3524	0.025
3525	0.026
3526	0.026
3527	0.026
3528	0.025
3529	0.024
3530	0.025
3531	0.026
3532	0.025
3533	0.025
3534	0.025
3535	0.027
3536	0.027
3537	0.025
3538	0.025
3539	0.024
3540	0.024
3541	0.026
3542	0.026
3543	0.024
3544	0.024
3545	0.025
3546	0.025
3547	0.025
3548	0.025
3549	0.026
3550	0.027
3551	0.024
3552	0.024

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

3553	0.024
3554	0.024
3555	0.025
3556	0.026
3557	0.026
3558	0.026
3559	0.025
3560	0.025
3561	0.025
3562	0.026
3563	0.026
3564	0.026
3565	0.025
3566	0.026
3567	0.025
3568	0.023
3569	0.025
3570	0.025
3571	0.026
3572	0.026
3573	0.027
3574	0.027
3575	0.025
3576	0.025
3577	0.025
3578	0.023
3579	0.024
3580	0.026
3581	0.027
3582	0.027
3583	0.025
3584	0.025
3585	0.026
3586	0.027
3587	0.027
3588	0.029
3589	0.032
3590	0.029
3591	0.025
3592	0.026
3593	0.027
3594	0.028
3595	0.028
3596	0.028
3597	0.028
3598	0.025
3599	0.026
3600	0.027

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

3601	0.027
3602	0.027
3603	0.028
3604	0.028
3605	0.029
3606	0.029
3607	0.027
3608	0.026
3609	0.027
3610	0.027
3611	0.027
3612	0.026
3613	0.027
3614	0.028
3615	0.028
3616	0.028
3617	0.027
3618	0.026
3619	0.025
3620	0.027
3621	0.028
3622	0.028
3623	0.028
3624	0.028
3625	0.026
3626	0.025
3627	0.024
3628	0.025
3629	0.027
3630	0.026
3631	0.022
3632	0.025
3633	0.024
3634	0.025
3635	0.026
3636	0.024
3637	0.024
3638	0.024
3639	0.025
3640	0.025
3641	0.026
3642	0.027
3643	0.027
3644	0.028
3645	0.028
3646	0.028
3647	0.029
3648	0.029

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

3649	0.028
3650	0.028
3651	0.027
3652	0.029
3653	0.031
3654	0.032
3655	0.03
3656	0.029
3657	0.032
3658	0.029
3659	0.028
3660	0.027
3661	0.027
3662	0.029
3663	0.028
3664	0.028
3665	0.028
3666	0.029
3667	0.029
3668	0.028
3669	0.029
3670	0.027
3671	0.029
3672	0.029
3673	0.027
3674	0.027
3675	0.026
3676	0.026
3677	0.027
3678	0.028
3679	0.027
3680	0.025
3681	0.026
3682	0.027
3683	0.026
3684	0.025
3685	0.025
3686	0.026
3687	0.025
3688	0.026
3689	0.027
3690	0.027
3691	0.028
3692	0.028
3693	0.026
3694	0.031
3695	0.033
3696	0.032

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

3697	0.029
3698	0.028
3699	0.028
3700	0.03
3701	0.031
3702	0.028
3703	0.029
3704	0.031
3705	0.03
3706	0.027
3707	0.026
3708	0.027
3709	0.027
3710	0.028
3711	0.027
3712	0.026
3713	0.025
3714	0.025
3715	0.025
3716	0.027
3717	0.029
3718	0.028
3719	0.027
3720	0.027
3721	0.028
3722	0.025
3723	0.025
3724	0.026
3725	0.024
3726	0.025
3727	0.024
3728	0.025
3729	0.023
3730	0.022
3731	0.022
3732	0.023
3733	0.024
3734	0.024
3735	0.024
3736	0.024
3737	0.025
3738	0.026
3739	0.043
3740	0.044
3741	0.023
3742	0.025
3743	0.027
3744	0.026

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

3745	0.026
3746	0.026
3747	0.027
3748	0.027
3749	0.028
3750	0.03
3751	0.033
3752	0.033
3753	0.032
3754	0.033
3755	0.032
3756	0.032
3757	0.031
3758	0.033
3759	0.035
3760	0.031
3761	0.03
3762	0.032
3763	0.031
3764	0.03
3765	0.031
3766	0.029
3767	0.029
3768	0.03
3769	0.029
3770	0.028
3771	0.028
3772	0.028
3773	0.027
3774	0.026
3775	0.029
3776	0.028
3777	0.027
3778	0.03
3779	0.028
3780	0.028
3781	0.028
3782	0.029
3783	0.028
3784	0.03
3785	0.03
3786	0.027
3787	0.027
3788	0.029
3789	0.031
3790	0.031
3791	0.032
3792	0.027

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

3793	0.028
3794	0.027
3795	0.028
3796	0.029
3797	0.026
3798	0.024
3799	0.026
3800	0.027
3801	0.027
3802	0.029
3803	0.028
3804	0.028
3805	0.026
3806	0.028
3807	0.029
3808	0.025
3809	0.022
3810	0.022
3811	0.024
3812	0.024
3813	0.023
3814	0.023
3815	0.024
3816	0.025
3817	0.025
3818	0.025
3819	0.025
3820	0.025
3821	0.025
3822	0.024
3823	0.025
3824	0.026
3825	0.024
3826	0.026
3827	0.024
3828	0.025
3829	0.025
3830	0.025
3831	0.024
3832	0.024
3833	0.026
3834	0.026
3835	0.025
3836	0.024
3837	0.024
3838	0.025
3839	0.027
3840	0.027

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

3841	0.025
3842	0.027
3843	0.028
3844	0.026
3845	0.027
3846	0.029
3847	0.029
3848	0.029
3849	0.027
3850	0.029
3851	0.029
3852	0.03
3853	0.033
3854	0.032
3855	0.027
3856	0.027
3857	0.027
3858	0.025
3859	0.026
3860	0.027
3861	0.026
3862	0.027
3863	0.028
3864	0.03
3865	0.029
3866	0.025
3867	0.025
3868	0.022
3869	0.022
3870	0.022
3871	0.023
3872	0.022
3873	0.021
3874	0.022
3875	0.022
3876	0.022
3877	0.022
3878	0.022
3879	0.021
3880	0.021
3881	0.021
3882	0.022
3883	0.022
3884	0.021
3885	0.022
3886	0.024
3887	0.022
3888	0.022

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

3889	0.024
3890	0.024
3891	0.023
3892	0.023
3893	0.023
3894	0.023
3895	0.023
3896	0.022
3897	0.022
3898	0.026
3899	0.033
3900	0.03
3901	0.03
3902	0.031
3903	0.032
3904	0.034
3905	0.032
3906	0.033
3907	0.034
3908	0.033
3909	0.032
3910	0.035
3911	0.034
3912	0.032
3913	0.035
3914	0.035
3915	0.036
3916	0.032
3917	0.034
3918	0.037
3919	0.035
3920	0.033
3921	0.033
3922	0.032
3923	0.032
3924	0.03
3925	0.029
3926	0.029
3927	0.031
3928	0.03
3929	0.028
3930	0.03
3931	0.031
3932	0.03
3933	0.03
3934	0.029
3935	0.028
3936	0.027

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

3937	0.028
3938	0.029
3939	0.03
3940	0.031
3941	0.029
3942	0.029
3943	0.029
3944	0.029
3945	0.032
3946	0.029
3947	0.03
3948	0.03
3949	0.031
3950	0.032
3951	0.034
3952	0.035
3953	0.037
3954	0.037
3955	0.034
3956	0.033
3957	0.032
3958	0.031
3959	0.032
3960	0.031
3961	0.033
3962	0.032
3963	0.03
3964	0.029
3965	0.031
3966	0.03
3967	0.026
3968	0.025
3969	0.025
3970	0.024
3971	0.024
3972	0.024
3973	0.028
3974	0.024
3975	0.024
3976	0.025
3977	0.025
3978	0.024
3979	0.027
3980	0.029
3981	0.027
3982	0.028
3983	0.027
3984	0.026

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

3985	0.027
3986	0.025
3987	0.025
3988	0.027
3989	0.027
3990	0.026
3991	0.027
3992	0.026
3993	0.027
3994	0.026
3995	0.026
3996	0.028
3997	0.029
3998	0.03
3999	0.029
4000	0.028
4001	0.026
4002	0.026
4003	0.028
4004	0.026
4005	0.025
4006	0.026
4007	0.026
4008	0.027
4009	0.026
4010	0.025
4011	0.025
4012	0.026
4013	0.027
4014	0.027
4015	0.027
4016	0.031
4017	0.025
4018	0.026
4019	0.024
4020	0.023
4021	0.023
4022	0.024
4023	0.025
4024	0.025
4025	0.027
4026	0.028
4027	0.027
4028	0.026
4029	0.026
4030	0.028
4031	0.029
4032	0.026

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

4033	0.025
4034	0.025
4035	0.025
4036	0.027
4037	0.027
4038	0.026
4039	0.026
4040	0.025
4041	0.025
4042	0.023
4043	0.023
4044	0.023
4045	0.021
4046	0.022
4047	0.021
4048	0.021
4049	0.022
4050	0.023
4051	0.039
4052	0.023
4053	0.023
4054	0.023
4055	0.023
4056	0.024
4057	0.024
4058	0.023
4059	0.023
4060	0.023
4061	0.023
4062	0.024
4063	0.023
4064	0.023
4065	0.023
4066	0.024
4067	0.024
4068	0.023
4069	0.024
4070	0.025
4071	0.025
4072	0.026
4073	0.026
4074	0.027
4075	0.028
4076	0.028
4077	0.027
4078	0.026
4079	0.025
4080	0.026

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

4081	0.026
4082	0.027
4083	0.028
4084	0.029
4085	0.029
4086	0.029
4087	0.028
4088	0.03
4089	0.031
4090	0.03
4091	0.029
4092	0.029
4093	0.029
4094	0.029
4095	0.029
4096	0.027
4097	0.026
4098	0.027
4099	0.028
4100	0.032
4101	0.03
4102	0.027
4103	0.027
4104	0.029
4105	0.029
4106	0.027
4107	0.028
4108	0.029
4109	0.027
4110	0.025
4111	0.025
4112	0.026
4113	0.027
4114	0.029
4115	0.028
4116	0.026
4117	0.025
4118	0.025
4119	0.022
4120	0.022
4121	0.022
4122	0.022
4123	0.023
4124	0.023
4125	0.023
4126	0.022
4127	0.022
4128	0.022

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

4129	0.022
4130	0.021
4131	0.023
4132	0.025
4133	0.023
4134	0.025
4135	0.026
4136	0.024
4137	0.023
4138	0.025
4139	0.026
4140	0.025
4141	0.027
4142	0.025
4143	0.024
4144	0.024
4145	0.025
4146	0.025
4147	0.026
4148	0.027
4149	0.025
4150	0.024
4151	0.024
4152	0.025
4153	0.026
4154	0.026
4155	0.027
4156	0.026
4157	0.025
4158	0.025
4159	0.026
4160	0.025
4161	0.024
4162	0.026
4163	0.026
4164	0.025
4165	0.026
4166	0.027
4167	0.027
4168	0.027
4169	0.026
4170	0.027
4171	0.025
4172	0.024
4173	0.024
4174	0.025
4175	0.025
4176	0.024

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

4177	0.026
4178	0.027
4179	0.026
4180	0.026
4181	0.025
4182	0.026
4183	0.027
4184	0.027
4185	0.026
4186	0.027
4187	0.028
4188	0.024
4189	0.023
4190	0.025
4191	0.026
4192	0.034
4193	0.035
4194	0.027
4195	0.028
4196	0.028
4197	0.03
4198	0.034
4199	0.036
4200	0.036
4201	0.034
4202	0.032
4203	0.036
4204	0.039
4205	0.038
4206	0.038
4207	0.037
4208	0.034
4209	0.033
4210	0.035
4211	0.036
4212	0.035
4213	0.032
4214	0.03
4215	0.03
4216	0.03
4217	0.031
4218	0.032
4219	0.028
4220	0.028
4221	0.03
4222	0.029
4223	0.03
4224	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

4225	0.032
4226	0.03
4227	0.03
4228	0.031
4229	0.03
4230	0.03
4231	0.031
4232	0.031
4233	0.03
4234	0.027
4235	0.026
4236	0.025
4237	0.026
4238	0.027
4239	0.03
4240	0.028
4241	0.028
4242	0.028
4243	0.028
4244	0.028
4245	0.029
4246	0.029
4247	0.027
4248	0.027
4249	0.027
4250	0.026
4251	0.027
4252	0.027
4253	0.028
4254	0.029
4255	0.028
4256	0.028
4257	0.026
4258	0.028
4259	0.028
4260	0.032
4261	0.032
4262	0.033
4263	0.032
4264	0.03
4265	0.028
4266	0.027
4267	0.029
4268	0.032
4269	0.034
4270	0.035
4271	0.034
4272	0.036

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

4273	0.039
4274	0.038
4275	0.035
4276	0.038
4277	0.038
4278	0.035
4279	0.035
4280	0.035
4281	0.034
4282	0.031
4283	0.03
4284	0.029
4285	0.03
4286	0.03
4287	0.031
4288	0.033
4289	0.035
4290	0.036
4291	0.032
4292	0.028
4293	0.028
4294	0.028
4295	0.03
4296	0.029
4297	0.029
4298	0.031
4299	0.032
4300	0.035
4301	0.038
4302	0.037
4303	0.035
4304	0.037
4305	0.041
4306	0.04
4307	0.039
4308	0.036
4309	0.034
4310	0.035
4311	0.038
4312	0.036
4313	0.035
4314	0.037
4315	0.038
4316	0.036
4317	0.035
4318	0.035
4319	0.037
4320	0.036

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

4321	0.035
4322	0.036
4323	0.035
4324	0.034
4325	0.033
4326	0.033
4327	0.034
4328	0.031
4329	0.028
4330	0.027
4331	0.03
4332	0.031
4333	0.031
4334	0.03
4335	0.03
4336	0.03
4337	0.028
4338	0.028
4339	0.027
4340	0.028
4341	0.028
4342	0.029
4343	0.028
4344	0.029
4345	0.03
4346	0.031
4347	0.03
4348	0.031
4349	0.031
4350	0.031
4351	0.031
4352	0.034
4353	0.033
4354	0.031
4355	0.031
4356	0.031
4357	0.033
4358	0.033
4359	0.029
4360	0.028
4361	0.028
4362	0.027
4363	0.029
4364	0.029
4365	0.027
4366	0.025
4367	0.026
4368	0.026

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

4369	0.026
4370	0.026
4371	0.026
4372	0.025
4373	0.024
4374	0.024
4375	0.024
4376	0.024
4377	0.026
4378	0.025
4379	0.023
4380	0.024
4381	0.024
4382	0.025
4383	0.026
4384	0.023
4385	0.023
4386	0.025
4387	0.025
4388	0.024
4389	0.024
4390	0.026
4391	0.026
4392	0.027
4393	0.025
4394	0.025
4395	0.025
4396	0.026
4397	0.028
4398	0.028
4399	0.029
4400	0.031
4401	0.032
4402	0.027
4403	0.026
4404	0.027
4405	0.028
4406	0.026
4407	0.025
4408	0.028
4409	0.031
4410	0.029
4411	0.029
4412	0.028
4413	0.026
4414	0.026
4415	0.026
4416	0.027

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

4417	0.029
4418	0.029
4419	0.03
4420	0.028
4421	0.027
4422	0.03
4423	0.029
4424	0.026
4425	0.028
4426	0.032
4427	0.031
4428	0.028
4429	0.026
4430	0.026
4431	0.025
4432	0.026
4433	0.025
4434	0.025
4435	0.025
4436	0.025
4437	0.024
4438	0.026
4439	0.025
4440	0.026
4441	0.025
4442	0.026
4443	0.027
4444	0.029
4445	0.028
4446	0.028
4447	0.029
4448	0.029
4449	0.027
4450	0.026
4451	0.025
4452	0.025
4453	0.026
4454	0.026
4455	0.026
4456	0.029
4457	0.029
4458	0.028
4459	0.027
4460	0.026
4461	0.027
4462	0.029
4463	0.031
4464	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

4465	0.029
4466	0.029
4467	0.028
4468	0.03
4469	0.03
4470	0.031
4471	0.029
4472	0.029
4473	0.031
4474	0.032
4475	0.031
4476	0.03
4477	0.028
4478	0.029
4479	0.028
4480	0.028
4481	0.028
4482	0.028
4483	0.029
4484	0.031
4485	0.03
4486	0.029
4487	0.028
4488	0.027
4489	0.027
4490	0.026
4491	0.025
4492	0.025
4493	0.026
4494	0.024
4495	0.025
4496	0.028
4497	0.028
4498	0.028
4499	0.03
4500	0.028
4501	0.025
4502	0.025
4503	0.03
4504	0.031
4505	0.028
4506	0.027
4507	0.027
4508	0.028
4509	0.028
4510	0.028
4511	0.028
4512	0.026

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

4513	0.027
4514	0.03
4515	0.031
4516	0.031
4517	0.028
4518	0.029
4519	0.031
4520	0.03
4521	0.032
4522	0.032
4523	0.033
4524	0.04
4525	0.038
4526	0.03
4527	0.026
4528	0.029
4529	0.029
4530	0.031
4531	0.03
4532	0.03
4533	0.031
4534	0.031
4535	0.03
4536	0.031
4537	0.029
4538	0.028
4539	0.031
4540	0.032
4541	0.032
4542	0.03
4543	0.031
4544	0.03
4545	0.031
4546	0.042
4547	0.045
4548	0.03
4549	0.032
4550	0.031
4551	0.03
4552	0.029
4553	0.029
4554	0.03
4555	0.029
4556	0.029
4557	0.03
4558	0.032
4559	0.033
4560	0.033

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

4561	0.033
4562	0.031
4563	0.027
4564	0.029
4565	0.027
4566	0.028
4567	0.033
4568	0.033
4569	0.03
4570	0.03
4571	0.031
4572	0.033
4573	0.03
4574	0.026
4575	0.028
4576	0.03
4577	0.03
4578	0.029
4579	0.029
4580	0.029
4581	0.029
4582	0.03
4583	0.03
4584	0.029
4585	0.03
4586	0.03
4587	0.033
4588	0.033
4589	0.029
4590	0.029
4591	0.028
4592	0.03
4593	0.03
4594	0.033
4595	0.038
4596	0.037
4597	0.039
4598	0.043
4599	0.044
4600	0.042
4601	0.048
4602	0.033
4603	0.029
4604	0.028
4605	0.03
4606	0.031
4607	0.035
4608	0.033

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

4609	0.03
4610	0.029
4611	0.029
4612	0.033
4613	0.035
4614	0.031
4615	0.031
4616	0.031
4617	0.03
4618	0.032
4619	0.029
4620	0.03
4621	0.031
4622	0.03
4623	0.028
4624	0.029
4625	0.031
4626	0.031
4627	0.032
4628	0.033
4629	0.032
4630	0.032
4631	0.033
4632	0.04
4633	0.041
4634	0.033
4635	0.032
4636	0.03
4637	0.031
4638	0.03
4639	0.032
4640	0.032
4641	0.029
4642	0.03
4643	0.032
4644	0.031
4645	0.031
4646	0.029
4647	0.029
4648	0.032
4649	0.03
4650	0.029
4651	0.031
4652	0.031
4653	0.029
4654	0.031
4655	0.03
4656	0.028

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

4657	0.028
4658	0.028
4659	0.029
4660	0.028
4661	0.03
4662	0.031
4663	0.03
4664	0.029
4665	0.03
4666	0.029
4667	0.029
4668	0.03
4669	0.031
4670	0.029
4671	0.03
4672	0.028
4673	0.027
4674	0.026
4675	0.027
4676	0.025
4677	0.026
4678	0.025
4679	0.026
4680	0.027
4681	0.03
4682	0.03
4683	0.026
4684	0.026
4685	0.029
4686	0.031
4687	0.029
4688	0.03
4689	0.028
4690	0.026
4691	0.026
4692	0.027
4693	0.025
4694	0.026
4695	0.026
4696	0.026
4697	0.027
4698	0.025
4699	0.024
4700	0.024
4701	0.025
4702	0.026
4703	0.026
4704	0.028

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

4705	0.028
4706	0.029
4707	0.027
4708	0.028
4709	0.03
4710	0.028
4711	0.026
4712	0.027
4713	0.027
4714	0.025
4715	0.026
4716	0.026
4717	0.027
4718	0.027
4719	0.029
4720	0.028
4721	0.027
4722	0.025
4723	0.025
4724	0.027
4725	0.028
4726	0.03
4727	0.031
4728	0.03
4729	0.03
4730	0.03
4731	0.029
4732	0.03
4733	0.031
4734	0.031
4735	0.03
4736	0.031
4737	0.03
4738	0.031
4739	0.032
4740	0.033
4741	0.031
4742	0.031
4743	0.034
4744	0.034
4745	0.033
4746	0.032
4747	0.032
4748	0.033
4749	0.034
4750	0.033
4751	0.035
4752	0.032

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

4753	0.033
4754	0.033
4755	0.031
4756	0.032
4757	0.035
4758	0.035
4759	0.036
4760	0.038
4761	0.038
4762	0.034
4763	0.034
4764	0.033
4765	0.033
4766	0.034
4767	0.032
4768	0.031
4769	0.033
4770	0.032
4771	0.031
4772	0.032
4773	0.029
4774	0.028
4775	0.031
4776	0.03
4777	0.03
4778	0.029
4779	0.029
4780	0.03
4781	0.031
4782	0.031
4783	0.031
4784	0.029
4785	0.028
4786	0.03
4787	0.032
4788	0.032
4789	0.033
4790	0.032
4791	0.034
4792	0.032
4793	0.029
4794	0.029
4795	0.028
4796	0.029
4797	0.03
4798	0.03
4799	0.033
4800	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

4801	0.03
4802	0.031
4803	0.032
4804	0.034
4805	0.035
4806	0.035
4807	0.033
4808	0.031
4809	0.03
4810	0.033
4811	0.034
4812	0.032
4813	0.033
4814	0.033
4815	0.03
4816	0.03
4817	0.032
4818	0.032
4819	0.031
4820	0.031
4821	0.033
4822	0.035
4823	0.033
4824	0.033
4825	0.034
4826	0.033
4827	0.033
4828	0.034
4829	0.034
4830	0.036
4831	0.037
4832	0.033
4833	0.031
4834	0.033
4835	0.032
4836	0.03
4837	0.03
4838	0.033
4839	0.035
4840	0.036
4841	0.033
4842	0.033
4843	0.034
4844	0.036
4845	0.034
4846	0.035
4847	0.034
4848	0.036

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

4849	0.039
4850	0.038
4851	0.036
4852	0.036
4853	0.036
4854	0.038
4855	0.037
4856	0.033
4857	0.034
4858	0.034
4859	0.036
4860	0.034
4861	0.033
4862	0.034
4863	0.033
4864	0.034
4865	0.034
4866	0.034
4867	0.035
4868	0.034
4869	0.037
4870	0.039
4871	0.036
4872	0.036
4873	0.038
4874	0.037
4875	0.033
4876	0.033
4877	0.034
4878	0.033
4879	0.032
4880	0.032
4881	0.033
4882	0.034
4883	0.036
4884	0.034
4885	0.031
4886	0.032
4887	0.032
4888	0.03
4889	0.029
4890	0.033
4891	0.032
4892	0.031
4893	0.034
4894	0.034
4895	0.034
4896	0.032

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

4897	0.033
4898	0.035
4899	0.033
4900	0.033
4901	0.034
4902	0.033
4903	0.034
4904	0.034
4905	0.037
4906	0.034
4907	0.034
4908	0.036
4909	0.035
4910	0.034
4911	0.033
4912	0.034
4913	0.036
4914	0.037
4915	0.034
4916	0.035
4917	0.036
4918	0.034
4919	0.035
4920	0.037
4921	0.036
4922	0.034
4923	0.036
4924	0.037
4925	0.034
4926	0.034
4927	0.036
4928	0.039
4929	0.036
4930	0.034
4931	0.034
4932	0.033
4933	0.034
4934	0.036
4935	0.034
4936	0.034
4937	0.035
4938	0.033
4939	0.033
4940	0.033
4941	0.032
4942	0.032
4943	0.032
4944	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

4945	0.032
4946	0.03
4947	0.03
4948	0.032
4949	0.034
4950	0.034
4951	0.035
4952	0.036
4953	0.038
4954	0.039
4955	0.03
4956	0.03
4957	0.03
4958	0.033
4959	0.034
4960	0.031
4961	0.027
4962	0.026
4963	0.026
4964	0.025
4965	0.026
4966	0.025
4967	0.024
4968	0.025
4969	0.026
4970	0.025
4971	0.025
4972	0.027
4973	0.026
4974	0.025
4975	0.026
4976	0.028
4977	0.029
4978	0.028
4979	0.027
4980	0.029
4981	0.029
4982	0.03
4983	0.029
4984	0.03
4985	0.032
4986	0.031
4987	0.03
4988	0.029
4989	0.031
4990	0.033
4991	0.033
4992	0.033

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

4993	0.032
4994	0.032
4995	0.032
4996	0.031
4997	0.033
4998	0.033
4999	0.03
5000	0.029
5001	0.031
5002	0.033
5003	0.031
5004	0.026
5005	0.025
5006	0.026
5007	0.027
5008	0.03
5009	0.031
5010	0.029
5011	0.03
5012	0.032
5013	0.03
5014	0.027
5015	0.027
5016	0.026
5017	0.025
5018	0.026
5019	0.027
5020	0.026
5021	0.024
5022	0.026
5023	0.027
5024	0.027
5025	0.026
5026	0.026
5027	0.028
5028	0.026
5029	0.023
5030	0.024
5031	0.025
5032	0.024
5033	0.023
5034	0.025
5035	0.025
5036	0.025
5037	0.026
5038	0.026
5039	0.025
5040	0.025

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

5041	0.026
5042	0.025
5043	0.023
5044	0.026
5045	0.026
5046	0.026
5047	0.029
5048	0.029
5049	0.027
5050	0.026
5051	0.027
5052	0.028
5053	0.029
5054	0.03
5055	0.026
5056	0.025
5057	0.026
5058	0.026
5059	0.025
5060	0.025
5061	0.025
5062	0.024
5063	0.025
5064	0.024
5065	0.024
5066	0.025
5067	0.026
5068	0.025
5069	0.025
5070	0.025
5071	0.026
5072	0.023
5073	0.025
5074	0.025
5075	0.025
5076	0.026
5077	0.026
5078	0.025
5079	0.025
5080	0.025
5081	0.025
5082	0.025
5083	0.027
5084	0.027
5085	0.026
5086	0.028
5087	0.029
5088	0.03

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

5089	0.03
5090	0.027
5091	0.028
5092	0.029
5093	0.028
5094	0.027
5095	0.029
5096	0.028
5097	0.027
5098	0.027
5099	0.026
5100	0.028
5101	0.029
5102	0.027
5103	0.027
5104	0.03
5105	0.028
5106	0.03
5107	0.03
5108	0.029
5109	0.029
5110	0.031
5111	0.032
5112	0.031
5113	0.031
5114	0.031
5115	0.03
5116	0.031
5117	0.031
5118	0.033
5119	0.031
5120	0.03
5121	0.03
5122	0.03
5123	0.03
5124	0.033
5125	0.029
5126	0.028
5127	0.027
5128	0.026
5129	0.025
5130	0.026
5131	0.026
5132	0.026
5133	0.027
5134	0.027
5135	0.029
5136	0.029

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

5137	0.031
5138	0.03
5139	0.026
5140	0.026
5141	0.03
5142	0.032
5143	0.029
5144	0.03
5145	0.029
5146	0.032
5147	0.035
5148	0.033
5149	0.03
5150	0.03
5151	0.027
5152	0.026
5153	0.027
5154	0.029
5155	0.03
5156	0.028
5157	0.028
5158	0.028
5159	0.028
5160	0.026
5161	0.026
5162	0.026
5163	0.027
5164	0.025
5165	0.025
5166	0.026
5167	0.025
5168	0.026
5169	0.028
5170	0.028
5171	0.026
5172	0.024
5173	0.025
5174	0.027
5175	0.028
5176	0.028
5177	0.028
5178	0.031
5179	0.03
5180	0.029
5181	0.028
5182	0.03
5183	0.032
5184	0.032

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

5185	0.031
5186	0.032
5187	0.032
5188	0.033
5189	0.033
5190	0.032
5191	0.033
5192	0.033
5193	0.034
5194	0.036
5195	0.041
5196	0.044
5197	0.044
5198	0.042
5199	0.042
5200	0.043
5201	0.041
5202	0.04
5203	0.04
5204	0.04
5205	0.039
5206	0.04
5207	0.034
5208	0.031
5209	0.033
5210	0.032
5211	0.034
5212	0.034
5213	0.033
5214	0.032
5215	0.034
5216	0.032
5217	0.03
5218	0.029
5219	0.028
5220	0.028
5221	0.029
5222	0.03
5223	0.029
5224	0.032
5225	0.033
5226	0.032
5227	0.032
5228	0.033
5229	0.03
5230	0.029
5231	0.03
5232	0.032

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

5233	0.031
5234	0.033
5235	0.034
5236	0.034
5237	0.037
5238	0.033
5239	0.027
5240	0.024
5241	0.028
5242	0.027
5243	0.025
5244	0.024
5245	0.023
5246	0.021
5247	0.022
5248	0.024
5249	0.024
5250	0.023
5251	0.024
5252	0.025
5253	0.024
5254	0.024
5255	0.024
5256	0.024
5257	0.023
5258	0.022
5259	0.022
5260	0.023
5261	0.024
5262	0.024
5263	0.025
5264	0.025
5265	0.023
5266	0.023
5267	0.023
5268	0.024
5269	0.024
5270	0.025
5271	0.025
5272	0.025
5273	0.025
5274	0.025
5275	0.024
5276	0.024
5277	0.023
5278	0.023
5279	0.024
5280	0.024

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

5281	0.025
5282	0.029
5283	0.051
5284	0.028
5285	0.026
5286	0.028
5287	0.034
5288	0.037
5289	0.038
5290	0.035
5291	0.031
5292	0.033
5293	0.034
5294	0.033
5295	0.032
5296	0.034
5297	0.036
5298	0.032
5299	0.028
5300	0.031
5301	0.03
5302	0.027
5303	0.025
5304	0.028
5305	0.035
5306	0.036
5307	0.032
5308	0.031
5309	0.029
5310	0.028
5311	0.025
5312	0.025
5313	0.026
5314	0.026
5315	0.026
5316	0.023
5317	0.024
5318	0.023
5319	0.022
5320	0.023
5321	0.023
5322	0.023
5323	0.022
5324	0.023
5325	0.023
5326	0.022
5327	0.023
5328	0.024

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

5329	0.024
5330	0.023
5331	0.029
5332	0.025
5333	0.024
5334	0.025
5335	0.024
5336	0.024
5337	0.026
5338	0.029
5339	0.03
5340	0.028
5341	0.027
5342	0.025
5343	0.027
5344	0.028
5345	0.028
5346	0.028
5347	0.028
5348	0.027
5349	0.029
5350	0.035
5351	0.042
5352	0.039
5353	0.033
5354	0.028
5355	0.026
5356	0.026
5357	0.029
5358	0.031
5359	0.029
5360	0.029
5361	0.031
5362	0.029
5363	0.029
5364	0.027
5365	0.027
5366	0.026
5367	0.026
5368	0.028
5369	0.026
5370	0.024
5371	0.023
5372	0.025
5373	0.025
5374	0.027
5375	0.028
5376	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

5377	0.029
5378	0.028
5379	0.028
5380	0.029
5381	0.03
5382	0.03
5383	0.03
5384	0.029
5385	0.031
5386	0.03
5387	0.03
5388	0.031
5389	0.034
5390	0.032
5391	0.033
5392	0.032
5393	0.032
5394	0.034
5395	0.032
5396	0.029
5397	0.028
5398	0.029
5399	0.033
5400	0.033
5401	0.032
5402	0.032
5403	0.033
5404	0.034
5405	0.035
5406	0.036
5407	0.035
5408	0.036
5409	0.036
5410	0.036
5411	0.037
5412	0.033
5413	0.027
5414	0.025
5415	0.026
5416	0.031
5417	0.034
5418	0.035
5419	0.037
5420	0.035
5421	0.034
5422	0.029
5423	0.028
5424	0.028

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

5425	0.028
5426	0.029
5427	0.029
5428	0.027
5429	0.028
5430	0.029
5431	0.03
5432	0.031
5433	0.032
5434	0.033
5435	0.035
5436	0.034
5437	0.031
5438	0.029
5439	0.029
5440	0.03
5441	0.03
5442	0.03
5443	0.03
5444	0.03
5445	0.03
5446	0.03
5447	0.031
5448	0.031
5449	0.032
5450	0.031
5451	0.034
5452	0.034
5453	0.031
5454	0.029
5455	0.028
5456	0.029
5457	0.03
5458	0.032
5459	0.03
5460	0.028
5461	0.028
5462	0.027
5463	0.029
5464	0.028
5465	0.029
5466	0.029
5467	0.03
5468	0.031
5469	0.029
5470	0.029
5471	0.03
5472	0.029

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

5473	0.031
5474	0.032
5475	0.029
5476	0.028
5477	0.028
5478	0.027
5479	0.027
5480	0.027
5481	0.026
5482	0.027
5483	0.027
5484	0.027
5485	0.028
5486	0.028
5487	0.029
5488	0.029
5489	0.028
5490	0.029
5491	0.03
5492	0.028
5493	0.027
5494	0.028
5495	0.029
5496	0.028
5497	0.028
5498	0.029
5499	0.029
5500	0.029
5501	0.028
5502	0.028
5503	0.027
5504	0.03
5505	0.029
5506	0.029
5507	0.03
5508	0.032
5509	0.03
5510	0.028
5511	0.03
5512	0.031
5513	0.032
5514	0.031
5515	0.031
5516	0.032
5517	0.031
5518	0.03
5519	0.031
5520	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

5521	0.03
5522	0.029
5523	0.03
5524	0.032
5525	0.034
5526	0.031
5527	0.029
5528	0.029
5529	0.028
5530	0.025
5531	0.026
5532	0.027
5533	0.026
5534	0.025
5535	0.026
5536	0.028
5537	0.028
5538	0.026
5539	0.027
5540	0.028
5541	0.028
5542	0.028
5543	0.029
5544	0.031
5545	0.031
5546	0.032
5547	0.031
5548	0.029
5549	0.026
5550	0.026
5551	0.028
5552	0.029
5553	0.029
5554	0.03
5555	0.051
5556	0.049
5557	0.034
5558	0.032
5559	0.032
5560	0.03
5561	0.028
5562	0.029
5563	0.031
5564	0.031
5565	0.029
5566	0.031
5567	0.03
5568	0.032

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

5569	0.032
5570	0.03
5571	0.03
5572	0.031
5573	0.03
5574	0.03
5575	0.032
5576	0.032
5577	0.031
5578	0.032
5579	0.031
5580	0.034
5581	0.033
5582	0.031
5583	0.03
5584	0.032
5585	0.032
5586	0.033
5587	0.033
5588	0.033
5589	0.032
5590	0.034
5591	0.036
5592	0.032
5593	0.033
5594	0.034
5595	0.035
5596	0.037
5597	0.035
5598	0.036
5599	0.034
5600	0.032
5601	0.033
5602	0.032
5603	0.029
5604	0.06
5605	0.075
5606	0.029
5607	0.03
5608	0.031
5609	0.03
5610	0.029
5611	0.031
5612	0.034
5613	0.03
5614	0.027
5615	0.028
5616	0.027

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

5617	0.027
5618	0.028
5619	0.027
5620	0.029
5621	0.027
5622	0.027
5623	0.029
5624	0.028
5625	0.028
5626	0.029
5627	0.031
5628	0.029
5629	0.027
5630	0.025
5631	0.029
5632	0.03
5633	0.027
5634	0.027
5635	0.027
5636	0.027
5637	0.027
5638	0.028
5639	0.028
5640	0.028
5641	0.028
5642	0.029
5643	0.027
5644	0.027
5645	0.028
5646	0.027
5647	0.025
5648	0.027
5649	0.029
5650	0.027
5651	0.028
5652	0.028
5653	0.028
5654	0.028
5655	0.028
5656	0.029
5657	0.026
5658	0.028
5659	0.028
5660	0.026
5661	0.028
5662	0.031
5663	0.028
5664	0.026

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

5665	0.027
5666	0.029
5667	0.029
5668	0.031
5669	0.029
5670	0.027
5671	0.027
5672	0.026
5673	0.027
5674	0.028
5675	0.029
5676	0.027
5677	0.027
5678	0.027
5679	0.026
5680	0.026
5681	0.029
5682	0.029
5683	0.029
5684	0.027
5685	0.028
5686	0.029
5687	0.03
5688	0.028
5689	0.028
5690	0.028
5691	0.028
5692	0.028
5693	0.028
5694	0.029
5695	0.029
5696	0.027
5697	0.026
5698	0.029
5699	0.028
5700	0.028
5701	0.03
5702	0.028
5703	0.029
5704	0.029
5705	0.028
5706	0.027
5707	0.029
5708	0.029
5709	0.028
5710	0.029
5711	0.032
5712	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

5713	0.031
5714	0.029
5715	0.03
5716	0.03
5717	0.03
5718	0.031
5719	0.029
5720	0.029
5721	0.029
5722	0.028
5723	0.03
5724	0.03
5725	0.03
5726	0.031
5727	0.032
5728	0.031
5729	0.03
5730	0.031
5731	0.03
5732	0.029
5733	0.03
5734	0.031
5735	0.03
5736	0.028
5737	0.03
5738	0.03
5739	0.03
5740	0.029
5741	0.03
5742	0.029
5743	0.031
5744	0.032
5745	0.033
5746	0.032
5747	0.032
5748	0.032
5749	0.033
5750	0.03
5751	0.03
5752	0.031
5753	0.028
5754	0.029
5755	0.029
5756	0.029
5757	0.031
5758	0.03
5759	0.03
5760	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

5761	0.029
5762	0.029
5763	0.03
5764	0.029
5765	0.03
5766	0.031
5767	0.028
5768	0.028
5769	0.027
5770	0.028
5771	0.03
5772	0.031
5773	0.03
5774	0.029
5775	0.028
5776	0.029
5777	0.028
5778	0.029
5779	0.03
5780	0.03
5781	0.03
5782	0.031
5783	0.03
5784	0.029
5785	0.03
5786	0.029
5787	0.03
5788	0.03
5789	0.029
5790	0.029
5791	0.03
5792	0.03
5793	0.03
5794	0.031
5795	0.03
5796	0.028
5797	0.029
5798	0.029
5799	0.028
5800	0.028
5801	0.029
5802	0.03
5803	0.028
5804	0.028
5805	0.03
5806	0.03
5807	0.029
5808	0.028

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

5809	0.03
5810	0.028
5811	0.03
5812	0.031
5813	0.029
5814	0.029
5815	0.028
5816	0.026
5817	0.027
5818	0.027
5819	0.025
5820	0.024
5821	0.025
5822	0.025
5823	0.025
5824	0.026
5825	0.025
5826	0.025
5827	0.026
5828	0.025
5829	0.023
5830	0.024
5831	0.025
5832	0.025
5833	0.027
5834	0.027
5835	0.026
5836	0.026
5837	0.025
5838	0.025
5839	0.025
5840	0.025
5841	0.024
5842	0.026
5843	0.026
5844	0.027
5845	0.029
5846	0.027
5847	0.027
5848	0.026
5849	0.026
5850	0.025
5851	0.027
5852	0.026
5853	0.025
5854	0.026
5855	0.025
5856	0.027

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

5857	0.026
5858	0.025
5859	0.027
5860	0.027
5861	0.026
5862	0.026
5863	0.026
5864	0.027
5865	0.026
5866	0.027
5867	0.026
5868	0.027
5869	0.027
5870	0.027
5871	0.027
5872	0.026
5873	0.026
5874	0.025
5875	0.026
5876	0.027
5877	0.026
5878	0.026
5879	0.026
5880	0.026
5881	0.026
5882	0.028
5883	0.026
5884	0.024
5885	0.026
5886	0.026
5887	0.028
5888	0.027
5889	0.027
5890	0.025
5891	0.025
5892	0.027
5893	0.028
5894	0.027
5895	0.026
5896	0.027
5897	0.025
5898	0.027
5899	0.029
5900	0.028
5901	0.028
5902	0.027
5903	0.026
5904	0.026

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

5905	0.027
5906	0.029
5907	0.028
5908	0.027
5909	0.029
5910	0.028
5911	0.028
5912	0.027
5913	0.028
5914	0.028
5915	0.029
5916	0.029
5917	0.029
5918	0.028
5919	0.028
5920	0.028
5921	0.027
5922	0.029
5923	0.03
5924	0.031
5925	0.03
5926	0.027
5927	0.027
5928	0.028
5929	0.028
5930	0.027
5931	0.026
5932	0.027
5933	0.026
5934	0.026
5935	0.028
5936	0.027
5937	0.026
5938	0.026
5939	0.023
5940	0.025
5941	0.025
5942	0.024
5943	0.026
5944	0.027
5945	0.028
5946	0.028
5947	0.027
5948	0.026
5949	0.028
5950	0.026
5951	0.025
5952	0.027

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

5953	0.027
5954	0.025
5955	0.026
5956	0.026
5957	0.027
5958	0.029
5959	0.028
5960	0.026
5961	0.027
5962	0.027
5963	0.025
5964	0.026
5965	0.026
5966	0.026
5967	0.025
5968	0.025
5969	0.026
5970	0.026
5971	0.025
5972	0.026
5973	0.029
5974	0.03
5975	0.027
5976	0.027
5977	0.027
5978	0.028
5979	0.029
5980	0.028
5981	0.026
5982	0.027
5983	0.029
5984	0.028
5985	0.028
5986	0.028
5987	0.028
5988	0.029
5989	0.028
5990	0.029
5991	0.03
5992	0.03
5993	0.029
5994	0.028
5995	0.027
5996	0.027
5997	0.026
5998	0.027
5999	0.029
6000	0.027

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

6001	0.026
6002	0.026
6003	0.026
6004	0.026
6005	0.029
6006	0.031
6007	0.028
6008	0.029
6009	0.029
6010	0.029
6011	0.027
6012	0.028
6013	0.026
6014	0.026
6015	0.027
6016	0.027
6017	0.025
6018	0.027
6019	0.028
6020	0.028
6021	0.025
6022	0.026
6023	0.026
6024	0.025
6025	0.025
6026	0.024
6027	0.024
6028	0.024
6029	0.024
6030	0.024
6031	0.023
6032	0.023
6033	0.023
6034	0.024
6035	0.023
6036	0.025
6037	0.025
6038	0.023
6039	0.023
6040	0.024
6041	0.025
6042	0.024
6043	0.024
6044	0.024
6045	0.025
6046	0.026
6047	0.025
6048	0.024

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

6049	0.023
6050	0.024
6051	0.022
6052	0.023
6053	0.025
6054	0.024
6055	0.023
6056	0.025
6057	0.026
6058	0.025
6059	0.023
6060	0.023
6061	0.024
6062	0.023
6063	0.023
6064	0.025
6065	0.026
6066	0.026
6067	0.026
6068	0.025
6069	0.025
6070	0.023
6071	0.024
6072	0.024
6073	0.024
6074	0.024
6075	0.024
6076	0.024
6077	0.024
6078	0.024
6079	0.023
6080	0.023
6081	0.022
6082	0.024
6083	0.024
6084	0.024
6085	0.024
6086	0.025
6087	0.025
6088	0.025
6089	0.024
6090	0.024
6091	0.023
6092	0.022
6093	0.022
6094	0.022
6095	0.022
6096	0.024

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

6097	0.025
6098	0.025
6099	0.025
6100	0.025
6101	0.024
6102	0.025
6103	0.025
6104	0.023
6105	0.024
6106	0.025
6107	0.024
6108	0.025
6109	0.025
6110	0.024
6111	0.024
6112	0.026
6113	0.026
6114	0.024
6115	0.025
6116	0.025
6117	0.025
6118	0.025
6119	0.025
6120	0.025
6121	0.025
6122	0.025
6123	0.024
6124	0.024
6125	0.024
6126	0.025
6127	0.025
6128	0.024
6129	0.025
6130	0.024
6131	0.025
6132	0.025
6133	0.025
6134	0.025
6135	0.025
6136	0.024
6137	0.025
6138	0.026
6139	0.027
6140	0.026
6141	0.025
6142	0.025
6143	0.025
6144	0.025

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

6145	0.025
6146	0.026
6147	0.027
6148	0.026
6149	0.027
6150	0.027
6151	0.027
6152	0.027
6153	0.026
6154	0.025
6155	0.025
6156	0.027
6157	0.029
6158	0.027
6159	0.028
6160	0.027
6161	0.027
6162	0.027
6163	0.026
6164	0.026
6165	0.026
6166	0.026
6167	0.028
6168	0.029
6169	0.027
6170	0.03
6171	0.034
6172	0.033
6173	0.033
6174	0.031
6175	0.031
6176	0.031
6177	0.032
6178	0.031
6179	0.03
6180	0.031
6181	0.032
6182	0.033
6183	0.032
6184	0.032
6185	0.032
6186	0.034
6187	0.034
6188	0.032
6189	0.031
6190	0.031
6191	0.034
6192	0.035

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

6193	0.033
6194	0.031
6195	0.031
6196	0.03
6197	0.031
6198	0.032
6199	0.032
6200	0.033
6201	0.034
6202	0.034
6203	0.033
6204	0.037
6205	0.037
6206	0.034
6207	0.033
6208	0.034
6209	0.034
6210	0.033
6211	0.033
6212	0.031
6213	0.032
6214	0.033
6215	0.033
6216	0.031
6217	0.03
6218	0.03
6219	0.032
6220	0.032
6221	0.032
6222	0.032
6223	0.031
6224	0.03
6225	0.032
6226	0.033
6227	0.032
6228	0.031
6229	0.028
6230	0.03
6231	0.032
6232	0.033
6233	0.031
6234	0.031
6235	0.032
6236	0.032
6237	0.031
6238	0.031
6239	0.033
6240	0.032

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

6241	0.032
6242	0.03
6243	0.031
6244	0.031
6245	0.03
6246	0.03
6247	0.028
6248	0.028
6249	0.029
6250	0.027
6251	0.029
6252	0.029
6253	0.029
6254	0.03
6255	0.031
6256	0.03
6257	0.028
6258	0.027
6259	0.029
6260	0.03
6261	0.03
6262	0.029
6263	0.029
6264	0.031
6265	0.028
6266	0.029
6267	0.031
6268	0.029
6269	0.027
6270	0.029
6271	0.03
6272	0.028
6273	0.028
6274	0.029
6275	0.029
6276	0.028
6277	0.029
6278	0.029
6279	0.027
6280	0.028
6281	0.029
6282	0.028
6283	0.029
6284	0.027
6285	0.027
6286	0.028
6287	0.027
6288	0.026

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

6289	0.027
6290	0.027
6291	0.029
6292	0.028
6293	0.025
6294	0.027
6295	0.029
6296	0.028
6297	0.026
6298	0.026
6299	0.026
6300	0.025
6301	0.026
6302	0.027
6303	0.028
6304	0.025
6305	0.025
6306	0.026
6307	0.026
6308	0.027
6309	0.027
6310	0.025
6311	0.026
6312	0.026
6313	0.026
6314	0.028
6315	0.027
6316	0.026
6317	0.026
6318	0.026
6319	0.025
6320	0.027
6321	0.026
6322	0.025
6323	0.026
6324	0.024
6325	0.026
6326	0.026
6327	0.027
6328	0.028
6329	0.028
6330	0.027
6331	0.027
6332	0.028
6333	0.028
6334	0.026
6335	0.028
6336	0.029

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

6337	0.028
6338	0.027
6339	0.026
6340	0.027
6341	0.029
6342	0.03
6343	0.03
6344	0.029
6345	0.028
6346	0.028
6347	0.028
6348	0.028
6349	0.029
6350	0.029
6351	0.03
6352	0.028
6353	0.028
6354	0.029
6355	0.028
6356	0.028
6357	0.03
6358	0.027
6359	0.028
6360	0.028
6361	0.029
6362	0.027
6363	0.026
6364	0.028
6365	0.028
6366	0.028
6367	0.026
6368	0.027
6369	0.026
6370	0.027
6371	0.029
6372	0.027
6373	0.027
6374	0.027
6375	0.026
6376	0.027
6377	0.028
6378	0.027
6379	0.026
6380	0.03
6381	0.03
6382	0.028
6383	0.03
6384	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

6385	0.031
6386	0.032
6387	0.032
6388	0.031
6389	0.029
6390	0.027
6391	0.027
6392	0.029
6393	0.029
6394	0.031
6395	0.031
6396	0.032
6397	0.033
6398	0.035
6399	0.035
6400	0.032
6401	0.028
6402	0.028
6403	0.026
6404	0.025
6405	0.026
6406	0.026
6407	0.027
6408	0.027
6409	0.027
6410	0.027
6411	0.026
6412	0.025
6413	0.024
6414	0.026
6415	0.026
6416	0.026
6417	0.024
6418	0.027
6419	0.025
6420	0.024
6421	0.025
6422	0.025
6423	0.024
6424	0.024
6425	0.025
6426	0.024
6427	0.025
6428	0.026
6429	0.026
6430	0.027
6431	0.028
6432	0.027

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

6433	0.025
6434	0.026
6435	0.026
6436	0.027
6437	0.028
6438	0.028
6439	0.026
6440	0.027
6441	0.027
6442	0.028
6443	0.026
6444	0.027
6445	0.027
6446	0.025
6447	0.026
6448	0.027
6449	0.028
6450	0.026
6451	0.025
6452	0.023
6453	0.023
6454	0.024
6455	0.024
6456	0.024
6457	0.025
6458	0.025
6459	0.024
6460	0.024
6461	0.025
6462	0.026
6463	0.027
6464	0.025
6465	0.026
6466	0.027
6467	0.027
6468	0.027
6469	0.025
6470	0.025
6471	0.025
6472	0.025
6473	0.025
6474	0.026
6475	0.026
6476	0.025
6477	0.024
6478	0.023
6479	0.024
6480	0.026

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

6481	0.026
6482	0.026
6483	0.025
6484	0.023
6485	0.022
6486	0.023
6487	0.024
6488	0.024
6489	0.026
6490	0.026
6491	0.022
6492	0.022
6493	0.026
6494	0.027
6495	0.023
6496	0.026
6497	0.028
6498	0.026
6499	0.027
6500	0.027
6501	0.027
6502	0.026
6503	0.026
6504	0.027
6505	0.027
6506	0.028
6507	0.026
6508	0.026
6509	0.027
6510	0.029
6511	0.028
6512	0.027
6513	0.028
6514	0.028
6515	0.026
6516	0.027
6517	0.028
6518	0.03
6519	0.029
6520	0.027
6521	0.026
6522	0.027
6523	0.03
6524	0.029
6525	0.028
6526	0.028
6527	0.026
6528	0.028

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

6529	0.028
6530	0.028
6531	0.028
6532	0.029
6533	0.028
6534	0.028
6535	0.028
6536	0.03
6537	0.029
6538	0.028
6539	0.028
6540	0.027
6541	0.025
6542	0.024
6543	0.024
6544	0.023
6545	0.022
6546	0.022
6547	0.022
6548	0.024
6549	0.025
6550	0.025
6551	0.025
6552	0.025
6553	0.025
6554	0.023
6555	0.023
6556	0.023
6557	0.023
6558	0.025
6559	0.024
6560	0.023
6561	0.024
6562	0.024
6563	0.025
6564	0.026
6565	0.026
6566	0.026
6567	0.025
6568	0.025
6569	0.026
6570	0.03
6571	0.031
6572	0.028
6573	0.027
6574	0.029
6575	0.028
6576	0.026

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

6577	0.024
6578	0.023
6579	0.024
6580	0.025
6581	0.023
6582	0.023
6583	0.024
6584	0.023
6585	0.024
6586	0.023
6587	0.023
6588	0.024
6589	0.025
6590	0.025
6591	0.024
6592	0.024
6593	0.025
6594	0.024
6595	0.023
6596	0.025
6597	0.025
6598	0.025
6599	0.025
6600	0.025
6601	0.025
6602	0.025
6603	0.026
6604	0.026
6605	0.027
6606	0.028
6607	0.029
6608	0.029
6609	0.029
6610	0.03
6611	0.03
6612	0.028
6613	0.027
6614	0.027
6615	0.025
6616	0.025
6617	0.027
6618	0.026
6619	0.026
6620	0.024
6621	0.025
6622	0.028
6623	0.028
6624	0.028

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

6625	0.026
6626	0.025
6627	0.027
6628	0.029
6629	0.028
6630	0.026
6631	0.026
6632	0.026
6633	0.028
6634	0.029
6635	0.027
6636	0.026
6637	0.026
6638	0.026
6639	0.026
6640	0.025
6641	0.025
6642	0.025
6643	0.025
6644	0.025
6645	0.025
6646	0.025
6647	0.023
6648	0.022
6649	0.025
6650	0.025
6651	0.023
6652	0.023
6653	0.022
6654	0.023
6655	0.023
6656	0.023
6657	0.024
6658	0.024
6659	0.025
6660	0.025
6661	0.024
6662	0.025
6663	0.024
6664	0.023
6665	0.024
6666	0.024
6667	0.027
6668	0.026
6669	0.025
6670	0.026
6671	0.027
6672	0.026

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

6673	0.027
6674	0.027
6675	0.027
6676	0.027
6677	0.026
6678	0.026
6679	0.027
6680	0.027
6681	0.027
6682	0.025
6683	0.024
6684	0.026
6685	0.026
6686	0.027
6687	0.027
6688	0.027
6689	0.029
6690	0.028
6691	0.028
6692	0.027
6693	0.027
6694	0.027
6695	0.026
6696	0.026
6697	0.023
6698	0.022
6699	0.022
6700	0.023
6701	0.026
6702	0.026
6703	0.026
6704	0.025
6705	0.028
6706	0.028
6707	0.028
6708	0.03
6709	0.029
6710	0.03
6711	0.031
6712	0.032
6713	0.034
6714	0.032
6715	0.032
6716	0.032
6717	0.03
6718	0.034
6719	0.034
6720	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

6721	0.03
6722	0.03
6723	0.031
6724	0.031
6725	0.03
6726	0.029
6727	0.031
6728	0.029
6729	0.028
6730	0.027
6731	0.026
6732	0.027
6733	0.027
6734	0.027
6735	0.029
6736	0.028
6737	0.027
6738	0.026
6739	0.027
6740	0.028
6741	0.028
6742	0.026
6743	0.025
6744	0.027
6745	0.026
6746	0.026
6747	0.025
6748	0.024
6749	0.026
6750	0.025
6751	0.024
6752	0.024
6753	0.024
6754	0.024
6755	0.024
6756	0.025
6757	0.027
6758	0.03
6759	0.028
6760	0.027
6761	0.027
6762	0.027
6763	0.03
6764	0.031
6765	0.028
6766	0.026
6767	0.026
6768	0.025

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

6769	0.024
6770	0.026
6771	0.028
6772	0.031
6773	0.032
6774	0.031
6775	0.03
6776	0.028
6777	0.026
6778	0.028
6779	0.026
6780	0.022
6781	0.023
6782	0.026
6783	0.025
6784	0.025
6785	0.027
6786	0.025
6787	0.025
6788	0.026
6789	0.025
6790	0.025
6791	0.026
6792	0.026
6793	0.025
6794	0.027
6795	0.027
6796	0.028
6797	0.028
6798	0.026
6799	0.027
6800	0.028
6801	0.027
6802	0.027
6803	0.028
6804	0.029
6805	0.029
6806	0.028
6807	0.028
6808	0.029
6809	0.029
6810	0.03
6811	0.029
6812	0.028
6813	0.027
6814	0.026
6815	0.027
6816	0.029

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

6817	0.026
6818	0.027
6819	0.028
6820	0.028
6821	0.026
6822	0.026
6823	0.025
6824	0.026
6825	0.029
6826	0.029
6827	0.029
6828	0.026
6829	0.027
6830	0.027
6831	0.028
6832	0.028
6833	0.027
6834	0.026
6835	0.029
6836	0.032
6837	0.031
6838	0.029
6839	0.028
6840	0.028
6841	0.027
6842	0.027
6843	0.024
6844	0.025
6845	0.025
6846	0.027
6847	0.026
6848	0.024
6849	0.025
6850	0.026
6851	0.026
6852	0.026
6853	0.027
6854	0.024
6855	0.025
6856	0.026
6857	0.026
6858	0.025
6859	0.025
6860	0.026
6861	0.027
6862	0.024
6863	0.025
6864	0.024

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

6865	0.025
6866	0.025
6867	0.027
6868	0.026
6869	0.028
6870	0.026
6871	0.026
6872	0.026
6873	0.027
6874	0.026
6875	0.025
6876	0.024
6877	0.026
6878	0.025
6879	0.026
6880	0.026
6881	0.025
6882	0.025
6883	0.026
6884	0.026
6885	0.025
6886	0.025
6887	0.027
6888	0.026
6889	0.025
6890	0.026
6891	0.026
6892	0.027
6893	0.028
6894	0.028
6895	0.027
6896	0.026
6897	0.026
6898	0.024
6899	0.023
6900	0.023
6901	0.025
6902	0.027
6903	0.025
6904	0.025
6905	0.024
6906	0.023
6907	0.022
6908	0.024
6909	0.027
6910	0.025
6911	0.025
6912	0.025

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

6913	0.025
6914	0.025
6915	0.026
6916	0.026
6917	0.027
6918	0.027
6919	0.027
6920	0.026
6921	0.026
6922	0.027
6923	0.027
6924	0.026
6925	0.024
6926	0.025
6927	0.025
6928	0.028
6929	0.028
6930	0.027
6931	0.027
6932	0.029
6933	0.028
6934	0.028
6935	0.028
6936	0.027
6937	0.028
6938	0.029
6939	0.03
6940	0.028
6941	0.029
6942	0.03
6943	0.032
6944	0.03
6945	0.028
6946	0.028
6947	0.026
6948	0.026
6949	0.027
6950	0.026
6951	0.023
6952	0.023
6953	0.024
6954	0.026
6955	0.027
6956	0.025
6957	0.028
6958	0.03
6959	0.029
6960	0.026

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

6961	0.026
6962	0.026
6963	0.025
6964	0.024
6965	0.026
6966	0.027
6967	0.028
6968	0.028
6969	0.028
6970	0.028
6971	0.028
6972	0.03
6973	0.027
6974	0.025
6975	0.028
6976	0.027
6977	0.025
6978	0.025
6979	0.028
6980	0.028
6981	0.027
6982	0.028
6983	0.028
6984	0.029
6985	0.029
6986	0.03
6987	0.032
6988	0.029
6989	0.029
6990	0.029
6991	0.029
6992	0.03
6993	0.028
6994	0.027
6995	0.027
6996	0.029
6997	0.027
6998	0.027
6999	0.028
7000	0.028
7001	0.027
7002	0.028
7003	0.028
7004	0.027
7005	0.026
7006	0.026
7007	0.026
7008	0.027

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

7009	0.027
7010	0.026
7011	0.026
7012	0.026
7013	0.026
7014	0.026
7015	0.028
7016	0.028
7017	0.028
7018	0.027
7019	0.027
7020	0.027
7021	0.027
7022	0.028
7023	0.029
7024	0.029
7025	0.028
7026	0.028
7027	0.027
7028	0.028
7029	0.029
7030	0.027
7031	0.028
7032	0.028
7033	0.03
7034	0.035
7035	0.027
7036	0.027
7037	0.027
7038	0.027
7039	0.027
7040	0.027
7041	0.027
7042	0.028
7043	0.027
7044	0.029
7045	0.031
7046	0.03
7047	0.028
7048	0.029
7049	0.031
7050	0.029
7051	0.029
7052	0.031
7053	0.031
7054	0.03
7055	0.031
7056	0.033

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

7057	0.031
7058	0.03
7059	0.029
7060	0.03
7061	0.029
7062	0.028
7063	0.028
7064	0.03
7065	0.029
7066	0.027
7067	0.027
7068	0.029
7069	0.029
7070	0.029
7071	0.029
7072	0.027
7073	0.027
7074	0.028
7075	0.028
7076	0.027
7077	0.027
7078	0.027
7079	0.029
7080	0.029
7081	0.025
7082	0.027
7083	0.028
7084	0.026
7085	0.027
7086	0.027
7087	0.025
7088	0.027
7089	0.026
7090	0.026
7091	0.026
7092	0.026
7093	0.027
7094	0.026
7095	0.025
7096	0.024
7097	0.023
7098	0.025
7099	0.026
7100	0.025
7101	0.025
7102	0.025
7103	0.025
7104	0.024

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

7105	0.023
7106	0.024
7107	0.023
7108	0.025
7109	0.026
7110	0.027
7111	0.026
7112	0.024
7113	0.024
7114	0.025
7115	0.026
7116	0.024
7117	0.023
7118	0.024
7119	0.025
7120	0.024
7121	0.023
7122	0.022
7123	0.023
7124	0.024
7125	0.023
7126	0.023
7127	0.022
7128	0.023
7129	0.023
7130	0.024
7131	0.023
7132	0.022
7133	0.023
7134	0.022
7135	0.023
7136	0.023
7137	0.023
7138	0.022
7139	0.021
7140	0.023
7141	0.024
7142	0.024
7143	0.024
7144	0.023
7145	0.025
7146	0.024
7147	0.025
7148	0.024
7149	0.024
7150	0.026
7151	0.024
7152	0.024

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

7153	0.025
7154	0.026
7155	0.025
7156	0.024
7157	0.023
7158	0.024
7159	0.026
7160	0.024
7161	0.024
7162	0.025
7163	0.024
7164	0.023
7165	0.023
7166	0.023
7167	0.023
7168	0.024
7169	0.024
7170	0.025
7171	0.025
7172	0.024
7173	0.024
7174	0.024
7175	0.026
7176	0.025
7177	0.024
7178	0.025
7179	0.023
7180	0.024
7181	0.026
7182	0.025
7183	0.024
7184	0.024
7185	0.024
7186	0.025
7187	0.025
7188	0.025
7189	0.025
7190	0.025
7191	0.025
7192	0.027
7193	0.026
7194	0.026
7195	0.026
7196	0.027
7197	0.026
7198	0.025
7199	0.024
7200	0.026

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

7201	0.029
7202	0.027
7203	0.027
7204	0.027
7205	0.026
7206	0.026
7207	0.025
7208	0.026
7209	0.026
7210	0.025
7211	0.026
7212	0.027
7213	0.024
7214	0.023
7215	0.024
7216	0.024
7217	0.024
7218	0.023
7219	0.023
7220	0.023
7221	0.023
7222	0.023
7223	0.023
7224	0.024
7225	0.023
7226	0.024
7227	0.025
7228	0.025
7229	0.025
7230	0.025
7231	0.027
7232	0.026
7233	0.026
7234	0.024
7235	0.024
7236	0.026
7237	0.027
7238	0.028
7239	0.025
7240	0.026
7241	0.028
7242	0.029
7243	0.028
7244	0.028
7245	0.027
7246	0.027
7247	0.03
7248	0.03

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

7249	0.028
7250	0.026
7251	0.025
7252	0.027
7253	0.027
7254	0.027
7255	0.028
7256	0.028
7257	0.028
7258	0.028
7259	0.028
7260	0.029
7261	0.03
7262	0.032
7263	0.028
7264	0.027
7265	0.025
7266	0.027
7267	0.028
7268	0.028
7269	0.026
7270	0.024
7271	0.026
7272	0.026
7273	0.024
7274	0.025
7275	0.026
7276	0.025
7277	0.026
7278	0.024
7279	0.025
7280	0.027
7281	0.025
7282	0.026
7283	0.028
7284	0.027
7285	0.028
7286	0.028
7287	0.027
7288	0.026
7289	0.026
7290	0.027
7291	0.027
7292	0.027
7293	0.027
7294	0.028
7295	0.027
7296	0.028

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

7297	0.027
7298	0.029
7299	0.028
7300	0.028
7301	0.027
7302	0.03
7303	0.03
7304	0.03
7305	0.03
7306	0.03
7307	0.031
7308	0.03
7309	0.03
7310	0.03
7311	0.03
7312	0.031
7313	0.031
7314	0.03
7315	0.029
7316	0.028
7317	0.027
7318	0.027
7319	0.027
7320	0.027
7321	0.027
7322	0.026
7323	0.024
7324	0.024
7325	0.026
7326	0.027
7327	0.024
7328	0.023
7329	0.024
7330	0.024
7331	0.024
7332	0.025
7333	0.028
7334	0.028
7335	0.026
7336	0.026
7337	0.026
7338	0.027
7339	0.026
7340	0.028
7341	0.029
7342	0.027
7343	0.028
7344	0.029

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

7345	0.028
7346	0.028
7347	0.026
7348	0.025
7349	0.025
7350	0.026
7351	0.026
7352	0.027
7353	0.028
7354	0.026
7355	0.026
7356	0.027
7357	0.027
7358	0.027
7359	0.027
7360	0.028
7361	0.028
7362	0.027
7363	0.028
7364	0.028
7365	0.027
7366	0.029
7367	0.027
7368	0.028
7369	0.029
7370	0.029
7371	0.028
7372	0.027
7373	0.027
7374	0.027
7375	0.026
7376	0.027
7377	0.026
7378	0.026
7379	0.027
7380	0.028
7381	0.028
7382	0.028
7383	0.028
7384	0.028
7385	0.028
7386	0.027
7387	0.026
7388	0.026
7389	0.028
7390	0.028
7391	0.028
7392	0.026

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

7393	0.027
7394	0.027
7395	0.026
7396	0.03
7397	0.028
7398	0.025
7399	0.024
7400	0.023
7401	0.023
7402	0.024
7403	0.023
7404	0.024
7405	0.024
7406	0.024
7407	0.024
7408	0.024
7409	0.025
7410	0.025
7411	0.026
7412	0.025
7413	0.025
7414	0.027
7415	0.027
7416	0.028
7417	0.027
7418	0.027
7419	0.028
7420	0.028
7421	0.028
7422	0.049
7423	0.029
7424	0.027
7425	0.028
7426	0.027
7427	0.028
7428	0.027
7429	0.026
7430	0.026
7431	0.027
7432	0.029
7433	0.028
7434	0.034
7435	0.029
7436	0.03
7437	0.031
7438	0.034
7439	0.033
7440	0.034

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

7441	0.033
7442	0.031
7443	0.03
7444	0.03
7445	0.03
7446	0.031
7447	0.031
7448	0.027
7449	0.029
7450	0.033
7451	0.031
7452	0.027
7453	0.025
7454	0.03
7455	0.032
7456	0.029
7457	0.028
7458	0.026
7459	0.025
7460	0.025
7461	0.025
7462	0.024
7463	0.025
7464	0.026
7465	0.029
7466	0.028
7467	0.025
7468	0.027
7469	0.027
7470	0.027
7471	0.028
7472	0.028
7473	0.029
7474	0.029
7475	0.028
7476	0.029
7477	0.028
7478	0.027
7479	0.026
7480	0.026
7481	0.025
7482	0.025
7483	0.025
7484	0.025
7485	0.025
7486	0.026
7487	0.026
7488	0.025

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

7489	0.024
7490	0.024
7491	0.026
7492	0.026
7493	0.026
7494	0.026
7495	0.027
7496	0.025
7497	0.025
7498	0.024
7499	0.023
7500	0.022
7501	0.023
7502	0.024
7503	0.022
7504	0.021
7505	0.022
7506	0.024
7507	0.022
7508	0.021
7509	0.022
7510	0.023
7511	0.023
7512	0.023
7513	0.024
7514	0.025
7515	0.024
7516	0.023
7517	0.023
7518	0.025
7519	0.024
7520	0.023
7521	0.022
7522	0.023
7523	0.024
7524	0.024
7525	0.024
7526	0.023
7527	0.024
7528	0.023
7529	0.023
7530	0.022
7531	0.023
7532	0.024
7533	0.026
7534	0.024
7535	0.023
7536	0.024

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

7537	0.024
7538	0.025
7539	0.023
7540	0.023
7541	0.024
7542	0.025
7543	0.025
7544	0.026
7545	0.025
7546	0.025
7547	0.025
7548	0.023
7549	0.025
7550	0.025
7551	0.023
7552	0.025
7553	0.026
7554	0.024
7555	0.025
7556	0.024
7557	0.024
7558	0.026
7559	0.025
7560	0.025
7561	0.025
7562	0.025
7563	0.026
7564	0.024
7565	0.024
7566	0.027
7567	0.028
7568	0.026
7569	0.029
7570	0.028
7571	0.024
7572	0.025
7573	0.026
7574	0.027
7575	0.026
7576	0.025
7577	0.024
7578	0.025
7579	0.025
7580	0.023
7581	0.025
7582	0.026
7583	0.026
7584	0.028

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

7585	0.029
7586	0.03
7587	0.031
7588	0.032
7589	0.036
7590	0.035
7591	0.034
7592	0.034
7593	0.035
7594	0.036
7595	0.035
7596	0.033
7597	0.032
7598	0.031
7599	0.029
7600	0.03
7601	0.029
7602	0.029
7603	0.03
7604	0.029
7605	0.028
7606	0.028
7607	0.029
7608	0.029
7609	0.027
7610	0.027
7611	0.026
7612	0.026
7613	0.026
7614	0.027
7615	0.028
7616	0.028
7617	0.028
7618	0.028
7619	0.027
7620	0.027
7621	0.028
7622	0.029
7623	0.026
7624	0.025
7625	0.027
7626	0.027
7627	0.027
7628	0.027
7629	0.026
7630	0.026
7631	0.028
7632	0.028

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

7633	0.028
7634	0.027
7635	0.027
7636	0.028
7637	0.027
7638	0.027
7639	0.026
7640	0.026
7641	0.029
7642	0.029
7643	0.03
7644	0.03
7645	0.027
7646	0.027
7647	0.028
7648	0.028
7649	0.03
7650	0.029
7651	0.029
7652	0.029
7653	0.029
7654	0.029
7655	0.03
7656	0.03
7657	0.029
7658	0.029
7659	0.03
7660	0.03
7661	0.029
7662	0.029
7663	0.03
7664	0.028
7665	0.029
7666	0.03
7667	0.029
7668	0.03
7669	0.03
7670	0.029
7671	0.029
7672	0.027
7673	0.029
7674	0.03
7675	0.028
7676	0.028
7677	0.029
7678	0.028
7679	0.027
7680	0.029

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

7681	0.028
7682	0.028
7683	0.029
7684	0.029
7685	0.028
7686	0.03
7687	0.031
7688	0.03
7689	0.03
7690	0.029
7691	0.028
7692	0.029
7693	0.028
7694	0.028
7695	0.028
7696	0.027
7697	0.028
7698	0.028
7699	0.029
7700	0.027
7701	0.027
7702	0.028
7703	0.03
7704	0.029
7705	0.027
7706	0.029
7707	0.028
7708	0.027
7709	0.026
7710	0.023
7711	0.023
7712	0.024
7713	0.024
7714	0.025
7715	0.026
7716	0.024
7717	0.025
7718	0.024
7719	0.025
7720	0.026
7721	0.025
7722	0.024
7723	0.024
7724	0.025
7725	0.024
7726	0.024
7727	0.023
7728	0.024

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

7729	0.024
7730	0.024
7731	0.023
7732	0.024
7733	0.024
7734	0.024
7735	0.027
7736	0.028
7737	0.024
7738	0.023
7739	0.023
7740	0.023
7741	0.024
7742	0.026
7743	0.025
7744	0.024
7745	0.025
7746	0.024
7747	0.024
7748	0.025
7749	0.025
7750	0.025
7751	0.025
7752	0.023
7753	0.022
7754	0.024
7755	0.025
7756	0.024
7757	0.024
7758	0.026
7759	0.025
7760	0.026
7761	0.028
7762	0.027
7763	0.027
7764	0.027
7765	0.026
7766	0.025
7767	0.024
7768	0.025
7769	0.025
7770	0.024
7771	0.025
7772	0.026
7773	0.028
7774	0.029
7775	0.027
7776	0.029

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

7777	0.029
7778	0.028
7779	0.029
7780	0.026
7781	0.025
7782	0.025
7783	0.025
7784	0.025
7785	0.026
7786	0.026
7787	0.025
7788	0.028
7789	0.033
7790	0.034
7791	0.033
7792	0.028
7793	0.028
7794	0.028
7795	0.027
7796	0.029
7797	0.028
7798	0.026
7799	0.028
7800	0.027
7801	0.027
7802	0.027
7803	0.027
7804	0.028
7805	0.026
7806	0.027
7807	0.027
7808	0.027
7809	0.027
7810	0.028
7811	0.028
7812	0.028
7813	0.026
7814	0.027
7815	0.028
7816	0.028
7817	0.026
7818	0.027
7819	0.027
7820	0.028
7821	0.026
7822	0.025
7823	0.026
7824	0.027

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

7825	0.026
7826	0.026
7827	0.026
7828	0.029
7829	0.029
7830	0.027
7831	0.028
7832	0.029
7833	0.029
7834	0.03
7835	0.029
7836	0.029
7837	0.028
7838	0.029
7839	0.03
7840	0.03
7841	0.028
7842	0.028
7843	0.027
7844	0.028
7845	0.028
7846	0.028
7847	0.028
7848	0.029
7849	0.029
7850	0.03
7851	0.032
7852	0.031
7853	0.03
7854	0.029
7855	0.029
7856	0.03
7857	0.029
7858	0.027
7859	0.027
7860	0.029
7861	0.028
7862	0.029
7863	0.029
7864	0.028
7865	0.027
7866	0.024
7867	0.024
7868	0.024
7869	0.023
7870	0.026
7871	0.026
7872	0.024

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

7873	0.024
7874	0.026
7875	0.027
7876	0.027
7877	0.027
7878	0.026
7879	0.025
7880	0.025
7881	0.025
7882	0.025
7883	0.025
7884	0.024
7885	0.025
7886	0.026
7887	0.026
7888	0.025
7889	0.026
7890	0.026
7891	0.025
7892	0.026
7893	0.027
7894	0.028
7895	0.027
7896	0.026
7897	0.028
7898	0.028
7899	0.027
7900	0.028
7901	0.026
7902	0.024
7903	0.024
7904	0.025
7905	0.027
7906	0.028
7907	0.027
7908	0.028
7909	0.029
7910	0.029
7911	0.028
7912	0.025
7913	0.024
7914	0.023
7915	0.022
7916	0.023
7917	0.026
7918	0.027
7919	0.026
7920	0.026

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

7921	0.025
7922	0.025
7923	0.025
7924	0.025
7925	0.025
7926	0.025
7927	0.025
7928	0.024
7929	0.024
7930	0.023
7931	0.024
7932	0.024
7933	0.024
7934	0.023
7935	0.023
7936	0.025
7937	0.026
7938	0.024
7939	0.024
7940	0.024
7941	0.024
7942	0.024
7943	0.024
7944	0.024
7945	0.025
7946	0.024
7947	0.024
7948	0.024
7949	0.025
7950	0.025
7951	0.024
7952	0.024
7953	0.024
7954	0.023
7955	0.025
7956	0.025
7957	0.026
7958	0.025
7959	0.025
7960	0.026
7961	0.025
7962	0.025
7963	0.024
7964	0.024
7965	0.025
7966	0.026
7967	0.026
7968	0.026

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

7969	0.024
7970	0.025
7971	0.023
7972	0.023
7973	0.024
7974	0.025
7975	0.025
7976	0.025
7977	0.024
7978	0.024
7979	0.024
7980	0.025
7981	0.024
7982	0.026
7983	0.026
7984	0.025
7985	0.024
7986	0.025
7987	0.026
7988	0.024
7989	0.024
7990	0.025
7991	0.027
7992	0.026
7993	0.026
7994	0.026
7995	0.025
7996	0.026
7997	0.024
7998	0.024
7999	0.026
8000	0.027
8001	0.028
8002	0.026
8003	0.025
8004	0.026
8005	0.027
8006	0.025
8007	0.027
8008	0.029
8009	0.026
8010	0.026
8011	0.028
8012	0.028
8013	0.028
8014	0.026
8015	0.026
8016	0.028

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

8017	0.027
8018	0.026
8019	0.026
8020	0.028
8021	0.028
8022	0.027
8023	0.028
8024	0.03
8025	0.029
8026	0.029
8027	0.028
8028	0.027
8029	0.026
8030	0.027
8031	0.029
8032	0.029
8033	0.028
8034	0.026
8035	0.026
8036	0.026
8037	0.027
8038	0.027
8039	0.028
8040	0.028
8041	0.028
8042	0.027
8043	0.027
8044	0.028
8045	0.029
8046	0.029
8047	0.03
8048	0.027
8049	0.027
8050	0.027
8051	0.027
8052	0.029
8053	0.039
8054	0.046
8055	0.036
8056	0.029
8057	0.029
8058	0.03
8059	0.034
8060	0.044
8061	0.037
8062	0.04
8063	0.04
8064	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

8065	0.032
8066	0.031
8067	0.027
8068	0.028
8069	0.027
8070	0.027
8071	0.028
8072	0.03
8073	0.035
8074	0.038
8075	0.04
8076	0.044
8077	0.038
8078	0.045
8079	0.05
8080	0.052
8081	0.061
8082	0.055
8083	0.049
8084	0.045
8085	0.056
8086	0.064
8087	0.063
8088	0.053
8089	0.049
8090	0.046
8091	0.043
8092	0.041
8093	0.042
8094	0.039
8095	0.042
8096	0.041
8097	0.038
8098	0.037
8099	0.04
8100	0.039
8101	0.038
8102	0.036
8103	0.037
8104	0.037
8105	0.039
8106	0.044
8107	0.041
8108	0.042
8109	0.04
8110	0.04
8111	0.04
8112	0.039

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

8113	0.041
8114	0.047
8115	0.042
8116	0.04
8117	0.038
8118	0.037
8119	0.035
8120	0.036
8121	0.036
8122	0.036
8123	0.037
8124	0.041
8125	0.045
8126	0.041
8127	0.042
8128	0.038
8129	0.036
8130	0.036
8131	0.036
8132	0.034
8133	0.032
8134	0.035
8135	0.038
8136	0.04
8137	0.039
8138	0.041
8139	0.042
8140	0.039
8141	0.037
8142	0.035
8143	0.033
8144	0.036
8145	0.039
8146	0.041
8147	0.037
8148	0.034
8149	0.031
8150	0.035
8151	0.043
8152	0.036
8153	0.033
8154	0.033
8155	0.031
8156	0.032
8157	0.031
8158	0.032
8159	0.033
8160	0.036

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

8161	0.037
8162	0.035
8163	0.035
8164	0.036
8165	0.036
8166	0.036
8167	0.035
8168	0.034
8169	0.033
8170	0.034
8171	0.033
8172	0.03
8173	0.031
8174	0.031
8175	0.031
8176	0.034
8177	0.034
8178	0.035
8179	0.033
8180	0.035
8181	0.035
8182	0.031
8183	0.029
8184	0.03
8185	0.03
8186	0.027
8187	0.028
8188	0.029
8189	0.029
8190	0.032
8191	0.033
8192	0.03
8193	0.03
8194	0.029
8195	0.029
8196	0.029
8197	0.03
8198	0.03
8199	0.028
8200	0.029
8201	0.028
8202	0.029
8203	0.029
8204	0.028
8205	0.027
8206	0.027
8207	0.029
8208	0.03

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

8209	0.032
8210	0.03
8211	0.028
8212	0.027
8213	0.031
8214	0.031
8215	0.03
8216	0.031
8217	0.031
8218	0.029
8219	0.029
8220	0.029
8221	0.029
8222	0.03
8223	0.03
8224	0.029
8225	0.028
8226	0.03
8227	0.029
8228	0.027
8229	0.029
8230	0.03
8231	0.028
8232	0.029
8233	0.028
8234	0.028
8235	0.026
8236	0.027
8237	0.028
8238	0.028
8239	0.028
8240	0.03
8241	0.028
8242	0.027
8243	0.029
8244	0.029
8245	0.029
8246	0.029
8247	0.03
8248	0.03
8249	0.03
8250	0.032
8251	0.031
8252	0.029
8253	0.029
8254	0.029
8255	0.03
8256	0.03

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

8257	0.031
8258	0.031
8259	0.029
8260	0.029
8261	0.033
8262	0.032
8263	0.029
8264	0.032
8265	0.034
8266	0.03
8267	0.029
8268	0.028
8269	0.027
8270	0.027
8271	0.025
8272	0.026
8273	0.027
8274	0.026
8275	0.028
8276	0.028
8277	0.026
8278	0.026
8279	0.026
8280	0.026
8281	0.027
8282	0.025
8283	0.024
8284	0.024
8285	0.025
8286	0.027
8287	0.028
8288	0.028
8289	0.027
8290	0.027
8291	0.028
8292	0.027
8293	0.026
8294	0.026
8295	0.027
8296	0.028
8297	0.028
8298	0.027
8299	0.026
8300	0.027
8301	0.027
8302	0.028
8303	0.028
8304	0.027

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

8305	0.028
8306	0.029
8307	0.029
8308	0.029
8309	0.029
8310	0.031
8311	0.031
8312	0.031
8313	0.029
8314	0.03
8315	0.03
8316	0.029
8317	0.029
8318	0.027
8319	0.026
8320	0.027
8321	0.028
8322	0.027
8323	0.027
8324	0.028
8325	0.027
8326	0.026
8327	0.027
8328	0.028
8329	0.027
8330	0.029
8331	0.026
8332	0.026
8333	0.027
8334	0.028
8335	0.028
8336	0.026
8337	0.027
8338	0.029
8339	0.028
8340	0.025
8341	0.027
8342	0.028
8343	0.027
8344	0.026
8345	0.028
8346	0.029
8347	0.028
8348	0.028
8349	0.027
8350	0.028
8351	0.027
8352	0.027

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

8353	0.027
8354	0.027
8355	0.027
8356	0.028
8357	0.028
8358	0.028
8359	0.029
8360	0.029
8361	0.027
8362	0.028
8363	0.03
8364	0.028
8365	0.026
8366	0.025
8367	0.026
8368	0.026
8369	0.025
8370	0.025
8371	0.027
8372	0.026
8373	0.026
8374	0.027
8375	0.025
8376	0.026
8377	0.025
8378	0.025
8379	0.025
8380	0.025
8381	0.026
8382	0.025
8383	0.025
8384	0.024
8385	0.026
8386	0.025
8387	0.024
8388	0.025
8389	0.025
8390	0.026
8391	0.025
8392	0.025
8393	0.026
8394	0.027
8395	0.026
8396	0.025
8397	0.024
8398	0.024
8399	0.025
8400	0.026

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

8401	0.025
8402	0.026
8403	0.027
8404	0.026
8405	0.027
8406	0.026
8407	0.026
8408	0.026
8409	0.024
8410	0.025
8411	0.026
8412	0.028
8413	0.029
8414	0.026
8415	0.027
8416	0.028
8417	0.031
8418	0.03
8419	0.025
8420	0.026
8421	0.026
8422	0.027
8423	0.025
8424	0.025
8425	0.026
8426	0.026
8427	0.027
8428	0.025
8429	0.026
8430	0.027
8431	0.027
8432	0.026
8433	0.027
8434	0.026
8435	0.028
8436	0.028
8437	0.027
8438	0.028
8439	0.029
8440	0.029
8441	0.033
8442	0.038
8443	0.034
8444	0.033
8445	0.036
8446	0.03
8447	0.03
8448	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

8449	0.031
8450	0.032
8451	0.033
8452	0.037
8453	0.035
8454	0.031
8455	0.03
8456	0.028
8457	0.031
8458	0.031
8459	0.028
8460	0.029
8461	0.031
8462	0.03
8463	0.03
8464	0.028
8465	0.028
8466	0.029
8467	0.03
8468	0.029
8469	0.029
8470	0.029
8471	0.03
8472	0.033
8473	0.034
8474	0.032
8475	0.03
8476	0.029
8477	0.028
8478	0.029
8479	0.03
8480	0.029
8481	0.03
8482	0.032
8483	0.034
8484	0.032
8485	0.031
8486	0.033
8487	0.035
8488	0.036
8489	0.032
8490	0.03
8491	0.031
8492	0.03
8493	0.032
8494	0.032
8495	0.03
8496	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

8497	0.03
8498	0.03
8499	0.031
8500	0.033
8501	0.032
8502	0.032
8503	0.034
8504	0.032
8505	0.031
8506	0.032
8507	0.03
8508	0.029
8509	0.03
8510	0.03
8511	0.03
8512	0.031
8513	0.031
8514	0.031
8515	0.03
8516	0.03
8517	0.03
8518	0.028
8519	0.03
8520	0.032
8521	0.032
8522	0.032
8523	0.032
8524	0.033
8525	0.032
8526	0.03
8527	0.029
8528	0.028
8529	0.03
8530	0.032
8531	0.033
8532	0.032
8533	0.028
8534	0.028
8535	0.027
8536	0.028
8537	0.029
8538	0.03
8539	0.032
8540	0.031
8541	0.03
8542	0.028
8543	0.029
8544	0.03

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

8545	0.031
8546	0.032
8547	0.031
8548	0.031
8549	0.032
8550	0.032
8551	0.031
8552	0.031
8553	0.034
8554	0.033
8555	0.033
8556	0.034
8557	0.035
8558	0.034
8559	0.03
8560	0.03
8561	0.03
8562	0.031
8563	0.031
8564	0.036
8565	0.04
8566	0.038
8567	0.036
8568	0.036
8569	0.037
8570	0.038
8571	0.041
8572	0.043
8573	0.044
8574	0.041
8575	0.042
8576	0.042
8577	0.042
8578	0.042
8579	0.04
8580	0.042
8581	0.042
8582	0.044
8583	0.043
8584	0.042
8585	0.044
8586	0.044
8587	0.041
8588	0.038
8589	0.037
8590	0.038
8591	0.037
8592	0.038

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

8593	0.037
8594	0.038
8595	0.037
8596	0.036
8597	0.036
8598	0.038
8599	0.037
8600	0.038
8601	0.04
8602	0.039
8603	0.039
8604	0.044
8605	0.045
8606	0.043
8607	0.042
8608	0.041
8609	0.039
8610	0.04
8611	0.041
8612	0.042
8613	0.045
8614	0.044
8615	0.039
8616	0.039
8617	0.042
8618	0.035
8619	0.034
8620	0.035
8621	0.032
8622	0.033
8623	0.033
8624	0.031
8625	0.032
8626	0.032
8627	0.031
8628	0.03
8629	0.03
8630	0.029
8631	0.029
8632	0.029
8633	0.029
8634	0.03
8635	0.03
8636	0.03
8637	0.03
8638	0.028
8639	0.028
8640	0.028

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

8641	0.029
8642	0.028
8643	0.027
8644	0.031
8645	0.03
8646	0.028
8647	0.028
8648	0.029
8649	0.029
8650	0.031
8651	0.03
8652	0.029
8653	0.029
8654	0.029
8655	0.029
8656	0.03
8657	0.03
8658	0.029
8659	0.028
8660	0.03
8661	0.029
8662	0.029
8663	0.03
8664	0.033
8665	0.032
8666	0.032
8667	0.035
8668	0.034
8669	0.032
8670	0.033
8671	0.033
8672	0.033
8673	0.031
8674	0.03
8675	0.032
8676	0.033
8677	0.036
8678	0.036
8679	0.031
8680	0.033
8681	0.035
8682	0.034
8683	0.035
8684	0.035
8685	0.032
8686	0.03
8687	0.029
8688	0.029

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

8689	0.032
8690	0.034
8691	0.035
8692	0.034
8693	0.034
8694	0.033
8695	0.033
8696	0.035
8697	0.036
8698	0.036
8699	0.037
8700	0.039
8701	0.037
8702	0.04
8703	0.041
8704	0.042
8705	0.044
8706	0.041
8707	0.041
8708	0.04
8709	0.037
8710	0.038
8711	0.04
8712	0.044
8713	0.042
8714	0.04
8715	0.042
8716	0.041
8717	0.043
8718	0.042
8719	0.039
8720	0.041
8721	0.041
8722	0.04
8723	0.04
8724	0.039
8725	0.038
8726	0.037
8727	0.036
8728	0.034
8729	0.035
8730	0.035
8731	0.033
8732	0.035
8733	0.037
8734	0.036
8735	0.037
8736	0.037

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

8737	0.034
8738	0.031
8739	0.031
8740	0.032
8741	0.032
8742	0.033
8743	0.033
8744	0.033
8745	0.032
8746	0.032
8747	0.033
8748	0.031
8749	0.031
8750	0.034
8751	0.032
8752	0.03
8753	0.03
8754	0.03
8755	0.031
8756	0.033
8757	0.033
8758	0.033
8759	0.032
8760	0.032
8761	0.034
8762	0.036
8763	0.034
8764	0.03
8765	0.032
8766	0.033
8767	0.031
8768	0.031
8769	0.03
8770	0.031
8771	0.03
8772	0.029
8773	0.029
8774	0.031
8775	0.031
8776	0.029
8777	0.03
8778	0.03
8779	0.03
8780	0.028
8781	0.027
8782	0.027
8783	0.027
8784	0.027

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

8785	0.027
8786	0.028
8787	0.026
8788	0.026
8789	0.025
8790	0.023
8791	0.024
8792	0.024
8793	0.024
8794	0.024
8795	0.025
8796	0.026
8797	0.024
8798	0.025
8799	0.026
8800	0.027
8801	0.027
8802	0.026
8803	0.026
8804	0.027
8805	0.024
8806	0.024
8807	0.026
8808	0.026
8809	0.026
8810	0.026
8811	0.027
8812	0.027
8813	0.027
8814	0.026
8815	0.025
8816	0.025
8817	0.026
8818	0.026
8819	0.026
8820	0.026
8821	0.025
8822	0.025
8823	0.027
8824	0.027
8825	0.027
8826	0.027
8827	0.026
8828	0.027
8829	0.027
8830	0.026
8831	0.028
8832	0.029

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

8833	0.029
8834	0.029
8835	0.028
8836	0.025
8837	0.026
8838	0.026
8839	0.027
8840	0.028
8841	0.026
8842	0.026
8843	0.026
8844	0.027
8845	0.027
8846	0.027
8847	0.027
8848	0.027
8849	0.027
8850	0.027
8851	0.027
8852	0.027
8853	0.027
8854	0.028
8855	0.027
8856	0.028
8857	0.026
8858	0.026
8859	0.028
8860	0.027
8861	0.028
8862	0.028
8863	0.027
8864	0.026
8865	0.026
8866	0.026
8867	0.027
8868	0.027
8869	0.026
8870	0.027
8871	0.027
8872	0.026
8873	0.027
8874	0.026
8875	0.026
8876	0.027
8877	0.027
8878	0.026
8879	0.025
8880	0.027

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

8881	0.027
8882	0.026
8883	0.026
8884	0.026
8885	0.026
8886	0.025
8887	0.025
8888	0.026
8889	0.026
8890	0.026
8891	0.027
8892	0.027
8893	0.027
8894	0.028
8895	0.027
8896	0.027
8897	0.028
8898	0.026
8899	0.027
8900	0.027
8901	0.027
8902	0.028
8903	0.028
8904	0.027
8905	0.026
8906	0.028
8907	0.029
8908	0.03
8909	0.03
8910	0.028
8911	0.028
8912	0.027
8913	0.028
8914	0.029
8915	0.03
8916	0.029
8917	0.028
8918	0.027
8919	0.025
8920	0.027
8921	0.027
8922	0.029
8923	0.03
8924	0.028
8925	0.031
8926	0.033
8927	0.032
8928	0.029

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

8929	0.03
8930	0.03
8931	0.029
8932	0.029
8933	0.03
8934	0.03
8935	0.033
8936	0.031
8937	0.029
8938	0.03
8939	0.029
8940	0.03
8941	0.029
8942	0.03
8943	0.03
8944	0.03
8945	0.03
8946	0.032
8947	0.031
8948	0.03
8949	0.03
8950	0.029
8951	0.028
8952	0.029
8953	0.028
8954	0.028
8955	0.029
8956	0.028
8957	0.028
8958	0.028
8959	0.028
8960	0.026
8961	0.029
8962	0.029
8963	0.029
8964	0.029
8965	0.026
8966	0.027
8967	0.028
8968	0.029
8969	0.029
8970	0.029
8971	0.03
8972	0.029
8973	0.028
8974	0.028
8975	0.029
8976	0.028

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

8977	0.029
8978	0.028
8979	0.029
8980	0.03
8981	0.029
8982	0.027
8983	0.027
8984	0.028
8985	0.028
8986	0.027
8987	0.029
8988	0.03
8989	0.029
8990	0.027
8991	0.029
8992	0.03
8993	0.032
8994	0.031
8995	0.031
8996	0.033
8997	0.029
8998	0.03
8999	0.032
9000	0.031
9001	0.029
9002	0.031
9003	0.033
9004	0.032
9005	0.031
9006	0.031
9007	0.029
9008	0.031
9009	0.03
9010	0.03
9011	0.028
9012	0.028
9013	0.03
9014	0.031
9015	0.03
9016	0.03
9017	0.03
9018	0.028
9019	0.027
9020	0.029
9021	0.029
9022	0.029
9023	0.029
9024	0.028

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

9025	0.029
9026	0.03
9027	0.029
9028	0.028
9029	0.028
9030	0.028
9031	0.028
9032	0.028
9033	0.029
9034	0.029
9035	0.029
9036	0.029
9037	0.028
9038	0.028
9039	0.029
9040	0.029
9041	0.03
9042	0.028
9043	0.027
9044	0.029
9045	0.032
9046	0.032
9047	0.029
9048	0.029
9049	0.031
9050	0.03
9051	0.028
9052	0.029
9053	0.03
9054	0.03
9055	0.03
9056	0.031
9057	0.031
9058	0.028
9059	0.029
9060	0.029
9061	0.029
9062	0.031
9063	0.031
9064	0.03
9065	0.03
9066	0.03
9067	0.03
9068	0.029
9069	0.03
9070	0.029
9071	0.03
9072	0.03

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

9073	0.03
9074	0.03
9075	0.028
9076	0.03
9077	0.031
9078	0.031
9079	0.029
9080	0.03
9081	0.03
9082	0.033
9083	0.033
9084	0.031
9085	0.03
9086	0.031
9087	0.03
9088	0.029
9089	0.03
9090	0.028
9091	0.028
9092	0.027
9093	0.026
9094	0.027
9095	0.027
9096	0.027
9097	0.027
9098	0.027
9099	0.027
9100	0.03
9101	0.03
9102	0.028
9103	0.028
9104	0.028
9105	0.029
9106	0.029
9107	0.028
9108	0.028
9109	0.028
9110	0.028
9111	0.028
9112	0.027
9113	0.028
9114	0.029
9115	0.028
9116	0.028
9117	0.027
9118	0.028
9119	0.029
9120	0.029

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

9121	0.03
9122	0.03
9123	0.029
9124	0.027
9125	0.027
9126	0.029
9127	0.028
9128	0.028
9129	0.029
9130	0.029
9131	0.028
9132	0.028
9133	0.029
9134	0.03
9135	0.03
9136	0.029
9137	0.029
9138	0.029
9139	0.03
9140	0.029
9141	0.03
9142	0.03
9143	0.03
9144	0.029
9145	0.029
9146	0.03
9147	0.032
9148	0.035
9149	0.035
9150	0.034
9151	0.035
9152	0.033
9153	0.033
9154	0.035
9155	0.032
9156	0.03
9157	0.032
9158	0.034
9159	0.032
9160	0.03
9161	0.032
9162	0.033
9163	0.031
9164	0.032
9165	0.032
9166	0.031
9167	0.032
9168	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

9169	0.03
9170	0.031
9171	0.031
9172	0.031
9173	0.03
9174	0.03
9175	0.03
9176	0.028
9177	0.029
9178	0.03
9179	0.031
9180	0.031
9181	0.03
9182	0.029
9183	0.03
9184	0.029
9185	0.03
9186	0.03
9187	0.03
9188	0.029
9189	0.03
9190	0.031
9191	0.03
9192	0.03
9193	0.031
9194	0.031
9195	0.03
9196	0.03
9197	0.031
9198	0.03
9199	0.031
9200	0.03
9201	0.03
9202	0.032
9203	0.031
9204	0.03
9205	0.031
9206	0.031
9207	0.032
9208	0.031
9209	0.032
9210	0.033
9211	0.031
9212	0.031
9213	0.03
9214	0.031
9215	0.031
9216	0.032

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

9217	0.031
9218	0.029
9219	0.031
9220	0.031
9221	0.03
9222	0.03
9223	0.031
9224	0.032
9225	0.03
9226	0.03
9227	0.031
9228	0.034
9229	0.033
9230	0.031
9231	0.03
9232	0.031
9233	0.03
9234	0.03
9235	0.03
9236	0.031
9237	0.031
9238	0.031
9239	0.03
9240	0.029
9241	0.03
9242	0.03
9243	0.032
9244	0.032
9245	0.031
9246	0.032
9247	0.031
9248	0.03
9249	0.031
9250	0.031
9251	0.031
9252	0.031
9253	0.031
9254	0.033
9255	0.031
9256	0.03
9257	0.031
9258	0.03
9259	0.03
9260	0.03
9261	0.032
9262	0.034
9263	0.031
9264	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

9265	0.031
9266	0.031
9267	0.028
9268	0.029
9269	0.027
9270	0.027
9271	0.027
9272	0.029
9273	0.03
9274	0.028
9275	0.028
9276	0.029
9277	0.03
9278	0.03
9279	0.029
9280	0.028
9281	0.029
9282	0.03
9283	0.03
9284	0.029
9285	0.028
9286	0.028
9287	0.027
9288	0.028
9289	0.029
9290	0.029
9291	0.03
9292	0.029
9293	0.028
9294	0.03
9295	0.032
9296	0.031
9297	0.029
9298	0.028
9299	0.029
9300	0.03
9301	0.028
9302	0.029
9303	0.029
9304	0.029
9305	0.029
9306	0.028
9307	0.028
9308	0.029
9309	0.03
9310	0.03
9311	0.03
9312	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

9313	0.03
9314	0.028
9315	0.031
9316	0.031
9317	0.031
9318	0.029
9319	0.028
9320	0.029
9321	0.031
9322	0.029
9323	0.028
9324	0.029
9325	0.028
9326	0.028
9327	0.03
9328	0.03
9329	0.031
9330	0.032
9331	0.031
9332	0.032
9333	0.032
9334	0.032
9335	0.031
9336	0.03
9337	0.029
9338	0.029
9339	0.031
9340	0.028
9341	0.029
9342	0.03
9343	0.028
9344	0.028
9345	0.028
9346	0.027
9347	0.027
9348	0.027
9349	0.028
9350	0.028
9351	0.029
9352	0.029
9353	0.028
9354	0.027
9355	0.027
9356	0.03
9357	0.03
9358	0.029
9359	0.03
9360	0.028

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

9361	0.029
9362	0.03
9363	0.03
9364	0.031
9365	0.029
9366	0.03
9367	0.03
9368	0.03
9369	0.028
9370	0.029
9371	0.03
9372	0.03
9373	0.03
9374	0.03
9375	0.027
9376	0.027
9377	0.027
9378	0.027
9379	0.027
9380	0.024
9381	0.024
9382	0.026
9383	0.027
9384	0.026
9385	0.027
9386	0.027
9387	0.026
9388	0.025
9389	0.025
9390	0.027
9391	0.026
9392	0.025
9393	0.026
9394	0.027
9395	0.025
9396	0.026
9397	0.026
9398	0.027
9399	0.028
9400	0.027
9401	0.027
9402	0.028
9403	0.027
9404	0.027
9405	0.028
9406	0.027
9407	0.027
9408	0.057

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

9409	0.063
9410	0.027
9411	0.029
9412	0.028
9413	0.026
9414	0.028
9415	0.029
9416	0.028
9417	0.029
9418	0.028
9419	0.028
9420	0.028
9421	0.028
9422	0.03
9423	0.031
9424	0.03
9425	0.028
9426	0.029
9427	0.03
9428	0.03
9429	0.029
9430	0.028
9431	0.026
9432	0.027
9433	0.027
9434	0.027
9435	0.029
9436	0.028
9437	0.029
9438	0.029
9439	0.027
9440	0.025
9441	0.027
9442	0.027
9443	0.026
9444	0.026
9445	0.027
9446	0.027
9447	0.026
9448	0.026
9449	0.027
9450	0.026
9451	0.026
9452	0.025
9453	0.025
9454	0.026
9455	0.026
9456	0.025

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

9457	0.025
9458	0.025
9459	0.024
9460	0.025
9461	0.026
9462	0.024
9463	0.024
9464	0.025
9465	0.025
9466	0.026
9467	0.026
9468	0.026
9469	0.027
9470	0.027
9471	0.026
9472	0.026
9473	0.025
9474	0.025
9475	0.027
9476	0.03
9477	0.033
9478	0.032
9479	0.03
9480	0.031
9481	0.03
9482	0.029
9483	0.029
9484	0.028
9485	0.028
9486	0.028
9487	0.031
9488	0.031
9489	0.028
9490	0.028
9491	0.029
9492	0.03
9493	0.03
9494	0.028
9495	0.027
9496	0.028
9497	0.027
9498	0.028
9499	0.028
9500	0.028
9501	0.028
9502	0.027
9503	0.027
9504	0.029

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

9505	0.029
9506	0.028
9507	0.029
9508	0.03
9509	0.032
9510	0.031
9511	0.032
9512	0.032
9513	0.035
9514	0.034
9515	0.03
9516	0.032
9517	0.032
9518	0.031
9519	0.031
9520	0.03
9521	0.03
9522	0.029
9523	0.03
9524	0.029
9525	0.027
9526	0.027
9527	0.027
9528	0.027
9529	0.029
9530	0.029
9531	0.029
9532	0.029
9533	0.028
9534	0.029
9535	0.031
9536	0.03
9537	0.028
9538	0.028
9539	0.03
9540	0.029
9541	0.029
9542	0.03
9543	0.029
9544	0.029
9545	0.03
9546	0.029
9547	0.028
9548	0.028
9549	0.029
9550	0.029
9551	0.029
9552	0.028

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

9553	0.028
9554	0.029
9555	0.03
9556	0.029
9557	0.029
9558	0.027
9559	0.027
9560	0.028
9561	0.029
9562	0.03
9563	0.029
9564	0.028
9565	0.027
9566	0.028
9567	0.028
9568	0.028
9569	0.028
9570	0.027
9571	0.027
9572	0.027
9573	0.028
9574	0.03
9575	0.031
9576	0.029
9577	0.026
9578	0.027
9579	0.029
9580	0.029
9581	0.028
9582	0.027
9583	0.027
9584	0.03
9585	0.03
9586	0.028
9587	0.028
9588	0.029
9589	0.029
9590	0.03
9591	0.031
9592	0.031
9593	0.03
9594	0.03
9595	0.032
9596	0.033
9597	0.032
9598	0.03
9599	0.028
9600	0.028

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

9601	0.028
9602	0.03
9603	0.032
9604	0.034
9605	0.033
9606	0.03
9607	0.032
9608	0.033
9609	0.032
9610	0.031
9611	0.029
9612	0.031
9613	0.033
9614	0.031
9615	0.031
9616	0.031
9617	0.029
9618	0.03
9619	0.031
9620	0.031
9621	0.03
9622	0.031
9623	0.029
9624	0.029
9625	0.029
9626	0.029
9627	0.031
9628	0.032
9629	0.03
9630	0.029
9631	0.03
9632	0.03
9633	0.03
9634	0.03
9635	0.029
9636	0.028
9637	0.027
9638	0.027
9639	0.027
9640	0.028
9641	0.031
9642	0.032
9643	0.03
9644	0.03
9645	0.029
9646	0.029
9647	0.028
9648	0.029

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

9649	0.029
9650	0.029
9651	0.028
9652	0.027
9653	0.028
9654	0.027
9655	0.028
9656	0.028
9657	0.031
9658	0.034
9659	0.031
9660	0.031
9661	0.032
9662	0.03
9663	0.032
9664	0.032
9665	0.032
9666	0.032
9667	0.031
9668	0.033
9669	0.03
9670	0.028
9671	0.029
9672	0.031
9673	0.03
9674	0.028
9675	0.027
9676	0.026
9677	0.026
9678	0.028
9679	0.03
9680	0.03
9681	0.029
9682	0.028
9683	0.029
9684	0.03
9685	0.029
9686	0.029
9687	0.029
9688	0.03
9689	0.029
9690	0.029
9691	0.029
9692	0.028
9693	0.03
9694	0.028
9695	0.026
9696	0.027

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

9697	0.027
9698	0.026
9699	0.026
9700	0.026
9701	0.026
9702	0.027
9703	0.028
9704	0.028
9705	0.027
9706	0.026
9707	0.026
9708	0.027
9709	0.025
9710	0.026
9711	0.026
9712	0.028
9713	0.028
9714	0.028
9715	0.029
9716	0.027
9717	0.029
9718	0.028
9719	0.027
9720	0.028
9721	0.028
9722	0.028
9723	0.027
9724	0.027
9725	0.027
9726	0.028
9727	0.029
9728	0.027
9729	0.026
9730	0.026
9731	0.028
9732	0.027
9733	0.027
9734	0.027
9735	0.028
9736	0.028
9737	0.026
9738	0.027
9739	0.027
9740	0.026
9741	0.026
9742	0.026
9743	0.027
9744	0.027

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

9745	0.027
9746	0.026
9747	0.025
9748	0.025
9749	0.024
9750	0.023
9751	0.025
9752	0.028
9753	0.026
9754	0.026
9755	0.025
9756	0.025
9757	0.026
9758	0.024
9759	0.024
9760	0.025
9761	0.024
9762	0.025
9763	0.026
9764	0.024
9765	0.025
9766	0.027
9767	0.027
9768	0.026
9769	0.026
9770	0.026
9771	0.026
9772	0.026
9773	0.026
9774	0.025
9775	0.026
9776	0.025
9777	0.025
9778	0.025
9779	0.025
9780	0.025
9781	0.026
9782	0.026
9783	0.026
9784	0.027
9785	0.026
9786	0.027
9787	0.027
9788	0.028
9789	0.027
9790	0.026
9791	0.026
9792	0.026

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

9793	0.025
9794	0.025
9795	0.026
9796	0.027
9797	0.028
9798	0.027
9799	0.027
9800	0.027
9801	0.027
9802	0.027
9803	0.027
9804	0.028
9805	0.028
9806	0.026
9807	0.026
9808	0.027
9809	0.027
9810	0.027
9811	0.028
9812	0.027
9813	0.026
9814	0.026
9815	0.027
9816	0.029
9817	0.028
9818	0.028
9819	0.027
9820	0.027
9821	0.027
9822	0.026
9823	0.026
9824	0.027
9825	0.026
9826	0.027
9827	0.028
9828	0.028
9829	0.032
9830	0.031
9831	0.028
9832	0.027
9833	0.027
9834	0.027
9835	0.029
9836	0.027
9837	0.027
9838	0.028
9839	0.027
9840	0.026

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

9841	0.026
9842	0.026
9843	0.026
9844	0.026
9845	0.026
9846	0.027
9847	0.029
9848	0.027
9849	0.026
9850	0.025
9851	0.026
9852	0.026
9853	0.027
9854	0.026
9855	0.025
9856	0.025
9857	0.025
9858	0.025
9859	0.027
9860	0.027
9861	0.026
9862	0.027
9863	0.026
9864	0.025
9865	0.025
9866	0.026
9867	0.025
9868	0.025
9869	0.026
9870	0.028
9871	0.028
9872	0.026
9873	0.026
9874	0.028
9875	0.028
9876	0.026
9877	0.026
9878	0.027
9879	0.026
9880	0.025
9881	0.025
9882	0.026
9883	0.027
9884	0.028
9885	0.028
9886	0.029
9887	0.028
9888	0.028

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

9889	0.028
9890	0.028
9891	0.027
9892	0.028
9893	0.029
9894	0.027
9895	0.025
9896	0.025
9897	0.026
9898	0.026
9899	0.027
9900	0.027
9901	0.026
9902	0.026
9903	0.026
9904	0.026
9905	0.027
9906	0.027
9907	0.026
9908	0.026
9909	0.025
9910	0.028
9911	0.028
9912	0.028
9913	0.025
9914	0.026
9915	0.026
9916	0.026
9917	0.024
9918	0.134
9919	0.147
9920	0.026
9921	0.027
9922	0.026
9923	0.027
9924	0.028
9925	0.027
9926	0.026
9927	0.028
9928	0.027
9929	0.026
9930	0.027
9931	0.026
9932	0.026
9933	0.025
9934	0.026
9935	0.027
9936	0.027

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

9937	0.026
9938	0.026
9939	0.027
9940	0.027
9941	0.026
9942	0.027
9943	0.026
9944	0.027
9945	0.028
9946	0.027
9947	0.026
9948	0.026
9949	0.026
9950	0.025
9951	0.025
9952	0.027
9953	0.029
9954	0.028
9955	0.027
9956	0.027
9957	0.026
9958	0.026
9959	0.027
9960	0.026
9961	0.026
9962	0.027
9963	0.026
9964	0.025
9965	0.026
9966	0.026
9967	0.025
9968	0.025
9969	0.025
9970	0.025
9971	0.026
9972	0.025
9973	0.025
9974	0.026
9975	0.026
9976	0.025
9977	0.024
9978	0.025
9979	0.026
9980	0.025
9981	0.027
9982	0.028
9983	0.026
9984	0.025

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

9985	0.027
9986	0.025
9987	0.024
9988	0.027
9989	0.026
9990	0.025
9991	0.026
9992	0.025
9993	0.025
9994	0.025
9995	0.024
9996	0.025
9997	0.024
9998	0.024
9999	0.025
10000	0.024
10001	0.024
10002	0.025
10003	0.025
10004	0.025
10005	0.026
10006	0.029
10007	0.029
10008	0.026
10009	0.026
10010	0.027
10011	0.027
10012	0.028
10013	0.029
10014	0.028
10015	0.026
10016	0.025
10017	0.026
10018	0.025
10019	0.025
10020	0.025
10021	0.026
10022	0.027
10023	0.027
10024	0.026
10025	0.025
10026	0.024
10027	0.023
10028	0.024
10029	0.024
10030	0.025
10031	0.025
10032	0.023

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

10033	0.023
10034	0.024
10035	0.024
10036	0.026
10037	0.027
10038	0.027
10039	0.026
10040	0.026
10041	0.026
10042	0.024
10043	0.025
10044	0.026
10045	0.027
10046	0.028
10047	0.027
10048	0.026
10049	0.027
10050	0.028
10051	0.026
10052	0.025
10053	0.026
10054	0.028
10055	0.027
10056	0.026
10057	0.028
10058	0.027
10059	0.025
10060	0.026
10061	0.027
10062	0.028
10063	0.027
10064	0.027
10065	0.026
10066	0.026
10067	0.027
10068	0.027
10069	0.028
10070	0.026
10071	0.025
10072	0.025
10073	0.026
10074	0.025
10075	0.026
10076	0.026
10077	0.027
10078	0.027
10079	0.026
10080	0.027

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

10081	0.026
10082	0.025
10083	0.026
10084	0.026
10085	0.025
10086	0.026
10087	0.026
10088	0.025
10089	0.025
10090	0.024
10091	0.026
10092	0.026
10093	0.024
10094	0.025
10095	0.025
10096	0.025
10097	0.024
10098	0.026
10099	0.026
10100	0.025
10101	0.024
10102	0.024
10103	0.026
10104	0.027
10105	0.027
10106	0.026
10107	0.026
10108	0.026
10109	0.026
10110	0.028
10111	0.027
10112	0.027
10113	0.026
10114	0.026
10115	0.028
10116	0.027
10117	0.026
10118	0.026
10119	0.026
10120	0.026
10121	0.026
10122	0.026
10123	0.026
10124	0.026
10125	0.025
10126	0.027
10127	0.027
10128	0.026

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

10129	0.024
10130	0.026
10131	0.027
10132	0.025
10133	0.026
10134	0.027
10135	0.027
10136	0.027
10137	0.026
10138	0.027
10139	0.027
10140	0.027
10141	0.028
10142	0.028
10143	0.027
10144	0.026
10145	0.027
10146	0.026
10147	0.028
10148	0.027
10149	0.025
10150	0.025
10151	0.025
10152	0.028
10153	0.027
10154	0.025
10155	0.024
10156	0.024
10157	0.026
10158	0.026
10159	0.026
10160	0.027
10161	0.026
10162	0.025
10163	0.025
10164	0.026
10165	0.026
10166	0.025
10167	0.024
10168	0.026
10169	0.026
10170	0.024
10171	0.023
10172	0.025
10173	0.024
10174	0.024
10175	0.024
10176	0.024

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

10177	0.025
10178	0.025
10179	0.023
10180	0.024
10181	0.026
10182	0.026
10183	0.027
10184	0.028
10185	0.025
10186	0.025
10187	0.027
10188	0.027
10189	0.026
10190	0.026
10191	0.024
10192	0.025
10193	0.026
10194	0.025
10195	0.025
10196	0.026
10197	0.026
10198	0.026
10199	0.026
10200	0.026
10201	0.024
10202	0.025
10203	0.024
10204	0.025
10205	0.026
10206	0.026
10207	0.026
10208	0.025
10209	0.025
10210	0.025
10211	0.025
10212	0.026
10213	0.026
10214	0.025
10215	0.024
10216	0.023
10217	0.025
10218	0.029
10219	0.025
10220	0.025
10221	0.025
10222	0.024
10223	0.024
10224	0.024

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

10225	0.026
10226	0.026
10227	0.025
10228	0.025
10229	0.025
10230	0.025
10231	0.025
10232	0.027
10233	0.027
10234	0.024
10235	0.024
10236	0.025
10237	0.026
10238	0.026
10239	0.026
10240	0.026
10241	0.025
10242	0.361
10243	0.377
10244	0.025
10245	0.025
10246	0.025
10247	0.026
10248	0.025
10249	0.025
10250	0.026
10251	0.027
10252	0.026
10253	0.025
10254	0.026
10255	0.026
10256	0.025
10257	0.025
10258	0.025
10259	0.026
10260	0.026
10261	0.025
10262	0.025
10263	0.025
10264	0.025
10265	0.026
10266	0.027
10267	0.025
10268	0.025
10269	0.025
10270	0.024
10271	0.026
10272	0.026

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

10273	0.024
10274	0.026
10275	0.027
10276	0.028
10277	0.026
10278	0.027
10279	0.028
10280	0.027
10281	0.025
10282	0.025
10283	0.025
10284	0.025
10285	0.024
10286	0.025
10287	0.026
10288	0.025
10289	0.026
10290	0.026
10291	0.026
10292	0.027
10293	0.026
10294	0.026
10295	0.026
10296	0.026
10297	0.025
10298	0.025
10299	0.026
10300	0.026
10301	0.026
10302	0.026
10303	0.026
10304	0.026
10305	0.026
10306	0.027
10307	0.027
10308	0.026
10309	0.025
10310	0.026
10311	0.026
10312	0.025
10313	0.026
10314	0.027
10315	0.027
10316	0.029
10317	0.029
10318	0.027
10319	0.027
10320	0.028

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

10321	0.026
10322	0.025
10323	0.027
10324	0.025
10325	0.026
10326	0.027
10327	0.028
10328	0.028
10329	0.026
10330	0.027
10331	0.028
10332	0.026
10333	0.027
10334	0.026
10335	0.026
10336	0.025
10337	0.024
10338	0.024
10339	0.024
10340	0.025
10341	0.026
10342	0.025
10343	0.024
10344	0.026
10345	0.026
10346	0.025
10347	0.026
10348	0.025
10349	0.024
10350	0.024
10351	0.024
10352	0.024
10353	0.024
10354	0.024
10355	0.026
10356	0.026
10357	0.026
10358	0.026
10359	0.026
10360	0.026
10361	0.026
10362	0.026
10363	0.025
10364	0.026
10365	0.027
10366	0.025
10367	0.024
10368	0.026

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

10369	0.027
10370	0.025
10371	0.026
10372	0.026
10373	0.025
10374	0.026
10375	0.025
10376	0.025
10377	0.025
10378	0.026
10379	0.025
10380	0.025
10381	0.026
10382	0.028
10383	0.026
10384	0.026
10385	0.027
10386	0.026
10387	0.026
10388	0.026
10389	0.025
10390	0.026
10391	0.025
10392	0.025
10393	0.025
10394	0.025
10395	0.026
10396	0.025
10397	0.025
10398	0.026
10399	0.026
10400	0.027
10401	0.027
10402	0.026
10403	0.025
10404	0.026
10405	0.026
10406	0.026
10407	0.026
10408	0.028
10409	0.028
10410	0.027
10411	0.026
10412	0.026
10413	0.028
10414	0.025
10415	0.026
10416	0.027

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

10417	0.027
10418	0.026
10419	0.028
10420	0.026
10421	0.026
10422	0.028
10423	0.027
10424	0.027
10425	0.026
10426	0.027
10427	0.028
10428	0.027
10429	0.027
10430	0.029
10431	0.027
10432	0.026
10433	0.027
10434	0.028
10435	0.027
10436	0.026
10437	0.027
10438	0.027
10439	0.027
10440	0.027
10441	0.025
10442	0.026
10443	0.024
10444	0.025
10445	0.027
10446	0.027
10447	0.026
10448	0.026
10449	0.027
10450	0.025
10451	0.025
10452	0.027
10453	0.027
10454	0.027
10455	0.026
10456	0.027
10457	0.029
10458	0.028
10459	0.029
10460	0.031
10461	0.027
10462	0.025
10463	0.026
10464	0.028

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

10465	0.025
10466	0.023
10467	0.024
10468	0.025
10469	0.024
10470	0.024
10471	0.025
10472	0.025
10473	0.024
10474	0.025
10475	0.026
10476	0.026
10477	0.025
10478	0.025
10479	0.025
10480	0.026
10481	0.026
10482	0.025
10483	0.024
10484	0.025
10485	0.026
10486	0.024
10487	0.026
10488	0.026
10489	0.025
10490	0.026
10491	0.027
10492	0.026
10493	0.025
10494	0.026
10495	0.024
10496	0.024
10497	0.026
10498	0.024
10499	0.025
10500	0.026
10501	0.026
10502	0.027
10503	0.026
10504	0.026
10505	0.026
10506	0.026
10507	0.026
10508	0.026
10509	0.025
10510	0.026
10511	0.027
10512	0.028

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

10513	0.026
10514	0.025
10515	0.027
10516	0.027
10517	0.026
10518	0.026
10519	0.024
10520	0.025
10521	0.027
10522	0.027
10523	0.027
10524	0.026
10525	0.024
10526	0.025
10527	0.026
10528	0.026
10529	0.026
10530	0.026
10531	0.026
10532	0.027
10533	0.025
10534	0.025
10535	0.026
10536	0.028
10537	0.028
10538	0.047
10539	0.026
10540	0.026
10541	0.027
10542	0.026
10543	0.025
10544	0.026
10545	0.025
10546	0.025
10547	0.025
10548	0.024
10549	0.025
10550	0.025
10551	0.025
10552	0.025
10553	0.025
10554	0.026
10555	0.026
10556	0.026
10557	0.026
10558	0.025
10559	0.023
10560	0.024

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

10561	0.026
10562	0.027
10563	0.026
10564	0.025
10565	0.026
10566	0.027
10567	0.026
10568	0.025
10569	0.024
10570	0.025
10571	0.024
10572	0.024
10573	0.025
10574	0.025
10575	0.025
10576	0.024
10577	0.025
10578	0.024
10579	0.025
10580	0.026
10581	0.026
10582	0.028
10583	0.027
10584	0.027
10585	0.026
10586	0.026
10587	0.027
10588	0.027
10589	0.026
10590	0.026
10591	0.026
10592	0.027
10593	0.026
10594	0.026
10595	0.026
10596	0.027
10597	0.026
10598	0.025
10599	0.025
10600	0.027
10601	0.027
10602	0.028
10603	0.027
10604	0.026
10605	0.025
10606	0.027
10607	0.027
10608	0.027

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

10609	0.027
10610	0.027
10611	0.027
10612	0.027
10613	0.027
10614	0.026
10615	0.026
10616	0.026
10617	0.026
10618	0.027
10619	0.027
10620	0.026
10621	0.026
10622	0.027
10623	0.027
10624	0.027
10625	0.026
10626	0.027
10627	0.03
10628	0.029
10629	0.029
10630	0.027
10631	0.027
10632	0.026
10633	0.026
10634	0.025
10635	0.026
10636	0.025
10637	0.025
10638	0.026
10639	0.026
10640	0.026
10641	0.028
10642	0.029
10643	0.027
10644	0.026
10645	0.026
10646	0.025
10647	0.025
10648	0.026
10649	0.026
10650	0.025
10651	0.025
10652	0.024
10653	0.026
10654	0.025
10655	0.024
10656	0.024

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

10657	0.024
10658	0.025
10659	0.024
10660	0.025
10661	0.024
10662	0.025
10663	0.025
10664	0.025
10665	0.026
10666	0.024
10667	0.025
10668	0.025
10669	0.024
10670	0.025
10671	0.024
10672	0.025
10673	0.026
10674	0.026
10675	0.026
10676	0.025
10677	0.026
10678	0.026
10679	0.024
10680	0.024
10681	0.025
10682	0.025
10683	0.025
10684	0.025
10685	0.026
10686	0.026
10687	0.025
10688	0.024
10689	0.026
10690	0.026
10691	0.027
10692	0.028
10693	0.025
10694	0.026
10695	0.026
10696	0.026
10697	0.026
10698	0.025
10699	0.025
10700	0.026
10701	0.025
10702	0.026
10703	0.026
10704	0.027

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

10705	0.026
10706	0.025
10707	0.026
10708	0.027
10709	0.026
10710	0.025
10711	0.024
10712	0.026
10713	0.028
10714	0.029
10715	0.028
10716	0.026
10717	0.026
10718	0.026
10719	0.027
10720	0.026
10721	0.026
10722	0.025
10723	0.025
10724	0.025
10725	0.024
10726	0.024
10727	0.025
10728	0.025
10729	0.025
10730	0.025
10731	0.025
10732	0.024
10733	0.024
10734	0.022
10735	0.023
10736	0.024
10737	0.024
10738	0.026
10739	0.024
10740	0.024
10741	0.024
10742	0.024
10743	0.026
10744	0.025
10745	0.024
10746	0.025
10747	0.025
10748	0.026
10749	0.026
10750	0.025
10751	0.026
10752	0.024

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

10753	0.023
10754	0.024
10755	0.025
10756	0.025
10757	0.024
10758	0.025
10759	0.026
10760	0.028
10761	0.026
10762	0.025
10763	0.026
10764	0.025
10765	0.024
10766	0.025
10767	0.025
10768	0.024
10769	0.025
10770	0.025
10771	0.024
10772	0.025
10773	0.026
10774	0.026
10775	0.025
10776	0.025
10777	0.026
10778	0.027
10779	0.026
10780	0.024
10781	0.026
10782	0.025
10783	0.025
10784	0.025
10785	0.026
10786	0.029
10787	0.028
10788	0.028
10789	0.027
10790	0.028
10791	0.027
10792	0.026
10793	0.028
10794	0.028
10795	0.026
10796	0.028
10797	0.028
10798	0.028
10799	0.028
10800	0.026

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

10801	0.028
10802	0.028
10803	0.03
10804	0.027
10805	0.025
10806	0.026
10807	0.027
10808	0.026
10809	0.028
10810	0.029
10811	0.028
10812	0.025
10813	0.025
10814	0.025
10815	0.027
10816	0.029
10817	0.029
10818	0.027
10819	0.028
10820	0.034
10821	0.034
10822	0.03
10823	0.029
10824	0.029
10825	0.03
10826	0.031
10827	0.033
10828	0.03
10829	0.027
10830	0.027
10831	0.027
10832	0.028
10833	0.03
10834	0.03
10835	0.031
10836	0.033
10837	0.034
10838	0.034
10839	0.035
10840	0.034
10841	0.033
10842	0.031
10843	0.031
10844	0.03
10845	0.03
10846	0.028
10847	0.028
10848	0.03

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

10849	0.027
10850	0.027
10851	0.028
10852	0.029
10853	0.028
10854	0.027
10855	0.026
10856	0.026
10857	0.026
10858	0.026
10859	0.024
10860	0.024
10861	0.026
10862	0.024
10863	0.025
10864	0.024
10865	0.024
10866	0.025
10867	0.024
10868	0.025
10869	0.026
10870	0.024
10871	0.025
10872	0.024
10873	0.025
10874	0.026
10875	0.027
10876	0.027
10877	0.026
10878	0.027
10879	0.028
10880	0.027
10881	0.028
10882	0.029
10883	0.028
10884	0.028
10885	0.027
10886	0.028
10887	0.027
10888	0.027
10889	0.028
10890	0.027
10891	0.029
10892	0.029
10893	0.026
10894	0.027
10895	0.027
10896	0.027

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

10897	0.027
10898	0.026
10899	0.027
10900	0.027
10901	0.027
10902	0.027
10903	0.027
10904	0.026
10905	0.025
10906	0.026
10907	0.025
10908	0.024
10909	0.025
10910	0.027
10911	0.025
10912	0.025
10913	0.025
10914	0.024
10915	0.024
10916	0.025
10917	0.025
10918	0.032
10919	0.036
10920	0.024
10921	0.025
10922	0.025
10923	0.024
10924	0.024
10925	0.025
10926	0.025
10927	0.025
10928	0.025
10929	0.026
10930	0.027
10931	0.026
10932	0.025
10933	0.027
10934	0.026
10935	0.026
10936	0.026
10937	0.026
10938	0.027
10939	0.027
10940	0.026
10941	0.026
10942	0.027
10943	0.026
10944	0.025

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

10945	0.026
10946	0.027
10947	0.025
10948	0.025
10949	0.026
10950	0.025
10951	0.026
10952	0.026
10953	0.028
10954	0.029
10955	0.028
10956	0.027
10957	0.026
10958	0.026
10959	0.027
10960	0.028
10961	0.026
10962	0.026
10963	0.027
10964	0.026
10965	0.025
10966	0.027
10967	0.026
10968	0.026
10969	0.026
10970	0.027
10971	0.026
10972	0.027
10973	0.027
10974	0.026
10975	0.028
10976	0.028
10977	0.026
10978	0.027
10979	0.028
10980	0.03
10981	0.028
10982	0.024
10983	0.025
10984	0.025
10985	0.027
10986	0.027
10987	0.025
10988	0.024
10989	0.024
10990	0.025
10991	0.024
10992	0.024

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

10993	0.025
10994	0.025
10995	0.026
10996	0.026
10997	0.028
10998	0.027
10999	0.027
11000	0.026
11001	0.029
11002	0.029
11003	0.027
11004	0.027
11005	0.025
11006	0.025
11007	0.025
11008	0.025
11009	0.026
11010	0.025
11011	0.025
11012	0.025
11013	0.026
11014	0.028
11015	0.026
11016	0.026
11017	0.026
11018	0.026
11019	0.025
11020	0.025
11021	0.025
11022	0.026
11023	0.025
11024	0.026
11025	0.026
11026	0.025
11027	0.026
11028	0.025
11029	0.024
11030	0.024
11031	0.025
11032	0.025
11033	0.024
11034	0.024
11035	0.024
11036	0.024
11037	0.024
11038	0.025
11039	0.026
11040	0.024

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

11041	0.024
11042	0.025
11043	0.025
11044	0.024
11045	0.025
11046	0.025
11047	0.024
11048	0.024
11049	0.024
11050	0.024
11051	0.024
11052	0.024
11053	0.024
11054	0.025
11055	0.025
11056	0.024
11057	0.023
11058	0.024
11059	0.026
11060	0.027
11061	0.027
11062	0.026
11063	0.026
11064	0.024
11065	0.024
11066	0.027
11067	0.026
11068	0.024
11069	0.026
11070	0.025
11071	0.025
11072	0.025
11073	0.026
11074	0.027
11075	0.027
11076	0.027
11077	0.025
11078	0.024
11079	0.025
11080	0.026
11081	0.025
11082	0.026
11083	0.027
11084	0.027
11085	0.027
11086	0.026
11087	0.026
11088	0.025

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

11089	0.025
11090	0.026
11091	0.026
11092	0.027
11093	0.026
11094	0.026
11095	0.027
11096	0.027
11097	0.026
11098	0.026
11099	0.025
11100	0.025
11101	0.025
11102	0.025
11103	0.025
11104	0.027
11105	0.029
11106	0.025
11107	0.024
11108	0.026
11109	0.026
11110	0.025
11111	0.025
11112	0.025
11113	0.026
11114	0.026
11115	0.026
11116	0.026
11117	0.026
11118	0.026
11119	0.026
11120	0.026
11121	0.026
11122	0.026
11123	0.027
11124	0.026
11125	0.027
11126	0.027
11127	0.025
11128	0.025
11129	0.026
11130	0.026
11131	0.026
11132	0.026
11133	0.027
11134	0.026
11135	0.026
11136	0.025

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

11137	0.026
11138	0.027
11139	0.026
11140	0.025
11141	0.026
11142	0.025
11143	0.025
11144	0.026
11145	0.025
11146	0.026
11147	0.027
11148	0.026
11149	0.025
11150	0.024
11151	0.027
11152	0.027
11153	0.026
11154	0.026
11155	0.026
11156	0.026
11157	0.027
11158	0.028
11159	0.026
11160	0.026
11161	0.026
11162	0.027
11163	0.025
11164	0.026
11165	0.028
11166	0.026
11167	0.025
11168	0.025
11169	0.025
11170	0.025
11171	0.025
11172	0.025
11173	0.026
11174	0.026
11175	0.024
11176	0.025
11177	0.027
11178	0.027
11179	0.026
11180	0.025
11181	0.025
11182	0.026
11183	0.025
11184	0.025

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

11185	0.025
11186	0.027
11187	0.026
11188	0.026
11189	0.026
11190	0.026
11191	0.027
11192	0.025
11193	0.025
11194	0.026
11195	0.026
11196	0.026
11197	0.027
11198	0.026
11199	0.026
11200	0.025
11201	0.026
11202	0.026
11203	0.026
11204	0.026
11205	0.025
11206	0.025
11207	0.025
11208	0.025
11209	0.026
11210	0.024
11211	0.025
11212	0.027
11213	0.026
11214	0.025
11215	0.024
11216	0.024
11217	0.025
11218	0.025
11219	0.025
11220	0.025
11221	0.025
11222	0.024
11223	0.026
11224	0.026
11225	0.026
11226	0.025
11227	0.025
11228	0.025
11229	0.025
11230	0.025
11231	0.026
11232	0.026

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

11233	0.025
11234	0.025
11235	0.025
11236	0.026
11237	0.026
11238	0.027
11239	0.027
11240	0.026
11241	0.026
11242	0.024
11243	0.025
11244	0.026
11245	0.025
11246	0.026
11247	0.025
11248	0.027
11249	0.027
11250	0.025
11251	0.026
11252	0.026
11253	0.026
11254	0.025
11255	0.025
11256	0.026
11257	0.025
11258	0.026
11259	0.026
11260	0.025
11261	0.026
11262	0.026
11263	0.026
11264	0.025
11265	0.026
11266	0.028
11267	0.026
11268	0.026
11269	0.027
11270	0.027
11271	0.025
11272	0.025
11273	0.026
11274	0.025
11275	0.026
11276	0.027
11277	0.027
11278	0.025
11279	0.026
11280	0.028

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

11281	0.028
11282	0.027
11283	0.027
11284	0.025
11285	0.027
11286	0.027
11287	0.026
11288	0.026
11289	0.025
11290	0.026
11291	0.026
11292	0.026
11293	0.025
11294	0.026
11295	0.027
11296	0.027
11297	0.027
11298	0.027
11299	0.028
11300	0.028
11301	0.027
11302	0.027
11303	0.027
11304	0.026
11305	0.027
11306	0.028
11307	0.028
11308	0.027
11309	0.027
11310	0.027
11311	0.027
11312	0.028
11313	0.027
11314	0.025
11315	0.025
11316	0.026
11317	0.027
11318	0.027
11319	0.028
11320	0.026
11321	0.028
11322	0.028
11323	0.026
11324	0.025
11325	0.025
11326	0.025
11327	0.025
11328	0.026

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

11329	0.026
11330	0.028
11331	0.031
11332	0.031
11333	0.032
11334	0.03
11335	0.027
11336	0.026
11337	0.027
11338	0.026
11339	0.026
11340	0.026
11341	0.027
11342	0.026
11343	0.027
11344	0.027
11345	0.028
11346	0.028
11347	0.028
11348	0.027
11349	0.028
11350	0.026
11351	0.026
11352	0.027
11353	0.027
11354	0.027
11355	0.027
11356	0.028
11357	0.028
11358	0.027
11359	0.027
11360	0.026
11361	0.025
11362	0.027
11363	0.027
11364	0.027
11365	0.025
11366	0.024
11367	0.024
11368	0.025
11369	0.026
11370	0.026
11371	0.026
11372	0.026
11373	0.027
11374	0.027
11375	0.027
11376	0.029

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

11377	0.027
11378	0.025
11379	0.026
11380	0.027
11381	0.026
11382	0.025
11383	0.026
11384	0.028
11385	0.026
11386	0.027
11387	0.028
11388	0.028
11389	0.027
11390	0.027
11391	0.028
11392	0.027
11393	0.028
11394	0.027
11395	0.028
11396	0.027
11397	0.027
11398	0.026
11399	0.027
11400	0.029
11401	0.026
11402	0.026
11403	0.026
11404	0.028
11405	0.027
11406	0.026
11407	0.024
11408	0.025
11409	0.026
11410	0.026
11411	0.025
11412	0.025
11413	0.024
11414	0.025
11415	0.026
11416	0.026
11417	0.026
11418	0.026
11419	0.025
11420	0.026
11421	0.027
11422	0.026
11423	0.025
11424	0.027

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

11425	0.027
11426	0.026
11427	0.026
11428	0.027
11429	0.026
11430	0.027
11431	0.027
11432	0.026
11433	0.026
11434	0.026
11435	0.026
11436	0.024
11437	0.024
11438	0.026
11439	0.029
11440	0.029
11441	0.025
11442	0.026
11443	0.025
11444	0.025
11445	0.025
11446	0.025
11447	0.025
11448	0.025
11449	0.026
11450	0.029
11451	0.028
11452	0.025
11453	0.026
11454	0.024
11455	0.027
11456	0.027
11457	0.024
11458	0.025
11459	0.027
11460	0.026
11461	0.027
11462	0.027
11463	0.026
11464	0.025
11465	0.024
11466	0.028
11467	0.03
11468	0.026
11469	0.026
11470	0.026
11471	0.026
11472	0.025

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

11473	0.025
11474	0.025
11475	0.026
11476	0.025
11477	0.026
11478	0.026
11479	0.024
11480	0.026
11481	0.026
11482	0.029
11483	0.029
11484	0.026
11485	0.026
11486	0.025
11487	0.025
11488	0.025
11489	0.027
11490	0.026
11491	0.027
11492	0.029
11493	0.029
11494	0.029
11495	0.027
11496	0.026
11497	0.025
11498	0.026
11499	0.027
11500	0.027
11501	0.027
11502	0.027
11503	0.027
11504	0.027
11505	0.026
11506	0.026
11507	0.027
11508	0.027
11509	0.027
11510	0.027
11511	0.025
11512	0.025
11513	0.026
11514	0.028
11515	0.027
11516	0.027
11517	0.026
11518	0.026
11519	0.026
11520	0.026

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

11521	0.025
11522	0.024
11523	0.026
11524	0.026
11525	0.026
11526	0.025
11527	0.025
11528	0.027
11529	0.027
11530	0.026
11531	0.027
11532	0.028
11533	0.026
11534	0.025
11535	0.024
11536	0.026
11537	0.028
11538	0.026
11539	0.026
11540	0.027
11541	0.035
11542	0.036
11543	0.026
11544	0.025
11545	0.024
11546	0.026
11547	0.027
11548	0.026
11549	0.025
11550	0.026
11551	0.025
11552	0.025
11553	0.025
11554	0.026
11555	0.026
11556	0.025
11557	0.026
11558	0.026
11559	0.024
11560	0.024
11561	0.025
11562	0.027
11563	0.026
11564	0.024
11565	0.025
11566	0.026
11567	0.024
11568	0.025

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

11569	0.027
11570	0.025
11571	0.026
11572	0.025
11573	0.025
11574	0.025
11575	0.024
11576	0.026
11577	0.027
11578	0.026
11579	0.026
11580	0.026
11581	0.026
11582	0.025
11583	0.025
11584	0.025
11585	0.027
11586	0.029
11587	0.026
11588	0.025
11589	0.026
11590	0.025
11591	0.027
11592	0.027
11593	0.026
11594	0.027
11595	0.028
11596	0.026
11597	0.027
11598	0.028
11599	0.026
11600	0.025
11601	0.025
11602	0.026
11603	0.026
11604	0.026
11605	0.027
11606	0.026
11607	0.026
11608	0.025
11609	0.026
11610	0.027
11611	0.025
11612	0.025
11613	0.026
11614	0.025
11615	0.025
11616	0.026

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

11617	0.028
11618	0.028
11619	0.027
11620	0.027
11621	0.027
11622	0.027
11623	0.025
11624	0.026
11625	0.026
11626	0.026
11627	0.025
11628	0.025
11629	0.025
11630	0.026
11631	0.026
11632	0.026
11633	0.026
11634	0.027
11635	0.026
11636	0.025
11637	0.025
11638	0.026
11639	0.026
11640	0.025
11641	0.027
11642	0.026
11643	0.026
11644	0.027
11645	0.026
11646	0.027
11647	0.027
11648	0.025
11649	0.028
11650	0.03
11651	0.027
11652	0.026
11653	0.027
11654	0.027
11655	0.028
11656	0.028
11657	0.028
11658	0.026
11659	0.025
11660	0.026
11661	0.025
11662	0.027
11663	0.027
11664	0.026

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

11665	0.026
11666	0.026
11667	0.026
11668	0.026
11669	0.027
11670	0.027
11671	0.026
11672	0.027
11673	0.028
11674	0.028
11675	0.027
11676	0.026
11677	0.026
11678	0.027
11679	0.028
11680	0.028
11681	0.026
11682	0.024
11683	0.025
11684	0.028
11685	0.026
11686	0.025
11687	0.027
11688	0.028
11689	0.026
11690	0.025
11691	0.025
11692	0.027
11693	0.027
11694	0.027
11695	0.026
11696	0.025
11697	0.025
11698	0.024
11699	0.025
11700	0.025
11701	0.027
11702	0.027
11703	0.025
11704	0.025
11705	0.025
11706	0.026
11707	0.026
11708	0.025
11709	0.026
11710	0.026
11711	0.027
11712	0.026

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

11713	0.026
11714	0.026
11715	0.027
11716	0.027
11717	0.026
11718	0.028
11719	0.028
11720	0.027
11721	0.027
11722	0.027
11723	0.026
11724	0.026
11725	0.026
11726	0.026
11727	0.026
11728	0.025
11729	0.025
11730	0.026
11731	0.026
11732	0.027
11733	0.027
11734	0.025
11735	0.026
11736	0.026
11737	0.027
11738	0.028
11739	0.028
11740	0.027
11741	0.027
11742	0.028
11743	0.029
11744	0.027
11745	0.026
11746	0.025
11747	0.026
11748	0.026
11749	0.025
11750	0.028
11751	0.027
11752	0.026
11753	0.027
11754	0.026
11755	0.027
11756	0.028
11757	0.027
11758	0.026
11759	0.026
11760	0.027

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

11761	0.026
11762	0.027
11763	0.028
11764	0.028
11765	0.026
11766	0.027
11767	0.029
11768	0.027
11769	0.027
11770	0.028
11771	0.028
11772	0.028
11773	0.035
11774	0.036
11775	0.027
11776	0.026
11777	0.027
11778	0.026
11779	0.028
11780	0.028
11781	0.026
11782	0.027
11783	0.027
11784	0.028
11785	0.028
11786	0.027
11787	0.026
11788	0.027
11789	0.025
11790	0.025
11791	0.027
11792	0.027
11793	0.025
11794	0.026
11795	0.026
11796	0.026
11797	0.026
11798	0.026
11799	0.026
11800	0.027
11801	0.028
11802	0.026
11803	0.028
11804	0.029
11805	0.028
11806	0.031
11807	0.03
11808	0.029

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

11809	0.03
11810	0.028
11811	0.028
11812	0.029
11813	0.03
11814	0.028
11815	0.029
11816	0.031
11817	0.029
11818	0.028
11819	0.032
11820	0.029
11821	0.029
11822	0.028
11823	0.029
11824	0.028
11825	0.026
11826	0.028
11827	0.028
11828	0.027
11829	0.03
11830	0.031
11831	0.03
11832	0.029
11833	0.028
11834	0.028
11835	0.028
11836	0.028
11837	0.028
11838	0.026
11839	0.028
11840	0.027
11841	0.028
11842	0.027
11843	0.028
11844	0.029
11845	0.028
11846	0.029
11847	0.027
11848	0.027
11849	0.028
11850	0.028
11851	0.029
11852	0.03
11853	0.029
11854	0.026
11855	0.028
11856	0.027

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

11857	0.028
11858	0.028
11859	0.028
11860	0.025
11861	0.026
11862	0.027
11863	0.027
11864	0.027
11865	0.026
11866	0.026
11867	0.026
11868	0.026
11869	0.025
11870	0.025
11871	0.026
11872	0.025
11873	0.024
11874	0.025
11875	0.026
11876	0.027
11877	0.026
11878	0.025
11879	0.027
11880	0.027
11881	0.027
11882	0.027
11883	0.026
11884	0.027
11885	0.029
11886	0.028
11887	0.027
11888	0.027
11889	0.026
11890	0.027
11891	0.028
11892	0.027
11893	0.027
11894	0.028
11895	0.028
11896	0.028
11897	0.027
11898	0.028
11899	0.028
11900	0.028
11901	0.028
11902	0.027
11903	0.026
11904	0.026

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

11905	0.028
11906	0.028
11907	0.027
11908	0.029
11909	0.027
11910	0.027
11911	0.028
11912	0.027
11913	0.028
11914	0.03
11915	0.028
11916	0.026
11917	0.026
11918	0.026
11919	0.028
11920	0.03
11921	0.028
11922	0.025
11923	0.026
11924	0.027
11925	0.026
11926	0.027
11927	0.027
11928	0.028
11929	0.028
11930	0.028
11931	0.027
11932	0.026
11933	0.025
11934	0.025
11935	0.025
11936	0.026
11937	0.027
11938	0.027
11939	0.027
11940	0.027
11941	0.026
11942	0.027
11943	0.027
11944	0.026
11945	0.026
11946	0.027
11947	0.027
11948	0.026
11949	0.026
11950	0.027
11951	0.026
11952	0.028

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

11953	0.027
11954	0.026
11955	0.026
11956	0.025
11957	0.027
11958	0.028
11959	0.026
11960	0.026
11961	0.025
11962	0.026
11963	0.026
11964	0.027
11965	0.027
11966	0.027
11967	0.026
11968	0.027
11969	0.028
11970	0.025
11971	0.027
11972	0.027
11973	0.026
11974	0.028
11975	0.026
11976	0.027
11977	0.026
11978	0.028
11979	0.028
11980	0.028
11981	0.027
11982	0.025
11983	0.026
11984	0.028
11985	0.028
11986	0.027
11987	0.029
11988	0.026
11989	0.026
11990	0.028
11991	0.03
11992	0.029
11993	0.027
11994	0.027
11995	0.029
11996	0.028
11997	0.027
11998	0.027
11999	0.028
12000	0.027

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

12001	0.027
12002	0.027
12003	0.028
12004	0.028
12005	0.027
12006	0.028
12007	0.028
12008	0.029
12009	0.028
12010	0.029
12011	0.028
12012	0.027
12013	0.028
12014	0.027
12015	0.028
12016	0.027
12017	0.028
12018	0.028
12019	0.029
12020	0.029
12021	0.028
12022	0.027
12023	0.027
12024	0.027
12025	0.028
12026	0.026
12027	0.026
12028	0.027
12029	0.027
12030	0.026
12031	0.026
12032	0.025
12033	0.026
12034	0.027
12035	0.026
12036	0.026
12037	0.027
12038	0.027
12039	0.026
12040	0.025
12041	0.026
12042	0.027
12043	0.027
12044	0.025
12045	0.026
12046	0.027
12047	0.025
12048	0.026

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

12049	0.026
12050	0.028
12051	0.028
12052	0.025
12053	0.026
12054	0.026
12055	0.025
12056	0.026
12057	0.025
12058	0.027
12059	0.027
12060	0.026
12061	0.026
12062	0.026
12063	0.025
12064	0.027
12065	0.027
12066	0.026
12067	0.027
12068	0.028
12069	0.027
12070	0.025
12071	0.026
12072	0.027
12073	0.026
12074	0.027
12075	0.027
12076	0.026
12077	0.027
12078	0.03
12079	0.031
12080	0.026
12081	0.026
12082	0.026
12083	0.026
12084	0.024
12085	0.026
12086	0.026
12087	0.026
12088	0.027
12089	0.027
12090	0.027
12091	0.026
12092	0.027
12093	0.027
12094	0.027
12095	0.027
12096	0.025

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

12097	0.024
12098	0.025
12099	0.026
12100	0.027
12101	0.026
12102	0.026
12103	0.027
12104	0.027
12105	0.027
12106	0.028
12107	0.026
12108	0.026
12109	0.027
12110	0.027
12111	0.029
12112	0.029
12113	0.029
12114	0.027
12115	0.025
12116	0.027
12117	0.028
12118	0.027
12119	0.028
12120	0.026
12121	0.028
12122	0.027
12123	0.026
12124	0.026
12125	0.026
12126	0.026
12127	0.027
12128	0.027
12129	0.028
12130	0.027
12131	0.027
12132	0.028
12133	0.027
12134	0.028
12135	0.027
12136	0.026
12137	0.027
12138	0.028
12139	0.028
12140	0.026
12141	0.026
12142	0.028
12143	0.027
12144	0.026

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

12145	0.027
12146	0.027
12147	0.028
12148	0.029
12149	0.028
12150	0.027
12151	0.027
12152	0.029
12153	0.029
12154	0.027
12155	0.028
12156	0.027
12157	0.026
12158	0.025
12159	0.028
12160	0.027
12161	0.027
12162	0.027
12163	0.027
12164	0.028
12165	0.027
12166	0.027
12167	0.028
12168	0.028
12169	0.029
12170	0.029
12171	0.027
12172	0.027
12173	0.028
12174	0.027
12175	0.026
12176	0.026
12177	0.028
12178	0.028
12179	0.027
12180	0.029
12181	0.028
12182	0.028
12183	0.029
12184	0.029
12185	0.029
12186	0.028
12187	0.027
12188	0.028
12189	0.029
12190	0.032
12191	0.028
12192	0.027

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

12193	0.028
12194	0.028
12195	0.026
12196	0.026
12197	0.028
12198	0.028
12199	0.027
12200	0.027
12201	0.027
12202	0.027
12203	0.026
12204	0.058
12205	0.067
12206	0.027
12207	0.025
12208	0.026
12209	0.026
12210	0.026
12211	0.028
12212	0.028
12213	0.026
12214	0.026
12215	0.026
12216	0.026
12217	0.027
12218	0.027
12219	0.028
12220	0.028
12221	0.026
12222	0.026
12223	0.026
12224	0.026
12225	0.026
12226	0.026
12227	0.026
12228	0.027
12229	0.027
12230	0.027
12231	0.027
12232	0.026
12233	0.027
12234	0.028
12235	0.027
12236	0.027
12237	0.028
12238	0.028
12239	0.029
12240	0.027

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

12241	0.027
12242	0.028
12243	0.027
12244	0.026
12245	0.026
12246	0.027
12247	0.028
12248	0.027
12249	0.027
12250	0.027
12251	0.026
12252	0.026
12253	0.026
12254	0.025
12255	0.025
12256	0.025
12257	0.026
12258	0.026
12259	0.027
12260	0.026
12261	0.026
12262	0.026
12263	0.027
12264	0.029
12265	0.028
12266	0.027
12267	0.028
12268	0.029
12269	0.029
12270	0.029
12271	0.027
12272	0.026
12273	0.026
12274	0.027
12275	0.026
12276	0.025
12277	0.028
12278	0.029
12279	0.029
12280	0.027
12281	0.027
12282	0.027
12283	0.027
12284	0.029
12285	0.027
12286	0.027
12287	0.028
12288	0.028

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

12289	0.028
12290	0.028
12291	0.029
12292	0.028
12293	0.03
12294	0.028
12295	0.027
12296	0.028
12297	0.028
12298	0.029
12299	0.028
12300	0.029
12301	0.029
12302	0.027
12303	0.026
12304	0.027
12305	0.027
12306	0.026
12307	0.026
12308	0.026
12309	0.026
12310	0.028
12311	0.029
12312	0.029
12313	0.029
12314	0.028
12315	0.029
12316	0.027
12317	0.027
12318	0.027
12319	0.026
12320	0.027
12321	0.029
12322	0.028
12323	0.027
12324	0.027
12325	0.027
12326	0.028
12327	0.028
12328	0.028
12329	0.028
12330	0.027
12331	0.027
12332	0.028
12333	0.026
12334	0.028
12335	0.03
12336	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

12337	0.03
12338	0.028
12339	0.027
12340	0.028
12341	0.029
12342	0.029
12343	0.027
12344	0.027
12345	0.027
12346	0.028
12347	0.029
12348	0.029
12349	0.029
12350	0.03
12351	0.028
12352	0.027
12353	0.028
12354	0.028
12355	0.026
12356	0.027
12357	0.028
12358	0.029
12359	0.029
12360	0.028
12361	0.028
12362	0.027
12363	0.027
12364	0.026
12365	0.026
12366	0.028
12367	0.027
12368	0.026
12369	0.027
12370	0.029
12371	0.025
12372	0.025
12373	0.026
12374	0.026
12375	0.025
12376	0.025
12377	0.027
12378	0.027
12379	0.027
12380	0.027
12381	0.026
12382	0.026
12383	0.028
12384	0.029

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

12385	0.027
12386	0.027
12387	0.026
12388	0.027
12389	0.029
12390	0.029
12391	0.027
12392	0.027
12393	0.027
12394	0.027
12395	0.028
12396	0.029
12397	0.029
12398	0.029
12399	0.027
12400	0.029
12401	0.03
12402	0.03
12403	0.029
12404	0.029
12405	0.028
12406	0.027
12407	0.028
12408	0.028
12409	0.029
12410	0.031
12411	0.032
12412	0.032
12413	0.029
12414	0.029
12415	0.03
12416	0.029
12417	0.029
12418	0.03
12419	0.03
12420	0.029
12421	0.028
12422	0.03
12423	0.028
12424	0.027
12425	0.028
12426	0.027
12427	0.025
12428	0.026
12429	0.027
12430	0.026
12431	0.027
12432	0.026

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

12433	0.027
12434	0.027
12435	0.028
12436	0.027
12437	0.028
12438	0.029
12439	0.027
12440	0.027
12441	0.028
12442	0.028
12443	0.027
12444	0.027
12445	0.026
12446	0.027
12447	0.028
12448	0.027
12449	0.026
12450	0.026
12451	0.027
12452	0.026
12453	0.026
12454	0.026
12455	0.027
12456	0.026
12457	0.025
12458	0.025
12459	0.026
12460	0.027
12461	0.03
12462	0.031
12463	0.03
12464	0.029
12465	0.028
12466	0.027
12467	0.029
12468	0.032
12469	0.031
12470	0.028
12471	0.028
12472	0.027
12473	0.027
12474	0.027
12475	0.029
12476	0.031
12477	0.032
12478	0.028
12479	0.028
12480	0.03

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

12481	0.028
12482	0.028
12483	0.028
12484	0.028
12485	0.028
12486	0.028
12487	0.027
12488	0.029
12489	0.029
12490	0.028
12491	0.03
12492	0.031
12493	0.035
12494	0.031
12495	0.032
12496	0.034
12497	0.031
12498	0.031
12499	0.033
12500	0.033
12501	0.032
12502	0.029
12503	0.028
12504	0.03
12505	0.029
12506	0.027
12507	0.027
12508	0.028
12509	0.029
12510	0.03
12511	0.03
12512	0.03
12513	0.029
12514	0.029
12515	0.03
12516	0.031
12517	0.031
12518	0.03
12519	0.03
12520	0.029
12521	0.029
12522	0.029
12523	0.03
12524	0.031
12525	0.031
12526	0.03
12527	0.029
12528	0.029

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

12529	0.03
12530	0.028
12531	0.028
12532	0.029
12533	0.03
12534	0.033
12535	0.033
12536	0.031
12537	0.03
12538	0.028
12539	0.029
12540	0.03
12541	0.028
12542	0.028
12543	0.029
12544	0.029
12545	0.028
12546	0.028
12547	0.029
12548	0.028
12549	0.028
12550	0.028
12551	0.029
12552	0.03
12553	0.029
12554	0.029
12555	0.028
12556	0.027
12557	0.028
12558	0.027
12559	0.027
12560	0.028
12561	0.03
12562	0.03
12563	0.027
12564	0.03
12565	0.031
12566	0.028
12567	0.028
12568	0.028
12569	0.03
12570	0.029
12571	0.029
12572	0.029
12573	0.03
12574	0.032
12575	0.03
12576	0.029

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

12577	0.028
12578	0.028
12579	0.028
12580	0.028
12581	0.027
12582	0.028
12583	0.028
12584	0.028
12585	0.028
12586	0.03
12587	0.03
12588	0.028
12589	0.029
12590	0.029
12591	0.028
12592	0.027
12593	0.028
12594	0.028
12595	0.028
12596	0.03
12597	0.03
12598	0.028
12599	0.031
12600	0.032
12601	0.029
12602	0.03
12603	0.031
12604	0.029
12605	0.028
12606	0.028
12607	0.03
12608	0.03
12609	0.028
12610	0.028
12611	0.028
12612	0.027
12613	0.028
12614	0.029
12615	0.03
12616	0.03
12617	0.031
12618	0.03
12619	0.029
12620	0.029
12621	0.031
12622	0.031
12623	0.029
12624	0.028

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

12625	0.029
12626	0.029
12627	0.029
12628	0.029
12629	0.03
12630	0.03
12631	0.029
12632	0.028
12633	0.031
12634	0.03
12635	0.03
12636	0.03
12637	0.031
12638	0.03
12639	0.029
12640	0.029
12641	0.029
12642	0.029
12643	0.03
12644	0.03
12645	0.031
12646	0.032
12647	0.03
12648	0.028
12649	0.029
12650	0.03
12651	0.029
12652	0.03
12653	0.03
12654	0.03
12655	0.03
12656	0.029
12657	0.031
12658	0.029
12659	0.027
12660	0.028
12661	0.029
12662	0.028
12663	0.028
12664	0.027
12665	0.026
12666	0.027
12667	0.028
12668	0.028
12669	0.028
12670	0.026
12671	0.028
12672	0.028

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

12673	0.028
12674	0.029
12675	0.028
12676	0.029
12677	0.029
12678	0.027
12679	0.028
12680	0.029
12681	0.029
12682	0.029
12683	0.03
12684	0.028
12685	0.031
12686	0.031
12687	0.03
12688	0.031
12689	0.031
12690	0.029
12691	0.029
12692	0.03
12693	0.028
12694	0.029
12695	0.029
12696	0.031
12697	0.03
12698	0.029
12699	0.03
12700	0.029
12701	0.03
12702	0.031
12703	0.032
12704	0.03
12705	0.029
12706	0.029
12707	0.029
12708	0.029
12709	0.029
12710	0.029
12711	0.028
12712	0.027
12713	0.027
12714	0.028
12715	0.03
12716	0.03
12717	0.029
12718	0.031
12719	0.032
12720	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

12721	0.031
12722	0.031
12723	0.03
12724	0.03
12725	0.03
12726	0.03
12727	0.031
12728	0.03
12729	0.031
12730	0.029
12731	0.029
12732	0.029
12733	0.03
12734	0.031
12735	0.03
12736	0.031
12737	0.032
12738	0.031
12739	0.031
12740	0.031
12741	0.03
12742	0.03
12743	0.029
12744	0.03
12745	0.029
12746	0.03
12747	0.031
12748	0.03
12749	0.03
12750	0.029
12751	0.031
12752	0.03
12753	0.028
12754	0.029
12755	0.032
12756	0.032
12757	0.028
12758	0.028
12759	0.03
12760	0.031
12761	0.031
12762	0.032
12763	0.031
12764	0.031
12765	0.029
12766	0.03
12767	0.032
12768	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

12769	0.03
12770	0.03
12771	0.032
12772	0.031
12773	0.029
12774	0.03
12775	0.029
12776	0.028
12777	0.029
12778	0.029
12779	0.028
12780	0.028
12781	0.029
12782	0.031
12783	0.031
12784	0.029
12785	0.028
12786	0.028
12787	0.03
12788	0.029
12789	0.029
12790	0.029
12791	0.03
12792	0.029
12793	0.029
12794	0.028
12795	0.028
12796	0.03
12797	0.029
12798	0.027
12799	0.03
12800	0.034
12801	0.029
12802	0.029
12803	0.029
12804	0.028
12805	0.028
12806	0.029
12807	0.031
12808	0.03
12809	0.029
12810	0.029
12811	0.03
12812	0.031
12813	0.03
12814	0.03
12815	0.029
12816	0.028

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

12817	0.033
12818	0.033
12819	0.029
12820	0.03
12821	0.03
12822	0.031
12823	0.03
12824	0.03
12825	0.029
12826	0.027
12827	0.028
12828	0.028
12829	0.027
12830	0.028
12831	0.029
12832	0.03
12833	0.029
12834	0.028
12835	0.027
12836	0.029
12837	0.028
12838	0.029
12839	0.03
12840	0.03
12841	0.028
12842	0.029
12843	0.03
12844	0.03
12845	0.029
12846	0.029
12847	0.028
12848	0.029
12849	0.028
12850	0.028
12851	0.03
12852	0.03
12853	0.029
12854	0.028
12855	0.028
12856	0.029
12857	0.029
12858	0.028
12859	0.029
12860	0.029
12861	0.028
12862	0.027
12863	0.027
12864	0.029

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

12865	0.029
12866	0.029
12867	0.028
12868	0.029
12869	0.03
12870	0.029
12871	0.029
12872	0.03
12873	0.03
12874	0.029
12875	0.031
12876	0.029
12877	0.029
12878	0.03
12879	0.03
12880	0.03
12881	0.03
12882	0.031
12883	0.03
12884	0.031
12885	0.031
12886	0.031
12887	0.029
12888	0.029
12889	0.031
12890	0.03
12891	0.028
12892	0.028
12893	0.03
12894	0.03
12895	0.03
12896	0.033
12897	0.032
12898	0.029
12899	0.031
12900	0.034
12901	0.032
12902	0.03
12903	0.027
12904	0.028
12905	0.029
12906	0.03
12907	0.03
12908	0.029
12909	0.029
12910	0.029
12911	0.028
12912	0.029

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

12913	0.029
12914	0.03
12915	0.03
12916	0.03
12917	0.03
12918	0.03
12919	0.032
12920	0.03
12921	0.03
12922	0.031
12923	0.031
12924	0.029
12925	0.029
12926	0.029
12927	0.03
12928	0.029
12929	0.029
12930	0.029
12931	0.029
12932	0.029
12933	0.029
12934	0.028
12935	0.027
12936	0.028
12937	0.029
12938	0.027
12939	0.028
12940	0.029
12941	0.028
12942	0.028
12943	0.029
12944	0.029
12945	0.029
12946	0.028
12947	0.029
12948	0.03
12949	0.028
12950	0.027
12951	0.029
12952	0.03
12953	0.029
12954	0.029
12955	0.029
12956	0.03
12957	0.031
12958	0.03
12959	0.029
12960	0.03

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

12961	0.031
12962	0.031
12963	0.03
12964	0.03
12965	0.03
12966	0.029
12967	0.03
12968	0.029
12969	0.029
12970	0.029
12971	0.029
12972	0.03
12973	0.031
12974	0.031
12975	0.031
12976	0.03
12977	0.031
12978	0.03
12979	0.029
12980	0.03
12981	0.03
12982	0.031
12983	0.032
12984	0.029
12985	0.03
12986	0.033
12987	0.031
12988	0.028
12989	0.029
12990	0.031
12991	0.03
12992	0.029
12993	0.03
12994	0.03
12995	0.029
12996	0.029
12997	0.03
12998	0.029
12999	0.028
13000	0.03
13001	0.03
13002	0.029
13003	0.03
13004	0.03
13005	0.031
13006	0.031
13007	0.033
13008	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

13009	0.03
13010	0.031
13011	0.031
13012	0.033
13013	0.032
13014	0.032
13015	0.033
13016	0.03
13017	0.032
13018	0.032
13019	0.028
13020	0.028
13021	0.028
13022	0.028
13023	0.029
13024	0.029
13025	0.03
13026	0.03
13027	0.03
13028	0.03
13029	0.029
13030	0.029
13031	0.029
13032	0.03
13033	0.029
13034	0.03
13035	0.032
13036	0.029
13037	0.028
13038	0.03
13039	0.032
13040	0.03
13041	0.029
13042	0.031
13043	0.032
13044	0.031
13045	0.031
13046	0.03
13047	0.031
13048	0.03
13049	0.03
13050	0.031
13051	0.03
13052	0.03
13053	0.032
13054	0.03
13055	0.032
13056	0.03

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

13057	0.03
13058	0.032
13059	0.032
13060	0.031
13061	0.03
13062	0.029
13063	0.029
13064	0.029
13065	0.029
13066	0.031
13067	0.031
13068	0.029
13069	0.03
13070	0.03
13071	0.03
13072	0.03
13073	0.029
13074	0.03
13075	0.031
13076	0.03
13077	0.031
13078	0.032
13079	0.032
13080	0.029
13081	0.029
13082	0.03
13083	0.03
13084	0.029
13085	0.028
13086	0.029
13087	0.03
13088	0.03
13089	0.031
13090	0.03
13091	0.029
13092	0.029
13093	0.029
13094	0.03
13095	0.03
13096	0.031
13097	0.031
13098	0.032
13099	0.031
13100	0.03
13101	0.03
13102	0.03
13103	0.03
13104	0.03

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

13105	0.03
13106	0.03
13107	0.03
13108	0.031
13109	0.032
13110	0.029
13111	0.03
13112	0.031
13113	0.03
13114	0.029
13115	0.03
13116	0.028
13117	0.029
13118	0.031
13119	0.029
13120	0.029
13121	0.029
13122	0.029
13123	0.029
13124	0.029
13125	0.029
13126	0.028
13127	0.028
13128	0.03
13129	0.029
13130	0.028
13131	0.028
13132	0.029
13133	0.029
13134	0.028
13135	0.029
13136	0.03
13137	0.029
13138	0.029
13139	0.028
13140	0.029
13141	0.03
13142	0.031
13143	0.033
13144	0.031
13145	0.03
13146	0.031
13147	0.031
13148	0.03
13149	0.031
13150	0.033
13151	0.031
13152	0.03

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

13153	0.029
13154	0.03
13155	0.031
13156	0.03
13157	0.03
13158	0.031
13159	0.031
13160	0.03
13161	0.031
13162	0.03
13163	0.03
13164	0.031
13165	0.032
13166	0.031
13167	0.031
13168	0.032
13169	0.03
13170	0.029
13171	0.028
13172	0.031
13173	0.032
13174	0.03
13175	0.03
13176	0.032
13177	0.031
13178	0.029
13179	0.03
13180	0.03
13181	0.03
13182	0.029
13183	0.03
13184	0.032
13185	0.031
13186	0.03
13187	0.028
13188	0.029
13189	0.031
13190	0.032
13191	0.029
13192	0.028
13193	0.029
13194	0.029
13195	0.031
13196	0.031
13197	0.03
13198	0.031
13199	0.031
13200	0.03

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

13201	0.03
13202	0.031
13203	0.031
13204	0.03
13205	0.03
13206	0.03
13207	0.03
13208	0.029
13209	0.031
13210	0.032
13211	0.031
13212	0.031
13213	0.03
13214	0.029
13215	0.03
13216	0.03
13217	0.029
13218	0.03
13219	0.03
13220	0.03
13221	0.031
13222	0.032
13223	0.031
13224	0.03
13225	0.03
13226	0.03
13227	0.03
13228	0.03
13229	0.032
13230	0.031
13231	0.033
13232	0.034
13233	0.029
13234	0.029
13235	0.03
13236	0.031
13237	0.031
13238	0.031
13239	0.03
13240	0.028
13241	0.028
13242	0.028
13243	0.028
13244	0.028
13245	0.029
13246	0.03
13247	0.029
13248	0.028

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

13249	0.027
13250	0.029
13251	0.03
13252	0.029
13253	0.029
13254	0.031
13255	0.031
13256	0.029
13257	0.029
13258	0.029
13259	0.029
13260	0.03
13261	0.031
13262	0.031
13263	0.029
13264	0.031
13265	0.032
13266	0.031
13267	0.029
13268	0.029
13269	0.029
13270	0.033
13271	0.034
13272	0.03
13273	0.029
13274	0.03
13275	0.029
13276	0.031
13277	0.03
13278	0.03
13279	0.031
13280	0.03
13281	0.029
13282	0.03
13283	0.03
13284	0.03
13285	0.03
13286	0.028
13287	0.029
13288	0.031
13289	0.03
13290	0.029
13291	0.03
13292	0.03
13293	0.029
13294	0.029
13295	0.03
13296	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

13297	0.03
13298	0.03
13299	0.03
13300	0.031
13301	0.03
13302	0.03
13303	0.032
13304	0.032
13305	0.032
13306	0.031
13307	0.029
13308	0.029
13309	0.03
13310	0.031
13311	0.032
13312	0.031
13313	0.03
13314	0.03
13315	0.031
13316	0.031
13317	0.029
13318	0.031
13319	0.031
13320	0.029
13321	0.03
13322	0.03
13323	0.028
13324	0.029
13325	0.031
13326	0.031
13327	0.029
13328	0.03
13329	0.03
13330	0.03
13331	0.031
13332	0.032
13333	0.034
13334	0.035
13335	0.032
13336	0.03
13337	0.029
13338	0.03
13339	0.03
13340	0.029
13341	0.03
13342	0.03
13343	0.03
13344	0.029

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

13345	0.029
13346	0.03
13347	0.032
13348	0.032
13349	0.032
13350	0.034
13351	0.034
13352	0.031
13353	0.031
13354	0.032
13355	0.03
13356	0.03
13357	0.032
13358	0.033
13359	0.033
13360	0.032
13361	0.03
13362	0.03
13363	0.03
13364	0.031
13365	0.029
13366	0.029
13367	0.031
13368	0.03
13369	0.03
13370	0.03
13371	0.03
13372	0.031
13373	0.029
13374	0.029
13375	0.032
13376	0.032
13377	0.03
13378	0.03
13379	0.029
13380	0.03
13381	0.031
13382	0.03
13383	0.029
13384	0.029
13385	0.029
13386	0.028
13387	0.029
13388	0.028
13389	0.029
13390	0.029
13391	0.03
13392	0.03

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

13393	0.03
13394	0.03
13395	0.029
13396	0.029
13397	0.029
13398	0.03
13399	0.03
13400	0.029
13401	0.031
13402	0.031
13403	0.029
13404	0.03
13405	0.031
13406	0.031
13407	0.032
13408	0.031
13409	0.029
13410	0.029
13411	0.03
13412	0.032
13413	0.031
13414	0.032
13415	0.032
13416	0.031
13417	0.031
13418	0.029
13419	0.03
13420	0.03
13421	0.03
13422	0.03
13423	0.031
13424	0.031
13425	0.03
13426	0.031
13427	0.031
13428	0.029
13429	0.029
13430	0.029
13431	0.03
13432	0.032
13433	0.031
13434	0.029
13435	0.029
13436	0.03
13437	0.03
13438	0.031
13439	0.029
13440	0.029

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

13441	0.031
13442	0.03
13443	0.029
13444	0.029
13445	0.029
13446	0.031
13447	0.032
13448	0.03
13449	0.031
13450	0.031
13451	0.031
13452	0.032
13453	0.029
13454	0.03
13455	0.03
13456	0.031
13457	0.03
13458	0.029
13459	0.028
13460	0.029
13461	0.03
13462	0.029
13463	0.029
13464	0.028
13465	0.031
13466	0.032
13467	0.029
13468	0.03
13469	0.031
13470	0.03
13471	0.03
13472	0.029
13473	0.029
13474	0.03
13475	0.031
13476	0.031
13477	0.03
13478	0.031
13479	0.032
13480	0.032
13481	0.029
13482	0.029
13483	0.03
13484	0.03
13485	0.03
13486	0.031
13487	0.031
13488	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

13489	0.031
13490	0.03
13491	0.03
13492	0.029
13493	0.03
13494	0.031
13495	0.029
13496	0.03
13497	0.032
13498	0.03
13499	0.03
13500	0.031
13501	0.031
13502	0.031
13503	0.032
13504	0.033
13505	0.032
13506	0.031
13507	0.032
13508	0.031
13509	0.029
13510	0.032
13511	0.034
13512	0.032
13513	0.032
13514	0.032
13515	0.031
13516	0.033
13517	0.033
13518	0.033
13519	0.032
13520	0.032
13521	0.03
13522	0.03
13523	0.03
13524	0.031
13525	0.031
13526	0.033
13527	0.037
13528	0.037
13529	0.036
13530	0.036
13531	0.037
13532	0.036
13533	0.037
13534	0.038
13535	0.038
13536	0.039

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

13537	0.036
13538	0.036
13539	0.038
13540	0.037
13541	0.036
13542	0.037
13543	0.037
13544	0.039
13545	0.039
13546	0.04
13547	0.04
13548	0.037
13549	0.037
13550	0.037
13551	0.036
13552	0.038
13553	0.039
13554	0.038
13555	0.037
13556	0.037
13557	0.036
13558	0.036
13559	0.051
13560	0.059
13561	0.038
13562	0.038
13563	0.04
13564	0.041
13565	0.04
13566	0.038
13567	0.042
13568	0.043
13569	0.042
13570	0.039
13571	0.039
13572	0.044
13573	0.042
13574	0.038
13575	0.039
13576	0.04
13577	0.043
13578	0.042
13579	0.042
13580	0.043
13581	0.041
13582	0.039
13583	0.039
13584	0.039

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

13585	0.038
13586	0.04
13587	0.041
13588	0.04
13589	0.039
13590	0.041
13591	0.042
13592	0.041
13593	0.041
13594	0.041
13595	0.039
13596	0.04
13597	0.042
13598	0.044
13599	0.041
13600	0.041
13601	0.043
13602	0.043
13603	0.04
13604	0.039
13605	0.042
13606	0.043
13607	0.041
13608	0.043
13609	0.043
13610	0.043
13611	0.044
13612	0.042
13613	0.041
13614	0.042
13615	0.043
13616	0.045
13617	0.043
13618	0.043
13619	0.043
13620	0.042
13621	0.041
13622	0.041
13623	0.041
13624	0.041
13625	0.043
13626	0.042
13627	0.042
13628	0.041
13629	0.043
13630	0.043
13631	0.044
13632	0.043

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

13633	0.042
13634	0.041
13635	0.042
13636	0.041
13637	0.042
13638	0.042
13639	0.041
13640	0.041
13641	0.042
13642	0.041
13643	0.041
13644	0.041
13645	0.041
13646	0.041
13647	0.042
13648	0.043
13649	0.045
13650	0.044
13651	0.041
13652	0.042
13653	0.044
13654	0.046
13655	0.047
13656	0.049
13657	0.046
13658	0.042
13659	0.042
13660	0.045
13661	0.046
13662	0.041
13663	0.369
13664	0.417
13665	0.038
13666	0.036
13667	0.036
13668	0.037
13669	0.036
13670	0.035
13671	0.036
13672	0.036
13673	0.035
13674	0.034
13675	0.033
13676	0.036
13677	0.035
13678	0.034
13679	0.036
13680	0.035

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

13681	0.034
13682	0.034
13683	0.035
13684	0.036
13685	0.034
13686	0.034
13687	0.035
13688	0.034
13689	0.034
13690	0.034
13691	0.035
13692	0.033
13693	0.034
13694	0.033
13695	0.033
13696	0.033
13697	0.033
13698	0.035
13699	0.036
13700	0.034
13701	0.034
13702	0.032
13703	0.033
13704	0.033
13705	0.034
13706	0.035
13707	0.034
13708	0.035
13709	0.033
13710	0.034
13711	0.035
13712	0.035
13713	0.034
13714	0.033
13715	0.034
13716	0.032
13717	0.032
13718	0.032
13719	0.033
13720	0.033
13721	0.032
13722	0.031
13723	0.033
13724	0.035
13725	0.033
13726	0.032
13727	0.033
13728	0.034

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

13729	0.033
13730	0.034
13731	0.034
13732	0.034
13733	0.033
13734	0.033
13735	0.034
13736	0.032
13737	0.033
13738	0.032
13739	0.032
13740	0.032
13741	0.032
13742	0.033
13743	0.033
13744	0.035
13745	0.034
13746	0.032
13747	0.034
13748	0.034
13749	0.035
13750	0.032
13751	0.033
13752	0.034
13753	0.034
13754	0.033
13755	0.032
13756	0.034
13757	0.032
13758	0.033
13759	0.033
13760	0.033
13761	0.034
13762	0.034
13763	0.035
13764	0.035
13765	0.033
13766	0.033
13767	0.032
13768	0.034
13769	0.034
13770	0.034
13771	0.035
13772	0.032
13773	0.033
13774	0.034
13775	0.033
13776	0.034

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

13777	0.033
13778	0.031
13779	0.032
13780	0.033
13781	0.032
13782	0.031
13783	0.033
13784	0.033
13785	0.032
13786	0.032
13787	0.033
13788	0.032
13789	0.031
13790	0.031
13791	0.032
13792	0.032
13793	0.032
13794	0.034
13795	0.034
13796	0.034
13797	0.033
13798	0.033
13799	0.034
13800	0.032
13801	0.032
13802	0.033
13803	0.034
13804	0.033
13805	0.032
13806	0.031
13807	0.031
13808	0.033
13809	0.034
13810	0.034
13811	0.033
13812	0.031
13813	0.031
13814	0.032
13815	0.033
13816	0.033
13817	0.033
13818	0.032
13819	0.032
13820	0.035
13821	0.033
13822	0.033
13823	0.032
13824	0.032

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

13825	0.034
13826	0.033
13827	0.031
13828	0.032
13829	0.032
13830	0.034
13831	0.034
13832	0.032
13833	0.032
13834	0.031
13835	0.031
13836	0.032
13837	0.032
13838	0.032
13839	0.032
13840	0.032
13841	0.033
13842	0.033
13843	0.033
13844	0.035
13845	0.033
13846	0.033
13847	0.033
13848	0.033
13849	0.033
13850	0.033
13851	0.033
13852	0.033
13853	0.033
13854	0.034
13855	0.032
13856	0.032
13857	0.032
13858	0.032
13859	0.032
13860	0.031
13861	0.03
13862	0.031
13863	0.031
13864	0.032
13865	0.034
13866	0.034
13867	0.031
13868	0.03
13869	0.031
13870	0.031
13871	0.031
13872	0.032

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

13873	0.033
13874	0.033
13875	0.033
13876	0.031
13877	0.03
13878	0.031
13879	0.03
13880	0.031
13881	0.03
13882	0.029
13883	0.031
13884	0.031
13885	0.03
13886	0.032
13887	0.033
13888	0.031
13889	0.031
13890	0.032
13891	0.03
13892	0.032
13893	0.032
13894	0.032
13895	0.033
13896	0.031
13897	0.032
13898	0.031
13899	0.031
13900	0.032
13901	0.032
13902	0.031
13903	0.031
13904	0.032
13905	0.032
13906	0.032
13907	0.032
13908	0.032
13909	0.032
13910	0.032
13911	0.032
13912	0.033
13913	0.033
13914	0.032
13915	0.033
13916	0.032
13917	0.03
13918	0.032
13919	0.033
13920	0.032

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

13921	0.031
13922	0.031
13923	0.031
13924	0.031
13925	0.031
13926	0.031
13927	0.031
13928	0.032
13929	0.033
13930	0.033
13931	0.031
13932	0.031
13933	0.031
13934	0.031
13935	0.031
13936	0.031
13937	0.032
13938	0.032
13939	0.032
13940	0.032
13941	0.032
13942	0.033
13943	0.032
13944	0.031
13945	0.031
13946	0.032
13947	0.032
13948	0.032
13949	0.033
13950	0.034
13951	0.034
13952	0.033
13953	0.033
13954	0.032
13955	0.032
13956	0.032
13957	0.031
13958	0.031
13959	0.03
13960	0.031
13961	0.031
13962	0.031
13963	0.032
13964	0.032
13965	0.032
13966	0.033
13967	0.032
13968	0.03

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

13969	0.033
13970	0.035
13971	0.032
13972	0.03
13973	0.034
13974	0.032
13975	0.032
13976	0.034
13977	0.033
13978	0.032
13979	0.032
13980	0.032
13981	0.033
13982	0.032
13983	0.032
13984	0.032
13985	0.03
13986	0.031
13987	0.031
13988	0.03
13989	0.031
13990	0.032
13991	0.031
13992	0.031
13993	0.031
13994	0.031
13995	0.031
13996	0.031
13997	0.033
13998	0.032
13999	0.031
14000	0.03
14001	0.03
14002	0.031
14003	0.031
14004	0.032
14005	0.032
14006	0.031
14007	0.031
14008	0.034
14009	0.035
14010	0.032
14011	0.032
14012	0.032
14013	0.031
14014	0.031
14015	0.032
14016	0.033

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

14017	0.032
14018	0.032
14019	0.031
14020	0.032
14021	0.031
14022	0.031
14023	0.032
14024	0.031
14025	0.03
14026	0.031
14027	0.032
14028	0.03
14029	0.032
14030	0.032
14031	0.031
14032	0.031
14033	0.032
14034	0.032
14035	0.032
14036	0.033
14037	0.033
14038	0.031
14039	0.029
14040	0.03
14041	0.03
14042	0.029
14043	0.03
14044	0.031
14045	0.031
14046	0.031
14047	0.031
14048	0.032
14049	0.032
14050	0.03
14051	0.032
14052	0.033
14053	0.032
14054	0.032
14055	0.033
14056	0.033
14057	0.031
14058	0.031
14059	0.031
14060	0.031
14061	0.031
14062	0.032
14063	0.031
14064	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

14065	0.031
14066	0.031
14067	0.031
14068	0.032
14069	0.033
14070	0.033
14071	0.033
14072	0.032
14073	0.03
14074	0.031
14075	0.032
14076	0.033
14077	0.031
14078	0.03
14079	0.03
14080	0.032
14081	0.031
14082	0.029
14083	0.031
14084	0.031
14085	0.033
14086	0.033
14087	0.03
14088	0.031
14089	0.033
14090	0.031
14091	0.031
14092	0.032
14093	0.032
14094	0.031
14095	0.03
14096	0.032
14097	0.033
14098	0.032
14099	0.03
14100	0.031
14101	0.032
14102	0.032
14103	0.032
14104	0.03
14105	0.031
14106	0.032
14107	0.033
14108	0.032
14109	0.032
14110	0.032
14111	0.031
14112	0.032

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

14113	0.031
14114	0.032
14115	0.032
14116	0.031
14117	0.032
14118	0.031
14119	0.031
14120	0.032
14121	0.031
14122	0.031
14123	0.029
14124	0.031
14125	0.03
14126	0.031
14127	0.033
14128	0.033
14129	0.032
14130	0.032
14131	0.032
14132	0.032
14133	0.032
14134	0.032
14135	0.031
14136	0.031
14137	0.031
14138	0.031
14139	0.03
14140	0.029
14141	0.03
14142	0.03
14143	0.033
14144	0.032
14145	0.032
14146	0.034
14147	0.031
14148	0.032
14149	0.032
14150	0.031
14151	0.031
14152	0.033
14153	0.033
14154	0.032
14155	0.031
14156	0.032
14157	0.032
14158	0.032
14159	0.032
14160	0.03

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

14161	0.03
14162	0.031
14163	0.031
14164	0.032
14165	0.032
14166	0.032
14167	0.033
14168	0.033
14169	0.033
14170	0.032
14171	0.033
14172	0.033
14173	0.031
14174	0.031
14175	0.033
14176	0.034
14177	0.032
14178	0.031
14179	0.031
14180	0.032
14181	0.031
14182	0.031
14183	0.032
14184	0.03
14185	0.03
14186	0.031
14187	0.031
14188	0.031
14189	0.032
14190	0.033
14191	0.032
14192	0.031
14193	0.032
14194	0.032
14195	0.032
14196	0.032
14197	0.031
14198	0.032
14199	0.031
14200	0.032
14201	0.032
14202	0.032
14203	0.031
14204	0.029
14205	0.031
14206	0.033
14207	0.032
14208	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

14209	0.032
14210	0.031
14211	0.031
14212	0.03
14213	0.032
14214	0.031
14215	0.032
14216	0.032
14217	0.031
14218	0.032
14219	0.033
14220	0.031
14221	0.033
14222	0.033
14223	0.032
14224	0.034
14225	0.033
14226	0.031
14227	0.032
14228	0.031
14229	0.03
14230	0.031
14231	0.032
14232	0.033
14233	0.032
14234	0.03
14235	0.031
14236	0.031
14237	0.03
14238	0.031
14239	0.032
14240	0.031
14241	0.032
14242	0.032
14243	0.031
14244	0.032
14245	0.033
14246	0.033
14247	0.032
14248	0.031
14249	0.031
14250	0.032
14251	0.032
14252	0.032
14253	0.031
14254	0.032
14255	0.031
14256	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

14257	0.032
14258	0.032
14259	0.032
14260	0.032
14261	0.032
14262	0.032
14263	0.032
14264	0.032
14265	0.031
14266	0.029
14267	0.03
14268	0.032
14269	0.033
14270	0.032
14271	0.031
14272	0.033
14273	0.032
14274	0.031
14275	0.032
14276	0.031
14277	0.031
14278	0.032
14279	0.033
14280	0.033
14281	0.033
14282	0.032
14283	0.032
14284	0.031
14285	0.03
14286	0.031
14287	0.03
14288	0.03
14289	0.031
14290	0.031
14291	0.031
14292	0.03
14293	0.032
14294	0.031
14295	0.03
14296	0.031
14297	0.031
14298	0.031
14299	0.03
14300	0.031
14301	0.031
14302	0.032
14303	0.033
14304	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

14305	0.031
14306	0.03
14307	0.03
14308	0.032
14309	0.032
14310	0.032
14311	0.032
14312	0.031
14313	0.031
14314	0.031
14315	0.032
14316	0.033
14317	0.033
14318	0.033
14319	0.031
14320	0.031
14321	0.032
14322	0.033
14323	0.033
14324	0.031
14325	0.03
14326	0.031
14327	0.032
14328	0.032
14329	0.032
14330	0.032
14331	0.03
14332	0.031
14333	0.032
14334	0.032
14335	0.03
14336	0.032
14337	0.032
14338	0.032
14339	0.033
14340	0.033
14341	0.032
14342	0.033
14343	0.031
14344	0.031
14345	0.031
14346	0.031
14347	0.03
14348	0.032
14349	0.032
14350	0.03
14351	0.032
14352	0.033

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

14353	0.03
14354	0.03
14355	0.031
14356	0.033
14357	0.031
14358	0.03
14359	0.03
14360	0.031
14361	0.031
14362	0.032
14363	0.03
14364	0.03
14365	0.03
14366	0.03
14367	0.032
14368	0.031
14369	0.031
14370	0.031
14371	0.031
14372	0.03
14373	0.031
14374	0.031
14375	0.032
14376	0.031
14377	0.031
14378	0.029
14379	0.031
14380	0.032
14381	0.031
14382	0.032
14383	0.033
14384	0.031
14385	0.031
14386	0.031
14387	0.029
14388	0.03
14389	0.031
14390	0.03
14391	0.031
14392	0.031
14393	0.031
14394	0.031
14395	0.032
14396	0.031
14397	0.032
14398	0.031
14399	0.031
14400	0.032

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

14401	0.032
14402	0.031
14403	0.032
14404	0.031
14405	0.031
14406	0.032
14407	0.031
14408	0.031
14409	0.03
14410	0.031
14411	0.031
14412	0.031
14413	0.03
14414	0.03
14415	0.031
14416	0.031
14417	0.032
14418	0.032
14419	0.031
14420	0.032
14421	0.033
14422	0.031
14423	0.031
14424	0.032
14425	0.032
14426	0.032
14427	0.033
14428	0.032
14429	0.031
14430	0.033
14431	0.032
14432	0.032
14433	0.031
14434	0.031
14435	0.033
14436	0.031
14437	0.031
14438	0.031
14439	0.032
14440	0.031
14441	0.03
14442	0.031
14443	0.032
14444	0.031
14445	0.031
14446	0.032
14447	0.031
14448	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

14449	0.032
14450	0.032
14451	0.031
14452	0.031
14453	0.031
14454	0.034
14455	0.035
14456	0.033
14457	0.032
14458	0.03
14459	0.03
14460	0.031
14461	0.03
14462	0.031
14463	0.03
14464	0.03
14465	0.031
14466	0.034
14467	0.033
14468	0.032
14469	0.033
14470	0.031
14471	0.031
14472	0.031
14473	0.032
14474	0.031
14475	0.029
14476	0.033
14477	0.035
14478	0.031
14479	0.03
14480	0.03
14481	0.031
14482	0.031
14483	0.031
14484	0.032
14485	0.031
14486	0.031
14487	0.031
14488	0.032
14489	0.032
14490	0.031
14491	0.032
14492	0.033
14493	0.033
14494	0.031
14495	0.03
14496	0.03

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

14497	0.029
14498	0.031
14499	0.032
14500	0.033
14501	0.033
14502	0.031
14503	0.033
14504	0.032
14505	0.03
14506	0.03
14507	0.029
14508	0.03
14509	0.03
14510	0.031
14511	0.031
14512	0.032
14513	0.032
14514	0.031
14515	0.031
14516	0.032
14517	0.032
14518	0.032
14519	0.031
14520	0.031
14521	0.032
14522	0.032
14523	0.031
14524	0.031
14525	0.032
14526	0.032
14527	0.031
14528	0.032
14529	0.033
14530	0.034
14531	0.032
14532	0.031
14533	0.031
14534	0.031
14535	0.031
14536	0.032
14537	0.032
14538	0.031
14539	0.031
14540	0.031
14541	0.031
14542	0.031
14543	0.033
14544	0.03

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

14545	0.031
14546	0.033
14547	0.032
14548	0.031
14549	0.032
14550	0.031
14551	0.03
14552	0.031
14553	0.032
14554	0.03
14555	0.031
14556	0.031
14557	0.032
14558	0.032
14559	0.031
14560	0.032
14561	0.031
14562	0.031
14563	0.031
14564	0.031
14565	0.034
14566	0.034
14567	0.032
14568	0.031
14569	0.031
14570	0.03
14571	0.03
14572	0.03
14573	0.031
14574	0.03
14575	0.029
14576	0.031
14577	0.03
14578	0.03
14579	0.032
14580	0.033
14581	0.031
14582	0.031
14583	0.032
14584	0.031
14585	0.032
14586	0.033
14587	0.031
14588	0.03
14589	0.032
14590	0.032
14591	0.032
14592	0.032

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

14593	0.031
14594	0.033
14595	0.033
14596	0.032
14597	0.032
14598	0.032
14599	0.032
14600	0.031
14601	0.03
14602	0.031
14603	0.031
14604	0.03
14605	0.029
14606	0.03
14607	0.031
14608	0.03
14609	0.031
14610	0.032
14611	0.032
14612	0.032
14613	0.034
14614	0.033
14615	0.031
14616	0.031
14617	0.031
14618	0.031
14619	0.031
14620	0.032
14621	0.033
14622	0.031
14623	0.031
14624	0.032
14625	0.033
14626	0.035
14627	0.033
14628	0.032
14629	0.031
14630	0.031
14631	0.031
14632	0.031
14633	0.033
14634	0.033
14635	0.031
14636	0.031
14637	0.031
14638	0.032
14639	0.031
14640	0.032

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

14641	0.033
14642	0.034
14643	0.031
14644	0.031
14645	0.031
14646	0.031
14647	0.031
14648	0.031
14649	0.032
14650	0.032
14651	0.032
14652	0.031
14653	0.032
14654	0.032
14655	0.03
14656	0.03
14657	0.032
14658	0.033
14659	0.032
14660	0.031
14661	0.032
14662	0.031
14663	0.032
14664	0.033
14665	0.03
14666	0.03
14667	0.031
14668	0.032
14669	0.031
14670	0.031
14671	0.032
14672	0.032
14673	0.032
14674	0.032
14675	0.033
14676	0.035
14677	0.035
14678	0.033
14679	0.032
14680	0.03
14681	0.032
14682	0.032
14683	0.031
14684	0.032
14685	0.032
14686	0.031
14687	0.032
14688	0.032

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

14689	0.031
14690	0.033
14691	0.032
14692	0.032
14693	0.031
14694	0.032
14695	0.033
14696	0.035
14697	0.034
14698	0.032
14699	0.033
14700	0.033
14701	0.032
14702	0.032
14703	0.032
14704	0.032
14705	0.033
14706	0.034
14707	0.034
14708	0.033
14709	0.032
14710	0.031
14711	0.032
14712	0.032
14713	0.031
14714	0.032
14715	0.032
14716	0.031
14717	0.032
14718	0.033
14719	0.032
14720	0.031
14721	0.03
14722	0.03
14723	0.031
14724	0.032
14725	0.033
14726	0.033
14727	0.033
14728	0.032
14729	0.031
14730	0.031
14731	0.032
14732	0.034
14733	0.033
14734	0.032
14735	0.031
14736	0.03

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

14737	0.031
14738	0.032
14739	0.033
14740	0.034
14741	0.034
14742	0.032
14743	0.033
14744	0.034
14745	0.033
14746	0.033
14747	0.033
14748	0.033
14749	0.033
14750	0.032
14751	0.032
14752	0.03
14753	0.031
14754	0.03
14755	0.031
14756	0.032
14757	0.033
14758	0.032
14759	0.032
14760	0.032
14761	0.031
14762	0.032
14763	0.031
14764	0.03
14765	0.031
14766	0.031
14767	0.032
14768	0.033
14769	0.033
14770	0.032
14771	0.03
14772	0.03
14773	0.03
14774	0.032
14775	0.033
14776	0.031
14777	0.032
14778	0.034
14779	0.032
14780	0.031
14781	0.031
14782	0.03
14783	0.033
14784	0.035

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

14785	0.031
14786	0.03
14787	0.031
14788	0.032
14789	0.033
14790	0.033
14791	0.033
14792	0.032
14793	0.032
14794	0.032
14795	0.031
14796	0.031
14797	0.032
14798	0.034
14799	0.031
14800	0.032
14801	0.033
14802	0.032
14803	0.032
14804	0.033
14805	0.031
14806	0.032
14807	0.031
14808	0.031
14809	0.032
14810	0.032
14811	0.032
14812	0.032
14813	0.03
14814	0.033
14815	0.035
14816	0.035
14817	0.032
14818	0.033
14819	0.032
14820	0.031
14821	0.03
14822	0.031
14823	0.031
14824	0.031
14825	0.031
14826	0.031
14827	0.032
14828	0.033
14829	0.032
14830	0.031
14831	0.032
14832	0.033

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

14833	0.032
14834	0.031
14835	0.032
14836	0.033
14837	0.031
14838	0.031
14839	0.033
14840	0.033
14841	0.032
14842	0.03
14843	0.03
14844	0.031
14845	0.031
14846	0.032
14847	0.033
14848	0.033
14849	0.032
14850	0.03
14851	0.033
14852	0.032
14853	0.032
14854	0.031
14855	0.033
14856	0.033
14857	0.033
14858	0.031
14859	0.032
14860	0.033
14861	0.031
14862	0.031
14863	0.029
14864	0.031
14865	0.033
14866	0.032
14867	0.032
14868	0.032
14869	0.032
14870	0.032
14871	0.033
14872	0.032
14873	0.031
14874	0.032
14875	0.032
14876	0.032
14877	0.032
14878	0.031
14879	0.031
14880	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

14881	0.033
14882	0.031
14883	0.031
14884	0.034
14885	0.034
14886	0.032
14887	0.032
14888	0.032
14889	0.032
14890	0.033
14891	0.032
14892	0.032
14893	0.033
14894	0.032
14895	0.032
14896	0.03
14897	0.031
14898	0.03
14899	0.03
14900	0.03
14901	0.032
14902	0.033
14903	0.033
14904	0.032
14905	0.031
14906	0.033
14907	0.031
14908	0.032
14909	0.032
14910	0.031
14911	0.03
14912	0.033
14913	0.034
14914	0.031
14915	0.031
14916	0.032
14917	0.033
14918	0.032
14919	0.032
14920	0.031
14921	0.033
14922	0.03
14923	0.031
14924	0.033
14925	0.033
14926	0.032
14927	0.032
14928	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

14929	0.029
14930	0.03
14931	0.029
14932	0.031
14933	0.032
14934	0.034
14935	0.033
14936	0.032
14937	0.033
14938	0.031
14939	0.032
14940	0.032
14941	0.033
14942	0.035
14943	0.033
14944	0.034
14945	0.034
14946	0.032
14947	0.032
14948	0.031
14949	0.031
14950	0.031
14951	0.032
14952	0.032
14953	0.032
14954	0.033
14955	0.034
14956	0.033
14957	0.033
14958	0.034
14959	0.033
14960	0.031
14961	0.031
14962	0.032
14963	0.034
14964	0.033
14965	0.032
14966	0.031
14967	0.032
14968	0.032
14969	0.032
14970	0.033
14971	0.032
14972	0.034
14973	0.033
14974	0.032
14975	0.033
14976	0.032

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

14977	0.032
14978	0.032
14979	0.031
14980	0.03
14981	0.032
14982	0.032
14983	0.034
14984	0.033
14985	0.034
14986	0.033
14987	0.034
14988	0.034
14989	0.03
14990	0.032
14991	0.031
14992	0.03
14993	0.031
14994	0.031
14995	0.03
14996	0.032
14997	0.034
14998	0.033
14999	0.031
15000	0.031
15001	0.032
15002	0.034
15003	0.031
15004	0.03
15005	0.032
15006	0.033
15007	0.033
15008	0.03
15009	0.033
15010	0.033
15011	0.031
15012	0.031
15013	0.032
15014	0.032
15015	0.031
15016	0.031
15017	0.032
15018	0.031
15019	0.029
15020	0.03
15021	0.032
15022	0.031
15023	0.032
15024	0.032

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

15025	0.031
15026	0.031
15027	0.032
15028	0.034
15029	0.033
15030	0.032
15031	0.032
15032	0.032
15033	0.031
15034	0.03
15035	0.031
15036	0.032
15037	0.033
15038	0.034
15039	0.032
15040	0.032
15041	0.033
15042	0.031
15043	0.031
15044	0.033
15045	0.032
15046	0.032
15047	0.033
15048	0.033
15049	0.032
15050	0.032
15051	0.033
15052	0.033
15053	0.03
15054	0.031
15055	0.03
15056	0.031
15057	0.032
15058	0.032
15059	0.033
15060	0.031
15061	0.032
15062	0.032
15063	0.031
15064	0.032
15065	0.033
15066	0.033
15067	0.035
15068	0.032
15069	0.031
15070	0.031
15071	0.031
15072	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

15073	0.03
15074	0.031
15075	0.032
15076	0.033
15077	0.033
15078	0.032
15079	0.031
15080	0.032
15081	0.031
15082	0.033
15083	0.034
15084	0.033
15085	0.032
15086	0.031
15087	0.031
15088	0.031
15089	0.033
15090	0.033
15091	0.033
15092	0.033
15093	0.032
15094	0.031
15095	0.032
15096	0.032
15097	0.031
15098	0.031
15099	0.032
15100	0.033
15101	0.034
15102	0.033
15103	0.033
15104	0.031
15105	0.031
15106	0.032
15107	0.031
15108	0.03
15109	0.031
15110	0.032
15111	0.031
15112	0.03
15113	0.032
15114	0.032
15115	0.032
15116	0.031
15117	0.032
15118	0.031
15119	0.032
15120	0.032

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

15121	0.033
15122	0.032
15123	0.032
15124	0.031
15125	0.03
15126	0.032
15127	0.032
15128	0.032
15129	0.033
15130	0.032
15131	0.031
15132	0.032
15133	0.033
15134	0.033
15135	0.032
15136	0.033
15137	0.033
15138	0.032
15139	0.032
15140	0.031
15141	0.031
15142	0.031
15143	0.033
15144	0.033
15145	0.033
15146	0.032
15147	0.033
15148	0.032
15149	0.032
15150	0.032
15151	0.032
15152	0.034
15153	0.032
15154	0.031
15155	0.03
15156	0.032
15157	0.033
15158	0.031
15159	0.032
15160	0.032
15161	0.03
15162	0.032
15163	0.032
15164	0.03
15165	0.032
15166	0.033
15167	0.032
15168	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

15169	0.032
15170	0.033
15171	0.033
15172	0.033
15173	0.032
15174	0.033
15175	0.032
15176	0.031
15177	0.032
15178	0.031
15179	0.032
15180	0.033
15181	0.033
15182	0.032
15183	0.031
15184	0.032
15185	0.032
15186	0.032
15187	0.031
15188	0.031
15189	0.031
15190	0.03
15191	0.031
15192	0.032
15193	0.032
15194	0.031
15195	0.032
15196	0.033
15197	0.032
15198	0.032
15199	0.032
15200	0.033
15201	0.032
15202	0.032
15203	0.032
15204	0.033
15205	0.032
15206	0.031
15207	0.031
15208	0.03
15209	0.03
15210	0.032
15211	0.031
15212	0.029
15213	0.031
15214	0.031
15215	0.032
15216	0.033

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

15217	0.031
15218	0.031
15219	0.032
15220	0.032
15221	0.032
15222	0.032
15223	0.032
15224	0.03
15225	0.031
15226	0.033
15227	0.031
15228	0.032
15229	0.033
15230	0.033
15231	0.034
15232	0.032
15233	0.031
15234	0.033
15235	0.032
15236	0.032
15237	0.032
15238	0.031
15239	0.031
15240	0.032
15241	0.032
15242	0.031
15243	0.03
15244	0.032
15245	0.033
15246	0.033
15247	0.032
15248	0.031
15249	0.031
15250	0.031
15251	0.033
15252	0.03
15253	0.032
15254	0.032
15255	0.031
15256	0.031
15257	0.031
15258	0.031
15259	0.033
15260	0.034
15261	0.033
15262	0.032
15263	0.032
15264	0.032

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

15265	0.032
15266	0.032
15267	0.031
15268	0.031
15269	0.032
15270	0.031
15271	0.031
15272	0.031
15273	0.033
15274	0.032
15275	0.033
15276	0.032
15277	0.031
15278	0.032
15279	0.031
15280	0.033
15281	0.033
15282	0.033
15283	0.035
15284	0.033
15285	0.031
15286	0.032
15287	0.031
15288	0.03
15289	0.032
15290	0.033
15291	0.033
15292	0.033
15293	0.033
15294	0.031
15295	0.031
15296	0.032
15297	0.032
15298	0.033
15299	0.034
15300	0.032
15301	0.031
15302	0.032
15303	0.032
15304	0.031
15305	0.031
15306	0.032
15307	0.032
15308	0.031
15309	0.032
15310	0.031
15311	0.031
15312	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

15313	0.032
15314	0.032
15315	0.031
15316	0.031
15317	0.032
15318	0.032
15319	0.031
15320	0.031
15321	0.033
15322	0.032
15323	0.03
15324	0.03
15325	0.032
15326	0.033
15327	0.033
15328	0.032
15329	0.031
15330	0.031
15331	0.033
15332	0.033
15333	0.033
15334	0.033
15335	0.033
15336	0.032
15337	0.032
15338	0.032
15339	0.033
15340	0.034
15341	0.032
15342	0.032
15343	0.033
15344	0.031
15345	0.032
15346	0.031
15347	0.032
15348	0.032
15349	0.032
15350	0.032
15351	0.032
15352	0.033
15353	0.033
15354	0.031
15355	0.032
15356	0.033
15357	0.033
15358	0.032
15359	0.031
15360	0.032

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

15361	0.032
15362	0.032
15363	0.033
15364	0.034
15365	0.035
15366	0.035
15367	0.032
15368	0.032
15369	0.032
15370	0.032
15371	0.031
15372	0.032
15373	0.033
15374	0.033
15375	0.033
15376	0.033
15377	0.033
15378	0.033
15379	0.033
15380	0.034
15381	0.033
15382	0.033
15383	0.033
15384	0.033
15385	0.032
15386	0.032
15387	0.032
15388	0.034
15389	0.033
15390	0.033
15391	0.033
15392	0.032
15393	0.032
15394	0.034
15395	0.033
15396	0.033
15397	0.033
15398	0.033
15399	0.033
15400	0.034
15401	0.034
15402	0.033
15403	0.031
15404	0.033
15405	0.033
15406	0.034
15407	0.033
15408	0.033

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

15409	0.033
15410	0.031
15411	0.033
15412	0.032
15413	0.031
15414	0.032
15415	0.032
15416	0.031
15417	0.031
15418	0.031
15419	0.032
15420	0.033
15421	0.032
15422	0.056
15423	0.105
15424	0.061
15425	0.045
15426	0.045
15427	0.048
15428	0.055
15429	0.05
15430	0.061
15431	0.048
15432	0.046
15433	0.043
15434	0.042
15435	0.04
15436	0.037
15437	0.034
15438	0.036
15439	0.036
15440	0.033
15441	0.034
15442	0.034
15443	0.035
15444	0.035
15445	0.036
15446	0.034
15447	0.034
15448	0.034
15449	0.034
15450	0.034
15451	0.033
15452	0.033
15453	0.034
15454	0.033
15455	0.034
15456	0.035

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

15457	0.035
15458	0.034
15459	0.035
15460	0.036
15461	0.036
15462	0.036
15463	0.036
15464	0.035
15465	0.035
15466	0.036
15467	0.036
15468	0.035
15469	0.035
15470	0.033
15471	0.034
15472	0.036
15473	0.038
15474	0.037
15475	0.036
15476	0.036
15477	0.036
15478	0.036
15479	0.035
15480	0.034
15481	0.033
15482	0.031
15483	0.032
15484	0.032
15485	0.033
15486	0.034
15487	0.034
15488	0.034
15489	0.035
15490	0.032
15491	0.031
15492	0.033
15493	0.034
15494	0.033
15495	0.033
15496	0.031
15497	0.031
15498	0.031
15499	0.032
15500	0.031
15501	0.032
15502	0.032
15503	0.032
15504	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

15505	0.031
15506	0.031
15507	0.032
15508	0.033
15509	0.034
15510	0.035
15511	0.032
15512	0.031
15513	0.034
15514	0.033
15515	0.032
15516	0.031
15517	0.031
15518	0.032
15519	0.032
15520	0.032
15521	0.032
15522	0.032
15523	0.032
15524	0.032
15525	0.033
15526	0.033
15527	0.032
15528	0.032
15529	0.032
15530	0.033
15531	0.033
15532	0.032
15533	0.031
15534	0.031
15535	0.032
15536	0.033
15537	0.035
15538	0.033
15539	0.032
15540	0.032
15541	0.03
15542	0.031
15543	0.031
15544	0.032
15545	0.034
15546	0.033
15547	0.032
15548	0.032
15549	0.033
15550	0.035
15551	0.035
15552	0.033

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

15553	0.032
15554	0.032
15555	0.033
15556	0.032
15557	0.031
15558	0.033
15559	0.034
15560	0.033
15561	0.032
15562	0.034
15563	0.031
15564	0.032
15565	0.031
15566	0.031
15567	0.031
15568	0.032
15569	0.032
15570	0.033
15571	0.032
15572	0.031
15573	0.033
15574	0.032
15575	0.031
15576	0.031
15577	0.033
15578	0.034
15579	0.033
15580	0.032
15581	0.033
15582	0.032
15583	0.033
15584	0.032
15585	0.03
15586	0.03
15587	0.031
15588	0.031
15589	0.034
15590	0.034
15591	0.033
15592	0.032
15593	0.033
15594	0.033
15595	0.03
15596	0.031
15597	0.031
15598	0.032
15599	0.033
15600	0.032

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

15601	0.031
15602	0.033
15603	0.034
15604	0.034
15605	0.031
15606	0.032
15607	0.031
15608	0.034
15609	0.033
15610	0.031
15611	0.032
15612	0.033
15613	0.033
15614	0.033
15615	0.033
15616	0.033
15617	0.031
15618	0.031
15619	0.031
15620	0.033
15621	0.033
15622	0.031
15623	0.031
15624	0.032
15625	0.033
15626	0.031
15627	0.03
15628	0.031
15629	0.032
15630	0.032
15631	0.033
15632	0.032
15633	0.032
15634	0.033
15635	0.034
15636	0.032
15637	0.033
15638	0.034
15639	0.032
15640	0.03
15641	0.031
15642	0.032
15643	0.031
15644	0.032
15645	0.033
15646	0.032
15647	0.032
15648	0.032

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

15649	0.031
15650	0.03
15651	0.03
15652	0.031
15653	0.033
15654	0.032
15655	0.032
15656	0.031
15657	0.03
15658	0.032
15659	0.032
15660	0.032
15661	0.032
15662	0.032
15663	0.032
15664	0.032
15665	0.033
15666	0.033
15667	0.033
15668	0.032
15669	0.032
15670	0.032
15671	0.033
15672	0.034
15673	0.032
15674	0.032
15675	0.032
15676	0.032
15677	0.032
15678	0.031
15679	0.032
15680	0.033
15681	0.033
15682	0.032
15683	0.031
15684	0.035
15685	0.034
15686	0.032
15687	0.033
15688	0.033
15689	0.033
15690	0.033
15691	0.033
15692	0.032
15693	0.032
15694	0.032
15695	0.03
15696	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

15697	0.033
15698	0.033
15699	0.033
15700	0.032
15701	0.032
15702	0.032
15703	0.033
15704	0.033
15705	0.032
15706	0.031
15707	0.03
15708	0.031
15709	0.033
15710	0.032
15711	0.031
15712	0.032
15713	0.032
15714	0.031
15715	0.033
15716	0.032
15717	0.031
15718	0.03
15719	0.031
15720	0.031
15721	0.033
15722	0.034
15723	0.033
15724	0.033
15725	0.031
15726	0.031
15727	0.031
15728	0.031
15729	0.03
15730	0.031
15731	0.033
15732	0.034
15733	0.033
15734	0.032
15735	0.032
15736	0.032
15737	0.032
15738	0.03
15739	0.03
15740	0.031
15741	0.032
15742	0.032
15743	0.033
15744	0.033

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

15745	0.031
15746	0.031
15747	0.031
15748	0.031
15749	0.03
15750	0.032
15751	0.034
15752	0.031
15753	0.031
15754	0.031
15755	0.034
15756	0.032
15757	0.03
15758	0.031
15759	0.032
15760	0.031
15761	0.032
15762	0.031
15763	0.033
15764	0.034
15765	0.034
15766	0.035
15767	0.034
15768	0.032
15769	0.031
15770	0.034
15771	0.033
15772	0.032
15773	0.031
15774	0.031
15775	0.03
15776	0.029
15777	0.032
15778	0.033
15779	0.031
15780	0.032
15781	0.032
15782	0.033
15783	0.034
15784	0.033
15785	0.032
15786	0.032
15787	0.032
15788	0.031
15789	0.032
15790	0.031
15791	0.032
15792	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

15793	0.032
15794	0.034
15795	0.034
15796	0.034
15797	0.033
15798	0.031
15799	0.032
15800	0.033
15801	0.032
15802	0.031
15803	0.03
15804	0.032
15805	0.034
15806	0.033
15807	0.033
15808	0.033
15809	0.034
15810	0.032
15811	0.031
15812	0.032
15813	0.032
15814	0.031
15815	0.032
15816	0.031
15817	0.031
15818	0.031
15819	0.03
15820	0.032
15821	0.033
15822	0.032
15823	0.033
15824	0.034
15825	0.033
15826	0.031
15827	0.031
15828	0.03
15829	0.034
15830	0.034
15831	0.031
15832	0.033
15833	0.032
15834	0.031
15835	0.032
15836	0.034
15837	0.031
15838	0.032
15839	0.033
15840	0.032

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

15841	0.032
15842	0.031
15843	0.032
15844	0.032
15845	0.031
15846	0.032
15847	0.034
15848	0.033
15849	0.032
15850	0.031
15851	0.031
15852	0.033
15853	0.031
15854	0.03
15855	0.03
15856	0.031
15857	0.03
15858	0.03
15859	0.031
15860	0.031
15861	0.031
15862	0.031
15863	0.032
15864	0.033
15865	0.032
15866	0.033
15867	0.032
15868	0.031
15869	0.031
15870	0.029
15871	0.031
15872	0.032
15873	0.033
15874	0.033
15875	0.032
15876	0.031
15877	0.031
15878	0.032
15879	0.033
15880	0.032
15881	0.033
15882	0.031
15883	0.031
15884	0.03
15885	0.03
15886	0.031
15887	0.031
15888	0.03

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

15889	0.03
15890	0.032
15891	0.03
15892	0.032
15893	0.032
15894	0.031
15895	0.031
15896	0.032
15897	0.032
15898	0.031
15899	0.03
15900	0.031
15901	0.033
15902	0.031
15903	0.031
15904	0.031
15905	0.03
15906	0.03
15907	0.031
15908	0.031
15909	0.032
15910	0.032
15911	0.03
15912	0.03
15913	0.031
15914	0.031
15915	0.031
15916	0.032
15917	0.033
15918	0.036
15919	0.036
15920	0.033
15921	0.032
15922	0.032
15923	0.031
15924	0.03
15925	0.032
15926	0.032
15927	0.033
15928	0.031
15929	0.03
15930	0.031
15931	0.032
15932	0.031
15933	0.03
15934	0.031
15935	0.031
15936	0.032

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

15937	0.033
15938	0.031
15939	0.031
15940	0.032
15941	0.031
15942	0.03
15943	0.031
15944	0.03
15945	0.03
15946	0.03
15947	0.03
15948	0.032
15949	0.032
15950	0.033
15951	0.032
15952	0.032
15953	0.032
15954	0.032
15955	0.033
15956	0.032
15957	0.031
15958	0.031
15959	0.031
15960	0.03
15961	0.029
15962	0.03
15963	0.031
15964	0.031
15965	0.03
15966	0.029
15967	0.031
15968	0.032
15969	0.032
15970	0.032
15971	0.032
15972	0.032
15973	0.033
15974	0.032
15975	0.032
15976	0.033
15977	0.033
15978	0.032
15979	0.032
15980	0.033
15981	0.033
15982	0.031
15983	0.032
15984	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

15985	0.031
15986	0.032
15987	0.032
15988	0.031
15989	0.03
15990	0.031
15991	0.031
15992	0.031
15993	0.031
15994	0.031
15995	0.031
15996	0.031
15997	0.031
15998	0.033
15999	0.032
16000	0.03
16001	0.033
16002	0.034
16003	0.032
16004	0.03
16005	0.032
16006	0.032
16007	0.03
16008	0.032
16009	0.032
16010	0.031
16011	0.033
16012	0.031
16013	0.031
16014	0.03
16015	0.032
16016	0.031
16017	0.032
16018	0.032
16019	0.032
16020	0.032
16021	0.033
16022	0.032
16023	0.031
16024	0.031
16025	0.031
16026	0.031
16027	0.031
16028	0.031
16029	0.03
16030	0.031
16031	0.031
16032	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

16033	0.034
16034	0.032
16035	0.031
16036	0.03
16037	0.032
16038	0.034
16039	0.033
16040	0.032
16041	0.032
16042	0.031
16043	0.031
16044	0.031
16045	0.031
16046	0.032
16047	0.031
16048	0.031
16049	0.031
16050	0.031
16051	0.032
16052	0.032
16053	0.031
16054	0.031
16055	0.032
16056	0.033
16057	0.032
16058	0.032
16059	0.03
16060	0.03
16061	0.031
16062	0.031
16063	0.031
16064	0.031
16065	0.03
16066	0.032
16067	0.032
16068	0.03
16069	0.033
16070	0.034
16071	0.033
16072	0.033
16073	0.032
16074	0.032
16075	0.032
16076	0.031
16077	0.031
16078	0.031
16079	0.032
16080	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

16081	0.033
16082	0.033
16083	0.033
16084	0.032
16085	0.033
16086	0.032
16087	0.031
16088	0.032
16089	0.033
16090	0.031
16091	0.031
16092	0.032
16093	0.031
16094	0.031
16095	0.033
16096	0.03
16097	0.031
16098	0.034
16099	0.033
16100	0.033
16101	0.032
16102	0.03
16103	0.032
16104	0.032
16105	0.032
16106	0.031
16107	0.031
16108	0.031
16109	0.032
16110	0.032
16111	0.031
16112	0.031
16113	0.032
16114	0.032
16115	0.031
16116	0.031
16117	0.032
16118	0.031
16119	0.031
16120	0.031
16121	0.031
16122	0.031
16123	0.029
16124	0.03
16125	0.033
16126	0.03
16127	0.033
16128	0.033

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

16129	0.032
16130	0.031
16131	0.03
16132	0.032
16133	0.033
16134	0.03
16135	0.031
16136	0.032
16137	0.03
16138	0.03
16139	0.032
16140	0.032
16141	0.032
16142	0.031
16143	0.032
16144	0.033
16145	0.032
16146	0.031
16147	0.03
16148	0.03
16149	0.031
16150	0.033
16151	0.035
16152	0.033
16153	0.031
16154	0.031
16155	0.031
16156	0.032
16157	0.031
16158	0.03
16159	0.031
16160	0.031
16161	0.03
16162	0.031
16163	0.03
16164	0.032
16165	0.032
16166	0.031
16167	0.03
16168	0.032
16169	0.031
16170	0.032
16171	0.031
16172	0.031
16173	0.031
16174	0.032
16175	0.033
16176	0.032

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

16177	0.031
16178	0.031
16179	0.031
16180	0.03
16181	0.031
16182	0.032
16183	0.033
16184	0.032
16185	0.031
16186	0.031
16187	0.031
16188	0.031
16189	0.031
16190	0.031
16191	0.03
16192	0.03
16193	0.03
16194	0.031
16195	0.032
16196	0.031
16197	0.031
16198	0.032
16199	0.031
16200	0.031
16201	0.031
16202	0.031
16203	0.033
16204	0.033
16205	0.032
16206	0.032
16207	0.03
16208	0.031
16209	0.032
16210	0.032
16211	0.032
16212	0.032
16213	0.031
16214	0.03
16215	0.031
16216	0.031
16217	0.031
16218	0.032
16219	0.033
16220	0.032
16221	0.031
16222	0.03
16223	0.031
16224	0.032

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

16225	0.031
16226	0.031
16227	0.031
16228	0.031
16229	0.03
16230	0.032
16231	0.031
16232	0.032
16233	0.033
16234	0.032
16235	0.032
16236	0.033
16237	0.032
16238	0.032
16239	0.033
16240	0.034
16241	0.032
16242	0.031
16243	0.032
16244	0.032
16245	0.033
16246	0.031
16247	0.03
16248	0.029
16249	0.032
16250	0.033
16251	0.033
16252	0.033
16253	0.032
16254	0.044
16255	0.047
16256	0.031
16257	0.031
16258	0.031
16259	0.031
16260	0.031
16261	0.031
16262	0.031
16263	0.032
16264	0.031
16265	0.03
16266	0.03
16267	0.032
16268	0.031
16269	0.03
16270	0.031
16271	0.033
16272	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

16273	0.031
16274	0.032
16275	0.032
16276	0.033
16277	0.034
16278	0.033
16279	0.033
16280	0.033
16281	0.034
16282	0.035
16283	0.031
16284	0.032
16285	0.032
16286	0.034
16287	0.032
16288	0.032
16289	0.031
16290	0.033
16291	0.033
16292	0.033
16293	0.033
16294	0.031
16295	0.031
16296	0.031
16297	0.032
16298	0.032
16299	0.032
16300	0.033
16301	0.032
16302	0.032
16303	0.034
16304	0.031
16305	0.031
16306	0.032
16307	0.03
16308	0.03
16309	0.031
16310	0.031
16311	0.03
16312	0.03
16313	0.031
16314	0.031
16315	0.032
16316	0.034
16317	0.033
16318	0.031
16319	0.031
16320	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

16321	0.031
16322	0.031
16323	0.029
16324	0.03
16325	0.03
16326	0.031
16327	0.032
16328	0.031
16329	0.032
16330	0.031
16331	0.031
16332	0.031
16333	0.033
16334	0.033
16335	0.032
16336	0.032
16337	0.032
16338	0.031
16339	0.031
16340	0.031
16341	0.032
16342	0.031
16343	0.029
16344	0.031
16345	0.032
16346	0.032
16347	0.031
16348	0.03
16349	0.031
16350	0.03
16351	0.031
16352	0.032
16353	0.032
16354	0.031
16355	0.032
16356	0.033
16357	0.033
16358	0.033
16359	0.033
16360	0.032
16361	0.032
16362	0.033
16363	0.034
16364	0.031
16365	0.032
16366	0.032
16367	0.029
16368	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

16369	0.032
16370	0.033
16371	0.031
16372	0.032
16373	0.032
16374	0.031
16375	0.032
16376	0.032
16377	0.03
16378	0.03
16379	0.031
16380	0.031
16381	0.032
16382	0.031
16383	0.031
16384	0.032
16385	0.032
16386	0.032
16387	0.031
16388	0.032
16389	0.032
16390	0.033
16391	0.033
16392	0.031
16393	0.032
16394	0.032
16395	0.032
16396	0.032
16397	0.032
16398	0.032
16399	0.031
16400	0.03
16401	0.032
16402	0.031
16403	0.031
16404	0.032
16405	0.032
16406	0.031
16407	0.031
16408	0.032
16409	0.031
16410	0.031
16411	0.032
16412	0.032
16413	0.032
16414	0.03
16415	0.032
16416	0.033

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

16417	0.033
16418	0.032
16419	0.033
16420	0.035
16421	0.032
16422	0.03
16423	0.032
16424	0.032
16425	0.032
16426	0.031
16427	0.031
16428	0.033
16429	0.031
16430	0.031
16431	0.032
16432	0.033
16433	0.033
16434	0.032
16435	0.032
16436	0.032
16437	0.031
16438	0.032
16439	0.032
16440	0.033
16441	0.033
16442	0.033
16443	0.033
16444	0.032
16445	0.031
16446	0.032
16447	0.032
16448	0.031
16449	0.031
16450	0.03
16451	0.031
16452	0.031
16453	0.032
16454	0.03
16455	0.031
16456	0.031
16457	0.03
16458	0.03
16459	0.031
16460	0.032
16461	0.033
16462	0.033
16463	0.033
16464	0.033

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

16465	0.032
16466	0.031
16467	0.032
16468	0.032
16469	0.03
16470	0.03
16471	0.031
16472	0.03
16473	0.032
16474	0.032
16475	0.031
16476	0.033
16477	0.032
16478	0.032
16479	0.031
16480	0.033
16481	0.03
16482	0.031
16483	0.03
16484	0.031
16485	0.032
16486	0.031
16487	0.03
16488	0.031
16489	0.031
16490	0.031
16491	0.031
16492	0.032
16493	0.033
16494	0.032
16495	0.031
16496	0.031
16497	0.031
16498	0.031
16499	0.032
16500	0.033
16501	0.031
16502	0.033
16503	0.031
16504	0.031
16505	0.033
16506	0.033
16507	0.034
16508	0.033
16509	0.031
16510	0.031
16511	0.03
16512	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

16513	0.032
16514	0.033
16515	0.033
16516	0.034
16517	0.032
16518	0.032
16519	0.032
16520	0.032
16521	0.032
16522	0.031
16523	0.031
16524	0.033
16525	0.032
16526	0.033
16527	0.031
16528	0.03
16529	0.031
16530	0.032
16531	0.032
16532	0.031
16533	0.03
16534	0.031
16535	0.032
16536	0.032
16537	0.031
16538	0.032
16539	0.034
16540	0.032
16541	0.032
16542	0.03
16543	0.031
16544	0.032
16545	0.031
16546	0.03
16547	0.03
16548	0.031
16549	0.032
16550	0.031
16551	0.032
16552	0.033
16553	0.031
16554	0.032
16555	0.031
16556	0.032
16557	0.034
16558	0.033
16559	0.032
16560	0.03

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

16561	0.031
16562	0.032
16563	0.031
16564	0.03
16565	0.031
16566	0.031
16567	0.031
16568	0.031
16569	0.032
16570	0.032
16571	0.032
16572	0.031
16573	0.031
16574	0.03
16575	0.031
16576	0.031
16577	0.03
16578	0.031
16579	0.031
16580	0.03
16581	0.032
16582	0.033
16583	0.032
16584	0.034
16585	0.033
16586	0.029
16587	0.031
16588	0.031
16589	0.032
16590	0.032
16591	0.031
16592	0.033
16593	0.032
16594	0.031
16595	0.03
16596	0.03
16597	0.031
16598	0.032
16599	0.031
16600	0.032
16601	0.033
16602	0.032
16603	0.032
16604	0.033
16605	0.033
16606	0.031
16607	0.032
16608	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

16609	0.031
16610	0.031
16611	0.031
16612	0.032
16613	0.034
16614	0.031
16615	0.031
16616	0.031
16617	0.032
16618	0.031
16619	0.032
16620	0.031
16621	0.031
16622	0.032
16623	0.033
16624	0.031
16625	0.031
16626	0.032
16627	0.031
16628	0.031
16629	0.031
16630	0.031
16631	0.031
16632	0.032
16633	0.031
16634	0.03
16635	0.032
16636	0.031
16637	0.031
16638	0.031
16639	0.031
16640	0.031
16641	0.032
16642	0.033
16643	0.031
16644	0.031
16645	0.031
16646	0.032
16647	0.032
16648	0.032
16649	0.032
16650	0.034
16651	0.034
16652	0.034
16653	0.033
16654	0.033
16655	0.033
16656	0.033

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

16657	0.031
16658	0.032
16659	0.031
16660	0.031
16661	0.034
16662	0.035
16663	0.032
16664	0.032
16665	0.034
16666	0.033
16667	0.032
16668	0.032
16669	0.033
16670	0.033
16671	0.032
16672	0.031
16673	0.031
16674	0.032
16675	0.031
16676	0.03
16677	0.031
16678	0.031
16679	0.031
16680	0.032
16681	0.032
16682	0.032
16683	0.033
16684	0.034
16685	0.034
16686	0.031
16687	0.031
16688	0.032
16689	0.029
16690	0.03
16691	0.03
16692	0.031
16693	0.032
16694	0.033
16695	0.031
16696	0.03
16697	0.032
16698	0.032
16699	0.032
16700	0.032
16701	0.032
16702	0.03
16703	0.031
16704	0.032

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

16705	0.033
16706	0.032
16707	0.032
16708	0.032
16709	0.032
16710	0.031
16711	0.031
16712	0.031
16713	0.03
16714	0.03
16715	0.031
16716	0.032
16717	0.032
16718	0.031
16719	0.032
16720	0.032
16721	0.033
16722	0.032
16723	0.031
16724	0.032
16725	0.034
16726	0.033
16727	0.031
16728	0.032
16729	0.033
16730	0.032
16731	0.031
16732	0.032
16733	0.032
16734	0.031
16735	0.031
16736	0.032
16737	0.032
16738	0.032
16739	0.031
16740	0.032
16741	0.031
16742	0.032
16743	0.031
16744	0.031
16745	0.033
16746	0.032
16747	0.03
16748	0.03
16749	0.032
16750	0.033
16751	0.03
16752	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

16753	0.033
16754	0.032
16755	0.031
16756	0.032
16757	0.032
16758	0.033
16759	0.032
16760	0.032
16761	0.031
16762	0.033
16763	0.032
16764	0.031
16765	0.031
16766	0.032
16767	0.033
16768	0.033
16769	0.033
16770	0.031
16771	0.034
16772	0.034
16773	0.033
16774	0.032
16775	0.031
16776	0.031
16777	0.031
16778	0.033
16779	0.031
16780	0.031
16781	0.032
16782	0.034
16783	0.031
16784	0.032
16785	0.031
16786	0.032
16787	0.031
16788	0.032
16789	0.032
16790	0.03
16791	0.03
16792	0.032
16793	0.031
16794	0.03
16795	0.029
16796	0.03
16797	0.032
16798	0.031
16799	0.031
16800	0.033

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

16801	0.033
16802	0.032
16803	0.031
16804	0.031
16805	0.031
16806	0.029
16807	0.031
16808	0.031
16809	0.029
16810	0.03
16811	0.032
16812	0.034
16813	0.034
16814	0.033
16815	0.031
16816	0.031
16817	0.03
16818	0.031
16819	0.031
16820	0.033
16821	0.033
16822	0.032
16823	0.031
16824	0.031
16825	0.031
16826	0.031
16827	0.031
16828	0.031
16829	0.032
16830	0.031
16831	0.032
16832	0.031
16833	0.033
16834	0.031
16835	0.032
16836	0.032
16837	0.03
16838	0.03
16839	0.031
16840	0.03
16841	0.031
16842	0.031
16843	0.03
16844	0.029
16845	0.031
16846	0.031
16847	0.031
16848	0.032

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

16849	0.033
16850	0.031
16851	0.031
16852	0.034
16853	0.034
16854	0.032
16855	0.032
16856	0.031
16857	0.032
16858	0.032
16859	0.032
16860	0.031
16861	0.033
16862	0.031
16863	0.031
16864	0.032
16865	0.03
16866	0.031
16867	0.031
16868	0.031
16869	0.031
16870	0.031
16871	0.032
16872	0.032
16873	0.031
16874	0.031
16875	0.03
16876	0.031
16877	0.032
16878	0.032
16879	0.031
16880	0.032
16881	0.031
16882	0.031
16883	0.032
16884	0.034
16885	0.037
16886	0.04
16887	0.038
16888	0.037
16889	0.038
16890	0.039
16891	0.04
16892	0.041
16893	0.039
16894	0.038
16895	0.038
16896	0.038

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

16897	0.039
16898	0.042
16899	0.042
16900	0.04
16901	0.038
16902	0.038
16903	0.041
16904	0.041
16905	0.04
16906	0.039
16907	0.039
16908	0.041
16909	0.041
16910	0.041
16911	0.041
16912	0.04
16913	0.039
16914	0.038
16915	0.039
16916	0.038
16917	0.04
16918	0.041
16919	0.041
16920	0.042
16921	0.04
16922	0.039
16923	0.038
16924	0.04
16925	0.04
16926	0.04
16927	0.042
16928	0.042
16929	0.041
16930	0.041
16931	0.041
16932	0.042
16933	0.043
16934	0.041
16935	0.039
16936	0.04
16937	0.039
16938	0.04
16939	0.042
16940	0.041
16941	0.04
16942	0.041
16943	0.04
16944	0.041

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

16945	0.04
16946	0.04
16947	0.043
16948	0.041
16949	0.038
16950	0.038
16951	0.04
16952	0.041
16953	0.042
16954	0.038
16955	0.041
16956	0.041
16957	0.039
16958	0.039
16959	0.038
16960	0.038
16961	0.039
16962	0.038
16963	0.039
16964	0.039
16965	0.039
16966	0.041
16967	0.04
16968	0.038
16969	1.4
16970	1.76
16971	0.051
16972	0.038
16973	0.036
16974	0.035
16975	0.036
16976	0.036
16977	0.038
16978	0.034
16979	0.035
16980	0.035
16981	0.036
16982	0.035
16983	0.032
16984	0.032
16985	0.032
16986	0.034
16987	0.032
16988	0.032
16989	0.034
16990	0.034
16991	0.032
16992	0.033

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

16993	0.034
16994	0.033
16995	0.034
16996	0.033
16997	0.032
16998	0.034
16999	0.032
17000	0.032
17001	0.031
17002	0.033
17003	0.033
17004	0.032
17005	0.032
17006	0.031
17007	0.032
17008	0.032
17009	0.032
17010	0.03
17011	0.031
17012	0.032
17013	0.033
17014	0.033
17015	0.032
17016	0.031
17017	0.033
17018	0.034
17019	0.036
17020	0.033
17021	0.035
17022	0.034
17023	0.033
17024	0.032
17025	0.031
17026	0.032
17027	0.033
17028	0.032
17029	0.031
17030	0.031
17031	0.033
17032	0.032
17033	0.032
17034	0.031
17035	0.031
17036	0.031
17037	0.032
17038	0.032
17039	0.031
17040	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

17041	0.032
17042	0.032
17043	0.031
17044	0.032
17045	0.031
17046	0.032
17047	0.032
17048	0.032
17049	0.03
17050	0.031
17051	0.03
17052	0.03
17053	0.031
17054	0.032
17055	0.032
17056	0.032
17057	0.033
17058	0.032
17059	0.032
17060	0.032
17061	0.032
17062	0.033
17063	0.033
17064	0.031
17065	0.032
17066	0.032
17067	0.032
17068	0.033
17069	0.032
17070	0.031
17071	0.033
17072	0.034
17073	0.032
17074	0.029
17075	0.03
17076	0.03
17077	0.03
17078	0.032
17079	0.032
17080	0.034
17081	0.034
17082	0.03
17083	0.03
17084	0.03
17085	0.03
17086	0.03
17087	0.031
17088	0.03

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

17089	0.03
17090	0.031
17091	0.031
17092	0.032
17093	0.032
17094	0.031
17095	0.029
17096	0.03
17097	0.03
17098	0.032
17099	0.031
17100	0.029
17101	0.03
17102	0.03
17103	0.03
17104	0.032
17105	0.03
17106	0.03
17107	0.032
17108	0.033
17109	0.03
17110	0.031
17111	0.031
17112	0.03
17113	0.03
17114	0.032
17115	0.032
17116	0.031
17117	0.03
17118	0.03
17119	0.03
17120	0.029
17121	0.03
17122	0.031
17123	0.031
17124	0.032
17125	0.032
17126	0.032
17127	0.032
17128	0.032
17129	0.031
17130	0.032
17131	0.033
17132	0.034
17133	0.031
17134	0.033
17135	0.033
17136	0.032

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

17137	0.03
17138	0.03
17139	0.029
17140	0.031
17141	0.032
17142	0.032
17143	0.031
17144	0.031
17145	0.032
17146	0.031
17147	0.028
17148	0.03
17149	0.031
17150	0.031
17151	0.031
17152	0.031
17153	0.032
17154	0.033
17155	0.036
17156	0.04
17157	0.041
17158	0.037
17159	0.038
17160	0.039
17161	0.04
17162	0.039
17163	0.04
17164	0.04
17165	0.038
17166	0.039
17167	0.038
17168	0.038
17169	0.041
17170	0.04
17171	0.038
17172	0.041
17173	0.04
17174	0.041
17175	0.043
17176	0.042
17177	0.042
17178	0.043
17179	0.039
17180	0.039
17181	0.038
17182	0.038
17183	0.039
17184	0.038

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

17185	0.04
17186	0.042
17187	0.042
17188	0.04
17189	0.039
17190	0.042
17191	0.041
17192	0.038
17193	0.04
17194	0.041
17195	0.041
17196	0.042
17197	0.041
17198	0.041
17199	0.041
17200	0.041
17201	0.04
17202	0.04
17203	0.04
17204	0.04
17205	0.041
17206	0.042
17207	0.042
17208	0.04
17209	0.041
17210	0.04
17211	0.04
17212	0.041
17213	0.042
17214	0.041
17215	0.041
17216	0.043
17217	0.041
17218	0.041
17219	0.041
17220	0.041
17221	0.041
17222	0.042
17223	0.041
17224	0.038
17225	0.038
17226	0.038
17227	0.064
17228	0.082
17229	0.036
17230	0.033
17231	0.033
17232	0.033

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

17233	0.033
17234	0.034
17235	0.034
17236	0.034
17237	0.034
17238	0.032
17239	0.034
17240	0.032
17241	0.032
17242	0.033
17243	0.031
17244	0.03
17245	0.031
17246	0.031
17247	0.032
17248	0.033
17249	0.032
17250	0.032
17251	0.032
17252	0.031
17253	0.031
17254	0.031
17255	0.032
17256	0.034
17257	0.033
17258	0.034
17259	0.032
17260	0.031
17261	0.032
17262	0.032
17263	0.033
17264	0.033
17265	0.031
17266	0.031
17267	0.032
17268	0.032
17269	0.032
17270	0.033
17271	0.033
17272	0.031
17273	0.032
17274	0.031
17275	0.031
17276	0.031
17277	0.03
17278	0.032
17279	0.033
17280	0.034

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

17281	0.034
17282	0.033
17283	0.033
17284	0.039
17285	0.037
17286	0.03
17287	0.031
17288	0.032
17289	0.031
17290	0.032
17291	0.031
17292	0.032
17293	0.032
17294	0.031
17295	0.032
17296	0.033
17297	0.032
17298	0.031
17299	0.032
17300	0.032
17301	0.032
17302	0.033
17303	0.032
17304	0.031
17305	0.031
17306	0.032
17307	0.033
17308	0.032
17309	0.031
17310	0.032
17311	0.032
17312	0.032
17313	0.032
17314	0.032
17315	0.032
17316	0.032
17317	0.031
17318	0.031
17319	0.031
17320	0.032
17321	0.031
17322	0.031
17323	0.032
17324	0.032
17325	0.031
17326	0.031
17327	0.032
17328	0.032

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

17329	0.031
17330	0.031
17331	0.031
17332	0.032
17333	0.031
17334	0.033
17335	0.031
17336	0.03
17337	0.03
17338	0.031
17339	0.032
17340	0.034
17341	0.032
17342	0.031
17343	0.031
17344	0.03
17345	0.031
17346	0.032
17347	0.031
17348	0.033
17349	0.033
17350	0.032
17351	0.032
17352	0.032
17353	0.032
17354	0.03
17355	0.03
17356	0.032
17357	0.032
17358	0.029
17359	0.029
17360	0.031
17361	0.032
17362	0.032
17363	0.032
17364	0.032
17365	0.031
17366	0.033
17367	0.034
17368	0.034
17369	0.034
17370	0.031
17371	0.03
17372	0.03
17373	0.031
17374	0.032
17375	0.034
17376	0.032

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

17377	0.031
17378	0.032
17379	0.032
17380	0.031
17381	0.031
17382	0.032
17383	0.032
17384	0.031
17385	0.03
17386	0.031
17387	0.03
17388	0.03
17389	0.031
17390	0.032
17391	0.032
17392	0.033
17393	0.034
17394	0.032
17395	0.032
17396	0.034
17397	0.032
17398	0.03
17399	0.032
17400	0.031
17401	0.03
17402	0.032
17403	0.03
17404	0.029
17405	0.03
17406	0.032
17407	0.033
17408	0.032
17409	0.031
17410	0.03
17411	0.03
17412	0.03
17413	0.031
17414	0.032
17415	0.03
17416	0.03
17417	0.03
17418	0.032
17419	0.031
17420	0.031
17421	0.031
17422	0.031
17423	0.031
17424	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

17425	0.032
17426	0.031
17427	0.03
17428	0.031
17429	0.03
17430	0.03
17431	0.031
17432	0.031
17433	0.03
17434	0.03
17435	0.031
17436	0.031
17437	0.031
17438	0.032
17439	0.033
17440	0.033
17441	0.031
17442	0.031
17443	0.031
17444	0.033
17445	0.034
17446	0.031
17447	0.032
17448	0.031
17449	0.03
17450	0.031
17451	0.032
17452	0.03
17453	0.03
17454	0.031
17455	0.033
17456	0.032
17457	0.03
17458	0.031
17459	0.03
17460	0.031
17461	0.031
17462	0.031
17463	0.031
17464	0.03
17465	0.032
17466	0.032
17467	0.03
17468	0.031
17469	0.031
17470	0.031
17471	0.032
17472	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

17473	0.032
17474	0.032
17475	0.032
17476	0.032
17477	0.031
17478	0.032
17479	0.031
17480	0.032
17481	0.03
17482	0.03
17483	0.032
17484	0.032
17485	0.033
17486	0.033
17487	0.032
17488	0.031
17489	0.031
17490	0.033
17491	0.033
17492	0.032
17493	0.032
17494	0.031
17495	0.03
17496	0.031
17497	0.032
17498	0.032
17499	0.032
17500	0.033
17501	0.033
17502	0.032
17503	0.032
17504	0.031
17505	0.032
17506	0.033
17507	0.031
17508	0.03
17509	0.031
17510	0.031
17511	0.03
17512	0.031
17513	0.031
17514	0.03
17515	0.032
17516	0.033
17517	0.031
17518	0.032
17519	0.032
17520	0.033

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

17521	0.033
17522	0.033
17523	0.031
17524	0.031
17525	0.033
17526	0.032
17527	0.032
17528	0.035
17529	0.032
17530	0.032
17531	0.032
17532	0.031
17533	0.031
17534	0.03
17535	0.03
17536	0.03
17537	0.03
17538	0.029
17539	0.03
17540	0.031
17541	0.033
17542	0.032
17543	0.032
17544	0.033
17545	0.031
17546	0.03
17547	0.029
17548	0.032
17549	0.033
17550	0.03
17551	0.03
17552	0.031
17553	0.031
17554	0.03
17555	0.029
17556	0.03
17557	0.033
17558	0.032
17559	0.03
17560	0.03
17561	0.032
17562	0.033
17563	0.031
17564	0.031
17565	0.031
17566	0.03
17567	0.031
17568	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

17569	0.031
17570	0.031
17571	0.032
17572	0.033
17573	0.031
17574	0.03
17575	0.03
17576	0.03
17577	0.03
17578	0.03
17579	0.03
17580	0.031
17581	0.03
17582	0.03
17583	0.031
17584	0.031
17585	0.031
17586	0.031
17587	0.031
17588	0.03
17589	0.029
17590	0.03
17591	0.031
17592	0.031
17593	0.031
17594	0.03
17595	0.03
17596	0.031
17597	0.03
17598	0.03
17599	0.032
17600	0.031
17601	0.03
17602	0.031
17603	0.032
17604	0.031
17605	0.031
17606	0.032
17607	0.03
17608	0.029
17609	0.03
17610	0.031
17611	0.03
17612	0.032
17613	0.039
17614	0.041
17615	0.032
17616	0.032

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

17617	0.031
17618	0.032
17619	0.032
17620	0.03
17621	0.03
17622	0.03
17623	0.03
17624	0.029
17625	0.029
17626	0.031
17627	0.031
17628	0.031
17629	0.03
17630	0.03
17631	0.031
17632	0.031
17633	0.032
17634	0.031
17635	0.031
17636	0.032
17637	0.033
17638	0.03
17639	0.03
17640	0.03
17641	0.03
17642	0.03
17643	0.031
17644	0.031
17645	0.031
17646	0.031
17647	0.032
17648	0.031
17649	0.03
17650	0.029
17651	0.03
17652	0.032
17653	0.031
17654	0.031
17655	0.032
17656	0.031
17657	0.029
17658	0.03
17659	0.03
17660	0.029
17661	0.03
17662	0.031
17663	0.031
17664	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

17665	0.029
17666	0.031
17667	0.031
17668	0.028
17669	0.031
17670	0.032
17671	0.031
17672	0.03
17673	0.03
17674	0.03
17675	0.031
17676	0.032
17677	0.03
17678	0.029
17679	0.03
17680	0.031
17681	0.03
17682	0.03
17683	0.031
17684	0.032
17685	0.03
17686	0.029
17687	0.03
17688	0.031
17689	0.031
17690	0.031
17691	0.031
17692	0.03
17693	0.03
17694	0.031
17695	0.032
17696	0.031
17697	0.03
17698	0.029
17699	0.03
17700	0.03
17701	0.031
17702	0.031
17703	0.031
17704	0.031
17705	0.03
17706	0.029
17707	0.029
17708	0.032
17709	0.033
17710	0.03
17711	0.029
17712	0.035

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

17713	0.036
17714	0.03
17715	0.029
17716	0.029
17717	0.029
17718	0.029
17719	0.029
17720	0.03
17721	0.031
17722	0.031
17723	0.032
17724	0.031
17725	0.031
17726	0.031
17727	0.029
17728	0.029
17729	0.03
17730	0.03
17731	0.03
17732	0.031
17733	0.031
17734	0.028
17735	0.028
17736	0.029
17737	0.029
17738	0.03
17739	0.03
17740	0.029
17741	0.028
17742	0.029
17743	0.029
17744	0.03
17745	0.031
17746	0.029
17747	0.028
17748	0.029
17749	0.031
17750	0.029
17751	0.029
17752	0.03
17753	0.03
17754	0.031
17755	0.029
17756	0.031
17757	0.032
17758	0.029
17759	0.029
17760	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

17761	0.03
17762	0.03
17763	0.031
17764	0.031
17765	0.03
17766	0.029
17767	0.03
17768	0.03
17769	0.029
17770	0.03
17771	0.029
17772	0.03
17773	0.03
17774	0.031
17775	0.03
17776	0.03
17777	0.031
17778	0.03
17779	0.029
17780	0.029
17781	0.03
17782	0.029
17783	0.03
17784	0.03
17785	0.029
17786	0.029
17787	0.028
17788	0.028
17789	0.029
17790	0.029
17791	0.029
17792	0.029
17793	0.029
17794	0.029
17795	0.03
17796	0.03
17797	0.029
17798	0.03
17799	0.03
17800	0.03
17801	0.029
17802	0.029
17803	0.029
17804	0.03
17805	0.031
17806	0.03
17807	0.029
17808	0.03

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

17809	0.038
17810	0.041
17811	0.03
17812	0.031
17813	0.032
17814	0.031
17815	0.032
17816	0.031
17817	0.03
17818	0.03
17819	0.03
17820	0.029
17821	0.028
17822	0.029
17823	0.029
17824	0.029
17825	0.03
17826	0.031
17827	0.031
17828	0.031
17829	0.029
17830	0.028
17831	0.031
17832	0.031
17833	0.03
17834	0.032
17835	0.032
17836	0.034
17837	0.033
17838	0.03
17839	0.03
17840	0.03
17841	0.03
17842	0.03
17843	0.03
17844	0.03
17845	0.029
17846	0.03
17847	0.029
17848	0.029
17849	0.029
17850	0.03
17851	0.029
17852	0.028
17853	0.029
17854	0.03
17855	0.03
17856	0.029

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

17857	0.03
17858	0.029
17859	0.029
17860	0.029
17861	0.031
17862	0.03
17863	0.028
17864	0.03
17865	0.031
17866	0.03
17867	0.03
17868	0.028
17869	0.029
17870	0.031
17871	0.03
17872	0.029
17873	0.03
17874	0.029
17875	0.028
17876	0.029
17877	0.031
17878	0.03
17879	0.029
17880	0.029
17881	0.03
17882	0.029
17883	0.028
17884	0.029
17885	0.031
17886	0.03
17887	0.03
17888	0.031
17889	0.031
17890	0.03
17891	0.029
17892	0.03
17893	0.029
17894	0.029
17895	0.029
17896	0.029
17897	0.031
17898	0.03
17899	0.029
17900	0.03
17901	0.031
17902	0.03
17903	0.029
17904	0.028

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

17905	0.029
17906	0.029
17907	0.029
17908	0.029
17909	0.029
17910	0.029
17911	0.029
17912	0.03
17913	0.029
17914	0.029
17915	0.028
17916	0.029
17917	0.029
17918	0.029
17919	0.029
17920	0.028
17921	0.028
17922	0.028
17923	0.029
17924	0.028
17925	0.028
17926	0.028
17927	0.029
17928	0.028
17929	0.028
17930	0.028
17931	0.029
17932	0.031
17933	0.031
17934	0.03
17935	0.03
17936	0.03
17937	0.03
17938	0.03
17939	0.03
17940	0.031
17941	0.031
17942	0.029
17943	0.028
17944	0.029
17945	0.029
17946	0.028
17947	0.028
17948	0.029
17949	0.029
17950	0.029
17951	0.029
17952	0.03

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

17953	0.03
17954	0.029
17955	0.028
17956	0.029
17957	0.028
17958	0.028
17959	0.029
17960	0.029
17961	0.029
17962	0.028
17963	0.029
17964	0.029
17965	0.03
17966	0.028
17967	0.027
17968	0.029
17969	0.029
17970	0.029
17971	0.028
17972	0.028
17973	0.029
17974	0.03
17975	0.031
17976	0.032
17977	0.03
17978	0.028
17979	0.03
17980	0.03
17981	0.031
17982	0.031
17983	0.03
17984	0.031
17985	0.032
17986	0.031
17987	0.029
17988	0.03
17989	0.029
17990	0.028
17991	0.028
17992	0.029
17993	0.029
17994	0.031
17995	0.031
17996	0.029
17997	0.029
17998	0.029
17999	0.027
18000	0.028

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

18001	0.027
18002	0.027
18003	0.027
18004	0.028
18005	0.029
18006	0.03
18007	0.03
18008	0.03
18009	0.03
18010	0.031
18011	0.031
18012	0.028
18013	0.029
18014	0.029
18015	0.029
18016	0.029
18017	0.028
18018	0.028
18019	0.029
18020	0.028
18021	0.028
18022	0.03
18023	0.03
18024	0.029
18025	0.028
18026	0.027
18027	0.027
18028	0.029
18029	0.029
18030	0.027
18031	0.027
18032	0.028
18033	0.028
18034	0.028
18035	0.03
18036	0.028
18037	0.028
18038	0.028
18039	0.029
18040	0.029
18041	0.029
18042	0.03
18043	0.03
18044	0.031
18045	0.03
18046	0.03
18047	0.029
18048	0.028

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

18049	0.029
18050	0.03
18051	0.029
18052	0.03
18053	0.03
18054	0.029
18055	0.028
18056	0.029
18057	0.029
18058	0.028
18059	0.028
18060	0.029
18061	0.028
18062	0.03
18063	0.031
18064	0.029
18065	0.028
18066	0.028
18067	0.029
18068	0.029
18069	0.03
18070	0.03
18071	0.03
18072	0.03
18073	0.03
18074	0.028
18075	0.028
18076	0.031
18077	0.033
18078	0.031
18079	0.028
18080	0.028
18081	0.03
18082	0.03
18083	0.028
18084	0.029
18085	0.028
18086	0.028
18087	0.028
18088	0.028
18089	0.029
18090	0.03
18091	0.029
18092	0.029
18093	0.028
18094	0.027
18095	0.028
18096	0.03

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

18097	0.031
18098	0.03
18099	0.029
18100	0.029
18101	0.028
18102	0.029
18103	0.029
18104	0.028
18105	0.028
18106	0.029
18107	0.029
18108	0.028
18109	0.028
18110	0.027
18111	0.029
18112	0.03
18113	0.028
18114	0.028
18115	0.029
18116	0.029
18117	0.029
18118	0.028
18119	0.031
18120	0.03
18121	0.031
18122	0.031
18123	0.029
18124	0.028
18125	0.03
18126	0.029
18127	0.028
18128	0.029
18129	0.029
18130	0.028
18131	0.027
18132	0.027
18133	0.027
18134	0.028
18135	0.029
18136	0.027
18137	0.028
18138	0.029
18139	0.029
18140	0.028
18141	0.028
18142	0.03
18143	0.029
18144	0.028

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

18145	0.029
18146	0.028
18147	0.027
18148	0.028
18149	0.028
18150	0.029
18151	0.03
18152	0.029
18153	0.028
18154	0.029
18155	0.029
18156	0.03
18157	0.028
18158	0.029
18159	0.03
18160	0.027
18161	0.026
18162	0.027
18163	0.027
18164	0.029
18165	0.028
18166	0.029
18167	0.031
18168	0.03
18169	0.029
18170	0.029
18171	0.03
18172	0.029
18173	0.028
18174	0.027
18175	0.029
18176	0.028
18177	0.029
18178	0.028
18179	0.029
18180	0.029
18181	0.028
18182	0.028
18183	0.029
18184	0.031
18185	0.031
18186	0.03
18187	0.028
18188	0.027
18189	0.029
18190	0.029
18191	0.03
18192	0.029

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

18193	0.028
18194	0.029
18195	0.03
18196	0.029
18197	0.028
18198	0.028
18199	0.029
18200	0.028
18201	0.029
18202	0.03
18203	0.029
18204	0.028
18205	0.027
18206	0.026
18207	0.028
18208	0.028
18209	0.027
18210	0.028
18211	0.03
18212	0.03
18213	0.028
18214	0.028
18215	0.028
18216	0.028
18217	0.027
18218	0.027
18219	0.028
18220	0.028
18221	0.028
18222	0.028
18223	0.029
18224	0.03
18225	0.029
18226	0.027
18227	0.027
18228	0.027
18229	0.029
18230	0.029
18231	0.029
18232	0.028
18233	0.027
18234	0.029
18235	0.03
18236	0.028
18237	0.028
18238	0.028
18239	0.029
18240	0.028

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

18241	0.029
18242	0.029
18243	0.029
18244	0.028
18245	0.029
18246	0.028
18247	0.028
18248	0.028
18249	0.028
18250	0.027
18251	0.028
18252	0.028
18253	0.029
18254	0.029
18255	0.029
18256	0.028
18257	0.028
18258	0.028
18259	0.029
18260	0.029
18261	0.029
18262	0.03
18263	0.029
18264	0.028
18265	0.029
18266	0.029
18267	0.028
18268	0.028
18269	0.028
18270	0.028
18271	0.027
18272	0.028
18273	0.028
18274	0.026
18275	0.027
18276	0.03
18277	0.03
18278	0.028
18279	0.028
18280	0.028
18281	0.027
18282	0.029
18283	0.028
18284	0.028
18285	0.028
18286	0.028
18287	0.029
18288	0.028

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

18289	0.03
18290	0.03
18291	0.028
18292	0.028
18293	0.029
18294	0.029
18295	0.03
18296	0.03
18297	0.03
18298	0.028
18299	0.029
18300	0.028
18301	0.028
18302	0.028
18303	0.028
18304	0.03
18305	0.028
18306	0.028
18307	0.028
18308	0.029
18309	0.029
18310	0.028
18311	0.029
18312	0.03
18313	0.028
18314	0.028
18315	0.028
18316	0.027
18317	0.028
18318	0.028
18319	0.027
18320	0.029
18321	0.028
18322	0.029
18323	0.029
18324	0.028
18325	0.028
18326	0.029
18327	0.028
18328	0.028
18329	0.027
18330	0.029
18331	0.029
18332	0.027
18333	0.028
18334	0.028
18335	0.028
18336	0.027

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

18337	0.026
18338	0.027
18339	0.029
18340	0.028
18341	0.028
18342	0.029
18343	0.029
18344	0.028
18345	0.028
18346	0.028
18347	0.028
18348	0.029
18349	0.031
18350	0.029
18351	0.027
18352	0.029
18353	0.03
18354	0.028
18355	0.027
18356	0.026
18357	0.027
18358	0.028
18359	0.028
18360	0.027
18361	0.028
18362	0.027
18363	0.028
18364	0.03
18365	0.028
18366	0.028
18367	0.028
18368	0.028
18369	0.027
18370	0.027
18371	0.027
18372	0.027
18373	0.028
18374	0.028
18375	0.027
18376	0.028
18377	0.029
18378	0.029
18379	0.027
18380	0.027
18381	0.026
18382	0.027
18383	0.027
18384	0.028

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

18385	0.028
18386	0.029
18387	0.027
18388	0.027
18389	0.028
18390	0.027
18391	0.027
18392	0.029
18393	0.028
18394	0.029
18395	0.028
18396	0.027
18397	0.028
18398	0.027
18399	0.028
18400	0.028
18401	0.028
18402	0.028
18403	0.027
18404	0.028
18405	0.028
18406	0.026
18407	0.026
18408	0.027
18409	0.027
18410	0.027
18411	0.027
18412	0.028
18413	0.029
18414	0.029
18415	0.027
18416	0.029
18417	0.028
18418	0.027
18419	0.027
18420	0.026
18421	0.028
18422	0.029
18423	0.027
18424	0.028
18425	0.029
18426	0.028
18427	0.028
18428	0.027
18429	0.028
18430	0.029
18431	0.029
18432	0.029

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

18433	0.027
18434	0.026
18435	0.026
18436	0.027
18437	0.028
18438	0.028
18439	0.027
18440	0.028
18441	0.028
18442	0.026
18443	0.028
18444	0.028
18445	0.029
18446	0.028
18447	0.028
18448	0.028
18449	0.027
18450	0.027
18451	0.028
18452	0.027
18453	0.028
18454	0.028
18455	0.027
18456	0.028
18457	0.029
18458	0.028
18459	0.028
18460	0.027
18461	0.027
18462	0.028
18463	0.028
18464	0.028
18465	0.028
18466	0.028
18467	0.028
18468	0.027
18469	0.029
18470	0.029
18471	0.028
18472	0.026
18473	0.028
18474	0.03
18475	0.03
18476	0.027
18477	0.027
18478	0.028
18479	0.028
18480	0.028

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

18481	0.027
18482	0.028
18483	0.029
18484	0.028
18485	0.027
18486	0.027
18487	0.027
18488	0.027
18489	0.027
18490	0.028
18491	0.028
18492	0.028
18493	0.028
18494	0.028
18495	0.027
18496	0.028
18497	0.028
18498	0.027
18499	0.027
18500	0.028
18501	0.028
18502	0.028
18503	0.029
18504	0.028
18505	0.029
18506	0.029
18507	0.027
18508	0.025
18509	0.026
18510	0.027
18511	0.027
18512	0.027
18513	0.026
18514	0.027
18515	0.028
18516	0.028
18517	0.028
18518	0.029
18519	0.027
18520	0.027
18521	0.028
18522	0.027
18523	0.027
18524	0.027
18525	0.028
18526	0.029
18527	0.027
18528	0.027

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

18529	0.027
18530	0.026
18531	0.027
18532	0.028
18533	0.027
18534	0.028
18535	0.028
18536	0.028
18537	0.028
18538	0.027
18539	0.027
18540	0.027
18541	0.026
18542	0.027
18543	0.028
18544	0.028
18545	0.027
18546	0.027
18547	0.028
18548	0.028
18549	0.028
18550	0.028
18551	0.027
18552	0.027
18553	0.028
18554	0.028
18555	0.027
18556	0.028
18557	0.027
18558	0.028
18559	0.028
18560	0.028
18561	0.028
18562	0.028
18563	0.029
18564	0.027
18565	0.028
18566	0.03
18567	0.028
18568	0.027
18569	0.026
18570	0.026
18571	0.027
18572	0.029
18573	0.029
18574	0.029
18575	0.029
18576	0.028

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

18577	0.028
18578	0.027
18579	0.026
18580	0.027
18581	0.028
18582	0.028
18583	0.027
18584	0.027
18585	0.029
18586	0.03
18587	0.028
18588	0.026
18589	0.027
18590	0.027
18591	0.028
18592	0.028
18593	0.027
18594	0.027
18595	0.026
18596	0.026
18597	0.027
18598	0.028
18599	0.028
18600	0.028
18601	0.029
18602	0.028
18603	0.027
18604	0.027
18605	0.028
18606	0.028
18607	0.028
18608	0.027
18609	0.027
18610	0.028
18611	0.029
18612	0.028
18613	0.027
18614	0.028
18615	0.028
18616	0.027
18617	0.027
18618	0.027
18619	0.028
18620	0.027
18621	0.027
18622	0.027
18623	0.028
18624	0.027

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

18625	0.027
18626	0.028
18627	0.028
18628	0.028
18629	0.027
18630	0.028
18631	0.028
18632	0.027
18633	0.027
18634	0.028
18635	0.028
18636	0.027
18637	0.028
18638	0.026
18639	0.026
18640	0.027
18641	0.027
18642	0.027
18643	0.027
18644	0.028
18645	0.028
18646	0.027
18647	0.027
18648	0.027
18649	0.026
18650	0.026
18651	0.027
18652	0.028
18653	0.026
18654	0.028
18655	0.028
18656	0.028
18657	0.029
18658	0.027
18659	0.028
18660	0.027
18661	0.026
18662	0.026
18663	0.027
18664	0.028
18665	0.027
18666	0.029
18667	0.03
18668	0.028
18669	0.028
18670	0.027
18671	0.028
18672	0.028

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

18673	0.028
18674	0.028
18675	0.028
18676	0.027
18677	0.026
18678	0.027
18679	0.028
18680	0.029
18681	0.027
18682	0.027
18683	0.028
18684	0.028
18685	0.028
18686	0.026
18687	0.028
18688	0.03
18689	0.027
18690	0.026
18691	0.028
18692	0.027
18693	0.026
18694	0.027
18695	0.03
18696	0.03
18697	0.028
18698	0.028
18699	0.028
18700	0.028
18701	0.028
18702	0.027
18703	0.027
18704	0.026
18705	0.027
18706	0.027
18707	0.027
18708	0.029
18709	0.029
18710	0.029
18711	0.027
18712	0.027
18713	0.028
18714	0.028
18715	0.028
18716	0.029
18717	0.028
18718	0.028
18719	0.027
18720	0.027

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

18721	0.028
18722	0.027
18723	0.027
18724	0.026
18725	0.027
18726	0.028
18727	0.028
18728	0.027
18729	0.027
18730	0.027
18731	0.027
18732	0.029
18733	0.027
18734	0.027
18735	0.028
18736	0.027
18737	0.027
18738	0.027
18739	0.026
18740	0.025
18741	0.028
18742	0.031
18743	0.027
18744	0.027
18745	0.027
18746	0.029
18747	0.027
18748	0.029
18749	0.029
18750	0.028
18751	0.029
18752	0.027
18753	0.027
18754	0.028
18755	0.028
18756	0.028
18757	0.028
18758	0.029
18759	0.029
18760	0.028
18761	0.026
18762	0.026
18763	0.028
18764	0.027
18765	0.027
18766	0.026
18767	0.027
18768	0.027

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

18769	0.029
18770	0.03
18771	0.028
18772	0.028
18773	0.028
18774	0.027
18775	0.026
18776	0.027
18777	0.027
18778	0.026
18779	0.026
18780	0.027
18781	0.027
18782	0.029
18783	0.03
18784	0.03
18785	0.029
18786	0.027
18787	0.027
18788	0.026
18789	0.027
18790	0.028
18791	0.027
18792	0.025
18793	0.027
18794	0.027
18795	0.026
18796	0.026
18797	0.027
18798	0.027
18799	0.026
18800	0.029
18801	0.029
18802	0.027
18803	0.027
18804	0.027
18805	0.027
18806	0.026
18807	0.026
18808	0.027
18809	0.028
18810	0.028
18811	0.026
18812	0.026
18813	0.028
18814	0.028
18815	0.026
18816	0.027

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

18817	0.027
18818	0.027
18819	0.027
18820	0.027
18821	0.027
18822	0.026
18823	0.026
18824	0.027
18825	0.028
18826	0.027
18827	0.027
18828	0.029
18829	0.027
18830	0.028
18831	0.03
18832	0.029
18833	0.028
18834	0.03
18835	0.027
18836	0.026
18837	0.027
18838	0.026
18839	0.028
18840	0.029
18841	0.029
18842	0.026
18843	0.027
18844	0.028
18845	0.027
18846	0.027
18847	0.031
18848	0.034
18849	0.027
18850	0.028
18851	0.026
18852	0.026
18853	0.027
18854	0.027
18855	0.027
18856	0.028
18857	0.027
18858	0.027
18859	0.027
18860	0.027
18861	0.026
18862	0.027
18863	0.028
18864	0.027

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

18865	0.03
18866	0.03
18867	0.027
18868	0.027
18869	0.027
18870	0.027
18871	0.028
18872	0.027
18873	0.026
18874	0.026
18875	0.027
18876	0.028
18877	0.028
18878	0.027
18879	0.025
18880	0.026
18881	0.028
18882	0.028
18883	0.026
18884	0.026
18885	0.027
18886	0.027
18887	0.026
18888	0.026
18889	0.028
18890	0.028
18891	0.027
18892	0.026
18893	0.025
18894	0.027
18895	0.027
18896	0.028
18897	0.028
18898	0.029
18899	0.027
18900	0.027
18901	0.027
18902	0.028
18903	0.029
18904	0.028
18905	0.027
18906	0.027
18907	0.028
18908	0.029
18909	0.029
18910	0.029
18911	0.028
18912	0.026

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

18913	0.027
18914	0.028
18915	0.029
18916	0.028
18917	0.028
18918	0.026
18919	0.026
18920	0.026
18921	0.027
18922	0.028
18923	0.027
18924	0.026
18925	0.027
18926	0.026
18927	0.026
18928	0.026
18929	0.028
18930	0.027
18931	0.026
18932	0.027
18933	0.027
18934	0.028
18935	0.028
18936	0.026
18937	0.026
18938	0.027
18939	0.027
18940	0.026
18941	0.027
18942	0.028
18943	0.026
18944	0.027
18945	0.027
18946	0.027
18947	0.027
18948	0.027
18949	0.028
18950	0.027
18951	0.027
18952	0.026
18953	0.026
18954	0.026
18955	0.028
18956	0.028
18957	0.027
18958	0.026
18959	0.026
18960	0.026

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

18961	0.026
18962	0.026
18963	0.027
18964	0.026
18965	0.028
18966	0.027
18967	0.027
18968	0.027
18969	0.028
18970	0.027
18971	0.026
18972	0.028
18973	0.028
18974	0.027
18975	0.027
18976	0.026
18977	0.025
18978	0.026
18979	0.026
18980	0.026
18981	0.026
18982	0.027
18983	0.026
18984	0.025
18985	0.027
18986	0.026
18987	0.025
18988	0.026
18989	0.026
18990	0.028
18991	0.027
18992	0.026
18993	0.027
18994	0.027
18995	0.027
18996	0.025
18997	0.027
18998	0.027
18999	0.027
19000	0.026
19001	0.026
19002	0.026
19003	0.027
19004	0.026
19005	0.026
19006	0.027
19007	0.027
19008	0.028

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

19009	0.027
19010	0.028
19011	0.027
19012	0.026
19013	0.027
19014	0.027
19015	0.026
19016	0.025
19017	0.026
19018	0.025
19019	0.026
19020	0.027
19021	0.028
19022	0.028
19023	0.027
19024	0.025
19025	0.026
19026	0.028
19027	0.028
19028	0.027
19029	0.026
19030	0.027
19031	0.028
19032	0.028
19033	0.029
19034	0.029
19035	0.026
19036	0.028
19037	0.027
19038	0.028
19039	0.041
19040	0.027
19041	0.028
19042	0.027
19043	0.027
19044	0.027
19045	0.028
19046	0.028
19047	0.029
19048	0.028
19049	0.028
19050	0.028
19051	0.029
19052	0.031
19053	0.033
19054	0.034
19055	0.031
19056	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

19057	0.033
19058	0.036
19059	0.036
19060	0.036
19061	0.036
19062	0.036
19063	0.036
19064	0.038
19065	0.038
19066	0.038
19067	0.036
19068	0.038
19069	0.037
19070	0.033
19071	0.033
19072	0.037
19073	0.038
19074	0.035
19075	0.037
19076	0.041
19077	0.043
19078	0.037
19079	0.036
19080	0.037
19081	0.036
19082	0.036
19083	0.035
19084	0.034
19085	0.033
19086	0.034
19087	0.034
19088	0.033
19089	0.034
19090	0.034
19091	0.035
19092	0.034
19093	0.033
19094	0.035
19095	0.034
19096	0.033
19097	0.035
19098	0.037
19099	0.035
19100	0.033
19101	0.034
19102	0.033
19103	0.034
19104	0.033

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

19105	0.034
19106	0.036
19107	0.035
19108	0.033
19109	0.034
19110	0.034
19111	0.034
19112	0.035

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530104704
Firmware Version	3.5
Calibration Date	4/14/2017
Test Name	MANUAL_004
Test Start Time	7:38:42 AM
Test Start Date	6/6/2017
Test Length [D:H:M]	0:00:47
Test Interval [M:S]	0:10
Mass Average [mg/m3]	0.011
Mass Minimum [mg/m3]	0.004
Mass Maximum [mg/m3]	0.506
Mass TWA [mg/m3]	0.001
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	283

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
10	0.012		
20	0.008		
30	0.014		
40	0.017		
50	0.006		
60	0.005		
70	0.011		
80	0.01		
90	0.007		
100	0.011		
110	0.011		
120	0.01		
130	0.01		
140	0.008		
150	0.006		
160	0.009		
170	0.009		
180	0.017		
190	0.009		
200	0.013		

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

210	0.005
220	0.006
230	0.005
240	0.006
250	0.006
260	0.005
270	0.005
280	0.007
290	0.006
300	0.006
310	0.025
320	0.496
330	0.008
340	0.007
350	0.006
360	0.005
370	0.004
380	0.005
390	0.004
400	0.005
410	0.004
420	0.005
430	0.005
440	0.005
450	0.008
460	0.005
470	0.006
480	0.006
490	0.007
500	0.01
510	0.031
520	0.008
530	0.005
540	0.005
550	0.004
560	0.006
570	0.005
580	0.005
590	0.005
600	0.005
610	0.004
620	0.005
630	0.005
640	0.005
650	0.006
660	0.007
670	0.005
680	0.008

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

690	0.005
700	0.004
710	0.005
720	0.007
730	0.009
740	0.006
750	0.005
760	0.005
770	0.009
780	0.005
790	0.005
800	0.006
810	0.008
820	0.008
830	0.014
840	0.007
850	0.007
860	0.008
870	0.008
880	0.007
890	0.19
900	0.506
910	0.011
920	0.007
930	0.005
940	0.005
950	0.005
960	0.015
970	0.015
980	0.006
990	0.006
1000	0.006
1010	0.005
1020	0.014
1030	0.007
1040	0.006
1050	0.005
1060	0.005
1070	0.005
1080	0.005
1090	0.006
1100	0.005
1110	0.006
1120	0.006
1130	0.005
1140	0.005
1150	0.005
1160	0.007

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

1170	0.012
1180	0.01
1190	0.007
1200	0.006
1210	0.005
1220	0.006
1230	0.007
1240	0.034
1250	0.018
1260	0.012
1270	0.009
1280	0.017
1290	0.009
1300	0.008
1310	0.007
1320	0.006
1330	0.005
1340	0.005
1350	0.005
1360	0.004
1370	0.004
1380	0.006
1390	0.007
1400	0.005
1410	0.004
1420	0.004
1430	0.004
1440	0.004
1450	0.005
1460	0.005
1470	0.006
1480	0.006
1490	0.006
1500	0.005
1510	0.007
1520	0.006
1530	0.006
1540	0.01
1550	0.005
1560	0.005
1570	0.005
1580	0.005
1590	0.005
1600	0.005
1610	0.006
1620	0.005
1630	0.006
1640	0.007

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

1650	0.005
1660	0.005
1670	0.005
1680	0.004
1690	0.005
1700	0.005
1710	0.005
1720	0.004
1730	0.014
1740	0.005
1750	0.005
1760	0.005
1770	0.004
1780	0.004
1790	0.004
1800	0.004
1810	0.007
1820	0.005
1830	0.005
1840	0.004
1850	0.005
1860	0.004
1870	0.005
1880	0.005
1890	0.004
1900	0.004
1910	0.004
1920	0.004
1930	0.004
1940	0.004
1950	0.005
1960	0.005
1970	0.004
1980	0.005
1990	0.005
2000	0.005
2010	0.006
2020	0.007
2030	0.006
2040	0.006
2050	0.005
2060	0.005
2070	0.005
2080	0.005
2090	0.006
2100	0.005
2110	0.006
2120	0.006

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

2130	0.005
2140	0.004
2150	0.004
2160	0.005
2170	0.005
2180	0.004
2190	0.005
2200	0.004
2210	0.004
2220	0.005
2230	0.007
2240	0.005
2250	0.004
2260	0.004
2270	0.005
2280	0.005
2290	0.005
2300	0.004
2310	0.004
2320	0.004
2330	0.005
2340	0.005
2350	0.004
2360	0.004
2370	0.004
2380	0.004
2390	0.005
2400	0.004
2410	0.005
2420	0.005
2430	0.005
2440	0.005
2450	0.005
2460	0.005
2470	0.005
2480	0.004
2490	0.006
2500	0.005
2510	0.005
2520	0.005
2530	0.004
2540	0.005
2550	0.006
2560	0.005
2570	0.005
2580	0.006
2590	0.006
2600	0.005

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

2610	0.006
2620	0.005
2630	0.005
2640	0.004
2650	0.005
2660	0.01
2670	0.007
2680	0.005
2690	0.005
2700	0.005
2710	0.005
2720	0.004
2730	0.005
2740	0.005
2750	0.013
2760	0.007
2770	0.007
2780	0.007
2790	0.007
2800	0.007
2810	0.008
2820	0.008
2830	0.007

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530104704
Firmware Version	3.5
Calibration Date	4/14/2017
Test Name	MANUAL_005
Test Start Time	9:43:38 AM
Test Start Date	6/6/2017
Test Length [D:H:M]	0:01:42
Test Interval [M:S]	0:10
Mass Average [mg/m3]	0.006
Mass Minimum [mg/m3]	0.004
Mass Maximum [mg/m3]	0.073
Mass TWA [mg/m3]	0.001
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	617

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
10	0.008		
20	0.007		
30	0.006		
40	0.006		
50	0.009		

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

60	0.008
70	0.008
80	0.009
90	0.007
100	0.007
110	0.008
120	0.011
130	0.008
140	0.008
150	0.007
160	0.013
170	0.01
180	0.007
190	0.007
200	0.006
210	0.006
220	0.073
230	0.012
240	0.006
250	0.007
260	0.006
270	0.005
280	0.006
290	0.006
300	0.006
310	0.005
320	0.006
330	0.006
340	0.006
350	0.006
360	0.006
370	0.006
380	0.005
390	0.006
400	0.005
410	0.005
420	0.007
430	0.008
440	0.007
450	0.008
460	0.007
470	0.008
480	0.007
490	0.008
500	0.007
510	0.006
520	0.006
530	0.005

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

540	0.006
550	0.005
560	0.006
570	0.006
580	0.007
590	0.008
600	0.006
610	0.005
620	0.005
630	0.005
640	0.006
650	0.006
660	0.006
670	0.006
680	0.006
690	0.008
700	0.007
710	0.008
720	0.007
730	0.007
740	0.006
750	0.006
760	0.006
770	0.006
780	0.007
790	0.007
800	0.007
810	0.007
820	0.006
830	0.006
840	0.006
850	0.006
860	0.007
870	0.007
880	0.006
890	0.006
900	0.006
910	0.007
920	0.006
930	0.006
940	0.006
950	0.006
960	0.007
970	0.006
980	0.006
990	0.006
1000	0.006
1010	0.006

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

1020	0.006
1030	0.006
1040	0.006
1050	0.006
1060	0.006
1070	0.006
1080	0.006
1090	0.006
1100	0.006
1110	0.006
1120	0.006
1130	0.006
1140	0.005
1150	0.006
1160	0.005
1170	0.006
1180	0.006
1190	0.006
1200	0.006
1210	0.006
1220	0.005
1230	0.005
1240	0.006
1250	0.005
1260	0.005
1270	0.006
1280	0.006
1290	0.007
1300	0.006
1310	0.007
1320	0.006
1330	0.006
1340	0.007
1350	0.006
1360	0.007
1370	0.005
1380	0.006
1390	0.006
1400	0.005
1410	0.005
1420	0.005
1430	0.005
1440	0.007
1450	0.006
1460	0.006
1470	0.006
1480	0.005
1490	0.006

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

1500	0.006
1510	0.005
1520	0.006
1530	0.006
1540	0.007
1550	0.014
1560	0.009
1570	0.008
1580	0.007
1590	0.007
1600	0.008
1610	0.006
1620	0.007
1630	0.007
1640	0.006
1650	0.006
1660	0.005
1670	0.005
1680	0.006
1690	0.005
1700	0.006
1710	0.006
1720	0.006
1730	0.005
1740	0.006
1750	0.006
1760	0.007
1770	0.006
1780	0.005
1790	0.006
1800	0.007
1810	0.006
1820	0.006
1830	0.006
1840	0.006
1850	0.006
1860	0.006
1870	0.006
1880	0.007
1890	0.005
1900	0.005
1910	0.007
1920	0.008
1930	0.007
1940	0.006
1950	0.006
1960	0.005
1970	0.005

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

1980	0.006
1990	0.006
2000	0.006
2010	0.005
2020	0.005
2030	0.006
2040	0.006
2050	0.006
2060	0.006
2070	0.005
2080	0.006
2090	0.005
2100	0.005
2110	0.006
2120	0.006
2130	0.007
2140	0.006
2150	0.006
2160	0.006
2170	0.005
2180	0.005
2190	0.006
2200	0.005
2210	0.007
2220	0.005
2230	0.006
2240	0.006
2250	0.005
2260	0.007
2270	0.006
2280	0.006
2290	0.006
2300	0.005
2310	0.006
2320	0.005
2330	0.006
2340	0.005
2350	0.007
2360	0.006
2370	0.008
2380	0.007
2390	0.007
2400	0.007
2410	0.006
2420	0.006
2430	0.005
2440	0.004
2450	0.009

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

2460	0.005
2470	0.006
2480	0.005
2490	0.006
2500	0.006
2510	0.006
2520	0.006
2530	0.006
2540	0.006
2550	0.005
2560	0.006
2570	0.006
2580	0.006
2590	0.005
2600	0.006
2610	0.007
2620	0.006
2630	0.005
2640	0.006
2650	0.006
2660	0.005
2670	0.005
2680	0.006
2690	0.005
2700	0.005
2710	0.006
2720	0.006
2730	0.006
2740	0.006
2750	0.007
2760	0.006
2770	0.006
2780	0.006
2790	0.007
2800	0.007
2810	0.006
2820	0.007
2830	0.008
2840	0.007
2850	0.009
2860	0.008
2870	0.008
2880	0.009
2890	0.008
2900	0.008
2910	0.007
2920	0.007
2930	0.007

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

2940	0.008
2950	0.007
2960	0.007
2970	0.008
2980	0.005
2990	0.006
3000	0.01
3010	0.006
3020	0.005
3030	0.005
3040	0.011
3050	0.007
3060	0.006
3070	0.005
3080	0.005
3090	0.006
3100	0.005
3110	0.005
3120	0.005
3130	0.005
3140	0.005
3150	0.005
3160	0.005
3170	0.005
3180	0.005
3190	0.005
3200	0.005
3210	0.007
3220	0.007
3230	0.005
3240	0.005
3250	0.005
3260	0.005
3270	0.005
3280	0.005
3290	0.006
3300	0.005
3310	0.006
3320	0.005
3330	0.004
3340	0.005
3350	0.005
3360	0.005
3370	0.005
3380	0.005
3390	0.005
3400	0.005
3410	0.006

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

3420	0.005
3430	0.005
3440	0.006
3450	0.006
3460	0.005
3470	0.005
3480	0.005
3490	0.005
3500	0.006
3510	0.006
3520	0.006
3530	0.006
3540	0.005
3550	0.006
3560	0.006
3570	0.006
3580	0.006
3590	0.005
3600	0.005
3610	0.005
3620	0.005
3630	0.005
3640	0.004
3650	0.006
3660	0.006
3670	0.006
3680	0.005
3690	0.007
3700	0.006
3710	0.005
3720	0.006
3730	0.005
3740	0.005
3750	0.005
3760	0.005
3770	0.006
3780	0.006
3790	0.006
3800	0.006
3810	0.006
3820	0.008
3830	0.007
3840	0.006
3850	0.005
3860	0.006
3870	0.006
3880	0.005
3890	0.005

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

3900	0.009
3910	0.005
3920	0.005
3930	0.005
3940	0.005
3950	0.004
3960	0.006
3970	0.005
3980	0.005
3990	0.005
4000	0.005
4010	0.005
4020	0.005
4030	0.004
4040	0.004
4050	0.005
4060	0.005
4070	0.004
4080	0.005
4090	0.005
4100	0.005
4110	0.005
4120	0.005
4130	0.005
4140	0.005
4150	0.005
4160	0.005
4170	0.006
4180	0.008
4190	0.006
4200	0.006
4210	0.006
4220	0.008
4230	0.006
4240	0.008
4250	0.006
4260	0.006
4270	0.005
4280	0.005
4290	0.004
4300	0.006
4310	0.006
4320	0.006
4330	0.005
4340	0.005
4350	0.004
4360	0.005
4370	0.005

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

4380	0.005
4390	0.005
4400	0.007
4410	0.006
4420	0.005
4430	0.006
4440	0.005
4450	0.005
4460	0.005
4470	0.005
4480	0.004
4490	0.005
4500	0.005
4510	0.005
4520	0.005
4530	0.006
4540	0.006
4550	0.006
4560	0.007
4570	0.005
4580	0.006
4590	0.006
4600	0.005
4610	0.006
4620	0.006
4630	0.005
4640	0.005
4650	0.005
4660	0.005
4670	0.004
4680	0.005
4690	0.005
4700	0.005
4710	0.005
4720	0.005
4730	0.005
4740	0.006
4750	0.006
4760	0.005
4770	0.005
4780	0.005
4790	0.005
4800	0.005
4810	0.006
4820	0.005
4830	0.005
4840	0.006
4850	0.006

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

4860	0.005
4870	0.004
4880	0.005
4890	0.005
4900	0.005
4910	0.005
4920	0.005
4930	0.005
4940	0.005
4950	0.005
4960	0.005
4970	0.005
4980	0.004
4990	0.005
5000	0.005
5010	0.005
5020	0.004
5030	0.005
5040	0.009
5050	0.006
5060	0.005
5070	0.004
5080	0.004
5090	0.006
5100	0.011
5110	0.008
5120	0.008
5130	0.007
5140	0.006
5150	0.006
5160	0.005
5170	0.005
5180	0.005
5190	0.006
5200	0.005
5210	0.005
5220	0.006
5230	0.005
5240	0.005
5250	0.005
5260	0.004
5270	0.005
5280	0.005
5290	0.005
5300	0.005
5310	0.006
5320	0.006
5330	0.008

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

5340	0.009
5350	0.008
5360	0.006
5370	0.006
5380	0.006
5390	0.006
5400	0.005
5410	0.005
5420	0.007
5430	0.008
5440	0.006
5450	0.006
5460	0.006
5470	0.005
5480	0.005
5490	0.005
5500	0.005
5510	0.005
5520	0.005
5530	0.005
5540	0.005
5550	0.005
5560	0.005
5570	0.004
5580	0.005
5590	0.005
5600	0.004
5610	0.005
5620	0.005
5630	0.005
5640	0.005
5650	0.004
5660	0.005
5670	0.005
5680	0.005
5690	0.005
5700	0.005
5710	0.005
5720	0.005
5730	0.005
5740	0.004
5750	0.005
5760	0.005
5770	0.005
5780	0.005
5790	0.004
5800	0.005
5810	0.005

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

5820	0.005
5830	0.005
5840	0.007
5850	0.006
5860	0.006
5870	0.006
5880	0.006
5890	0.004
5900	0.006
5910	0.006
5920	0.005
5930	0.006
5940	0.005
5950	0.005
5960	0.005
5970	0.006
5980	0.005
5990	0.005
6000	0.004
6010	0.005
6020	0.005
6030	0.008
6040	0.007
6050	0.007
6060	0.009
6070	0.008
6080	0.007
6090	0.007
6100	0.008
6110	0.008
6120	0.009
6130	0.009
6140	0.009
6150	0.01
6160	0.008
6170	0.009

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530104704
Firmware Version	3.5
Calibration Date	4/14/2017
Test Name	MANUAL_006
Test Start Time	1:32:19 PM
Test Start Date	6/6/2017
Test Length [D:H:M]	0:02:25
Test Interval [M:S]	0:10
Mass Average [mg/m3]	0.006
Mass Minimum [mg/m3]	0.003

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

Mass Maximum [mg/m3]	0.193
Mass TWA [mg/m3]	0.002
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	872

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
10	0.009		
20	0.008		
30	0.006		
40	0.006		
50	0.006		
60	0.006		
70	0.007		
80	0.007		
90	0.045		
100	0.193		
110	0.182		
120	0.055		
130	0.047		
140	0.018		
150	0.012		
160	0.011		
170	0.022		
180	0.015		
190	0.022		
200	0.079		
210	0.026		
220	0.038		
230	0.024		
240	0.019		
250	0.054		
260	0.036		
270	0.018		
280	0.015		
290	0.016		
300	0.013		
310	0.01		
320	0.008		
330	0.007		
340	0.007		
350	0.006		
360	0.005		
370	0.005		
380	0.006		
390	0.005		
400	0.005		

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

410	0.005
420	0.005
430	0.005
440	0.005
450	0.005
460	0.005
470	0.004
480	0.005
490	0.005
500	0.005
510	0.005
520	0.005
530	0.005
540	0.005
550	0.005
560	0.005
570	0.005
580	0.005
590	0.005
600	0.005
610	0.005
620	0.005
630	0.005
640	0.006
650	0.006
660	0.006
670	0.005
680	0.005
690	0.005
700	0.007
710	0.005
720	0.005
730	0.004
740	0.005
750	0.005
760	0.005
770	0.005
780	0.008
790	0.014
800	0.007
810	0.008
820	0.006
830	0.007
840	0.009
850	0.01
860	0.009
870	0.01
880	0.008

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

890	0.009
900	0.007
910	0.006
920	0.006
930	0.006
940	0.006
950	0.006
960	0.005
970	0.005
980	0.005
990	0.005
1000	0.005
1010	0.005
1020	0.005
1030	0.006
1040	0.006
1050	0.007
1060	0.005
1070	0.006
1080	0.005
1090	0.006
1100	0.007
1110	0.007
1120	0.005
1130	0.006
1140	0.007
1150	0.006
1160	0.005
1170	0.005
1180	0.006
1190	0.006
1200	0.005
1210	0.005
1220	0.005
1230	0.006
1240	0.006
1250	0.006
1260	0.007
1270	0.006
1280	0.006
1290	0.005
1300	0.005
1310	0.031
1320	0.005
1330	0.005
1340	0.005
1350	0.005
1360	0.005

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

1370	0.004
1380	0.004
1390	0.005
1400	0.005
1410	0.005
1420	0.005
1430	0.005
1440	0.005
1450	0.005
1460	0.005
1470	0.006
1480	0.005
1490	0.005
1500	0.004
1510	0.005
1520	0.005
1530	0.005
1540	0.005
1550	0.005
1560	0.005
1570	0.005
1580	0.005
1590	0.005
1600	0.005
1610	0.005
1620	0.005
1630	0.004
1640	0.005
1650	0.006
1660	0.004
1670	0.005
1680	0.005
1690	0.005
1700	0.005
1710	0.005
1720	0.005
1730	0.004
1740	0.005
1750	0.005
1760	0.004
1770	0.004
1780	0.005
1790	0.005
1800	0.005
1810	0.004
1820	0.004
1830	0.004
1840	0.004

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

1850	0.005
1860	0.006
1870	0.005
1880	0.004
1890	0.005
1900	0.005
1910	0.005
1920	0.005
1930	0.005
1940	0.004
1950	0.004
1960	0.005
1970	0.005
1980	0.005
1990	0.005
2000	0.005
2010	0.006
2020	0.005
2030	0.005
2040	0.005
2050	0.005
2060	0.005
2070	0.005
2080	0.005
2090	0.005
2100	0.005
2110	0.005
2120	0.005
2130	0.005
2140	0.005
2150	0.005
2160	0.005
2170	0.006
2180	0.004
2190	0.005
2200	0.005
2210	0.004
2220	0.005
2230	0.005
2240	0.005
2250	0.005
2260	0.005
2270	0.005
2280	0.005
2290	0.004
2300	0.004
2310	0.004
2320	0.004

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

2330	0.005
2340	0.004
2350	0.005
2360	0.005
2370	0.004
2380	0.005
2390	0.004
2400	0.004
2410	0.004
2420	0.004
2430	0.004
2440	0.005
2450	0.004
2460	0.004
2470	0.004
2480	0.004
2490	0.004
2500	0.004
2510	0.004
2520	0.004
2530	0.004
2540	0.004
2550	0.005
2560	0.004
2570	0.005
2580	0.005
2590	0.005
2600	0.004
2610	0.005
2620	0.005
2630	0.005
2640	0.006
2650	0.006
2660	0.005
2670	0.005
2680	0.012
2690	0.006
2700	0.012
2710	0.032
2720	0.029
2730	0.008
2740	0.007
2750	0.017
2760	0.01
2770	0.007
2780	0.01
2790	0.007
2800	0.007

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

2810	0.005
2820	0.005
2830	0.006
2840	0.007
2850	0.007
2860	0.007
2870	0.006
2880	0.012
2890	0.011
2900	0.008
2910	0.013
2920	0.009
2930	0.006
2940	0.008
2950	0.006
2960	0.006
2970	0.005
2980	0.005
2990	0.004
3000	0.005
3010	0.005
3020	0.005
3030	0.005
3040	0.004
3050	0.004
3060	0.004
3070	0.004
3080	0.004
3090	0.004
3100	0.005
3110	0.004
3120	0.005
3130	0.004
3140	0.004
3150	0.004
3160	0.005
3170	0.004
3180	0.004
3190	0.004
3200	0.004
3210	0.004
3220	0.004
3230	0.005
3240	0.004
3250	0.004
3260	0.004
3270	0.004
3280	0.004

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

3290	0.004
3300	0.004
3310	0.004
3320	0.004
3330	0.006
3340	0.007
3350	0.006
3360	0.006
3370	0.007
3380	0.006
3390	0.006
3400	0.007
3410	0.007
3420	0.005
3430	0.005
3440	0.005
3450	0.005
3460	0.005
3470	0.005
3480	0.005
3490	0.005
3500	0.005
3510	0.005
3520	0.005
3530	0.006
3540	0.007
3550	0.007
3560	0.007
3570	0.006
3580	0.005
3590	0.005
3600	0.006
3610	0.007
3620	0.008
3630	0.008
3640	0.009
3650	0.006
3660	0.005
3670	0.006
3680	0.007
3690	0.006
3700	0.005
3710	0.005
3720	0.005
3730	0.005
3740	0.004
3750	0.004
3760	0.004

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

3770	0.005
3780	0.004
3790	0.005
3800	0.005
3810	0.005
3820	0.022
3830	0.004
3840	0.004
3850	0.005
3860	0.004
3870	0.004
3880	0.004
3890	0.004
3900	0.004
3910	0.005
3920	0.004
3930	0.005
3940	0.004
3950	0.004
3960	0.004
3970	0.004
3980	0.005
3990	0.004
4000	0.004
4010	0.005
4020	0.004
4030	0.004
4040	0.004
4050	0.005
4060	0.009
4070	0.004
4080	0.004
4090	0.004
4100	0.005
4110	0.004
4120	0.004
4130	0.004
4140	0.004
4150	0.004
4160	0.004
4170	0.004
4180	0.004
4190	0.005
4200	0.004
4210	0.004
4220	0.004
4230	0.004
4240	0.004

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

4250	0.004
4260	0.004
4270	0.005
4280	0.004
4290	0.004
4300	0.004
4310	0.005
4320	0.004
4330	0.004
4340	0.004
4350	0.004
4360	0.004
4370	0.005
4380	0.005
4390	0.004
4400	0.005
4410	0.004
4420	0.004
4430	0.004
4440	0.005
4450	0.004
4460	0.004
4470	0.004
4480	0.004
4490	0.005
4500	0.004
4510	0.004
4520	0.004
4530	0.004
4540	0.004
4550	0.004
4560	0.004
4570	0.004
4580	0.004
4590	0.004
4600	0.004
4610	0.004
4620	0.004
4630	0.004
4640	0.004
4650	0.005
4660	0.004
4670	0.004
4680	0.004
4690	0.004
4700	0.005
4710	0.005
4720	0.004

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

4730	0.005
4740	0.004
4750	0.004
4760	0.004
4770	0.005
4780	0.005
4790	0.005
4800	0.005
4810	0.005
4820	0.005
4830	0.004
4840	0.004
4850	0.005
4860	0.005
4870	0.005
4880	0.005
4890	0.004
4900	0.004
4910	0.005
4920	0.004
4930	0.005
4940	0.005
4950	0.005
4960	0.005
4970	0.005
4980	0.005
4990	0.004
5000	0.005
5010	0.005
5020	0.004
5030	0.004
5040	0.004
5050	0.005
5060	0.004
5070	0.004
5080	0.004
5090	0.004
5100	0.005
5110	0.005
5120	0.004
5130	0.004
5140	0.005
5150	0.004
5160	0.004
5170	0.005
5180	0.005
5190	0.004
5200	0.004

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

5210	0.005
5220	0.005
5230	0.005
5240	0.006
5250	0.007
5260	0.008
5270	0.008
5280	0.007
5290	0.005
5300	0.005
5310	0.005
5320	0.004
5330	0.004
5340	0.004
5350	0.004
5360	0.004
5370	0.004
5380	0.004
5390	0.005
5400	0.004
5410	0.004
5420	0.005
5430	0.005
5440	0.007
5450	0.005
5460	0.005
5470	0.005
5480	0.005
5490	0.005
5500	0.005
5510	0.004
5520	0.004
5530	0.004
5540	0.004
5550	0.004
5560	0.004
5570	0.004
5580	0.004
5590	0.006
5600	0.013
5610	0.006
5620	0.005
5630	0.004
5640	0.004
5650	0.004
5660	0.004
5670	0.004
5680	0.004

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

5690	0.004
5700	0.004
5710	0.004
5720	0.005
5730	0.004
5740	0.004
5750	0.003
5760	0.004
5770	0.005
5780	0.004
5790	0.004
5800	0.005
5810	0.005
5820	0.004
5830	0.004
5840	0.004
5850	0.004
5860	0.004
5870	0.004
5880	0.004
5890	0.004
5900	0.004
5910	0.004
5920	0.004
5930	0.004
5940	0.004
5950	0.004
5960	0.004
5970	0.01
5980	0.004
5990	0.004
6000	0.004
6010	0.004
6020	0.004
6030	0.004
6040	0.004
6050	0.004
6060	0.004
6070	0.004
6080	0.004
6090	0.004
6100	0.004
6110	0.004
6120	0.004
6130	0.004
6140	0.004
6150	0.004
6160	0.004

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

6170	0.004
6180	0.004
6190	0.004
6200	0.004
6210	0.004
6220	0.004
6230	0.004
6240	0.004
6250	0.008
6260	0.004
6270	0.004
6280	0.004
6290	0.004
6300	0.005
6310	0.004
6320	0.005
6330	0.004
6340	0.004
6350	0.004
6360	0.004
6370	0.004
6380	0.005
6390	0.004
6400	0.005
6410	0.004
6420	0.005
6430	0.005
6440	0.004
6450	0.005
6460	0.004
6470	0.004
6480	0.005
6490	0.005
6500	0.005
6510	0.004
6520	0.004
6530	0.005
6540	0.004
6550	0.038
6560	0.004
6570	0.004
6580	0.004
6590	0.004
6600	0.004
6610	0.004
6620	0.004
6630	0.004
6640	0.004

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

6650	0.004
6660	0.004
6670	0.004
6680	0.004
6690	0.004
6700	0.005
6710	0.004
6720	0.004
6730	0.004
6740	0.004
6750	0.004
6760	0.005
6770	0.004
6780	0.005
6790	0.004
6800	0.004
6810	0.005
6820	0.004
6830	0.005
6840	0.004
6850	0.004
6860	0.004
6870	0.004
6880	0.004
6890	0.004
6900	0.004
6910	0.004
6920	0.004
6930	0.004
6940	0.004
6950	0.004
6960	0.004
6970	0.004
6980	0.004
6990	0.005
7000	0.004
7010	0.004
7020	0.004
7030	0.003
7040	0.016
7050	0.018
7060	0.04
7070	0.025
7080	0.023
7090	0.029
7100	0.028
7110	0.014
7120	0.011

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

7130	0.006
7140	0.007
7150	0.007
7160	0.007
7170	0.005
7180	0.005
7190	0.005
7200	0.005
7210	0.006
7220	0.004
7230	0.004
7240	0.004
7250	0.004
7260	0.004
7270	0.004
7280	0.004
7290	0.005
7300	0.005
7310	0.005
7320	0.004
7330	0.004
7340	0.004
7350	0.004
7360	0.004
7370	0.004
7380	0.004
7390	0.004
7400	0.004
7410	0.004
7420	0.004
7430	0.004
7440	0.005
7450	0.004
7460	0.004
7470	0.004
7480	0.004
7490	0.004
7500	0.007
7510	0.005
7520	0.009
7530	0.011
7540	0.007
7550	0.006
7560	0.006
7570	0.007
7580	0.005
7590	0.004
7600	0.004

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

7610	0.007
7620	0.006
7630	0.005
7640	0.005
7650	0.004
7660	0.004
7670	0.005
7680	0.004
7690	0.004
7700	0.005
7710	0.004
7720	0.004
7730	0.004
7740	0.004
7750	0.004
7760	0.004
7770	0.004
7780	0.004
7790	0.004
7800	0.004
7810	0.004
7820	0.004
7830	0.004
7840	0.004
7850	0.003
7860	0.004
7870	0.004
7880	0.004
7890	0.004
7900	0.004
7910	0.004
7920	0.004
7930	0.004
7940	0.004
7950	0.005
7960	0.005
7970	0.004
7980	0.009
7990	0.011
8000	0.007
8010	0.006
8020	0.005
8030	0.005
8040	0.005
8050	0.005
8060	0.004
8070	0.004
8080	0.004

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

8090	0.005
8100	0.014
8110	0.012
8120	0.012
8130	0.007
8140	0.009
8150	0.011
8160	0.01
8170	0.008
8180	0.006
8190	0.005
8200	0.006
8210	0.006
8220	0.005
8230	0.004
8240	0.005
8250	0.005
8260	0.005
8270	0.005
8280	0.005
8290	0.005
8300	0.005
8310	0.004
8320	0.005
8330	0.005
8340	0.005
8350	0.004
8360	0.004
8370	0.004
8380	0.004
8390	0.004
8400	0.004
8410	0.004
8420	0.004
8430	0.004
8440	0.004
8450	0.004
8460	0.004
8470	0.004
8480	0.004
8490	0.004
8500	0.005
8510	0.004
8520	0.004
8530	0.004
8540	0.005
8550	0.006
8560	0.006

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

8570	0.005
8580	0.006
8590	0.005
8600	0.014
8610	0.007
8620	0.039
8630	0.032
8640	0.01
8650	0.01
8660	0.015
8670	0.015
8680	0.012
8690	0.011
8700	0.015
8710	0.016
8720	0.009

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530104704
Firmware Version	3.5
Calibration Date	4/14/2017
Test Name	MANUAL_007
Test Start Time	9:25:00 AM
Test Start Date	6/7/2017
Test Length [D:H:M]	0:00:33
Test Interval [M:S]	0:10
Mass Average [mg/m3]	0.007
Mass Minimum [mg/m3]	0.003
Mass Maximum [mg/m3]	0.163
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	203

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
10	0.006		
20	0.042		
30	0.01		
40	0.163		
50	0.036		
60	0.028		
70	0.077		
80	0.033		
90	0.038		
100	0.016		
110	0.007		
120	0.007		

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

130	0.008
140	0.011
150	0.005
160	0.005
170	0.006
180	0.006
190	0.007
200	0.006
210	0.006
220	0.006
230	0.006
240	0.006
250	0.007
260	0.005
270	0.006
280	0.006
290	0.007
300	0.007
310	0.006
320	0.008
330	0.009
340	0.008
350	0.026
360	0.113
370	0.004
380	0.004
390	0.004
400	0.004
410	0.004
420	0.004
430	0.004
440	0.004
450	0.013
460	0.004
470	0.004
480	0.003
490	0.004
500	0.004
510	0.004
520	0.004
530	0.004
540	0.003
550	0.004
560	0.004
570	0.004
580	0.004
590	0.003
600	0.003

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

610	0.004
620	0.003
630	0.004
640	0.004
650	0.004
660	0.003
670	0.004
680	0.003
690	0.004
700	0.003
710	0.004
720	0.003
730	0.004
740	0.004
750	0.004
760	0.003
770	0.004
780	0.003
790	0.003
800	0.004
810	0.004
820	0.003
830	0.005
840	0.003
850	0.004
860	0.003
870	0.004
880	0.003
890	0.003
900	0.004
910	0.004
920	0.003
930	0.004
940	0.004
950	0.004
960	0.004
970	0.004
980	0.004
990	0.004
1000	0.003
1010	0.004
1020	0.004
1030	0.004
1040	0.004
1050	0.004
1060	0.003
1070	0.003
1080	0.004

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

1090	0.003
1100	0.003
1110	0.003
1120	0.004
1130	0.003
1140	0.004
1150	0.003
1160	0.004
1170	0.003
1180	0.004
1190	0.004
1200	0.004
1210	0.004
1220	0.003
1230	0.004
1240	0.004
1250	0.003
1260	0.004
1270	0.003
1280	0.003
1290	0.003
1300	0.004
1310	0.003
1320	0.004
1330	0.003
1340	0.004
1350	0.003
1360	0.003
1370	0.003
1380	0.004
1390	0.004
1400	0.004
1410	0.003
1420	0.004
1430	0.004
1440	0.003
1450	0.003
1460	0.004
1470	0.003
1480	0.004
1490	0.003
1500	0.004
1510	0.004
1520	0.003
1530	0.003
1540	0.004
1550	0.003
1560	0.004

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

1570	0.003
1580	0.004
1590	0.003
1600	0.003
1610	0.003
1620	0.003
1630	0.003
1640	0.003
1650	0.003
1660	0.003
1670	0.003
1680	0.003
1690	0.003
1700	0.003
1710	0.004
1720	0.004
1730	0.004
1740	0.003
1750	0.004
1760	0.004
1770	0.003
1780	0.004
1790	0.004
1800	0.003
1810	0.003
1820	0.004
1830	0.003
1840	0.004
1850	0.003
1860	0.004
1870	0.004
1880	0.004
1890	0.004
1900	0.004
1910	0.003
1920	0.003
1930	0.003
1940	0.004
1950	0.003
1960	0.005
1970	0.005
1980	0.005
1990	0.005
2000	0.006
2010	0.008
2020	0.008
2030	0.006

Instrument Name DustTrak II

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

Model Number	8530
Serial Number	8530104704
Firmware Version	3.5
Calibration Date	4/14/2017
Test Name	MANUAL_008
Test Start Time	1:18:31 PM
Test Start Date	6/7/2017
Test Length [D:H:M]	0:00:42
Test Interval [M:S]	0:10
Mass Average [mg/m3]	0.005
Mass Minimum [mg/m3]	0.004
Mass Maximum [mg/m3]	0.065
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	257

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
10	0.005		
20	0.006		
30	0.006		
40	0.006		
50	0.006		
60	0.065		
70	0.008		
80	0.006		
90	0.005		
100	0.005		
110	0.005		
120	0.005		
130	0.005		
140	0.004		
150	0.005		
160	0.005		
170	0.005		
180	0.005		
190	0.004		
200	0.004		
210	0.005		
220	0.005		
230	0.005		
240	0.005		
250	0.005		
260	0.004		
270	0.005		
280	0.005		
290	0.004		

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

300	0.005
310	0.005
320	0.005
330	0.005
340	0.005
350	0.005
360	0.005
370	0.004
380	0.004
390	0.004
400	0.005
410	0.005
420	0.005
430	0.005
440	0.004
450	0.004
460	0.004
470	0.004
480	0.004
490	0.004
500	0.005
510	0.005
520	0.005
530	0.005
540	0.005
550	0.005
560	0.005
570	0.005
580	0.005
590	0.005
600	0.004
610	0.004
620	0.004
630	0.004
640	0.005
650	0.005
660	0.004
670	0.004
680	0.005
690	0.005
700	0.004
710	0.005
720	0.006
730	0.005
740	0.005
750	0.007
760	0.004
770	0.005

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

780	0.005
790	0.005
800	0.005
810	0.005
820	0.005
830	0.005
840	0.005
850	0.005
860	0.005
870	0.004
880	0.005
890	0.005
900	0.006
910	0.005
920	0.005
930	0.004
940	0.005
950	0.004
960	0.005
970	0.004
980	0.005
990	0.005
1000	0.005
1010	0.005
1020	0.005
1030	0.004
1040	0.005
1050	0.005
1060	0.005
1070	0.005
1080	0.005
1090	0.005
1100	0.005
1110	0.005
1120	0.005
1130	0.004
1140	0.005
1150	0.005
1160	0.004
1170	0.005
1180	0.005
1190	0.005
1200	0.005
1210	0.005
1220	0.005
1230	0.005
1240	0.004
1250	0.005

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

1260	0.005
1270	0.005
1280	0.005
1290	0.004
1300	0.005
1310	0.005
1320	0.005
1330	0.005
1340	0.005
1350	0.005
1360	0.005
1370	0.007
1380	0.005
1390	0.004
1400	0.005
1410	0.005
1420	0.004
1430	0.005
1440	0.004
1450	0.005
1460	0.005
1470	0.005
1480	0.005
1490	0.005
1500	0.005
1510	0.005
1520	0.005
1530	0.005
1540	0.005
1550	0.005
1560	0.005
1570	0.005
1580	0.005
1590	0.004
1600	0.005
1610	0.005
1620	0.005
1630	0.005
1640	0.005
1650	0.005
1660	0.005
1670	0.005
1680	0.005
1690	0.004
1700	0.005
1710	0.005
1720	0.005
1730	0.004

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

1740	0.005
1750	0.005
1760	0.005
1770	0.005
1780	0.005
1790	0.004
1800	0.005
1810	0.005
1820	0.005
1830	0.004
1840	0.005
1850	0.005
1860	0.005
1870	0.005
1880	0.005
1890	0.005
1900	0.005
1910	0.005
1920	0.007
1930	0.005
1940	0.006
1950	0.01
1960	0.013
1970	0.008
1980	0.006
1990	0.005
2000	0.005
2010	0.006
2020	0.009
2030	0.009
2040	0.017
2050	0.015
2060	0.012
2070	0.006
2080	0.005
2090	0.005
2100	0.005
2110	0.005
2120	0.005
2130	0.004
2140	0.005
2150	0.005
2160	0.005
2170	0.004
2180	0.004
2190	0.004
2200	0.005
2210	0.004

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

2220	0.005
2230	0.005
2240	0.005
2250	0.04
2260	0.008
2270	0.005
2280	0.005
2290	0.005
2300	0.005
2310	0.004
2320	0.004
2330	0.004
2340	0.005
2350	0.004
2360	0.004
2370	0.004
2380	0.004
2390	0.005
2400	0.005
2410	0.005
2420	0.004
2430	0.004
2440	0.004
2450	0.004
2460	0.004
2470	0.004
2480	0.004
2490	0.004
2500	0.004
2510	0.004
2520	0.006
2530	0.008
2540	0.005
2550	0.006
2560	0.006
2570	0.006

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530104704
Firmware Version	3.5
Calibration Date	4/14/2017
Test Name	MANUAL_009
Test Start Time	9:20:22 AM
Test Start Date	6/12/2017
Test Length [D:H:M]	0:00:00
Test Interval [M:S]	0:10
Mass Average [mg/m3]	0.055
Mass Minimum [mg/m3]	0.053

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

Mass Maximum [mg/m3]	0.06
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	4

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
10	0.06		
20	0.054		
30	0.053		
40	0.054		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530104704
Firmware Version	3.5
Calibration Date	4/14/2017
Test Name	MANUAL_010
Test Start Time	9:23:57 AM
Test Start Date	6/12/2017
Test Length [D:H:M]	0:00:00
Test Interval [M:S]	0:10
Mass Average [mg/m3]	0.05
Mass Minimum [mg/m3]	0.05
Mass Maximum [mg/m3]	0.05
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	1

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
10	0.05		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530104704
Firmware Version	3.5
Calibration Date	4/14/2017
Test Name	MANUAL_011
Test Start Time	9:24:30 AM
Test Start Date	6/12/2017
Test Length [D:H:M]	0:05:00
Test Interval [M:S]	0:10
Mass Average [mg/m3]	0.043
Mass Minimum [mg/m3]	0.026
Mass Maximum [mg/m3]	0.133
Mass TWA [mg/m3]	0.027
Photometric User Cal	1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
Flow User Cal 0
Errors
Number of Samples 1800

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
10	0.05		
20	0.048		
30	0.049		
40	0.048		
50	0.048		
60	0.048		
70	0.047		
80	0.047		
90	0.047		
100	0.048		
110	0.048		
120	0.05		
130	0.053		
140	0.053		
150	0.052		
160	0.054		
170	0.049		
180	0.047		
190	0.048		
200	0.049		
210	0.048		
220	0.048		
230	0.048		
240	0.049		
250	0.049		
260	0.049		
270	0.048		
280	0.049		
290	0.049		
300	0.049		
310	0.051		
320	0.049		
330	0.049		
340	0.048		
350	0.048		
360	0.049		
370	0.049		
380	0.048		
390	0.049		
400	0.049		
410	0.048		
420	0.049		
430	0.051		

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

440	0.049
450	0.047
460	0.048
470	0.059
480	0.049
490	0.05
500	0.05
510	0.05
520	0.049
530	0.049
540	0.048
550	0.049
560	0.049
570	0.047
580	0.047
590	0.047
600	0.047
610	0.047
620	0.047
630	0.046
640	0.047
650	0.047
660	0.046
670	0.046
680	0.046
690	0.045
700	0.046
710	0.047
720	0.047
730	0.047
740	0.046
750	0.045
760	0.045
770	0.045
780	0.044
790	0.044
800	0.044
810	0.048
820	0.047
830	0.044
840	0.045
850	0.044
860	0.054
870	0.043
880	0.044
890	0.044
900	0.043
910	0.045

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

920	0.044
930	0.044
940	0.044
950	0.044
960	0.044
970	0.045
980	0.045
990	0.045
1000	0.044
1010	0.045
1020	0.046
1030	0.044
1040	0.045
1050	0.044
1060	0.044
1070	0.044
1080	0.044
1090	0.045
1100	0.045
1110	0.045
1120	0.045
1130	0.046
1140	0.044
1150	0.044
1160	0.044
1170	0.044
1180	0.044
1190	0.043
1200	0.043
1210	0.043
1220	0.047
1230	0.047
1240	0.048
1250	0.045
1260	0.043
1270	0.046
1280	0.042
1290	0.042
1300	0.042
1310	0.043
1320	0.042
1330	0.042
1340	0.041
1350	0.041
1360	0.041
1370	0.042
1380	0.043
1390	0.043

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

1400	0.043
1410	0.042
1420	0.043
1430	0.042
1440	0.042
1450	0.043
1460	0.043
1470	0.042
1480	0.044
1490	0.045
1500	0.045
1510	0.045
1520	0.044
1530	0.043
1540	0.042
1550	0.043
1560	0.043
1570	0.043
1580	0.045
1590	0.047
1600	0.05
1610	0.051
1620	0.05
1630	0.05
1640	0.051
1650	0.052
1660	0.053
1670	0.052
1680	0.056
1690	0.051
1700	0.049
1710	0.089
1720	0.051
1730	0.048
1740	0.044
1750	0.043
1760	0.048
1770	0.051
1780	0.051
1790	0.052
1800	0.052
1810	0.052
1820	0.051
1830	0.051
1840	0.052
1850	0.052
1860	0.051
1870	0.051

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

1880	0.051
1890	0.051
1900	0.051
1910	0.05
1920	0.051
1930	0.052
1940	0.051
1950	0.051
1960	0.05
1970	0.051
1980	0.051
1990	0.052
2000	0.053
2010	0.053
2020	0.054
2030	0.054
2040	0.053
2050	0.054
2060	0.054
2070	0.055
2080	0.055
2090	0.057
2100	0.057
2110	0.055
2120	0.055
2130	0.056
2140	0.055
2150	0.055
2160	0.055
2170	0.056
2180	0.056
2190	0.056
2200	0.056
2210	0.055
2220	0.055
2230	0.055
2240	0.056
2250	0.056
2260	0.055
2270	0.055
2280	0.056
2290	0.054
2300	0.056
2310	0.055
2320	0.055
2330	0.055
2340	0.055
2350	0.055

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

2360	0.055
2370	0.055
2380	0.055
2390	0.055
2400	0.055
2410	0.057
2420	0.056
2430	0.056
2440	0.055
2450	0.054
2460	0.055
2470	0.055
2480	0.054
2490	0.054
2500	0.055
2510	0.054
2520	0.055
2530	0.053
2540	0.054
2550	0.055
2560	0.056
2570	0.054
2580	0.054
2590	0.054
2600	0.054
2610	0.054
2620	0.053
2630	0.054
2640	0.054
2650	0.054
2660	0.055
2670	0.055
2680	0.054
2690	0.053
2700	0.054
2710	0.053
2720	0.054
2730	0.053
2740	0.054
2750	0.053
2760	0.054
2770	0.053
2780	0.053
2790	0.055
2800	0.054
2810	0.054
2820	0.054
2830	0.053

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

2840	0.054
2850	0.053
2860	0.053
2870	0.053
2880	0.053
2890	0.053
2900	0.053
2910	0.053
2920	0.053
2930	0.053
2940	0.054
2950	0.053
2960	0.054
2970	0.054
2980	0.054
2990	0.053
3000	0.054
3010	0.054
3020	0.055
3030	0.055
3040	0.054
3050	0.054
3060	0.056
3070	0.055
3080	0.054
3090	0.054
3100	0.055
3110	0.055
3120	0.055
3130	0.054
3140	0.053
3150	0.053
3160	0.055
3170	0.054
3180	0.055
3190	0.055
3200	0.055
3210	0.055
3220	0.054
3230	0.054
3240	0.055
3250	0.055
3260	0.055
3270	0.055
3280	0.055
3290	0.056
3300	0.055
3310	0.055

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

3320	0.055
3330	0.055
3340	0.056
3350	0.056
3360	0.056
3370	0.055
3380	0.055
3390	0.054
3400	0.055
3410	0.054
3420	0.054
3430	0.056
3440	0.054
3450	0.054
3460	0.055
3470	0.055
3480	0.056
3490	0.056
3500	0.056
3510	0.056
3520	0.057
3530	0.057
3540	0.056
3550	0.055
3560	0.056
3570	0.056
3580	0.056
3590	0.055
3600	0.056
3610	0.056
3620	0.056
3630	0.056
3640	0.056
3650	0.055
3660	0.056
3670	0.058
3680	0.057
3690	0.056
3700	0.056
3710	0.056
3720	0.056
3730	0.055
3740	0.056
3750	0.056
3760	0.056
3770	0.055
3780	0.055
3790	0.056

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

3800	0.057
3810	0.062
3820	0.062
3830	0.063
3840	0.062
3850	0.063
3860	0.063
3870	0.064
3880	0.065
3890	0.064
3900	0.063
3910	0.057
3920	0.056
3930	0.057
3940	0.056
3950	0.055
3960	0.055
3970	0.056
3980	0.055
3990	0.054
4000	0.057
4010	0.055
4020	0.056
4030	0.055
4040	0.055
4050	0.056
4060	0.056
4070	0.055
4080	0.056
4090	0.055
4100	0.055
4110	0.055
4120	0.055
4130	0.055
4140	0.054
4150	0.054
4160	0.054
4170	0.055
4180	0.056
4190	0.056
4200	0.056
4210	0.055
4220	0.054
4230	0.055
4240	0.056
4250	0.055
4260	0.056
4270	0.055

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

4280	0.056
4290	0.055
4300	0.055
4310	0.057
4320	0.054
4330	0.054
4340	0.054
4350	0.055
4360	0.054
4370	0.054
4380	0.054
4390	0.054
4400	0.056
4410	0.054
4420	0.055
4430	0.054
4440	0.054
4450	0.055
4460	0.055
4470	0.056
4480	0.055
4490	0.056
4500	0.056
4510	0.056
4520	0.054
4530	0.055
4540	0.055
4550	0.056
4560	0.054
4570	0.054
4580	0.055
4590	0.055
4600	0.055
4610	0.055
4620	0.055
4630	0.055
4640	0.055
4650	0.054
4660	0.054
4670	0.055
4680	0.055
4690	0.056
4700	0.055
4710	0.055
4720	0.055
4730	0.055
4740	0.057
4750	0.054

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

4760	0.054
4770	0.055
4780	0.056
4790	0.055
4800	0.055
4810	0.055
4820	0.055
4830	0.055
4840	0.055
4850	0.055
4860	0.056
4870	0.056
4880	0.055
4890	0.054
4900	0.055
4910	0.056
4920	0.055
4930	0.054
4940	0.054
4950	0.055
4960	0.055
4970	0.054
4980	0.055
4990	0.055
5000	0.054
5010	0.056
5020	0.055
5030	0.055
5040	0.055
5050	0.054
5060	0.055
5070	0.054
5080	0.054
5090	0.056
5100	0.055
5110	0.054
5120	0.054
5130	0.055
5140	0.055
5150	0.056
5160	0.056
5170	0.054
5180	0.056
5190	0.057
5200	0.055
5210	0.054
5220	0.055
5230	0.054

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

5240	0.055
5250	0.055
5260	0.055
5270	0.055
5280	0.055
5290	0.055
5300	0.054
5310	0.055
5320	0.054
5330	0.054
5340	0.054
5350	0.054
5360	0.054
5370	0.054
5380	0.055
5390	0.055
5400	0.055
5410	0.053
5420	0.055
5430	0.054
5440	0.055
5450	0.054
5460	0.054
5470	0.053
5480	0.054
5490	0.053
5500	0.054
5510	0.054
5520	0.053
5530	0.054
5540	0.055
5550	0.054
5560	0.054
5570	0.054
5580	0.053
5590	0.054
5600	0.054
5610	0.055
5620	0.058
5630	0.055
5640	0.055
5650	0.055
5660	0.054
5670	0.056
5680	0.054
5690	0.055
5700	0.056
5710	0.055

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

5720	0.054
5730	0.054
5740	0.056
5750	0.054
5760	0.053
5770	0.054
5780	0.053
5790	0.053
5800	0.054
5810	0.052
5820	0.054
5830	0.053
5840	0.054
5850	0.054
5860	0.054
5870	0.053
5880	0.053
5890	0.054
5900	0.053
5910	0.053
5920	0.052
5930	0.053
5940	0.053
5950	0.053
5960	0.052
5970	0.053
5980	0.053
5990	0.053
6000	0.052
6010	0.053
6020	0.053
6030	0.053
6040	0.052
6050	0.051
6060	0.052
6070	0.052
6080	0.052
6090	0.052
6100	0.052
6110	0.051
6120	0.052
6130	0.052
6140	0.054
6150	0.053
6160	0.053
6170	0.052
6180	0.052
6190	0.052

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

6200	0.051
6210	0.052
6220	0.052
6230	0.052
6240	0.052
6250	0.052
6260	0.052
6270	0.052
6280	0.051
6290	0.052
6300	0.052
6310	0.052
6320	0.053
6330	0.052
6340	0.051
6350	0.051
6360	0.051
6370	0.053
6380	0.051
6390	0.055
6400	0.051
6410	0.052
6420	0.051
6430	0.05
6440	0.05
6450	0.051
6460	0.052
6470	0.051
6480	0.051
6490	0.05
6500	0.133
6510	0.055
6520	0.053
6530	0.051
6540	0.05
6550	0.05
6560	0.05
6570	0.051
6580	0.051
6590	0.052
6600	0.05
6610	0.05
6620	0.05
6630	0.049
6640	0.049
6650	0.049
6660	0.05
6670	0.049

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

6680	0.049
6690	0.049
6700	0.049
6710	0.05
6720	0.05
6730	0.049
6740	0.05
6750	0.049
6760	0.049
6770	0.049
6780	0.054
6790	0.049
6800	0.049
6810	0.051
6820	0.051
6830	0.049
6840	0.048
6850	0.049
6860	0.049
6870	0.048
6880	0.049
6890	0.048
6900	0.05
6910	0.05
6920	0.049
6930	0.05
6940	0.052
6950	0.05
6960	0.05
6970	0.049
6980	0.049
6990	0.049
7000	0.048
7010	0.047
7020	0.048
7030	0.048
7040	0.047
7050	0.047
7060	0.047
7070	0.047
7080	0.048
7090	0.047
7100	0.047
7110	0.047
7120	0.047
7130	0.046
7140	0.047
7150	0.047

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

7160	0.047
7170	0.047
7180	0.047
7190	0.047
7200	0.046
7210	0.047
7220	0.046
7230	0.047
7240	0.047
7250	0.047
7260	0.046
7270	0.046
7280	0.045
7290	0.046
7300	0.045
7310	0.045
7320	0.046
7330	0.046
7340	0.046
7350	0.046
7360	0.046
7370	0.046
7380	0.045
7390	0.046
7400	0.045
7410	0.045
7420	0.045
7430	0.045
7440	0.045
7450	0.044
7460	0.045
7470	0.045
7480	0.046
7490	0.046
7500	0.045
7510	0.045
7520	0.046
7530	0.045
7540	0.047
7550	0.046
7560	0.046
7570	0.045
7580	0.044
7590	0.046
7600	0.046
7610	0.045
7620	0.044
7630	0.044

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

7640	0.045
7650	0.045
7660	0.045
7670	0.046
7680	0.044
7690	0.045
7700	0.045
7710	0.044
7720	0.044
7730	0.044
7740	0.044
7750	0.044
7760	0.043
7770	0.044
7780	0.044
7790	0.044
7800	0.044
7810	0.043
7820	0.043
7830	0.044
7840	0.044
7850	0.044
7860	0.044
7870	0.044
7880	0.043
7890	0.043
7900	0.044
7910	0.043
7920	0.044
7930	0.044
7940	0.044
7950	0.044
7960	0.045
7970	0.043
7980	0.043
7990	0.043
8000	0.043
8010	0.043
8020	0.042
8030	0.043
8040	0.042
8050	0.043
8060	0.043
8070	0.043
8080	0.043
8090	0.043
8100	0.042
8110	0.042

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

8120	0.043
8130	0.043
8140	0.042
8150	0.043
8160	0.043
8170	0.042
8180	0.044
8190	0.043
8200	0.042
8210	0.043
8220	0.042
8230	0.043
8240	0.043
8250	0.042
8260	0.043
8270	0.042
8280	0.042
8290	0.042
8300	0.041
8310	0.041
8320	0.042
8330	0.042
8340	0.042
8350	0.041
8360	0.043
8370	0.042
8380	0.041
8390	0.041
8400	0.041
8410	0.043
8420	0.041
8430	0.041
8440	0.041
8450	0.042
8460	0.042
8470	0.041
8480	0.041
8490	0.042
8500	0.041
8510	0.041
8520	0.041
8530	0.041
8540	0.042
8550	0.041
8560	0.042
8570	0.041
8580	0.042
8590	0.042

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

8600	0.042
8610	0.041
8620	0.041
8630	0.041
8640	0.041
8650	0.042
8660	0.042
8670	0.041
8680	0.041
8690	0.041
8700	0.041
8710	0.042
8720	0.041
8730	0.04
8740	0.042
8750	0.041
8760	0.041
8770	0.041
8780	0.041
8790	0.041
8800	0.041
8810	0.04
8820	0.041
8830	0.041
8840	0.041
8850	0.041
8860	0.041
8870	0.041
8880	0.041
8890	0.041
8900	0.042
8910	0.041
8920	0.04
8930	0.041
8940	0.041
8950	0.04
8960	0.04
8970	0.041
8980	0.041
8990	0.041
9000	0.041
9010	0.041
9020	0.07
9030	0.041
9040	0.04
9050	0.041
9060	0.054
9070	0.042

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

9080	0.041
9090	0.04
9100	0.04
9110	0.04
9120	0.04
9130	0.04
9140	0.04
9150	0.04
9160	0.04
9170	0.04
9180	0.041
9190	0.04
9200	0.04
9210	0.04
9220	0.041
9230	0.04
9240	0.041
9250	0.04
9260	0.04
9270	0.04
9280	0.039
9290	0.039
9300	0.04
9310	0.042
9320	0.04
9330	0.04
9340	0.039
9350	0.039
9360	0.039
9370	0.039
9380	0.039
9390	0.04
9400	0.04
9410	0.041
9420	0.04
9430	0.04
9440	0.04
9450	0.039
9460	0.039
9470	0.039
9480	0.039
9490	0.04
9500	0.039
9510	0.039
9520	0.038
9530	0.039
9540	0.039
9550	0.039

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

9560	0.038
9570	0.039
9580	0.039
9590	0.039
9600	0.038
9610	0.039
9620	0.038
9630	0.038
9640	0.038
9650	0.038
9660	0.039
9670	0.038
9680	0.038
9690	0.038
9700	0.038
9710	0.038
9720	0.038
9730	0.038
9740	0.038
9750	0.038
9760	0.038
9770	0.037
9780	0.037
9790	0.037
9800	0.037
9810	0.037
9820	0.037
9830	0.038
9840	0.037
9850	0.037
9860	0.037
9870	0.038
9880	0.038
9890	0.037
9900	0.037
9910	0.037
9920	0.038
9930	0.036
9940	0.038
9950	0.037
9960	0.038
9970	0.036
9980	0.037
9990	0.036
10000	0.035
10010	0.036
10020	0.036
10030	0.036

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

10040	0.036
10050	0.036
10060	0.035
10070	0.036
10080	0.036
10090	0.036
10100	0.036
10110	0.036
10120	0.037
10130	0.036
10140	0.036
10150	0.036
10160	0.036
10170	0.036
10180	0.037
10190	0.037
10200	0.036
10210	0.036
10220	0.036
10230	0.036
10240	0.036
10250	0.035
10260	0.035
10270	0.035
10280	0.036
10290	0.036
10300	0.036
10310	0.036
10320	0.036
10330	0.036
10340	0.035
10350	0.035
10360	0.035
10370	0.035
10380	0.035
10390	0.036
10400	0.035
10410	0.035
10420	0.035
10430	0.036
10440	0.035
10450	0.034
10460	0.034
10470	0.035
10480	0.035
10490	0.035
10500	0.034
10510	0.035

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

10520	0.035
10530	0.035
10540	0.035
10550	0.036
10560	0.037
10570	0.036
10580	0.035
10590	0.035
10600	0.034
10610	0.035
10620	0.035
10630	0.035
10640	0.035
10650	0.035
10660	0.035
10670	0.034
10680	0.035
10690	0.036
10700	0.036
10710	0.035
10720	0.035
10730	0.034
10740	0.035
10750	0.035
10760	0.035
10770	0.035
10780	0.035
10790	0.035
10800	0.035
10810	0.034
10820	0.035
10830	0.034
10840	0.035
10850	0.035
10860	0.035
10870	0.034
10880	0.035
10890	0.034
10900	0.034
10910	0.035
10920	0.035
10930	0.034
10940	0.035
10950	0.036
10960	0.034
10970	0.035
10980	0.034
10990	0.034

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

11000	0.035
11010	0.036
11020	0.034
11030	0.034
11040	0.034
11050	0.034
11060	0.035
11070	0.034
11080	0.034
11090	0.035
11100	0.034
11110	0.035
11120	0.034
11130	0.034
11140	0.035
11150	0.035
11160	0.034
11170	0.034
11180	0.035
11190	0.035
11200	0.034
11210	0.034
11220	0.034
11230	0.034
11240	0.034
11250	0.034
11260	0.035
11270	0.034
11280	0.033
11290	0.034
11300	0.034
11310	0.033
11320	0.034
11330	0.033
11340	0.033
11350	0.034
11360	0.033
11370	0.033
11380	0.033
11390	0.034
11400	0.034
11410	0.033
11420	0.033
11430	0.033
11440	0.034
11450	0.033
11460	0.033
11470	0.034

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

11480	0.034
11490	0.034
11500	0.033
11510	0.033
11520	0.033
11530	0.033
11540	0.033
11550	0.034
11560	0.034
11570	0.033
11580	0.034
11590	0.034
11600	0.033
11610	0.034
11620	0.033
11630	0.033
11640	0.034
11650	0.033
11660	0.034
11670	0.033
11680	0.033
11690	0.033
11700	0.034
11710	0.033
11720	0.034
11730	0.034
11740	0.034
11750	0.033
11760	0.033
11770	0.034
11780	0.032
11790	0.033
11800	0.034
11810	0.033
11820	0.033
11830	0.033
11840	0.033
11850	0.033
11860	0.033
11870	0.033
11880	0.033
11890	0.034
11900	0.032
11910	0.033
11920	0.033
11930	0.033
11940	0.033
11950	0.034

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

11960	0.033
11970	0.034
11980	0.034
11990	0.033
12000	0.033
12010	0.033
12020	0.033
12030	0.036
12040	0.033
12050	0.033
12060	0.033
12070	0.034
12080	0.033
12090	0.033
12100	0.034
12110	0.033
12120	0.033
12130	0.032
12140	0.033
12150	0.033
12160	0.033
12170	0.032
12180	0.032
12190	0.032
12200	0.033
12210	0.032
12220	0.032
12230	0.032
12240	0.032
12250	0.032
12260	0.032
12270	0.032
12280	0.032
12290	0.032
12300	0.032
12310	0.032
12320	0.032
12330	0.032
12340	0.033
12350	0.031
12360	0.032
12370	0.032
12380	0.032
12390	0.032
12400	0.032
12410	0.032
12420	0.032
12430	0.032

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

12440	0.032
12450	0.031
12460	0.032
12470	0.032
12480	0.032
12490	0.032
12500	0.033
12510	0.033
12520	0.032
12530	0.033
12540	0.032
12550	0.032
12560	0.032
12570	0.033
12580	0.033
12590	0.033
12600	0.033
12610	0.034
12620	0.034
12630	0.034
12640	0.034
12650	0.034
12660	0.034
12670	0.034
12680	0.033
12690	0.033
12700	0.034
12710	0.034
12720	0.033
12730	0.033
12740	0.034
12750	0.034
12760	0.034
12770	0.034
12780	0.034
12790	0.035
12800	0.036
12810	0.034
12820	0.034
12830	0.034
12840	0.034
12850	0.034
12860	0.034
12870	0.034
12880	0.034
12890	0.034
12900	0.034
12910	0.034

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

12920	0.034
12930	0.035
12940	0.035
12950	0.034
12960	0.034
12970	0.034
12980	0.034
12990	0.035
13000	0.035
13010	0.035
13020	0.036
13030	0.035
13040	0.037
13050	0.035
13060	0.036
13070	0.035
13080	0.037
13090	0.036
13100	0.037
13110	0.04
13120	0.042
13130	0.042
13140	0.042
13150	0.043
13160	0.043
13170	0.044
13180	0.042
13190	0.037
13200	0.041
13210	0.045
13220	0.045
13230	0.047
13240	0.047
13250	0.047
13260	0.045
13270	0.046
13280	0.046
13290	0.046
13300	0.046
13310	0.046
13320	0.047
13330	0.045
13340	0.044
13350	0.04
13360	0.041
13370	0.039
13380	0.034
13390	0.034

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

13400	0.031
13410	0.032
13420	0.031
13430	0.032
13440	0.032
13450	0.033
13460	0.041
13470	0.043
13480	0.04
13490	0.041
13500	0.043
13510	0.045
13520	0.045
13530	0.045
13540	0.044
13550	0.04
13560	0.04
13570	0.039
13580	0.035
13590	0.035
13600	0.036
13610	0.035
13620	0.035
13630	0.036
13640	0.037
13650	0.039
13660	0.043
13670	0.047
13680	0.047
13690	0.048
13700	0.047
13710	0.047
13720	0.048
13730	0.046
13740	0.047
13750	0.047
13760	0.048
13770	0.047
13780	0.048
13790	0.047
13800	0.048
13810	0.047
13820	0.046
13830	0.046
13840	0.047
13850	0.047
13860	0.046
13870	0.047

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

13880	0.047
13890	0.048
13900	0.047
13910	0.047
13920	0.046
13930	0.045
13940	0.045
13950	0.046
13960	0.047
13970	0.046
13980	0.046
13990	0.046
14000	0.047
14010	0.046
14020	0.048
14030	0.046
14040	0.046
14050	0.046
14060	0.046
14070	0.047
14080	0.047
14090	0.046
14100	0.046
14110	0.044
14120	0.043
14130	0.043
14140	0.043
14150	0.042
14160	0.042
14170	0.043
14180	0.043
14190	0.042
14200	0.043
14210	0.042
14220	0.039
14230	0.04
14240	0.042
14250	0.041
14260	0.042
14270	0.042
14280	0.041
14290	0.039
14300	0.039
14310	0.042
14320	0.041
14330	0.039
14340	0.039
14350	0.042

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

14360	0.041
14370	0.039
14380	0.042
14390	0.041
14400	0.042
14410	0.04
14420	0.039
14430	0.038
14440	0.038
14450	0.038
14460	0.038
14470	0.04
14480	0.039
14490	0.039
14500	0.039
14510	0.04
14520	0.044
14530	0.043
14540	0.044
14550	0.044
14560	0.045
14570	0.045
14580	0.043
14590	0.039
14600	0.036
14610	0.038
14620	0.038
14630	0.039
14640	0.04
14650	0.04
14660	0.041
14670	0.04
14680	0.04
14690	0.041
14700	0.041
14710	0.041
14720	0.04
14730	0.042
14740	0.042
14750	0.041
14760	0.041
14770	0.041
14780	0.038
14790	0.041
14800	0.041
14810	0.043
14820	0.044
14830	0.044

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

14840	0.044
14850	0.044
14860	0.044
14870	0.043
14880	0.044
14890	0.042
14900	0.042
14910	0.041
14920	0.042
14930	0.041
14940	0.042
14950	0.042
14960	0.043
14970	0.043
14980	0.043
14990	0.043
15000	0.043
15010	0.042
15020	0.043
15030	0.043
15040	0.041
15050	0.04
15060	0.039
15070	0.039
15080	0.039
15090	0.04
15100	0.04
15110	0.038
15120	0.037
15130	0.037
15140	0.041
15150	0.043
15160	0.04
15170	0.039
15180	0.038
15190	0.038
15200	0.039
15210	0.041
15220	0.04
15230	0.045
15240	0.044
15250	0.041
15260	0.043
15270	0.038
15280	0.039
15290	0.037
15300	0.037
15310	0.036

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

15320	0.038
15330	0.036
15340	0.036
15350	0.037
15360	0.035
15370	0.035
15380	0.037
15390	0.036
15400	0.037
15410	0.036
15420	0.036
15430	0.034
15440	0.035
15450	0.036
15460	0.035
15470	0.036
15480	0.036
15490	0.036
15500	0.036
15510	0.036
15520	0.035
15530	0.035
15540	0.037
15550	0.036
15560	0.036
15570	0.037
15580	0.035
15590	0.036
15600	0.036
15610	0.036
15620	0.035
15630	0.035
15640	0.036
15650	0.035
15660	0.034
15670	0.032
15680	0.032
15690	0.033
15700	0.033
15710	0.034
15720	0.036
15730	0.033
15740	0.033
15750	0.031
15760	0.03
15770	0.03
15780	0.031
15790	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

15800	0.03
15810	0.03
15820	0.029
15830	0.029
15840	0.028
15850	0.029
15860	0.028
15870	0.028
15880	0.028
15890	0.027
15900	0.027
15910	0.028
15920	0.028
15930	0.028
15940	0.027
15950	0.027
15960	0.027
15970	0.028
15980	0.028
15990	0.027
16000	0.027
16010	0.028
16020	0.027
16030	0.027
16040	0.028
16050	0.027
16060	0.027
16070	0.027
16080	0.027
16090	0.028
16100	0.027
16110	0.027
16120	0.027
16130	0.028
16140	0.027
16150	0.026
16160	0.028
16170	0.026
16180	0.027
16190	0.027
16200	0.027
16210	0.027
16220	0.026
16230	0.027
16240	0.027
16250	0.027
16260	0.026
16270	0.027

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

16280	0.026
16290	0.027
16300	0.026
16310	0.027
16320	0.027
16330	0.026
16340	0.027
16350	0.028
16360	0.028
16370	0.027
16380	0.027
16390	0.028
16400	0.027
16410	0.027
16420	0.027
16430	0.027
16440	0.027
16450	0.027
16460	0.027
16470	0.027
16480	0.029
16490	0.029
16500	0.028
16510	0.029
16520	0.029
16530	0.029
16540	0.029
16550	0.029
16560	0.028
16570	0.028
16580	0.029
16590	0.029
16600	0.029
16610	0.029
16620	0.029
16630	0.028
16640	0.029
16650	0.029
16660	0.029
16670	0.028
16680	0.029
16690	0.028
16700	0.029
16710	0.03
16720	0.028
16730	0.028
16740	0.028
16750	0.029

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

16760	0.028
16770	0.029
16780	0.03
16790	0.03
16800	0.03
16810	0.03
16820	0.03
16830	0.031
16840	0.03
16850	0.029
16860	0.03
16870	0.029
16880	0.029
16890	0.028
16900	0.028
16910	0.028
16920	0.027
16930	0.027
16940	0.027
16950	0.027
16960	0.027
16970	0.028
16980	0.029
16990	0.029
17000	0.029
17010	0.03
17020	0.03
17030	0.029
17040	0.03
17050	0.028
17060	0.028
17070	0.028
17080	0.027
17090	0.028
17100	0.029
17110	0.029
17120	0.03
17130	0.03
17140	0.03
17150	0.031
17160	0.03
17170	0.03
17180	0.03
17190	0.03
17200	0.03
17210	0.03
17220	0.03
17230	0.031

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

17240	0.031
17250	0.031
17260	0.031
17270	0.032
17280	0.032
17290	0.032
17300	0.033
17310	0.033
17320	0.033
17330	0.033
17340	0.036
17350	0.033
17360	0.033
17370	0.033
17380	0.032
17390	0.032
17400	0.032
17410	0.031
17420	0.031
17430	0.031
17440	0.031
17450	0.033
17460	0.031
17470	0.03
17480	0.031
17490	0.03
17500	0.03
17510	0.03
17520	0.031
17530	0.031
17540	0.031
17550	0.031
17560	0.032
17570	0.032
17580	0.032
17590	0.031
17600	0.031
17610	0.032
17620	0.031
17630	0.032
17640	0.032
17650	0.032
17660	0.032
17670	0.031
17680	0.032
17690	0.031
17700	0.032
17710	0.033

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

17720	0.033
17730	0.033
17740	0.033
17750	0.033
17760	0.033
17770	0.034
17780	0.034
17790	0.036
17800	0.035
17810	0.035
17820	0.035
17830	0.035
17840	0.036
17850	0.036
17860	0.036
17870	0.036
17880	0.035
17890	0.035
17900	0.036
17910	0.037
17920	0.037
17930	0.037
17940	0.04
17950	0.039
17960	0.039
17970	0.04
17980	0.04
17990	0.039
18000	0.043

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530104704
Firmware Version	3.5
Calibration Date	4/14/2017
Test Name	MANUAL_012
Test Start Time	4:37:26 PM
Test Start Date	6/12/2017
Test Length [D:H:M]	0:00:00
Test Interval [M:S]	0:10
Mass Average [mg/m3]	0.003
Mass Minimum [mg/m3]	0.003
Mass Maximum [mg/m3]	0.003
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
10	0.003		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530104704
Firmware Version	3.5
Calibration Date	4/14/2017
Test Name	MANUAL_013
Test Start Time	7:55:05 AM
Test Start Date	6/13/2017
Test Length [D:H:M]	0:00:00
Test Interval [M:S]	0:10
Mass Average [mg/m3]	0.063
Mass Minimum [mg/m3]	0.056
Mass Maximum [mg/m3]	0.067
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	5

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
10	0.056		
20	0.061		
30	0.065		
40	0.065		
50	0.067		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530104704
Firmware Version	3.5
Calibration Date	4/14/2017
Test Name	MANUAL_014
Test Start Time	7:57:40 AM
Test Start Date	6/13/2017
Test Length [D:H:M]	0:04:47
Test Interval [M:S]	0:10
Mass Average [mg/m3]	0.053
Mass Minimum [mg/m3]	0.04
Mass Maximum [mg/m3]	0.157
Mass TWA [mg/m3]	0.032
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	1723

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
10	0.072		

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

20	0.073
30	0.074
40	0.071
50	0.07
60	0.113
70	0.065
80	0.063
90	0.063
100	0.062
110	0.063
120	0.062
130	0.068
140	0.068
150	0.068
160	0.07
170	0.091
180	0.066
190	0.062
200	0.06
210	0.06
220	0.059
230	0.059
240	0.059
250	0.058
260	0.06
270	0.06
280	0.06
290	0.06
300	0.059
310	0.06
320	0.06
330	0.06
340	0.059
350	0.059
360	0.06
370	0.069
380	0.074
390	0.067
400	0.061
410	0.059
420	0.06
430	0.06
440	0.059
450	0.058
460	0.06
470	0.058
480	0.058
490	0.058

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

500	0.058
510	0.058
520	0.058
530	0.058
540	0.058
550	0.059
560	0.059
570	0.059
580	0.058
590	0.058
600	0.058
610	0.058
620	0.058
630	0.059
640	0.059
650	0.058
660	0.058
670	0.058
680	0.058
690	0.059
700	0.058
710	0.057
720	0.057
730	0.057
740	0.058
750	0.057
760	0.057
770	0.057
780	0.058
790	0.058
800	0.057
810	0.057
820	0.057
830	0.057
840	0.058
850	0.058
860	0.057
870	0.058
880	0.057
890	0.057
900	0.059
910	0.059
920	0.06
930	0.058
940	0.059
950	0.058
960	0.058
970	0.057

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

980	0.057
990	0.057
1000	0.057
1010	0.058
1020	0.057
1030	0.057
1040	0.057
1050	0.058
1060	0.058
1070	0.057
1080	0.057
1090	0.057
1100	0.058
1110	0.061
1120	0.061
1130	0.061
1140	0.06
1150	0.06
1160	0.06
1170	0.058
1180	0.057
1190	0.057
1200	0.057
1210	0.058
1220	0.059
1230	0.058
1240	0.059
1250	0.059
1260	0.059
1270	0.061
1280	0.06
1290	0.061
1300	0.06
1310	0.061
1320	0.059
1330	0.059
1340	0.059
1350	0.059
1360	0.059
1370	0.06
1380	0.06
1390	0.06
1400	0.06
1410	0.059
1420	0.059
1430	0.059
1440	0.059
1450	0.06

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

1460	0.059
1470	0.06
1480	0.06
1490	0.061
1500	0.061
1510	0.06
1520	0.061
1530	0.061
1540	0.059
1550	0.06
1560	0.059
1570	0.059
1580	0.059
1590	0.059
1600	0.059
1610	0.059
1620	0.059
1630	0.06
1640	0.059
1650	0.059
1660	0.059
1670	0.058
1680	0.058
1690	0.059
1700	0.059
1710	0.058
1720	0.058
1730	0.059
1740	0.058
1750	0.058
1760	0.059
1770	0.059
1780	0.059
1790	0.059
1800	0.06
1810	0.063
1820	0.061
1830	0.059
1840	0.059
1850	0.06
1860	0.059
1870	0.059
1880	0.059
1890	0.059
1900	0.059
1910	0.059
1920	0.059
1930	0.058

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

1940	0.058
1950	0.058
1960	0.06
1970	0.06
1980	0.06
1990	0.061
2000	0.06
2010	0.06
2020	0.06
2030	0.06
2040	0.059
2050	0.059
2060	0.059
2070	0.06
2080	0.059
2090	0.06
2100	0.06
2110	0.06
2120	0.06
2130	0.059
2140	0.06
2150	0.06
2160	0.059
2170	0.06
2180	0.058
2190	0.058
2200	0.058
2210	0.058
2220	0.058
2230	0.058
2240	0.058
2250	0.058
2260	0.059
2270	0.059
2280	0.058
2290	0.057
2300	0.057
2310	0.058
2320	0.059
2330	0.059
2340	0.059
2350	0.06
2360	0.058
2370	0.06
2380	0.059
2390	0.058
2400	0.058
2410	0.058

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

2420	0.059
2430	0.059
2440	0.059
2450	0.06
2460	0.06
2470	0.059
2480	0.059
2490	0.058
2500	0.059
2510	0.06
2520	0.059
2530	0.059
2540	0.059
2550	0.06
2560	0.058
2570	0.06
2580	0.058
2590	0.058
2600	0.059
2610	0.059
2620	0.059
2630	0.059
2640	0.059
2650	0.06
2660	0.059
2670	0.058
2680	0.058
2690	0.059
2700	0.058
2710	0.059
2720	0.059
2730	0.06
2740	0.059
2750	0.059
2760	0.059
2770	0.058
2780	0.059
2790	0.059
2800	0.059
2810	0.058
2820	0.06
2830	0.059
2840	0.059
2850	0.059
2860	0.059
2870	0.06
2880	0.059
2890	0.059

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

2900	0.059
2910	0.06
2920	0.059
2930	0.059
2940	0.06
2950	0.059
2960	0.06
2970	0.06
2980	0.059
2990	0.059
3000	0.059
3010	0.059
3020	0.059
3030	0.059
3040	0.059
3050	0.059
3060	0.059
3070	0.059
3080	0.059
3090	0.059
3100	0.059
3110	0.059
3120	0.059
3130	0.06
3140	0.061
3150	0.06
3160	0.06
3170	0.06
3180	0.059
3190	0.06
3200	0.059
3210	0.059
3220	0.059
3230	0.059
3240	0.059
3250	0.06
3260	0.059
3270	0.059
3280	0.059
3290	0.059
3300	0.059
3310	0.059
3320	0.059
3330	0.06
3340	0.059
3350	0.059
3360	0.059
3370	0.059

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

3380	0.059
3390	0.058
3400	0.058
3410	0.059
3420	0.058
3430	0.059
3440	0.058
3450	0.058
3460	0.058
3470	0.058
3480	0.058
3490	0.058
3500	0.059
3510	0.059
3520	0.06
3530	0.058
3540	0.06
3550	0.059
3560	0.059
3570	0.058
3580	0.058
3590	0.058
3600	0.059
3610	0.058
3620	0.059
3630	0.059
3640	0.058
3650	0.059
3660	0.059
3670	0.059
3680	0.058
3690	0.058
3700	0.059
3710	0.058
3720	0.058
3730	0.058
3740	0.058
3750	0.058
3760	0.059
3770	0.058
3780	0.057
3790	0.058
3800	0.058
3810	0.06
3820	0.06
3830	0.059
3840	0.059
3850	0.059

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

3860	0.06
3870	0.06
3880	0.059
3890	0.059
3900	0.06
3910	0.059
3920	0.059
3930	0.058
3940	0.058
3950	0.058
3960	0.058
3970	0.058
3980	0.058
3990	0.058
4000	0.059
4010	0.058
4020	0.06
4030	0.059
4040	0.06
4050	0.06
4060	0.06
4070	0.059
4080	0.059
4090	0.059
4100	0.059
4110	0.059
4120	0.059
4130	0.06
4140	0.059
4150	0.059
4160	0.059
4170	0.059
4180	0.059
4190	0.058
4200	0.058
4210	0.057
4220	0.058
4230	0.058
4240	0.059
4250	0.059
4260	0.06
4270	0.058
4280	0.059
4290	0.059
4300	0.058
4310	0.059
4320	0.058
4330	0.059

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

4340	0.06
4350	0.059
4360	0.059
4370	0.059
4380	0.058
4390	0.057
4400	0.058
4410	0.059
4420	0.058
4430	0.058
4440	0.058
4450	0.058
4460	0.059
4470	0.058
4480	0.058
4490	0.059
4500	0.059
4510	0.058
4520	0.058
4530	0.058
4540	0.059
4550	0.058
4560	0.058
4570	0.058
4580	0.059
4590	0.059
4600	0.059
4610	0.06
4620	0.059
4630	0.059
4640	0.059
4650	0.059
4660	0.057
4670	0.058
4680	0.058
4690	0.057
4700	0.056
4710	0.057
4720	0.057
4730	0.062
4740	0.063
4750	0.064
4760	0.059
4770	0.058
4780	0.057
4790	0.058
4800	0.058
4810	0.058

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

4820	0.057
4830	0.057
4840	0.057
4850	0.057
4860	0.058
4870	0.058
4880	0.058
4890	0.058
4900	0.057
4910	0.057
4920	0.056
4930	0.057
4940	0.057
4950	0.057
4960	0.057
4970	0.057
4980	0.057
4990	0.057
5000	0.057
5010	0.057
5020	0.057
5030	0.057
5040	0.058
5050	0.057
5060	0.057
5070	0.058
5080	0.057
5090	0.058
5100	0.059
5110	0.058
5120	0.058
5130	0.057
5140	0.057
5150	0.057
5160	0.057
5170	0.057
5180	0.056
5190	0.057
5200	0.056
5210	0.057
5220	0.057
5230	0.057
5240	0.058
5250	0.057
5260	0.058
5270	0.057
5280	0.057
5290	0.057

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

5300	0.057
5310	0.059
5320	0.058
5330	0.057
5340	0.058
5350	0.057
5360	0.059
5370	0.057
5380	0.058
5390	0.058
5400	0.057
5410	0.058
5420	0.058
5430	0.058
5440	0.058
5450	0.059
5460	0.058
5470	0.058
5480	0.057
5490	0.058
5500	0.058
5510	0.058
5520	0.057
5530	0.057
5540	0.057
5550	0.057
5560	0.057
5570	0.057
5580	0.057
5590	0.056
5600	0.057
5610	0.056
5620	0.056
5630	0.057
5640	0.056
5650	0.056
5660	0.058
5670	0.057
5680	0.057
5690	0.057
5700	0.057
5710	0.057
5720	0.058
5730	0.057
5740	0.057
5750	0.057
5760	0.057
5770	0.057

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

5780	0.057
5790	0.057
5800	0.058
5810	0.057
5820	0.057
5830	0.057
5840	0.057
5850	0.057
5860	0.057
5870	0.057
5880	0.056
5890	0.057
5900	0.057
5910	0.057
5920	0.057
5930	0.057
5940	0.057
5950	0.056
5960	0.056
5970	0.056
5980	0.057
5990	0.057
6000	0.056
6010	0.057
6020	0.057
6030	0.058
6040	0.056
6050	0.056
6060	0.057
6070	0.057
6080	0.057
6090	0.057
6100	0.057
6110	0.056
6120	0.056
6130	0.056
6140	0.056
6150	0.055
6160	0.056
6170	0.056
6180	0.057
6190	0.058
6200	0.056
6210	0.056
6220	0.056
6230	0.056
6240	0.056
6250	0.057

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

6260	0.056
6270	0.055
6280	0.057
6290	0.057
6300	0.056
6310	0.056
6320	0.056
6330	0.057
6340	0.056
6350	0.056
6360	0.056
6370	0.056
6380	0.057
6390	0.056
6400	0.056
6410	0.056
6420	0.055
6430	0.055
6440	0.055
6450	0.056
6460	0.056
6470	0.057
6480	0.055
6490	0.057
6500	0.055
6510	0.055
6520	0.055
6530	0.056
6540	0.055
6550	0.055
6560	0.056
6570	0.055
6580	0.055
6590	0.056
6600	0.056
6610	0.055
6620	0.055
6630	0.055
6640	0.056
6650	0.056
6660	0.055
6670	0.055
6680	0.055
6690	0.055
6700	0.055
6710	0.059
6720	0.055
6730	0.055

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

6740	0.056
6750	0.055
6760	0.054
6770	0.055
6780	0.055
6790	0.054
6800	0.055
6810	0.056
6820	0.055
6830	0.056
6840	0.056
6850	0.057
6860	0.055
6870	0.056
6880	0.055
6890	0.055
6900	0.057
6910	0.056
6920	0.056
6930	0.057
6940	0.056
6950	0.055
6960	0.055
6970	0.055
6980	0.056
6990	0.056
7000	0.056
7010	0.057
7020	0.056
7030	0.056
7040	0.057
7050	0.056
7060	0.056
7070	0.056
7080	0.056
7090	0.057
7100	0.057
7110	0.056
7120	0.056
7130	0.058
7140	0.057
7150	0.056
7160	0.058
7170	0.056
7180	0.056
7190	0.058
7200	0.057
7210	0.057

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

7220	0.056
7230	0.056
7240	0.056
7250	0.056
7260	0.056
7270	0.056
7280	0.056
7290	0.056
7300	0.056
7310	0.055
7320	0.056
7330	0.056
7340	0.056
7350	0.055
7360	0.055
7370	0.055
7380	0.055
7390	0.056
7400	0.056
7410	0.055
7420	0.055
7430	0.056
7440	0.055
7450	0.056
7460	0.055
7470	0.055
7480	0.056
7490	0.055
7500	0.056
7510	0.056
7520	0.056
7530	0.055
7540	0.056
7550	0.055
7560	0.055
7570	0.055
7580	0.055
7590	0.055
7600	0.055
7610	0.055
7620	0.055
7630	0.055
7640	0.054
7650	0.054
7660	0.054
7670	0.055
7680	0.054
7690	0.055

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

7700	0.054
7710	0.055
7720	0.054
7730	0.055
7740	0.054
7750	0.054
7760	0.054
7770	0.054
7780	0.054
7790	0.054
7800	0.054
7810	0.053
7820	0.054
7830	0.054
7840	0.054
7850	0.053
7860	0.054
7870	0.053
7880	0.053
7890	0.053
7900	0.054
7910	0.054
7920	0.055
7930	0.052
7940	0.053
7950	0.052
7960	0.052
7970	0.054
7980	0.053
7990	0.053
8000	0.053
8010	0.053
8020	0.054
8030	0.054
8040	0.054
8050	0.055
8060	0.054
8070	0.054
8080	0.053
8090	0.053
8100	0.053
8110	0.053
8120	0.053
8130	0.053
8140	0.053
8150	0.053
8160	0.053
8170	0.053

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

8180	0.053
8190	0.054
8200	0.054
8210	0.053
8220	0.053
8230	0.053
8240	0.053
8250	0.053
8260	0.053
8270	0.053
8280	0.053
8290	0.053
8300	0.054
8310	0.053
8320	0.052
8330	0.053
8340	0.053
8350	0.078
8360	0.059
8370	0.054
8380	0.053
8390	0.053
8400	0.052
8410	0.053
8420	0.054
8430	0.054
8440	0.054
8450	0.055
8460	0.054
8470	0.054
8480	0.054
8490	0.053
8500	0.054
8510	0.054
8520	0.053
8530	0.054
8540	0.054
8550	0.053
8560	0.053
8570	0.052
8580	0.053
8590	0.053
8600	0.053
8610	0.053
8620	0.053
8630	0.052
8640	0.052
8650	0.053

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

8660	0.053
8670	0.052
8680	0.052
8690	0.051
8700	0.053
8710	0.052
8720	0.053
8730	0.054
8740	0.054
8750	0.054
8760	0.054
8770	0.053
8780	0.053
8790	0.053
8800	0.053
8810	0.054
8820	0.053
8830	0.052
8840	0.052
8850	0.054
8860	0.052
8870	0.053
8880	0.056
8890	0.055
8900	0.053
8910	0.053
8920	0.053
8930	0.052
8940	0.052
8950	0.052
8960	0.051
8970	0.051
8980	0.052
8990	0.051
9000	0.051
9010	0.051
9020	0.052
9030	0.052
9040	0.053
9050	0.052
9060	0.051
9070	0.052
9080	0.051
9090	0.053
9100	0.052
9110	0.051
9120	0.05
9130	0.051

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

9140	0.051
9150	0.051
9160	0.052
9170	0.05
9180	0.051
9190	0.051
9200	0.05
9210	0.05
9220	0.05
9230	0.05
9240	0.05
9250	0.05
9260	0.05
9270	0.05
9280	0.051
9290	0.051
9300	0.052
9310	0.052
9320	0.051
9330	0.051
9340	0.05
9350	0.051
9360	0.051
9370	0.051
9380	0.051
9390	0.05
9400	0.05
9410	0.049
9420	0.05
9430	0.05
9440	0.05
9450	0.049
9460	0.05
9470	0.049
9480	0.05
9490	0.05
9500	0.05
9510	0.049
9520	0.049
9530	0.049
9540	0.049
9550	0.049
9560	0.048
9570	0.048
9580	0.049
9590	0.049
9600	0.05
9610	0.048

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

9620	0.048
9630	0.052
9640	0.055
9650	0.05
9660	0.049
9670	0.048
9680	0.048
9690	0.048
9700	0.046
9710	0.047
9720	0.047
9730	0.046
9740	0.046
9750	0.046
9760	0.046
9770	0.045
9780	0.045
9790	0.045
9800	0.046
9810	0.048
9820	0.049
9830	0.089
9840	0.157
9850	0.097
9860	0.079
9870	0.063
9880	0.054
9890	0.048
9900	0.047
9910	0.047
9920	0.047
9930	0.046
9940	0.046
9950	0.046
9960	0.047
9970	0.047
9980	0.045
9990	0.046
10000	0.046
10010	0.046
10020	0.047
10030	0.046
10040	0.046
10050	0.046
10060	0.046
10070	0.045
10080	0.046
10090	0.045

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

10100	0.044
10110	0.045
10120	0.044
10130	0.046
10140	0.047
10150	0.047
10160	0.045
10170	0.046
10180	0.045
10190	0.044
10200	0.044
10210	0.045
10220	0.045
10230	0.045
10240	0.044
10250	0.044
10260	0.045
10270	0.044
10280	0.045
10290	0.045
10300	0.045
10310	0.045
10320	0.046
10330	0.045
10340	0.044
10350	0.045
10360	0.044
10370	0.045
10380	0.045
10390	0.045
10400	0.045
10410	0.047
10420	0.045
10430	0.045
10440	0.046
10450	0.045
10460	0.045
10470	0.045
10480	0.044
10490	0.045
10500	0.045
10510	0.044
10520	0.045
10530	0.046
10540	0.044
10550	0.044
10560	0.046
10570	0.046

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

10580	0.045
10590	0.046
10600	0.045
10610	0.045
10620	0.045
10630	0.044
10640	0.045
10650	0.045
10660	0.045
10670	0.044
10680	0.045
10690	0.045
10700	0.045
10710	0.045
10720	0.045
10730	0.045
10740	0.044
10750	0.044
10760	0.044
10770	0.044
10780	0.043
10790	0.045
10800	0.044
10810	0.044
10820	0.044
10830	0.044
10840	0.044
10850	0.044
10860	0.044
10870	0.044
10880	0.043
10890	0.044
10900	0.043
10910	0.044
10920	0.044
10930	0.044
10940	0.044
10950	0.044
10960	0.044
10970	0.043
10980	0.044
10990	0.044
11000	0.044
11010	0.044
11020	0.043
11030	0.043
11040	0.044
11050	0.043

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

11060	0.043
11070	0.045
11080	0.043
11090	0.044
11100	0.044
11110	0.043
11120	0.045
11130	0.044
11140	0.044
11150	0.044
11160	0.043
11170	0.044
11180	0.043
11190	0.043
11200	0.044
11210	0.043
11220	0.043
11230	0.044
11240	0.044
11250	0.043
11260	0.043
11270	0.044
11280	0.043
11290	0.042
11300	0.043
11310	0.043
11320	0.043
11330	0.044
11340	0.043
11350	0.044
11360	0.043
11370	0.043
11380	0.043
11390	0.044
11400	0.044
11410	0.043
11420	0.043
11430	0.043
11440	0.042
11450	0.042
11460	0.043
11470	0.043
11480	0.043
11490	0.042
11500	0.043
11510	0.042
11520	0.042
11530	0.042

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

11540	0.042
11550	0.042
11560	0.042
11570	0.042
11580	0.043
11590	0.042
11600	0.042
11610	0.042
11620	0.043
11630	0.042
11640	0.042
11650	0.041
11660	0.043
11670	0.042
11680	0.041
11690	0.042
11700	0.042
11710	0.041
11720	0.041
11730	0.041
11740	0.041
11750	0.042
11760	0.043
11770	0.042
11780	0.041
11790	0.042
11800	0.042
11810	0.041
11820	0.041
11830	0.042
11840	0.041
11850	0.041
11860	0.042
11870	0.042
11880	0.041
11890	0.042
11900	0.041
11910	0.041
11920	0.041
11930	0.042
11940	0.041
11950	0.043
11960	0.041
11970	0.041
11980	0.04
11990	0.041
12000	0.041
12010	0.041

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

12020	0.041
12030	0.043
12040	0.04
12050	0.041
12060	0.041
12070	0.046
12080	0.042
12090	0.042
12100	0.041
12110	0.041
12120	0.042
12130	0.043
12140	0.043
12150	0.043
12160	0.042
12170	0.043
12180	0.042
12190	0.043
12200	0.042
12210	0.043
12220	0.044
12230	0.044
12240	0.042
12250	0.044
12260	0.042
12270	0.042
12280	0.041
12290	0.041
12300	0.042
12310	0.042
12320	0.041
12330	0.042
12340	0.042
12350	0.042
12360	0.042
12370	0.042
12380	0.042
12390	0.042
12400	0.042
12410	0.042
12420	0.042
12430	0.043
12440	0.044
12450	0.042
12460	0.043
12470	0.044
12480	0.043
12490	0.042

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

12500	0.044
12510	0.047
12520	0.045
12530	0.046
12540	0.049
12550	0.046
12560	0.05
12570	0.048
12580	0.051
12590	0.051
12600	0.051
12610	0.051
12620	0.051
12630	0.051
12640	0.052
12650	0.052
12660	0.053
12670	0.051
12680	0.05
12690	0.052
12700	0.05
12710	0.051
12720	0.05
12730	0.05
12740	0.05
12750	0.051
12760	0.052
12770	0.051
12780	0.051
12790	0.052
12800	0.052
12810	0.052
12820	0.053
12830	0.051
12840	0.052
12850	0.053
12860	0.053
12870	0.052
12880	0.052
12890	0.053
12900	0.052
12910	0.052
12920	0.052
12930	0.052
12940	0.052
12950	0.052
12960	0.053
12970	0.052

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

12980	0.051
12990	0.051
13000	0.052
13010	0.051
13020	0.052
13030	0.051
13040	0.053
13050	0.05
13060	0.05
13070	0.049
13080	0.05
13090	0.05
13100	0.049
13110	0.049
13120	0.05
13130	0.048
13140	0.049
13150	0.048
13160	0.048
13170	0.049
13180	0.048
13190	0.05
13200	0.066
13210	0.052
13220	0.05
13230	0.049
13240	0.05
13250	0.049
13260	0.048
13270	0.048
13280	0.048
13290	0.048
13300	0.048
13310	0.048
13320	0.047
13330	0.049
13340	0.048
13350	0.048
13360	0.048
13370	0.047
13380	0.048
13390	0.051
13400	0.05
13410	0.049
13420	0.05
13430	0.051
13440	0.049
13450	0.051

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

13460	0.05
13470	0.052
13480	0.051
13490	0.05
13500	0.051
13510	0.049
13520	0.049
13530	0.048
13540	0.049
13550	0.048
13560	0.048
13570	0.049
13580	0.048
13590	0.049
13600	0.048
13610	0.051
13620	0.049
13630	0.049
13640	0.05
13650	0.049
13660	0.048
13670	0.049
13680	0.049
13690	0.049
13700	0.05
13710	0.05
13720	0.05
13730	0.05
13740	0.048
13750	0.049
13760	0.049
13770	0.049
13780	0.049
13790	0.049
13800	0.05
13810	0.048
13820	0.049
13830	0.049
13840	0.05
13850	0.049
13860	0.048
13870	0.048
13880	0.048
13890	0.047
13900	0.048
13910	0.048
13920	0.047
13930	0.048

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

13940	0.047
13950	0.047
13960	0.048
13970	0.047
13980	0.048
13990	0.047
14000	0.047
14010	0.049
14020	0.047
14030	0.046
14040	0.047
14050	0.048
14060	0.048
14070	0.048
14080	0.048
14090	0.047
14100	0.047
14110	0.048
14120	0.048
14130	0.048
14140	0.048
14150	0.048
14160	0.048
14170	0.047
14180	0.047
14190	0.048
14200	0.048
14210	0.049
14220	0.048
14230	0.048
14240	0.048
14250	0.047
14260	0.048
14270	0.049
14280	0.05
14290	0.052
14300	0.05
14310	0.049
14320	0.048
14330	0.047
14340	0.048
14350	0.047
14360	0.047
14370	0.048
14380	0.048
14390	0.048
14400	0.05
14410	0.049

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

14420	0.05
14430	0.05
14440	0.048
14450	0.049
14460	0.047
14470	0.048
14480	0.049
14490	0.048
14500	0.048
14510	0.047
14520	0.048
14530	0.046
14540	0.047
14550	0.046
14560	0.048
14570	0.047
14580	0.046
14590	0.048
14600	0.046
14610	0.046
14620	0.049
14630	0.049
14640	0.047
14650	0.048
14660	0.047
14670	0.047
14680	0.047
14690	0.048
14700	0.047
14710	0.048
14720	0.047
14730	0.061
14740	0.049
14750	0.048
14760	0.047
14770	0.047
14780	0.047
14790	0.046
14800	0.047
14810	0.048
14820	0.048
14830	0.05
14840	0.047
14850	0.047
14860	0.047
14870	0.046
14880	0.047
14890	0.048

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

14900	0.047
14910	0.047
14920	0.047
14930	0.047
14940	0.047
14950	0.047
14960	0.047
14970	0.046
14980	0.046
14990	0.047
15000	0.047
15010	0.046
15020	0.047
15030	0.046
15040	0.047
15050	0.047
15060	0.047
15070	0.047
15080	0.046
15090	0.047
15100	0.047
15110	0.047
15120	0.047
15130	0.048
15140	0.046
15150	0.047
15160	0.049
15170	0.047
15180	0.047
15190	0.047
15200	0.046
15210	0.048
15220	0.047
15230	0.048
15240	0.047
15250	0.048
15260	0.048
15270	0.048
15280	0.047
15290	0.048
15300	0.048
15310	0.047
15320	0.05
15330	0.05
15340	0.051
15350	0.05
15360	0.051
15370	0.052

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

15380	0.051
15390	0.051
15400	0.051
15410	0.05
15420	0.05
15430	0.051
15440	0.051
15450	0.05
15460	0.05
15470	0.051
15480	0.051
15490	0.05
15500	0.052
15510	0.051
15520	0.051
15530	0.052
15540	0.05
15550	0.051
15560	0.053
15570	0.051
15580	0.051
15590	0.051
15600	0.05
15610	0.051
15620	0.051
15630	0.051
15640	0.051
15650	0.05
15660	0.049
15670	0.05
15680	0.05
15690	0.05
15700	0.051
15710	0.051
15720	0.051
15730	0.051
15740	0.051
15750	0.052
15760	0.052
15770	0.052
15780	0.051
15790	0.052
15800	0.051
15810	0.053
15820	0.052
15830	0.052
15840	0.051
15850	0.052

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

15860	0.051
15870	0.052
15880	0.05
15890	0.051
15900	0.05
15910	0.051
15920	0.051
15930	0.05
15940	0.051
15950	0.05
15960	0.051
15970	0.052
15980	0.052
15990	0.053
16000	0.054
16010	0.052
16020	0.052
16030	0.051
16040	0.052
16050	0.054
16060	0.051
16070	0.051
16080	0.051
16090	0.052
16100	0.051
16110	0.051
16120	0.052
16130	0.052
16140	0.051
16150	0.051
16160	0.052
16170	0.052
16180	0.053
16190	0.053
16200	0.052
16210	0.052
16220	0.053
16230	0.052
16240	0.051
16250	0.052
16260	0.052
16270	0.052
16280	0.053
16290	0.054
16300	0.053
16310	0.053
16320	0.054
16330	0.053

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

16340	0.053
16350	0.054
16360	0.052
16370	0.053
16380	0.053
16390	0.053
16400	0.053
16410	0.053
16420	0.053
16430	0.054
16440	0.053
16450	0.053
16460	0.054
16470	0.054
16480	0.055
16490	0.055
16500	0.055
16510	0.054
16520	0.054
16530	0.054
16540	0.055
16550	0.054
16560	0.055
16570	0.053
16580	0.055
16590	0.054
16600	0.054
16610	0.055
16620	0.055
16630	0.055
16640	0.055
16650	0.054
16660	0.056
16670	0.055
16680	0.055
16690	0.055
16700	0.054
16710	0.054
16720	0.054
16730	0.055
16740	0.055
16750	0.054
16760	0.054
16770	0.054
16780	0.054
16790	0.054
16800	0.053
16810	0.054

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

16820	0.053
16830	0.054
16840	0.056
16850	0.055
16860	0.055
16870	0.055
16880	0.055
16890	0.055
16900	0.056
16910	0.056
16920	0.058
16930	0.057
16940	0.059
16950	0.059
16960	0.059
16970	0.059
16980	0.06
16990	0.06
17000	0.06
17010	0.059
17020	0.059
17030	0.059
17040	0.06
17050	0.059
17060	0.06
17070	0.06
17080	0.06
17090	0.061
17100	0.06
17110	0.06
17120	0.061
17130	0.059
17140	0.058
17150	0.059
17160	0.06
17170	0.059
17180	0.06
17190	0.059
17200	0.06
17210	0.06
17220	0.061
17230	0.071

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530104704
Firmware Version	3.5
Calibration Date	4/14/2017
Test Name	MANUAL_015

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

Test Start Time	12:54:20 PM
Test Start Date	6/13/2017
Test Length [D:H:M]	0:00:01
Test Interval [M:S]	0:10
Mass Average [mg/m3]	0.074
Mass Minimum [mg/m3]	0.069
Mass Maximum [mg/m3]	0.079
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	11

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
10	0.072		
20	0.069		
30	0.073		
40	0.072		
50	0.073		
60	0.075		
70	0.074		
80	0.074		
90	0.074		
100	0.079		
110	0.074		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530104704
Firmware Version	3.5
Calibration Date	4/14/2017
Test Name	MANUAL_016
Test Start Time	12:57:40 PM
Test Start Date	6/13/2017
Test Length [D:H:M]	0:03:08
Test Interval [M:S]	0:10
Mass Average [mg/m3]	0.068
Mass Minimum [mg/m3]	0.056
Mass Maximum [mg/m3]	0.137
Mass TWA [mg/m3]	0.027
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	1130

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
10	0.079		
20	0.078		
30	0.071		

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

40	0.07
50	0.069
60	0.069
70	0.068
80	0.068
90	0.069
100	0.068
110	0.069
120	0.068
130	0.07
140	0.069
150	0.069
160	0.071
170	0.067
180	0.069
190	0.069
200	0.067
210	0.067
220	0.067
230	0.068
240	0.067
250	0.066
260	0.067
270	0.066
280	0.066
290	0.068
300	0.066
310	0.069
320	0.067
330	0.067
340	0.066
350	0.066
360	0.067
370	0.067
380	0.067
390	0.066
400	0.074
410	0.066
420	0.066
430	0.067
440	0.067
450	0.066
460	0.066
470	0.067
480	0.066
490	0.066
500	0.068
510	0.066

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

520	0.074
530	0.079
540	0.071
550	0.07
560	0.07
570	0.068
580	0.069
590	0.07
600	0.069
610	0.069
620	0.069
630	0.067
640	0.07
650	0.068
660	0.067
670	0.068
680	0.067
690	0.067
700	0.068
710	0.068
720	0.068
730	0.068
740	0.068
750	0.068
760	0.068
770	0.068
780	0.068
790	0.07
800	0.068
810	0.069
820	0.068
830	0.067
840	0.067
850	0.067
860	0.068
870	0.067
880	0.067
890	0.067
900	0.066
910	0.067
920	0.067
930	0.066
940	0.067
950	0.069
960	0.065
970	0.065
980	0.066
990	0.068

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

1000	0.069
1010	0.065
1020	0.066
1030	0.067
1040	0.066
1050	0.064
1060	0.064
1070	0.064
1080	0.064
1090	0.064
1100	0.064
1110	0.064
1120	0.065
1130	0.064
1140	0.065
1150	0.065
1160	0.065
1170	0.065
1180	0.066
1190	0.065
1200	0.067
1210	0.066
1220	0.069
1230	0.066
1240	0.067
1250	0.066
1260	0.067
1270	0.066
1280	0.066
1290	0.065
1300	0.067
1310	0.067
1320	0.067
1330	0.069
1340	0.066
1350	0.066
1360	0.066
1370	0.067
1380	0.066
1390	0.066
1400	0.066
1410	0.065
1420	0.066
1430	0.065
1440	0.066
1450	0.066
1460	0.068
1470	0.066

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

1480	0.065
1490	0.066
1500	0.067
1510	0.068
1520	0.07
1530	0.067
1540	0.068
1550	0.067
1560	0.069
1570	0.07
1580	0.07
1590	0.068
1600	0.068
1610	0.07
1620	0.071
1630	0.071
1640	0.069
1650	0.07
1660	0.071
1670	0.069
1680	0.07
1690	0.069
1700	0.068
1710	0.07
1720	0.071
1730	0.071
1740	0.07
1750	0.071
1760	0.071
1770	0.071
1780	0.07
1790	0.07
1800	0.071
1810	0.072
1820	0.072
1830	0.07
1840	0.071
1850	0.07
1860	0.071
1870	0.07
1880	0.071
1890	0.072
1900	0.071
1910	0.07
1920	0.07
1930	0.07
1940	0.071
1950	0.072

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

1960	0.07
1970	0.07
1980	0.07
1990	0.07
2000	0.07
2010	0.07
2020	0.072
2030	0.072
2040	0.071
2050	0.07
2060	0.07
2070	0.07
2080	0.07
2090	0.07
2100	0.071
2110	0.071
2120	0.072
2130	0.071
2140	0.073
2150	0.072
2160	0.07
2170	0.07
2180	0.071
2190	0.073
2200	0.073
2210	0.072
2220	0.074
2230	0.072
2240	0.071
2250	0.071
2260	0.075
2270	0.079
2280	0.077
2290	0.072
2300	0.074
2310	0.073
2320	0.074
2330	0.073
2340	0.073
2350	0.075
2360	0.075
2370	0.074
2380	0.075
2390	0.075
2400	0.077
2410	0.097
2420	0.096
2430	0.078

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

2440	0.076
2450	0.073
2460	0.079
2470	0.074
2480	0.074
2490	0.074
2500	0.072
2510	0.073
2520	0.073
2530	0.071
2540	0.072
2550	0.073
2560	0.073
2570	0.073
2580	0.075
2590	0.074
2600	0.076
2610	0.074
2620	0.075
2630	0.074
2640	0.074
2650	0.074
2660	0.074
2670	0.083
2680	0.077
2690	0.078
2700	0.078
2710	0.077
2720	0.076
2730	0.076
2740	0.076
2750	0.075
2760	0.076
2770	0.076
2780	0.075
2790	0.075
2800	0.074
2810	0.075
2820	0.075
2830	0.074
2840	0.073
2850	0.073
2860	0.073
2870	0.072
2880	0.072
2890	0.072
2900	0.073
2910	0.073

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

2920	0.071
2930	0.072
2940	0.074
2950	0.073
2960	0.074
2970	0.075
2980	0.074
2990	0.082
3000	0.08
3010	0.076
3020	0.073
3030	0.074
3040	0.073
3050	0.072
3060	0.072
3070	0.072
3080	0.072
3090	0.073
3100	0.072
3110	0.073
3120	0.071
3130	0.073
3140	0.073
3150	0.073
3160	0.073
3170	0.072
3180	0.072
3190	0.072
3200	0.073
3210	0.071
3220	0.072
3230	0.072
3240	0.071
3250	0.071
3260	0.072
3270	0.072
3280	0.073
3290	0.072
3300	0.072
3310	0.072
3320	0.073
3330	0.072
3340	0.071
3350	0.072
3360	0.071
3370	0.072
3380	0.071
3390	0.072

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

3400	0.073
3410	0.072
3420	0.071
3430	0.072
3440	0.072
3450	0.072
3460	0.071
3470	0.072
3480	0.072
3490	0.071
3500	0.07
3510	0.069
3520	0.069
3530	0.085
3540	0.069
3550	0.069
3560	0.069
3570	0.07
3580	0.07
3590	0.068
3600	0.069
3610	0.069
3620	0.069
3630	0.069
3640	0.069
3650	0.069
3660	0.069
3670	0.069
3680	0.069
3690	0.07
3700	0.07
3710	0.07
3720	0.069
3730	0.069
3740	0.068
3750	0.069
3760	0.068
3770	0.068
3780	0.07
3790	0.071
3800	0.07
3810	0.071
3820	0.07
3830	0.076
3840	0.071
3850	0.069
3860	0.068
3870	0.07

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

3880	0.069
3890	0.069
3900	0.072
3910	0.07
3920	0.069
3930	0.07
3940	0.07
3950	0.07
3960	0.07
3970	0.069
3980	0.069
3990	0.071
4000	0.071
4010	0.069
4020	0.07
4030	0.069
4040	0.069
4050	0.069
4060	0.069
4070	0.07
4080	0.069
4090	0.071
4100	0.072
4110	0.072
4120	0.072
4130	0.072
4140	0.072
4150	0.072
4160	0.072
4170	0.071
4180	0.073
4190	0.072
4200	0.071
4210	0.071
4220	0.072
4230	0.072
4240	0.072
4250	0.071
4260	0.074
4270	0.071
4280	0.072
4290	0.073
4300	0.073
4310	0.073
4320	0.072
4330	0.072
4340	0.07
4350	0.071

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

4360	0.072
4370	0.074
4380	0.074
4390	0.074
4400	0.074
4410	0.074
4420	0.075
4430	0.077
4440	0.076
4450	0.075
4460	0.078
4470	0.077
4480	0.077
4490	0.075
4500	0.076
4510	0.074
4520	0.076
4530	0.078
4540	0.073
4550	0.076
4560	0.077
4570	0.075
4580	0.075
4590	0.075
4600	0.074
4610	0.074
4620	0.074
4630	0.075
4640	0.074
4650	0.073
4660	0.073
4670	0.073
4680	0.072
4690	0.074
4700	0.072
4710	0.075
4720	0.074
4730	0.074
4740	0.073
4750	0.073
4760	0.08
4770	0.074
4780	0.074
4790	0.074
4800	0.074
4810	0.073
4820	0.073
4830	0.074

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

4840	0.074
4850	0.073
4860	0.073
4870	0.072
4880	0.072
4890	0.074
4900	0.072
4910	0.075
4920	0.074
4930	0.073
4940	0.073
4950	0.076
4960	0.074
4970	0.074
4980	0.077
4990	0.076
5000	0.076
5010	0.077
5020	0.083
5030	0.075
5040	0.074
5050	0.074
5060	0.075
5070	0.075
5080	0.074
5090	0.083
5100	0.075
5110	0.075
5120	0.075
5130	0.075
5140	0.074
5150	0.075
5160	0.075
5170	0.076
5180	0.075
5190	0.073
5200	0.074
5210	0.075
5220	0.078
5230	0.074
5240	0.076
5250	0.076
5260	0.077
5270	0.077
5280	0.075
5290	0.074
5300	0.076
5310	0.075

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

5320	0.074
5330	0.075
5340	0.076
5350	0.075
5360	0.075
5370	0.082
5380	0.077
5390	0.072
5400	0.071
5410	0.072
5420	0.072
5430	0.073
5440	0.073
5450	0.072
5460	0.072
5470	0.074
5480	0.074
5490	0.074
5500	0.073
5510	0.074
5520	0.073
5530	0.073
5540	0.074
5550	0.073
5560	0.074
5570	0.074
5580	0.073
5590	0.073
5600	0.072
5610	0.074
5620	0.074
5630	0.074
5640	0.074
5650	0.075
5660	0.073
5670	0.074
5680	0.073
5690	0.073
5700	0.073
5710	0.073
5720	0.072
5730	0.072
5740	0.074
5750	0.071
5760	0.071
5770	0.071
5780	0.072
5790	0.071

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

5800	0.073
5810	0.073
5820	0.072
5830	0.072
5840	0.071
5850	0.07
5860	0.07
5870	0.071
5880	0.071
5890	0.069
5900	0.07
5910	0.071
5920	0.071
5930	0.073
5940	0.072
5950	0.073
5960	0.069
5970	0.071
5980	0.072
5990	0.069
6000	0.07
6010	0.071
6020	0.072
6030	0.071
6040	0.072
6050	0.07
6060	0.07
6070	0.072
6080	0.07
6090	0.071
6100	0.07
6110	0.071
6120	0.069
6130	0.07
6140	0.07
6150	0.07
6160	0.069
6170	0.07
6180	0.068
6190	0.072
6200	0.069
6210	0.071
6220	0.071
6230	0.069
6240	0.068
6250	0.068
6260	0.069
6270	0.07

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

6280	0.073
6290	0.071
6300	0.069
6310	0.069
6320	0.07
6330	0.07
6340	0.069
6350	0.07
6360	0.07
6370	0.069
6380	0.07
6390	0.068
6400	0.068
6410	0.069
6420	0.068
6430	0.07
6440	0.07
6450	0.069
6460	0.067
6470	0.067
6480	0.066
6490	0.068
6500	0.068
6510	0.069
6520	0.068
6530	0.069
6540	0.068
6550	0.067
6560	0.067
6570	0.067
6580	0.067
6590	0.067
6600	0.066
6610	0.067
6620	0.07
6630	0.07
6640	0.068
6650	0.068
6660	0.068
6670	0.068
6680	0.068
6690	0.068
6700	0.068
6710	0.07
6720	0.069
6730	0.068
6740	0.068
6750	0.067

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

6760	0.068
6770	0.067
6780	0.067
6790	0.066
6800	0.069
6810	0.067
6820	0.069
6830	0.068
6840	0.067
6850	0.067
6860	0.065
6870	0.066
6880	0.067
6890	0.067
6900	0.067
6910	0.066
6920	0.067
6930	0.067
6940	0.068
6950	0.067
6960	0.067
6970	0.067
6980	0.065
6990	0.066
7000	0.069
7010	0.067
7020	0.066
7030	0.066
7040	0.066
7050	0.066
7060	0.066
7070	0.065
7080	0.065
7090	0.065
7100	0.066
7110	0.067
7120	0.067
7130	0.068
7140	0.066
7150	0.067
7160	0.066
7170	0.069
7180	0.066
7190	0.066
7200	0.066
7210	0.065
7220	0.066
7230	0.065

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

7240	0.068
7250	0.067
7260	0.067
7270	0.068
7280	0.067
7290	0.068
7300	0.067
7310	0.065
7320	0.065
7330	0.065
7340	0.066
7350	0.066
7360	0.066
7370	0.066
7380	0.067
7390	0.064
7400	0.064
7410	0.065
7420	0.067
7430	0.065
7440	0.067
7450	0.065
7460	0.068
7470	0.067
7480	0.067
7490	0.066
7500	0.066
7510	0.066
7520	0.066
7530	0.067
7540	0.066
7550	0.066
7560	0.064
7570	0.065
7580	0.064
7590	0.065
7600	0.068
7610	0.065
7620	0.066
7630	0.065
7640	0.064
7650	0.065
7660	0.066
7670	0.066
7680	0.065
7690	0.064
7700	0.064
7710	0.065

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

7720	0.065
7730	0.063
7740	0.065
7750	0.064
7760	0.064
7770	0.063
7780	0.066
7790	0.067
7800	0.064
7810	0.065
7820	0.066
7830	0.066
7840	0.064
7850	0.065
7860	0.065
7870	0.064
7880	0.069
7890	0.068
7900	0.065
7910	0.066
7920	0.066
7930	0.065
7940	0.065
7950	0.066
7960	0.066
7970	0.063
7980	0.064
7990	0.064
8000	0.063
8010	0.064
8020	0.064
8030	0.064
8040	0.064
8050	0.065
8060	0.065
8070	0.065
8080	0.065
8090	0.065
8100	0.064
8110	0.063
8120	0.064
8130	0.065
8140	0.065
8150	0.065
8160	0.064
8170	0.065
8180	0.068
8190	0.066

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

8200	0.065
8210	0.066
8220	0.066
8230	0.065
8240	0.064
8250	0.063
8260	0.064
8270	0.063
8280	0.063
8290	0.064
8300	0.066
8310	0.065
8320	0.063
8330	0.064
8340	0.063
8350	0.064
8360	0.064
8370	0.065
8380	0.063
8390	0.064
8400	0.064
8410	0.064
8420	0.065
8430	0.064
8440	0.063
8450	0.062
8460	0.062
8470	0.062
8480	0.062
8490	0.062
8500	0.062
8510	0.061
8520	0.061
8530	0.061
8540	0.062
8550	0.061
8560	0.062
8570	0.062
8580	0.062
8590	0.062
8600	0.062
8610	0.062
8620	0.061
8630	0.062
8640	0.062
8650	0.06
8660	0.061
8670	0.06

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

8680	0.06
8690	0.061
8700	0.061
8710	0.137
8720	0.06
8730	0.062
8740	0.061
8750	0.063
8760	0.062
8770	0.062
8780	0.062
8790	0.061
8800	0.061
8810	0.061
8820	0.062
8830	0.062
8840	0.06
8850	0.06
8860	0.06
8870	0.06
8880	0.061
8890	0.061
8900	0.06
8910	0.06
8920	0.06
8930	0.06
8940	0.062
8950	0.061
8960	0.06
8970	0.061
8980	0.061
8990	0.061
9000	0.061
9010	0.062
9020	0.061
9030	0.061
9040	0.061
9050	0.062
9060	0.062
9070	0.063
9080	0.062
9090	0.062
9100	0.062
9110	0.062
9120	0.063
9130	0.062
9140	0.062
9150	0.062

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

9160	0.062
9170	0.062
9180	0.062
9190	0.062
9200	0.063
9210	0.063
9220	0.062
9230	0.062
9240	0.062
9250	0.063
9260	0.061
9270	0.062
9280	0.062
9290	0.064
9300	0.064
9310	0.065
9320	0.064
9330	0.066
9340	0.065
9350	0.065
9360	0.065
9370	0.066
9380	0.066
9390	0.065
9400	0.066
9410	0.068
9420	0.065
9430	0.065
9440	0.065
9450	0.065
9460	0.066
9470	0.065
9480	0.066
9490	0.066
9500	0.067
9510	0.066
9520	0.066
9530	0.065
9540	0.065
9550	0.065
9560	0.065
9570	0.066
9580	0.064
9590	0.064
9600	0.065
9610	0.062
9620	0.065
9630	0.064

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

9640	0.066
9650	0.065
9660	0.064
9670	0.064
9680	0.065
9690	0.064
9700	0.073
9710	0.064
9720	0.067
9730	0.063
9740	0.064
9750	0.064
9760	0.063
9770	0.064
9780	0.064
9790	0.065
9800	0.064
9810	0.063
9820	0.063
9830	0.063
9840	0.062
9850	0.062
9860	0.061
9870	0.061
9880	0.063
9890	0.064
9900	0.063
9910	0.063
9920	0.063
9930	0.061
9940	0.062
9950	0.063
9960	0.062
9970	0.061
9980	0.062
9990	0.061
10000	0.06
10010	0.06
10020	0.062
10030	0.06
10040	0.059
10050	0.059
10060	0.061
10070	0.061
10080	0.062
10090	0.06
10100	0.06
10110	0.06

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

10120	0.06
10130	0.06
10140	0.061
10150	0.059
10160	0.06
10170	0.06
10180	0.059
10190	0.059
10200	0.059
10210	0.06
10220	0.061
10230	0.059
10240	0.06
10250	0.059
10260	0.059
10270	0.061
10280	0.06
10290	0.065
10300	0.068
10310	0.059
10320	0.059
10330	0.06
10340	0.06
10350	0.06
10360	0.06
10370	0.06
10380	0.06
10390	0.06
10400	0.061
10410	0.061
10420	0.06
10430	0.061
10440	0.059
10450	0.059
10460	0.059
10470	0.058
10480	0.058
10490	0.057
10500	0.057
10510	0.058
10520	0.059
10530	0.059
10540	0.059
10550	0.059
10560	0.059
10570	0.062
10580	0.058
10590	0.058

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

10600	0.058
10610	0.058
10620	0.059
10630	0.059
10640	0.059
10650	0.059
10660	0.058
10670	0.058
10680	0.059
10690	0.058
10700	0.059
10710	0.059
10720	0.058
10730	0.058
10740	0.058
10750	0.059
10760	0.059
10770	0.059
10780	0.059
10790	0.057
10800	0.058
10810	0.057
10820	0.056
10830	0.056
10840	0.057
10850	0.057
10860	0.061
10870	0.057
10880	0.058
10890	0.057
10900	0.056
10910	0.057
10920	0.057
10930	0.058
10940	0.059
10950	0.057
10960	0.056
10970	0.057
10980	0.057
10990	0.057
11000	0.057
11010	0.06
11020	0.057
11030	0.058
11040	0.056
11050	0.057
11060	0.057
11070	0.057

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

11080	0.057
11090	0.057
11100	0.057
11110	0.058
11120	0.058
11130	0.058
11140	0.064
11150	0.058
11160	0.057
11170	0.056
11180	0.061
11190	0.06
11200	0.058
11210	0.059
11220	0.059
11230	0.067
11240	0.061
11250	0.06
11260	0.059
11270	0.065
11280	0.067
11290	0.067
11300	0.068

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530104704
Firmware Version	3.5
Calibration Date	4/14/2017
Test Name	MANUAL_017
Test Start Time	4:23:32 PM
Test Start Date	6/13/2017
Test Length [D:H:M]	0:00:00
Test Interval [M:S]	0:10
Mass Average [mg/m3]	0
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	5

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
10	0		
20	0		
30	0		
40	0		
50	0		

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530104704
Firmware Version	3.5
Calibration Date	4/14/2017
Test Name	MANUAL_018
Test Start Time	8:07:15 AM
Test Start Date	6/14/2017
Test Length [D:H:M]	0:00:00
Test Interval [M:S]	0:10
Mass Average [mg/m3]	0.023
Mass Minimum [mg/m3]	0.019
Mass Maximum [mg/m3]	0.025
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	5

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
10	0.019		
20	0.025		
30	0.023		
40	0.023		
50	0.023		

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530104704
Firmware Version	3.5
Calibration Date	4/14/2017
Test Name	MANUAL_019
Test Start Time	8:08:53 AM
Test Start Date	6/14/2017
Test Length [D:H:M]	0:01:32
Test Interval [M:S]	0:10
Mass Average [mg/m3]	0.011
Mass Minimum [mg/m3]	0.006
Mass Maximum [mg/m3]	0.07
Mass TWA [mg/m3]	0.002
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	556

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
10	0.023		
20	0.047		
30	0.028		

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

40	0.023
50	0.021
60	0.02
70	0.02
80	0.02
90	0.02
100	0.02
110	0.019
120	0.02
130	0.02
140	0.02
150	0.02
160	0.02
170	0.02
180	0.02
190	0.019
200	0.02
210	0.02
220	0.02
230	0.019
240	0.019
250	0.02
260	0.02
270	0.02
280	0.02
290	0.019
300	0.02
310	0.02
320	0.02
330	0.02
340	0.02
350	0.019
360	0.02
370	0.019
380	0.019
390	0.02
400	0.019
410	0.019
420	0.02
430	0.019
440	0.019
450	0.02
460	0.019
470	0.018
480	0.018
490	0.018
500	0.019
510	0.019

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

520	0.019
530	0.02
540	0.019
550	0.019
560	0.019
570	0.018
580	0.018
590	0.018
600	0.018
610	0.018
620	0.018
630	0.018
640	0.017
650	0.017
660	0.017
670	0.018
680	0.018
690	0.019
700	0.018
710	0.018
720	0.018
730	0.018
740	0.018
750	0.018
760	0.018
770	0.018
780	0.018
790	0.019
800	0.018
810	0.018
820	0.018
830	0.018
840	0.018
850	0.018
860	0.018
870	0.019
880	0.018
890	0.018
900	0.018
910	0.017
920	0.018
930	0.017
940	0.018
950	0.018
960	0.018
970	0.017
980	0.018
990	0.018

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

1000	0.019
1010	0.019
1020	0.019
1030	0.018
1040	0.018
1050	0.019
1060	0.019
1070	0.019
1080	0.019
1090	0.019
1100	0.019
1110	0.02
1120	0.02
1130	0.018
1140	0.016
1150	0.016
1160	0.016
1170	0.016
1180	0.015
1190	0.016
1200	0.016
1210	0.017
1220	0.019
1230	0.018
1240	0.017
1250	0.016
1260	0.017
1270	0.016
1280	0.015
1290	0.015
1300	0.015
1310	0.014
1320	0.015
1330	0.015
1340	0.015
1350	0.015
1360	0.015
1370	0.015
1380	0.016
1390	0.015
1400	0.015
1410	0.014
1420	0.015
1430	0.014
1440	0.015
1450	0.014
1460	0.014
1470	0.013

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

1480	0.014
1490	0.013
1500	0.014
1510	0.014
1520	0.014
1530	0.014
1540	0.014
1550	0.014
1560	0.013
1570	0.011
1580	0.011
1590	0.012
1600	0.011
1610	0.011
1620	0.011
1630	0.011
1640	0.011
1650	0.011
1660	0.011
1670	0.011
1680	0.01
1690	0.01
1700	0.011
1710	0.011
1720	0.011
1730	0.01
1740	0.01
1750	0.01
1760	0.011
1770	0.01
1780	0.01
1790	0.01
1800	0.01
1810	0.01
1820	0.01
1830	0.01
1840	0.01
1850	0.01
1860	0.01
1870	0.01
1880	0.01
1890	0.01
1900	0.009
1910	0.01
1920	0.01
1930	0.01
1940	0.009
1950	0.011

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

1960	0.009
1970	0.01
1980	0.01
1990	0.009
2000	0.01
2010	0.01
2020	0.01
2030	0.01
2040	0.01
2050	0.009
2060	0.01
2070	0.009
2080	0.009
2090	0.009
2100	0.009
2110	0.009
2120	0.009
2130	0.009
2140	0.009
2150	0.01
2160	0.009
2170	0.009
2180	0.01
2190	0.009
2200	0.009
2210	0.011
2220	0.009
2230	0.009
2240	0.018
2250	0.009
2260	0.009
2270	0.01
2280	0.01
2290	0.009
2300	0.01
2310	0.009
2320	0.01
2330	0.01
2340	0.009
2350	0.01
2360	0.01
2370	0.009
2380	0.01
2390	0.009
2400	0.009
2410	0.01
2420	0.01
2430	0.01

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

2440	0.009
2450	0.01
2460	0.012
2470	0.011
2480	0.009
2490	0.01
2500	0.01
2510	0.009
2520	0.011
2530	0.009
2540	0.008
2550	0.008
2560	0.009
2570	0.008
2580	0.008
2590	0.008
2600	0.008
2610	0.008
2620	0.008
2630	0.008
2640	0.008
2650	0.007
2660	0.008
2670	0.008
2680	0.007
2690	0.008
2700	0.011
2710	0.008
2720	0.008
2730	0.008
2740	0.008
2750	0.008
2760	0.008
2770	0.008
2780	0.008
2790	0.008
2800	0.008
2810	0.008
2820	0.008
2830	0.009
2840	0.008
2850	0.008
2860	0.007
2870	0.008
2880	0.008
2890	0.008
2900	0.008
2910	0.007

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

2920	0.007
2930	0.007
2940	0.007
2950	0.007
2960	0.007
2970	0.007
2980	0.007
2990	0.007
3000	0.008
3010	0.022
3020	0.009
3030	0.008
3040	0.013
3050	0.008
3060	0.031
3070	0.01
3080	0.008
3090	0.007
3100	0.008
3110	0.007
3120	0.007
3130	0.007
3140	0.007
3150	0.007
3160	0.007
3170	0.008
3180	0.007
3190	0.007
3200	0.007
3210	0.007
3220	0.008
3230	0.009
3240	0.007
3250	0.007
3260	0.007
3270	0.007
3280	0.007
3290	0.007
3300	0.007
3310	0.006
3320	0.007
3330	0.007
3340	0.007
3350	0.007
3360	0.01
3370	0.007
3380	0.008
3390	0.007

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

3400	0.007
3410	0.007
3420	0.007
3430	0.007
3440	0.007
3450	0.007
3460	0.007
3470	0.007
3480	0.007
3490	0.007
3500	0.007
3510	0.007
3520	0.007
3530	0.007
3540	0.007
3550	0.006
3560	0.007
3570	0.007
3580	0.007
3590	0.007
3600	0.007
3610	0.006
3620	0.007
3630	0.007
3640	0.007
3650	0.007
3660	0.006
3670	0.006
3680	0.007
3690	0.007
3700	0.007
3710	0.007
3720	0.007
3730	0.006
3740	0.007
3750	0.007
3760	0.006
3770	0.006
3780	0.007
3790	0.007
3800	0.007
3810	0.007
3820	0.006
3830	0.006
3840	0.007
3850	0.007
3860	0.007
3870	0.008

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

3880	0.008
3890	0.01
3900	0.011
3910	0.01
3920	0.008
3930	0.008
3940	0.007
3950	0.007
3960	0.007
3970	0.007
3980	0.01
3990	0.01
4000	0.01
4010	0.01
4020	0.008
4030	0.007
4040	0.007
4050	0.006
4060	0.007
4070	0.007
4080	0.007
4090	0.006
4100	0.006
4110	0.008
4120	0.006
4130	0.007
4140	0.007
4150	0.007
4160	0.006
4170	0.007
4180	0.007
4190	0.007
4200	0.008
4210	0.007
4220	0.007
4230	0.007
4240	0.007
4250	0.006
4260	0.006
4270	0.006
4280	0.007
4290	0.007
4300	0.008
4310	0.008
4320	0.007
4330	0.007
4340	0.007
4350	0.007

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

4360	0.01
4370	0.01
4380	0.008
4390	0.008
4400	0.008
4410	0.008
4420	0.007
4430	0.007
4440	0.007
4450	0.007
4460	0.006
4470	0.007
4480	0.007
4490	0.006
4500	0.006
4510	0.006
4520	0.006
4530	0.008
4540	0.007
4550	0.007
4560	0.007
4570	0.007
4580	0.007
4590	0.006
4600	0.007
4610	0.006
4620	0.006
4630	0.007
4640	0.007
4650	0.007
4660	0.007
4670	0.007
4680	0.008
4690	0.007
4700	0.007
4710	0.007
4720	0.008
4730	0.008
4740	0.008
4750	0.007
4760	0.007
4770	0.007
4780	0.007
4790	0.007
4800	0.009
4810	0.009
4820	0.009
4830	0.008

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

4840	0.009
4850	0.009
4860	0.008
4870	0.008
4880	0.008
4890	0.008
4900	0.008
4910	0.008
4920	0.007
4930	0.007
4940	0.007
4950	0.006
4960	0.007
4970	0.007
4980	0.007
4990	0.007
5000	0.007
5010	0.007
5020	0.007
5030	0.007
5040	0.007
5050	0.007
5060	0.009
5070	0.007
5080	0.008
5090	0.007
5100	0.006
5110	0.007
5120	0.006
5130	0.006
5140	0.006
5150	0.007
5160	0.007
5170	0.007
5180	0.008
5190	0.007
5200	0.006
5210	0.006
5220	0.007
5230	0.007
5240	0.006
5250	0.006
5260	0.007
5270	0.006
5280	0.007
5290	0.008
5300	0.026
5310	0.015

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

5320	0.024
5330	0.016
5340	0.011
5350	0.012
5360	0.008
5370	0.007
5380	0.007
5390	0.007
5400	0.007
5410	0.007
5420	0.008
5430	0.008
5440	0.007
5450	0.007
5460	0.007
5470	0.006
5480	0.006
5490	0.007
5500	0.006
5510	0.007
5520	0.008
5530	0.007
5540	0.059
5550	0.07
5560	0.042

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530104704
Firmware Version	3.5
Calibration Date	4/14/2017
Test Name	MANUAL_020
Test Start Time	10:51:20 AM
Test Start Date	6/14/2017
Test Length [D:H:M]	0:00:08
Test Interval [M:S]	0:10
Mass Average [mg/m3]	0.006
Mass Minimum [mg/m3]	0.005
Mass Maximum [mg/m3]	0.023
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	48

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
10	0.023		
20	0.006		
30	0.006		

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

40	0.005
50	0.005
60	0.005
70	0.005
80	0.005
90	0.009
100	0.006
110	0.006
120	0.005
130	0.005
140	0.005
150	0.005
160	0.005
170	0.005
180	0.005
190	0.005
200	0.005
210	0.006
220	0.005
230	0.005
240	0.006
250	0.005
260	0.005
270	0.006
280	0.006
290	0.005
300	0.006
310	0.005
320	0.005
330	0.005
340	0.005
350	0.006
360	0.005
370	0.006
380	0.005
390	0.005
400	0.005
410	0.006
420	0.006
430	0.007
440	0.007
450	0.005
460	0.005
470	0.006
480	0.005

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530104704

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

Firmware Version	3.5
Calibration Date	4/14/2017
Test Name	MANUAL_021
Test Start Time	11:04:56 AM
Test Start Date	6/14/2017
Test Length [D:H:M]	0:03:13
Test Interval [M:S]	0:10
Mass Average [mg/m3]	0.006
Mass Minimum [mg/m3]	0.005
Mass Maximum [mg/m3]	0.059
Mass TWA [mg/m3]	0.003
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	1161

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
10	0.007		
20	0.009		
30	0.009		
40	0.007		
50	0.006		
60	0.005		
70	0.005		
80	0.005		
90	0.005		
100	0.005		
110	0.005		
120	0.005		
130	0.005		
140	0.005		
150	0.005		
160	0.005		
170	0.005		
180	0.005		
190	0.005		
200	0.005		
210	0.005		
220	0.005		
230	0.005		
240	0.005		
250	0.005		
260	0.005		
270	0.006		
280	0.005		
290	0.006		
300	0.005		
310	0.005		

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

320	0.005
330	0.005
340	0.005
350	0.005
360	0.005
370	0.005
380	0.007
390	0.007
400	0.007
410	0.005
420	0.005
430	0.006
440	0.005
450	0.006
460	0.005
470	0.005
480	0.005
490	0.005
500	0.005
510	0.006
520	0.005
530	0.005
540	0.005
550	0.005
560	0.005
570	0.006
580	0.005
590	0.006
600	0.006
610	0.005
620	0.005
630	0.005
640	0.005
650	0.005
660	0.005
670	0.005
680	0.005
690	0.006
700	0.005
710	0.006
720	0.006
730	0.006
740	0.006
750	0.005
760	0.005
770	0.005
780	0.005
790	0.006

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

800	0.005
810	0.005
820	0.006
830	0.005
840	0.005
850	0.005
860	0.005
870	0.006
880	0.005
890	0.005
900	0.005
910	0.005
920	0.005
930	0.005
940	0.005
950	0.005
960	0.005
970	0.005
980	0.005
990	0.005
1000	0.006
1010	0.005
1020	0.006
1030	0.005
1040	0.005
1050	0.006
1060	0.006
1070	0.006
1080	0.006
1090	0.005
1100	0.005
1110	0.006
1120	0.005
1130	0.009
1140	0.005
1150	0.005
1160	0.005
1170	0.006
1180	0.006
1190	0.005
1200	0.005
1210	0.005
1220	0.005
1230	0.005
1240	0.005
1250	0.005
1260	0.005
1270	0.005

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

1280	0.005
1290	0.005
1300	0.005
1310	0.005
1320	0.005
1330	0.005
1340	0.005
1350	0.005
1360	0.006
1370	0.005
1380	0.005
1390	0.006
1400	0.005
1410	0.005
1420	0.006
1430	0.005
1440	0.005
1450	0.005
1460	0.005
1470	0.005
1480	0.006
1490	0.005
1500	0.006
1510	0.005
1520	0.005
1530	0.005
1540	0.006
1550	0.005
1560	0.005
1570	0.005
1580	0.005
1590	0.006
1600	0.006
1610	0.005
1620	0.005
1630	0.005
1640	0.005
1650	0.005
1660	0.005
1670	0.005
1680	0.005
1690	0.005
1700	0.005
1710	0.005
1720	0.005
1730	0.005
1740	0.005
1750	0.005

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

1760	0.005
1770	0.005
1780	0.005
1790	0.005
1800	0.006
1810	0.005
1820	0.005
1830	0.005
1840	0.006
1850	0.006
1860	0.005
1870	0.005
1880	0.005
1890	0.005
1900	0.005
1910	0.005
1920	0.005
1930	0.005
1940	0.005
1950	0.005
1960	0.006
1970	0.005
1980	0.005
1990	0.005
2000	0.005
2010	0.005
2020	0.006
2030	0.005
2040	0.005
2050	0.005
2060	0.005
2070	0.006
2080	0.005
2090	0.005
2100	0.006
2110	0.005
2120	0.006
2130	0.006
2140	0.006
2150	0.005
2160	0.005
2170	0.005
2180	0.005
2190	0.005
2200	0.005
2210	0.005
2220	0.005
2230	0.005

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

2240	0.005
2250	0.006
2260	0.006
2270	0.005
2280	0.006
2290	0.008
2300	0.006
2310	0.005
2320	0.006
2330	0.005
2340	0.005
2350	0.005
2360	0.005
2370	0.005
2380	0.005
2390	0.005
2400	0.006
2410	0.006
2420	0.006
2430	0.005
2440	0.005
2450	0.006
2460	0.005
2470	0.005
2480	0.006
2490	0.006
2500	0.006
2510	0.005
2520	0.005
2530	0.005
2540	0.006
2550	0.006
2560	0.005
2570	0.005
2580	0.006
2590	0.006
2600	0.006
2610	0.005
2620	0.005
2630	0.006
2640	0.005
2650	0.006
2660	0.006
2670	0.005
2680	0.007
2690	0.013
2700	0.009
2710	0.006

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

2720	0.006
2730	0.005
2740	0.006
2750	0.007
2760	0.006
2770	0.005
2780	0.005
2790	0.006
2800	0.006
2810	0.006
2820	0.005
2830	0.005
2840	0.005
2850	0.005
2860	0.006
2870	0.005
2880	0.005
2890	0.006
2900	0.005
2910	0.005
2920	0.005
2930	0.005
2940	0.005
2950	0.005
2960	0.005
2970	0.005
2980	0.005
2990	0.006
3000	0.005
3010	0.005
3020	0.005
3030	0.005
3040	0.006
3050	0.005
3060	0.006
3070	0.006
3080	0.005
3090	0.005
3100	0.005
3110	0.005
3120	0.006
3130	0.006
3140	0.006
3150	0.005
3160	0.005
3170	0.006
3180	0.005
3190	0.006

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

3200	0.006
3210	0.005
3220	0.005
3230	0.005
3240	0.006
3250	0.006
3260	0.005
3270	0.006
3280	0.005
3290	0.006
3300	0.005
3310	0.006
3320	0.006
3330	0.005
3340	0.005
3350	0.007
3360	0.006
3370	0.006
3380	0.005
3390	0.006
3400	0.008
3410	0.006
3420	0.006
3430	0.006
3440	0.005
3450	0.005
3460	0.005
3470	0.006
3480	0.006
3490	0.006
3500	0.006
3510	0.005
3520	0.005
3530	0.005
3540	0.005
3550	0.005
3560	0.006
3570	0.005
3580	0.005
3590	0.006
3600	0.006
3610	0.006
3620	0.006
3630	0.007
3640	0.006
3650	0.006
3660	0.006
3670	0.005

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

3680	0.006
3690	0.005
3700	0.005
3710	0.005
3720	0.006
3730	0.006
3740	0.006
3750	0.006
3760	0.006
3770	0.006
3780	0.006
3790	0.006
3800	0.006
3810	0.006
3820	0.006
3830	0.006
3840	0.006
3850	0.006
3860	0.006
3870	0.006
3880	0.006
3890	0.005
3900	0.006
3910	0.007
3920	0.006
3930	0.006
3940	0.006
3950	0.006
3960	0.006
3970	0.006
3980	0.006
3990	0.006
4000	0.006
4010	0.006
4020	0.006
4030	0.006
4040	0.007
4050	0.006
4060	0.006
4070	0.006
4080	0.006
4090	0.006
4100	0.007
4110	0.007
4120	0.006
4130	0.006
4140	0.006
4150	0.006

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

4160	0.006
4170	0.006
4180	0.006
4190	0.006
4200	0.006
4210	0.006
4220	0.006
4230	0.006
4240	0.006
4250	0.006
4260	0.006
4270	0.006
4280	0.006
4290	0.006
4300	0.006
4310	0.006
4320	0.006
4330	0.006
4340	0.006
4350	0.006
4360	0.006
4370	0.006
4380	0.005
4390	0.006
4400	0.006
4410	0.006
4420	0.006
4430	0.006
4440	0.006
4450	0.006
4460	0.006
4470	0.006
4480	0.005
4490	0.007
4500	0.006
4510	0.016
4520	0.031
4530	0.018
4540	0.009
4550	0.011
4560	0.018
4570	0.008
4580	0.007
4590	0.006
4600	0.032
4610	0.007
4620	0.006
4630	0.007

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

4640	0.006
4650	0.007
4660	0.007
4670	0.006
4680	0.006
4690	0.006
4700	0.006
4710	0.006
4720	0.006
4730	0.006
4740	0.007
4750	0.006
4760	0.007
4770	0.007
4780	0.007
4790	0.007
4800	0.007
4810	0.007
4820	0.006
4830	0.007
4840	0.006
4850	0.006
4860	0.006
4870	0.007
4880	0.006
4890	0.006
4900	0.006
4910	0.006
4920	0.007
4930	0.007
4940	0.007
4950	0.008
4960	0.007
4970	0.007
4980	0.007
4990	0.007
5000	0.008
5010	0.007
5020	0.007
5030	0.007
5040	0.007
5050	0.007
5060	0.006
5070	0.007
5080	0.008
5090	0.007
5100	0.007
5110	0.007

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

5120	0.007
5130	0.007
5140	0.007
5150	0.007
5160	0.006
5170	0.008
5180	0.007
5190	0.007
5200	0.007
5210	0.007
5220	0.007
5230	0.008
5240	0.008
5250	0.008
5260	0.009
5270	0.008
5280	0.008
5290	0.007
5300	0.007
5310	0.008
5320	0.007
5330	0.007
5340	0.007
5350	0.007
5360	0.007
5370	0.007
5380	0.008
5390	0.007
5400	0.008
5410	0.008
5420	0.007
5430	0.008
5440	0.008
5450	0.008
5460	0.008
5470	0.008
5480	0.007
5490	0.007
5500	0.008
5510	0.007
5520	0.007
5530	0.007
5540	0.006
5550	0.007
5560	0.007
5570	0.006
5580	0.006
5590	0.007

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

5600	0.007
5610	0.007
5620	0.007
5630	0.006
5640	0.006
5650	0.007
5660	0.007
5670	0.006
5680	0.007
5690	0.007
5700	0.007
5710	0.007
5720	0.007
5730	0.008
5740	0.007
5750	0.007
5760	0.007
5770	0.007
5780	0.007
5790	0.006
5800	0.007
5810	0.007
5820	0.007
5830	0.007
5840	0.007
5850	0.007
5860	0.007
5870	0.007
5880	0.006
5890	0.007
5900	0.007
5910	0.007
5920	0.007
5930	0.006
5940	0.007
5950	0.007
5960	0.007
5970	0.007
5980	0.007
5990	0.007
6000	0.007
6010	0.008
6020	0.008
6030	0.008
6040	0.008
6050	0.007
6060	0.007
6070	0.007

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

6080	0.007
6090	0.007
6100	0.008
6110	0.007
6120	0.007
6130	0.008
6140	0.007
6150	0.008
6160	0.007
6170	0.007
6180	0.008
6190	0.007
6200	0.007
6210	0.006
6220	0.007
6230	0.007
6240	0.007
6250	0.007
6260	0.007
6270	0.007
6280	0.007
6290	0.006
6300	0.007
6310	0.007
6320	0.007
6330	0.007
6340	0.007
6350	0.007
6360	0.007
6370	0.007
6380	0.006
6390	0.007
6400	0.006
6410	0.006
6420	0.006
6430	0.007
6440	0.006
6450	0.006
6460	0.006
6470	0.006
6480	0.006
6490	0.006
6500	0.006
6510	0.008
6520	0.006
6530	0.006
6540	0.007
6550	0.006

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

6560	0.007
6570	0.006
6580	0.006
6590	0.006
6600	0.006
6610	0.007
6620	0.007
6630	0.006
6640	0.007
6650	0.006
6660	0.006
6670	0.006
6680	0.006
6690	0.006
6700	0.006
6710	0.006
6720	0.006
6730	0.006
6740	0.006
6750	0.006
6760	0.006
6770	0.006
6780	0.006
6790	0.006
6800	0.007
6810	0.006
6820	0.006
6830	0.006
6840	0.006
6850	0.006
6860	0.006
6870	0.006
6880	0.025
6890	0.008
6900	0.007
6910	0.044
6920	0.006
6930	0.006
6940	0.007
6950	0.006
6960	0.006
6970	0.006
6980	0.006
6990	0.007
7000	0.006
7010	0.006
7020	0.006
7030	0.007

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

7040	0.007
7050	0.006
7060	0.007
7070	0.006
7080	0.007
7090	0.007
7100	0.007
7110	0.006
7120	0.007
7130	0.006
7140	0.006
7150	0.006
7160	0.007
7170	0.006
7180	0.006
7190	0.007
7200	0.006
7210	0.006
7220	0.007
7230	0.007
7240	0.006
7250	0.007
7260	0.007
7270	0.007
7280	0.007
7290	0.007
7300	0.006
7310	0.007
7320	0.006
7330	0.007
7340	0.006
7350	0.006
7360	0.006
7370	0.006
7380	0.006
7390	0.006
7400	0.007
7410	0.006
7420	0.007
7430	0.006
7440	0.006
7450	0.006
7460	0.006
7470	0.009
7480	0.007
7490	0.007
7500	0.006
7510	0.006

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

7520	0.007
7530	0.007
7540	0.006
7550	0.006
7560	0.006
7570	0.007
7580	0.006
7590	0.007
7600	0.007
7610	0.007
7620	0.006
7630	0.006
7640	0.007
7650	0.007
7660	0.006
7670	0.007
7680	0.007
7690	0.007
7700	0.007
7710	0.006
7720	0.007
7730	0.006
7740	0.006
7750	0.006
7760	0.007
7770	0.007
7780	0.006
7790	0.007
7800	0.006
7810	0.006
7820	0.006
7830	0.007
7840	0.006
7850	0.007
7860	0.007
7870	0.006
7880	0.007
7890	0.007
7900	0.006
7910	0.007
7920	0.007
7930	0.007
7940	0.006
7950	0.006
7960	0.006
7970	0.006
7980	0.006
7990	0.007

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

8000	0.007
8010	0.007
8020	0.007
8030	0.007
8040	0.007
8050	0.007
8060	0.007
8070	0.006
8080	0.006
8090	0.006
8100	0.007
8110	0.007
8120	0.007
8130	0.007
8140	0.007
8150	0.007
8160	0.006
8170	0.006
8180	0.006
8190	0.006
8200	0.007
8210	0.007
8220	0.007
8230	0.007
8240	0.007
8250	0.007
8260	0.007
8270	0.007
8280	0.008
8290	0.007
8300	0.007
8310	0.007
8320	0.007
8330	0.007
8340	0.007
8350	0.006
8360	0.007
8370	0.007
8380	0.006
8390	0.007
8400	0.007
8410	0.006
8420	0.007
8430	0.008
8440	0.007
8450	0.007
8460	0.006
8470	0.007

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

8480	0.006
8490	0.007
8500	0.006
8510	0.006
8520	0.006
8530	0.006
8540	0.007
8550	0.007
8560	0.006
8570	0.007
8580	0.007
8590	0.006
8600	0.006
8610	0.007
8620	0.006
8630	0.006
8640	0.006
8650	0.006
8660	0.006
8670	0.006
8680	0.006
8690	0.006
8700	0.006
8710	0.006
8720	0.006
8730	0.007
8740	0.006
8750	0.006
8760	0.006
8770	0.006
8780	0.006
8790	0.006
8800	0.007
8810	0.007
8820	0.006
8830	0.006
8840	0.006
8850	0.007
8860	0.006
8870	0.006
8880	0.006
8890	0.006
8900	0.006
8910	0.006
8920	0.006
8930	0.006
8940	0.006
8950	0.007

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

8960	0.006
8970	0.006
8980	0.007
8990	0.007
9000	0.008
9010	0.007
9020	0.007
9030	0.006
9040	0.006
9050	0.008
9060	0.006
9070	0.006
9080	0.006
9090	0.006
9100	0.007
9110	0.006
9120	0.007
9130	0.007
9140	0.006
9150	0.007
9160	0.007
9170	0.006
9180	0.006
9190	0.006
9200	0.006
9210	0.006
9220	0.007
9230	0.006
9240	0.007
9250	0.006
9260	0.007
9270	0.006
9280	0.006
9290	0.006
9300	0.006
9310	0.009
9320	0.007
9330	0.007
9340	0.006
9350	0.006
9360	0.007
9370	0.007
9380	0.007
9390	0.007
9400	0.006
9410	0.008
9420	0.007
9430	0.007

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

9440	0.006
9450	0.007
9460	0.007
9470	0.006
9480	0.015
9490	0.059
9500	0.007
9510	0.006
9520	0.006
9530	0.007
9540	0.007
9550	0.007
9560	0.006
9570	0.007
9580	0.007
9590	0.007
9600	0.007
9610	0.006
9620	0.007
9630	0.007
9640	0.006
9650	0.007
9660	0.007
9670	0.007
9680	0.007
9690	0.007
9700	0.007
9710	0.007
9720	0.006
9730	0.007
9740	0.007
9750	0.007
9760	0.007
9770	0.007
9780	0.006
9790	0.006
9800	0.007
9810	0.006
9820	0.006
9830	0.007
9840	0.007
9850	0.006
9860	0.008
9870	0.007
9880	0.006
9890	0.011
9900	0.007
9910	0.007

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

9920	0.006
9930	0.007
9940	0.007
9950	0.007
9960	0.006
9970	0.006
9980	0.006
9990	0.006
10000	0.007
10010	0.006
10020	0.006
10030	0.006
10040	0.007
10050	0.006
10060	0.006
10070	0.006
10080	0.006
10090	0.007
10100	0.007
10110	0.007
10120	0.006
10130	0.007
10140	0.007
10150	0.007
10160	0.007
10170	0.006
10180	0.006
10190	0.006
10200	0.007
10210	0.007
10220	0.007
10230	0.006
10240	0.006
10250	0.006
10260	0.007
10270	0.007
10280	0.007
10290	0.007
10300	0.006
10310	0.007
10320	0.006
10330	0.007
10340	0.007
10350	0.007
10360	0.007
10370	0.007
10380	0.007
10390	0.007

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

10400	0.007
10410	0.007
10420	0.007
10430	0.006
10440	0.007
10450	0.007
10460	0.007
10470	0.006
10480	0.007
10490	0.007
10500	0.006
10510	0.007
10520	0.006
10530	0.006
10540	0.007
10550	0.007
10560	0.007
10570	0.006
10580	0.007
10590	0.007
10600	0.006
10610	0.006
10620	0.006
10630	0.007
10640	0.006
10650	0.006
10660	0.006
10670	0.007
10680	0.006
10690	0.007
10700	0.007
10710	0.006
10720	0.006
10730	0.006
10740	0.006
10750	0.006
10760	0.006
10770	0.006
10780	0.006
10790	0.006
10800	0.007
10810	0.006
10820	0.006
10830	0.007
10840	0.006
10850	0.006
10860	0.007
10870	0.007

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

10880	0.007
10890	0.007
10900	0.006
10910	0.007
10920	0.006
10930	0.007
10940	0.007
10950	0.007
10960	0.006
10970	0.007
10980	0.007
10990	0.006
11000	0.006
11010	0.007
11020	0.006
11030	0.006
11040	0.007
11050	0.006
11060	0.006
11070	0.007
11080	0.006
11090	0.007
11100	0.006
11110	0.007
11120	0.006
11130	0.006
11140	0.007
11150	0.006
11160	0.008
11170	0.007
11180	0.007
11190	0.007
11200	0.007
11210	0.007
11220	0.007
11230	0.007
11240	0.006
11250	0.008
11260	0.007
11270	0.007
11280	0.007
11290	0.007
11300	0.007
11310	0.007
11320	0.007
11330	0.007
11340	0.007
11350	0.007

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

11360	0.006
11370	0.007
11380	0.006
11390	0.007
11400	0.007
11410	0.006
11420	0.006
11430	0.007
11440	0.007
11450	0.007
11460	0.007
11470	0.007
11480	0.007
11490	0.006
11500	0.007
11510	0.006
11520	0.006
11530	0.007
11540	0.007
11550	0.01
11560	0.015
11570	0.012
11580	0.01
11590	0.011
11600	0.009
11610	0.009

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

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17/06/05 09:09

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-919032
Unit Firmware Ver	V2.14
Running Mode	Hygiene Mode
Datalog Mode	Manual
Diagnostic Mode	No
Stop Reason	Stop by User
Site ID	RAE00000
User ID	USER0000
Begin	6/5/2017 9:09
End	6/5/2017 14:27
Sample Period(s)	10
Number of Records	1906
Sensor	PID(ppm)
Sensor SN	S023030206U3
Measure Type	Avg
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	6/5/2017 7:37
Peak	N/A
Min	N/A
Average	N/A

****

Datalog

, , PID(ppm)
Index, Date/Time, (Avg)
001, 2017/06/05 09:09:30, 0.0
002, 2017/06/05 09:09:40, 0.0
003, 2017/06/05 09:09:50, 0.0
004, 2017/06/05 09:10:00, 0.0
005, 2017/06/05 09:10:10, 0.0
006, 2017/06/05 09:10:20, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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007, 2017/06/05 09:10:30, 0.0
008, 2017/06/05 09:10:40, 0.0
009, 2017/06/05 09:10:50, 0.0
010, 2017/06/05 09:11:00, 0.0
011, 2017/06/05 09:11:10, 0.0
012, 2017/06/05 09:11:20, 0.0
013, 2017/06/05 09:11:30, 0.0
014, 2017/06/05 09:11:40, 0.0
015, 2017/06/05 09:11:50, 0.0
016, 2017/06/05 09:12:00, 0.0
017, 2017/06/05 09:12:10, 0.0
018, 2017/06/05 09:12:20, 0.0
019, 2017/06/05 09:12:30, 0.0
020, 2017/06/05 09:12:40, 0.0
021, 2017/06/05 09:12:50, 0.0
022, 2017/06/05 09:13:00, 0.0
023, 2017/06/05 09:13:10, 0.0
024, 2017/06/05 09:13:20, 0.0
025, 2017/06/05 09:13:30, 0.0
026, 2017/06/05 09:13:40, 0.0
027, 2017/06/05 09:13:50, 0.0
028, 2017/06/05 09:14:00, 0.0
029, 2017/06/05 09:14:10, 0.0
030, 2017/06/05 09:14:20, 0.0
031, 2017/06/05 09:14:30, 0.0
032, 2017/06/05 09:14:40, 0.0
033, 2017/06/05 09:14:50, 0.0
034, 2017/06/05 09:15:00, 0.0
035, 2017/06/05 09:15:10, 0.0
036, 2017/06/05 09:15:20, 0.0
037, 2017/06/05 09:15:30, 0.0
038, 2017/06/05 09:15:40, 0.0
039, 2017/06/05 09:15:50, 0.0
040, 2017/06/05 09:16:00, 0.0
041, 2017/06/05 09:16:10, 0.0
042, 2017/06/05 09:16:20, 0.0
043, 2017/06/05 09:16:30, 0.0
044, 2017/06/05 09:16:40, 0.0
045, 2017/06/05 09:16:50, 0.0
046, 2017/06/05 09:17:00, 0.0
047, 2017/06/05 09:17:10, 0.0
048, 2017/06/05 09:17:20, 0.0
049, 2017/06/05 09:17:30, 0.0
050, 2017/06/05 09:17:40, 0.0
051, 2017/06/05 09:17:50, 0.0
052, 2017/06/05 09:18:00, 0.0
053, 2017/06/05 09:18:10, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

054, 2017/06/05 09:18:20, 0.0
055, 2017/06/05 09:18:30, 0.0
056, 2017/06/05 09:18:40, 0.0
057, 2017/06/05 09:18:50, 0.0
058, 2017/06/05 09:19:00, 0.0
059, 2017/06/05 09:19:10, 0.0
060, 2017/06/05 09:19:20, 0.0
061, 2017/06/05 09:19:30, 0.0
062, 2017/06/05 09:19:40, 0.0
063, 2017/06/05 09:19:50, 0.0
064, 2017/06/05 09:20:00, 0.0
065, 2017/06/05 09:20:10, 0.0
066, 2017/06/05 09:20:20, 0.0
067, 2017/06/05 09:20:30, 0.0
068, 2017/06/05 09:20:40, 0.0
069, 2017/06/05 09:20:50, 0.0
070, 2017/06/05 09:21:00, 0.0
071, 2017/06/05 09:21:10, 0.0
072, 2017/06/05 09:21:20, 0.0
073, 2017/06/05 09:21:30, 0.0
074, 2017/06/05 09:21:40, 0.0
075, 2017/06/05 09:21:50, 0.0
076, 2017/06/05 09:22:00, 0.0
077, 2017/06/05 09:22:10, 0.0
078, 2017/06/05 09:22:20, 0.0
079, 2017/06/05 09:22:30, 0.0
080, 2017/06/05 09:22:40, 0.0
081, 2017/06/05 09:22:50, 0.0
082, 2017/06/05 09:23:00, 0.0
083, 2017/06/05 09:23:10, 0.0
084, 2017/06/05 09:23:20, 0.0
085, 2017/06/05 09:23:30, 0.0
086, 2017/06/05 09:23:40, 0.0
087, 2017/06/05 09:23:50, 0.0
088, 2017/06/05 09:24:00, 0.0
089, 2017/06/05 09:24:10, 0.0
090, 2017/06/05 09:24:20, 0.0
091, 2017/06/05 09:24:30, 0.0
092, 2017/06/05 09:24:40, 0.0
093, 2017/06/05 09:24:50, 0.0
094, 2017/06/05 09:25:00, 0.0
095, 2017/06/05 09:25:10, 0.0
096, 2017/06/05 09:25:20, 0.0
097, 2017/06/05 09:25:30, 0.0
098, 2017/06/05 09:25:40, 0.0
099, 2017/06/05 09:25:50, 0.0
100, 2017/06/05 09:26:00, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

101, 2017/06/05 09:26:10, 0.0
102, 2017/06/05 09:26:20, 0.0
103, 2017/06/05 09:26:30, 0.0
104, 2017/06/05 09:26:40, 0.0
105, 2017/06/05 09:26:50, 0.0
106, 2017/06/05 09:27:00, 0.0
107, 2017/06/05 09:27:10, 0.0
108, 2017/06/05 09:27:20, 0.0
109, 2017/06/05 09:27:30, 0.0
110, 2017/06/05 09:27:40, 0.0
111, 2017/06/05 09:27:50, 0.0
112, 2017/06/05 09:28:00, 0.0
113, 2017/06/05 09:28:10, 0.0
114, 2017/06/05 09:28:20, 0.0
115, 2017/06/05 09:28:30, 0.0
116, 2017/06/05 09:28:40, 0.0
117, 2017/06/05 09:28:50, 0.0
118, 2017/06/05 09:29:00, 0.0
119, 2017/06/05 09:29:10, 0.0
120, 2017/06/05 09:29:20, 0.0
121, 2017/06/05 09:29:30, 0.0
122, 2017/06/05 09:29:40, 0.0
123, 2017/06/05 09:29:50, 0.0
124, 2017/06/05 09:30:00, 0.0
125, 2017/06/05 09:30:10, 0.0
126, 2017/06/05 09:30:20, 0.0
127, 2017/06/05 09:30:30, 0.0
128, 2017/06/05 09:30:40, 0.0
129, 2017/06/05 09:30:50, 0.0
130, 2017/06/05 09:31:00, 0.0
131, 2017/06/05 09:31:10, 0.0
132, 2017/06/05 09:31:20, 0.0
133, 2017/06/05 09:31:30, 0.0
134, 2017/06/05 09:31:40, 0.0
135, 2017/06/05 09:31:50, 0.0
136, 2017/06/05 09:32:00, 0.0
137, 2017/06/05 09:32:10, 0.0
138, 2017/06/05 09:32:20, 0.0
139, 2017/06/05 09:32:30, 0.0
140, 2017/06/05 09:32:40, 0.0
141, 2017/06/05 09:32:50, 0.0
142, 2017/06/05 09:33:00, 0.0
143, 2017/06/05 09:33:10, 0.0
144, 2017/06/05 09:33:20, 0.0
145, 2017/06/05 09:33:30, 0.0
146, 2017/06/05 09:33:40, 0.0
147, 2017/06/05 09:33:50, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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148, 2017/06/05 09:34:00, 0.0
149, 2017/06/05 09:34:10, 0.0
150, 2017/06/05 09:34:20, 0.0
151, 2017/06/05 09:34:30, 0.0
152, 2017/06/05 09:34:40, 0.0
153, 2017/06/05 09:34:50, 0.0
154, 2017/06/05 09:35:00, 0.0
155, 2017/06/05 09:35:10, 0.0
156, 2017/06/05 09:35:20, 0.0
157, 2017/06/05 09:35:30, 0.0
158, 2017/06/05 09:35:40, 0.0
159, 2017/06/05 09:35:50, 0.0
160, 2017/06/05 09:36:00, 0.0
161, 2017/06/05 09:36:10, 0.0
162, 2017/06/05 09:36:20, 0.0
163, 2017/06/05 09:36:30, 0.0
164, 2017/06/05 09:36:40, 0.0
165, 2017/06/05 09:36:50, 0.0
166, 2017/06/05 09:37:00, 0.0
167, 2017/06/05 09:37:10, 0.0
168, 2017/06/05 09:37:20, 0.0
169, 2017/06/05 09:37:30, 0.0
170, 2017/06/05 09:37:40, 0.0
171, 2017/06/05 09:37:50, 0.0
172, 2017/06/05 09:38:00, 0.0
173, 2017/06/05 09:38:10, 0.0
174, 2017/06/05 09:38:20, 0.0
175, 2017/06/05 09:38:30, 0.0
176, 2017/06/05 09:38:40, 0.0
177, 2017/06/05 09:38:50, 0.0
178, 2017/06/05 09:39:00, 0.0
179, 2017/06/05 09:39:10, 0.0
180, 2017/06/05 09:39:20, 0.0
181, 2017/06/05 09:39:30, 0.0
182, 2017/06/05 09:39:40, 0.0
183, 2017/06/05 09:39:50, 0.0
184, 2017/06/05 09:40:00, 0.0
185, 2017/06/05 09:40:10, 0.0
186, 2017/06/05 09:40:20, 0.0
187, 2017/06/05 09:40:30, 0.0
188, 2017/06/05 09:40:40, 0.0
189, 2017/06/05 09:40:50, 0.0
190, 2017/06/05 09:41:00, 0.0
191, 2017/06/05 09:41:10, 0.0
192, 2017/06/05 09:41:20, 0.0
193, 2017/06/05 09:41:30, 0.0
194, 2017/06/05 09:41:40, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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195, 2017/06/05 09:41:50, 0.0
196, 2017/06/05 09:42:00, 0.0
197, 2017/06/05 09:42:10, 0.0
198, 2017/06/05 09:42:20, 0.0
199, 2017/06/05 09:42:30, 0.0
200, 2017/06/05 09:42:40, 0.0
201, 2017/06/05 09:42:50, 0.0
202, 2017/06/05 09:43:00, 0.0
203, 2017/06/05 09:43:10, 0.0
204, 2017/06/05 09:43:20, 0.0
205, 2017/06/05 09:43:30, 0.0
206, 2017/06/05 09:43:40, 0.0
207, 2017/06/05 09:43:50, 0.0
208, 2017/06/05 09:44:00, 0.0
209, 2017/06/05 09:44:10, 0.0
210, 2017/06/05 09:44:20, 0.0
211, 2017/06/05 09:44:30, 0.0
212, 2017/06/05 09:44:40, 0.0
213, 2017/06/05 09:44:50, 0.0
214, 2017/06/05 09:45:00, 0.0
215, 2017/06/05 09:45:10, 0.0
216, 2017/06/05 09:45:20, 0.0
217, 2017/06/05 09:45:30, 0.0
218, 2017/06/05 09:45:40, 0.0
219, 2017/06/05 09:45:50, 0.0
220, 2017/06/05 09:46:00, 0.0
221, 2017/06/05 09:46:10, 0.0
222, 2017/06/05 09:46:20, 0.0
223, 2017/06/05 09:46:30, 0.0
224, 2017/06/05 09:46:40, 0.0
225, 2017/06/05 09:46:50, 0.0
226, 2017/06/05 09:47:00, 0.0
227, 2017/06/05 09:47:10, 0.0
228, 2017/06/05 09:47:20, 0.0
229, 2017/06/05 09:47:30, 0.0
230, 2017/06/05 09:47:40, 0.0
231, 2017/06/05 09:47:50, 0.0
232, 2017/06/05 09:48:00, 0.0
233, 2017/06/05 09:48:10, 0.0
234, 2017/06/05 09:48:20, 0.0
235, 2017/06/05 09:48:30, 0.0
236, 2017/06/05 09:48:40, 0.0
237, 2017/06/05 09:48:50, 0.0
238, 2017/06/05 09:49:00, 0.0
239, 2017/06/05 09:49:10, 0.0
240, 2017/06/05 09:49:20, 0.0
241, 2017/06/05 09:49:30, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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242, 2017/06/05 09:49:40, 0.0
243, 2017/06/05 09:49:50, 0.0
244, 2017/06/05 09:50:00, 0.0
245, 2017/06/05 09:50:10, 0.0
246, 2017/06/05 09:50:20, 0.0
247, 2017/06/05 09:50:30, 0.0
248, 2017/06/05 09:50:40, 0.0
249, 2017/06/05 09:50:50, 0.0
250, 2017/06/05 09:51:00, 0.0
251, 2017/06/05 09:51:10, 0.0
252, 2017/06/05 09:51:20, 0.0
253, 2017/06/05 09:51:30, 0.0
254, 2017/06/05 09:51:40, 0.0
255, 2017/06/05 09:51:50, 0.0
256, 2017/06/05 09:52:00, 0.0
257, 2017/06/05 09:52:10, 0.0
258, 2017/06/05 09:52:20, 0.0
259, 2017/06/05 09:52:30, 0.0
260, 2017/06/05 09:52:40, 0.0
261, 2017/06/05 09:52:50, 0.0
262, 2017/06/05 09:53:00, 0.0
263, 2017/06/05 09:53:10, 0.0
264, 2017/06/05 09:53:20, 0.0
265, 2017/06/05 09:53:30, 0.0
266, 2017/06/05 09:53:40, 0.0
267, 2017/06/05 09:53:50, 0.0
268, 2017/06/05 09:54:00, 0.0
269, 2017/06/05 09:54:10, 0.0
270, 2017/06/05 09:54:20, 0.0
271, 2017/06/05 09:54:30, 0.0
272, 2017/06/05 09:54:40, 0.0
273, 2017/06/05 09:54:50, 0.0
274, 2017/06/05 09:55:00, 0.0
275, 2017/06/05 09:55:10, 0.0
276, 2017/06/05 09:55:20, 0.0
277, 2017/06/05 09:55:30, 0.0
278, 2017/06/05 09:55:40, 0.0
279, 2017/06/05 09:55:50, 0.0
280, 2017/06/05 09:56:00, 0.0
281, 2017/06/05 09:56:10, 0.0
282, 2017/06/05 09:56:20, 0.0
283, 2017/06/05 09:56:30, 0.0
284, 2017/06/05 09:56:40, 0.0
285, 2017/06/05 09:56:50, 0.0
286, 2017/06/05 09:57:00, 0.0
287, 2017/06/05 09:57:10, 0.0
288, 2017/06/05 09:57:20, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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289, 2017/06/05 09:57:30, 0.0
290, 2017/06/05 09:57:40, 0.0
291, 2017/06/05 09:57:50, 0.0
292, 2017/06/05 09:58:00, 0.0
293, 2017/06/05 09:58:10, 0.0
294, 2017/06/05 09:58:20, 0.0
295, 2017/06/05 09:58:30, 0.0
296, 2017/06/05 09:58:40, 0.0
297, 2017/06/05 09:58:50, 0.0
298, 2017/06/05 09:59:00, 0.0
299, 2017/06/05 09:59:10, 0.0
300, 2017/06/05 09:59:20, 0.0
301, 2017/06/05 09:59:30, 0.0
302, 2017/06/05 09:59:40, 0.0
303, 2017/06/05 09:59:50, 0.0
304, 2017/06/05 10:00:00, 0.0
305, 2017/06/05 10:00:10, 0.0
306, 2017/06/05 10:00:20, 0.0
307, 2017/06/05 10:00:30, 0.0
308, 2017/06/05 10:00:40, 0.0
309, 2017/06/05 10:00:50, 0.0
310, 2017/06/05 10:01:00, 0.0
311, 2017/06/05 10:01:10, 0.0
312, 2017/06/05 10:01:20, 0.0
313, 2017/06/05 10:01:30, 0.0
314, 2017/06/05 10:01:40, 0.0
315, 2017/06/05 10:01:50, 0.0
316, 2017/06/05 10:02:00, 0.0
317, 2017/06/05 10:02:10, 0.0
318, 2017/06/05 10:02:20, 0.0
319, 2017/06/05 10:02:30, 0.0
320, 2017/06/05 10:02:40, 0.0
321, 2017/06/05 10:02:50, 0.0
322, 2017/06/05 10:03:00, 0.0
323, 2017/06/05 10:03:10, 0.0
324, 2017/06/05 10:03:20, 0.0
325, 2017/06/05 10:03:30, 0.0
326, 2017/06/05 10:03:40, 0.0
327, 2017/06/05 10:03:50, 0.0
328, 2017/06/05 10:04:00, 0.0
329, 2017/06/05 10:04:10, 0.0
330, 2017/06/05 10:04:20, 0.0
331, 2017/06/05 10:04:30, 0.0
332, 2017/06/05 10:04:40, 0.0
333, 2017/06/05 10:04:50, 0.0
334, 2017/06/05 10:05:00, 0.0
335, 2017/06/05 10:05:10, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

336, 2017/06/05 10:05:20, 0.0
337, 2017/06/05 10:05:30, 0.0
338, 2017/06/05 10:05:40, 0.0
339, 2017/06/05 10:05:50, 0.0
340, 2017/06/05 10:06:00, 0.0
341, 2017/06/05 10:06:10, 0.0
342, 2017/06/05 10:06:20, 0.0
343, 2017/06/05 10:06:30, 0.0
344, 2017/06/05 10:06:40, 0.0
345, 2017/06/05 10:06:50, 0.0
346, 2017/06/05 10:07:00, 0.0
347, 2017/06/05 10:07:10, 0.0
348, 2017/06/05 10:07:20, 0.0
349, 2017/06/05 10:07:30, 0.0
350, 2017/06/05 10:07:40, 0.0
351, 2017/06/05 10:07:50, 0.0
352, 2017/06/05 10:08:00, 0.0
353, 2017/06/05 10:08:10, 0.0
354, 2017/06/05 10:08:20, 0.0
355, 2017/06/05 10:08:30, 0.0
356, 2017/06/05 10:08:40, 0.0
357, 2017/06/05 10:08:50, 0.0
358, 2017/06/05 10:09:00, 0.0
359, 2017/06/05 10:09:10, 0.0
360, 2017/06/05 10:09:20, 0.0
361, 2017/06/05 10:09:30, 0.0
362, 2017/06/05 10:09:40, 0.0
363, 2017/06/05 10:09:50, 0.0
364, 2017/06/05 10:10:00, 0.0
365, 2017/06/05 10:10:10, 0.0
366, 2017/06/05 10:10:20, 0.0
367, 2017/06/05 10:10:30, 0.0
368, 2017/06/05 10:10:40, 0.0
369, 2017/06/05 10:10:50, 0.0
370, 2017/06/05 10:11:00, 0.0
371, 2017/06/05 10:11:10, 0.0
372, 2017/06/05 10:11:20, 0.0
373, 2017/06/05 10:11:30, 0.0
374, 2017/06/05 10:11:40, 0.0
375, 2017/06/05 10:11:50, 0.0
376, 2017/06/05 10:12:00, 0.0
377, 2017/06/05 10:12:10, 0.0
378, 2017/06/05 10:12:20, 0.0
379, 2017/06/05 10:12:30, 0.0
380, 2017/06/05 10:12:40, 0.0
381, 2017/06/05 10:12:50, 0.0
382, 2017/06/05 10:13:00, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

383, 2017/06/05 10:13:10, 0.0
384, 2017/06/05 10:13:20, 0.0
385, 2017/06/05 10:13:30, 0.0
386, 2017/06/05 10:13:40, 0.0
387, 2017/06/05 10:13:50, 0.0
388, 2017/06/05 10:14:00, 0.0
389, 2017/06/05 10:14:10, 0.0
390, 2017/06/05 10:14:20, 0.0
391, 2017/06/05 10:14:30, 0.0
392, 2017/06/05 10:14:40, 0.0
393, 2017/06/05 10:14:50, 0.0
394, 2017/06/05 10:15:00, 0.0
395, 2017/06/05 10:15:10, 0.0
396, 2017/06/05 10:15:20, 0.0
397, 2017/06/05 10:15:30, 0.0
398, 2017/06/05 10:15:40, 0.0
399, 2017/06/05 10:15:50, 0.0
400, 2017/06/05 10:16:00, 0.0
401, 2017/06/05 10:16:10, 0.0
402, 2017/06/05 10:16:20, 0.0
403, 2017/06/05 10:16:30, 0.0
404, 2017/06/05 10:16:40, 0.0
405, 2017/06/05 10:16:50, 0.0
406, 2017/06/05 10:17:00, 0.0
407, 2017/06/05 10:17:10, 0.0
408, 2017/06/05 10:17:20, 0.0
409, 2017/06/05 10:17:30, 0.0
410, 2017/06/05 10:17:40, 0.0
411, 2017/06/05 10:17:50, 0.0
412, 2017/06/05 10:18:00, 0.0
413, 2017/06/05 10:18:10, 0.0
414, 2017/06/05 10:18:20, 0.0
415, 2017/06/05 10:18:30, 0.0
416, 2017/06/05 10:18:40, 0.0
417, 2017/06/05 10:18:50, 0.0
418, 2017/06/05 10:19:00, 0.0
419, 2017/06/05 10:19:10, 0.0
420, 2017/06/05 10:19:20, 0.0
421, 2017/06/05 10:19:30, 0.0
422, 2017/06/05 10:19:40, 0.0
423, 2017/06/05 10:19:50, 0.0
424, 2017/06/05 10:20:00, 0.0
425, 2017/06/05 10:20:10, 0.0
426, 2017/06/05 10:20:20, 0.0
427, 2017/06/05 10:20:30, 0.0
428, 2017/06/05 10:20:40, 0.0
429, 2017/06/05 10:20:50, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

430, 2017/06/05 10:21:00, 0.0
431, 2017/06/05 10:21:10, 0.0
432, 2017/06/05 10:21:20, 0.0
433, 2017/06/05 10:21:30, 0.0
434, 2017/06/05 10:21:40, 0.0
435, 2017/06/05 10:21:50, 0.0
436, 2017/06/05 10:22:00, 0.0
437, 2017/06/05 10:22:10, 0.0
438, 2017/06/05 10:22:20, 0.0
439, 2017/06/05 10:22:30, 0.0
440, 2017/06/05 10:22:40, 0.0
441, 2017/06/05 10:22:50, 0.0
442, 2017/06/05 10:23:00, 0.0
443, 2017/06/05 10:23:10, 0.0
444, 2017/06/05 10:23:20, 0.0
445, 2017/06/05 10:23:30, 0.0
446, 2017/06/05 10:23:40, 0.0
447, 2017/06/05 10:23:50, 0.0
448, 2017/06/05 10:24:00, 0.0
449, 2017/06/05 10:24:10, 0.0
450, 2017/06/05 10:24:20, 0.0
451, 2017/06/05 10:24:30, 0.0
452, 2017/06/05 10:24:40, 0.0
453, 2017/06/05 10:24:50, 0.0
454, 2017/06/05 10:25:00, 0.0
455, 2017/06/05 10:25:10, 0.0
456, 2017/06/05 10:25:20, 0.0
457, 2017/06/05 10:25:30, 0.0
458, 2017/06/05 10:25:40, 0.0
459, 2017/06/05 10:25:50, 0.0
460, 2017/06/05 10:26:00, 0.0
461, 2017/06/05 10:26:10, 0.0
462, 2017/06/05 10:26:20, 0.0
463, 2017/06/05 10:26:30, 0.0
464, 2017/06/05 10:26:40, 0.0
465, 2017/06/05 10:26:50, 0.0
466, 2017/06/05 10:27:00, 0.0
467, 2017/06/05 10:27:10, 0.0
468, 2017/06/05 10:27:20, 0.0
469, 2017/06/05 10:27:30, 0.0
470, 2017/06/05 10:27:40, 0.0
471, 2017/06/05 10:27:50, 0.0
472, 2017/06/05 10:28:00, 0.0
473, 2017/06/05 10:28:10, 0.0
474, 2017/06/05 10:28:20, 0.0
475, 2017/06/05 10:28:30, 0.0
476, 2017/06/05 10:28:40, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

477, 2017/06/05 10:28:50, 0.0
478, 2017/06/05 10:29:00, 0.0
479, 2017/06/05 10:29:10, 0.0
480, 2017/06/05 10:29:20, 0.0
481, 2017/06/05 10:29:30, 0.0
482, 2017/06/05 10:29:40, 0.0
483, 2017/06/05 10:29:50, 0.0
484, 2017/06/05 10:30:00, 0.0
485, 2017/06/05 10:30:10, 0.0
486, 2017/06/05 10:30:20, 0.0
487, 2017/06/05 10:30:30, 0.0
488, 2017/06/05 10:30:40, 0.0
489, 2017/06/05 10:30:50, 0.0
490, 2017/06/05 10:31:00, 0.0
491, 2017/06/05 10:31:10, 0.0
492, 2017/06/05 10:31:20, 0.0
493, 2017/06/05 10:31:30, 0.0
494, 2017/06/05 10:31:40, 0.0
495, 2017/06/05 10:31:50, 0.0
496, 2017/06/05 10:32:00, 0.0
497, 2017/06/05 10:32:10, 0.0
498, 2017/06/05 10:32:20, 0.0
499, 2017/06/05 10:32:30, 0.0
500, 2017/06/05 10:32:40, 0.0
501, 2017/06/05 10:32:50, 0.0
502, 2017/06/05 10:33:00, 0.0
503, 2017/06/05 10:33:10, 0.0
504, 2017/06/05 10:33:20, 0.0
505, 2017/06/05 10:33:30, 0.0
506, 2017/06/05 10:33:40, 0.0
507, 2017/06/05 10:33:50, 0.0
508, 2017/06/05 10:34:00, 0.0
509, 2017/06/05 10:34:10, 0.0
510, 2017/06/05 10:34:20, 0.0
511, 2017/06/05 10:34:30, 0.0
512, 2017/06/05 10:34:40, 0.0
513, 2017/06/05 10:34:50, 0.0
514, 2017/06/05 10:35:00, 0.0
515, 2017/06/05 10:35:10, 0.0
516, 2017/06/05 10:35:20, 0.0
517, 2017/06/05 10:35:30, 0.0
518, 2017/06/05 10:35:40, 0.0
519, 2017/06/05 10:35:50, 0.0
520, 2017/06/05 10:36:00, 0.0
521, 2017/06/05 10:36:10, 0.0
522, 2017/06/05 10:36:20, 0.0
523, 2017/06/05 10:36:30, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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524, 2017/06/05 10:36:40, 0.0
525, 2017/06/05 10:36:50, 0.0
526, 2017/06/05 10:37:00, 0.0
527, 2017/06/05 10:37:10, 0.0
528, 2017/06/05 10:37:20, 0.0
529, 2017/06/05 10:37:30, 0.0
530, 2017/06/05 10:37:40, 0.0
531, 2017/06/05 10:37:50, 0.0
532, 2017/06/05 10:38:00, 0.0
533, 2017/06/05 10:38:10, 0.0
534, 2017/06/05 10:38:20, 0.0
535, 2017/06/05 10:38:30, 0.0
536, 2017/06/05 10:38:40, 0.0
537, 2017/06/05 10:38:50, 0.0
538, 2017/06/05 10:39:00, 0.0
539, 2017/06/05 10:39:10, 0.0
540, 2017/06/05 10:39:20, 0.0
541, 2017/06/05 10:39:30, 0.0
542, 2017/06/05 10:39:40, 0.0
543, 2017/06/05 10:39:50, 0.0
544, 2017/06/05 10:40:00, 0.0
545, 2017/06/05 10:40:10, 0.0
546, 2017/06/05 10:40:20, 0.0
547, 2017/06/05 10:40:30, 0.0
548, 2017/06/05 10:40:40, 0.0
549, 2017/06/05 10:40:50, 0.0
550, 2017/06/05 10:41:00, 0.0
551, 2017/06/05 10:41:10, 0.0
552, 2017/06/05 10:41:20, 0.0
553, 2017/06/05 10:41:30, 0.0
554, 2017/06/05 10:41:40, 0.0
555, 2017/06/05 10:41:50, 0.0
556, 2017/06/05 10:42:00, 0.0
557, 2017/06/05 10:42:10, 0.0
558, 2017/06/05 10:42:20, 0.0
559, 2017/06/05 10:42:30, 0.0
560, 2017/06/05 10:42:40, 0.0
561, 2017/06/05 10:42:50, 0.0
562, 2017/06/05 10:43:00, 0.0
563, 2017/06/05 10:43:10, 0.0
564, 2017/06/05 10:43:20, 0.0
565, 2017/06/05 10:43:30, 0.0
566, 2017/06/05 10:43:40, 0.0
567, 2017/06/05 10:43:50, 0.0
568, 2017/06/05 10:44:00, 0.0
569, 2017/06/05 10:44:10, 0.0
570, 2017/06/05 10:44:20, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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571, 2017/06/05 10:44:30, 0.0
572, 2017/06/05 10:44:40, 0.0
573, 2017/06/05 10:44:50, 0.0
574, 2017/06/05 10:45:00, 0.0
575, 2017/06/05 10:45:10, 0.0
576, 2017/06/05 10:45:20, 0.0
577, 2017/06/05 10:45:30, 0.0
578, 2017/06/05 10:45:40, 0.0
579, 2017/06/05 10:45:50, 0.0
580, 2017/06/05 10:46:00, 0.0
581, 2017/06/05 10:46:10, 0.0
582, 2017/06/05 10:46:20, 0.0
583, 2017/06/05 10:46:30, 0.0
584, 2017/06/05 10:46:40, 0.0
585, 2017/06/05 10:46:50, 0.0
586, 2017/06/05 10:47:00, 0.0
587, 2017/06/05 10:47:10, 0.0
588, 2017/06/05 10:47:20, 0.0
589, 2017/06/05 10:47:30, 0.0
590, 2017/06/05 10:47:40, 0.0
591, 2017/06/05 10:47:50, 0.0
592, 2017/06/05 10:48:00, 0.0
593, 2017/06/05 10:48:10, 0.0
594, 2017/06/05 10:48:20, 0.0
595, 2017/06/05 10:48:30, 0.0
596, 2017/06/05 10:48:40, 0.0
597, 2017/06/05 10:48:50, 0.0
598, 2017/06/05 10:49:00, 0.0
599, 2017/06/05 10:49:10, 0.0
600, 2017/06/05 10:49:20, 0.0
601, 2017/06/05 10:49:30, 0.0
602, 2017/06/05 10:49:40, 0.0
603, 2017/06/05 10:49:50, 0.0
604, 2017/06/05 10:50:00, 0.0
605, 2017/06/05 10:50:10, 0.0
606, 2017/06/05 10:50:20, 0.0
607, 2017/06/05 10:50:30, 0.0
608, 2017/06/05 10:50:40, 0.0
609, 2017/06/05 10:50:50, 0.0
610, 2017/06/05 10:51:00, 0.0
611, 2017/06/05 10:51:10, 0.0
612, 2017/06/05 10:51:20, 0.0
613, 2017/06/05 10:51:30, 0.0
614, 2017/06/05 10:51:40, 0.0
615, 2017/06/05 10:51:50, 0.0
616, 2017/06/05 10:52:00, 0.0
617, 2017/06/05 10:52:10, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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618, 2017/06/05 10:52:20, 0.0
619, 2017/06/05 10:52:30, 0.0
620, 2017/06/05 10:52:40, 0.0
621, 2017/06/05 10:52:50, 0.0
622, 2017/06/05 10:53:00, 0.0
623, 2017/06/05 10:53:10, 0.0
624, 2017/06/05 10:53:20, 0.0
625, 2017/06/05 10:53:30, 0.0
626, 2017/06/05 10:53:40, 0.0
627, 2017/06/05 10:53:50, 0.0
628, 2017/06/05 10:54:00, 0.0
629, 2017/06/05 10:54:10, 0.0
630, 2017/06/05 10:54:20, 0.0
631, 2017/06/05 10:54:30, 0.0
632, 2017/06/05 10:54:40, 0.0
633, 2017/06/05 10:54:50, 0.0
634, 2017/06/05 10:55:00, 0.0
635, 2017/06/05 10:55:10, 0.0
636, 2017/06/05 10:55:20, 0.0
637, 2017/06/05 10:55:30, 0.0
638, 2017/06/05 10:55:40, 0.0
639, 2017/06/05 10:55:50, 0.0
640, 2017/06/05 10:56:00, 0.0
641, 2017/06/05 10:56:10, 0.0
642, 2017/06/05 10:56:20, 0.0
643, 2017/06/05 10:56:30, 0.0
644, 2017/06/05 10:56:40, 0.0
645, 2017/06/05 10:56:50, 0.0
646, 2017/06/05 10:57:00, 0.0
647, 2017/06/05 10:57:10, 0.0
648, 2017/06/05 10:57:20, 0.0
649, 2017/06/05 10:57:30, 0.0
650, 2017/06/05 10:57:40, 0.0
651, 2017/06/05 10:57:50, 0.0
652, 2017/06/05 10:58:00, 0.0
653, 2017/06/05 10:58:10, 0.0
654, 2017/06/05 10:58:20, 0.0
655, 2017/06/05 10:58:30, 0.0
656, 2017/06/05 10:58:40, 0.0
657, 2017/06/05 10:58:50, 0.0
658, 2017/06/05 10:59:00, 0.0
659, 2017/06/05 10:59:10, 0.0
660, 2017/06/05 10:59:20, 0.0
661, 2017/06/05 10:59:30, 0.0
662, 2017/06/05 10:59:40, 0.0
663, 2017/06/05 10:59:50, 0.0
664, 2017/06/05 11:00:00, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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665, 2017/06/05 11:00:10, 0.0
666, 2017/06/05 11:00:20, 0.0
667, 2017/06/05 11:00:30, 0.0
668, 2017/06/05 11:00:40, 0.0
669, 2017/06/05 11:00:50, 0.0
670, 2017/06/05 11:01:00, 0.0
671, 2017/06/05 11:01:10, 0.0
672, 2017/06/05 11:01:20, 0.0
673, 2017/06/05 11:01:30, 0.0
674, 2017/06/05 11:01:40, 0.0
675, 2017/06/05 11:01:50, 0.0
676, 2017/06/05 11:02:00, 0.0
677, 2017/06/05 11:02:10, 0.0
678, 2017/06/05 11:02:20, 0.0
679, 2017/06/05 11:02:30, 0.0
680, 2017/06/05 11:02:40, 0.0
681, 2017/06/05 11:02:50, 0.0
682, 2017/06/05 11:03:00, 0.0
683, 2017/06/05 11:03:10, 0.0
684, 2017/06/05 11:03:20, 0.0
685, 2017/06/05 11:03:30, 0.0
686, 2017/06/05 11:03:40, 0.0
687, 2017/06/05 11:03:50, 0.0
688, 2017/06/05 11:04:00, 0.0
689, 2017/06/05 11:04:10, 0.0
690, 2017/06/05 11:04:20, 0.0
691, 2017/06/05 11:04:30, 0.0
692, 2017/06/05 11:04:40, 0.0
693, 2017/06/05 11:04:50, 0.0
694, 2017/06/05 11:05:00, 0.0
695, 2017/06/05 11:05:10, 0.0
696, 2017/06/05 11:05:20, 0.0
697, 2017/06/05 11:05:30, 0.0
698, 2017/06/05 11:05:40, 0.0
699, 2017/06/05 11:05:50, 0.0
700, 2017/06/05 11:06:00, 0.0
701, 2017/06/05 11:06:10, 0.0
702, 2017/06/05 11:06:20, 0.0
703, 2017/06/05 11:06:30, 0.0
704, 2017/06/05 11:06:40, 0.0
705, 2017/06/05 11:06:50, 0.0
706, 2017/06/05 11:07:00, 0.0
707, 2017/06/05 11:07:10, 0.0
708, 2017/06/05 11:07:20, 0.0
709, 2017/06/05 11:07:30, 0.0
710, 2017/06/05 11:07:40, 0.0
711, 2017/06/05 11:07:50, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

712, 2017/06/05 11:08:00, 0.0
713, 2017/06/05 11:08:10, 0.0
714, 2017/06/05 11:08:20, 0.0
715, 2017/06/05 11:08:30, 0.0
716, 2017/06/05 11:08:40, 0.0
717, 2017/06/05 11:08:50, 0.0
718, 2017/06/05 11:09:00, 0.0
719, 2017/06/05 11:09:10, 0.0
720, 2017/06/05 11:09:20, 0.0
721, 2017/06/05 11:09:30, 0.0
722, 2017/06/05 11:09:40, 0.0
723, 2017/06/05 11:09:50, 0.0
724, 2017/06/05 11:10:00, 0.0
725, 2017/06/05 11:10:10, 0.0
726, 2017/06/05 11:10:20, 0.0
727, 2017/06/05 11:10:30, 0.0
728, 2017/06/05 11:10:40, 0.0
729, 2017/06/05 11:10:50, 0.0
730, 2017/06/05 11:11:00, 0.0
731, 2017/06/05 11:11:10, 0.0
732, 2017/06/05 11:11:20, 0.0
733, 2017/06/05 11:11:30, 0.0
734, 2017/06/05 11:11:40, 0.0
735, 2017/06/05 11:11:50, 0.0
736, 2017/06/05 11:12:00, 0.0
737, 2017/06/05 11:12:10, 0.0
738, 2017/06/05 11:12:20, 0.0
739, 2017/06/05 11:12:30, 0.0
740, 2017/06/05 11:12:40, 0.0
741, 2017/06/05 11:12:50, 0.0
742, 2017/06/05 11:13:00, 0.0
743, 2017/06/05 11:13:10, 0.0
744, 2017/06/05 11:13:20, 0.0
745, 2017/06/05 11:13:30, 0.0
746, 2017/06/05 11:13:40, 0.0
747, 2017/06/05 11:13:50, 0.0
748, 2017/06/05 11:14:00, 0.0
749, 2017/06/05 11:14:10, 0.0
750, 2017/06/05 11:14:20, 0.0
751, 2017/06/05 11:14:30, 0.0
752, 2017/06/05 11:14:40, 0.0
753, 2017/06/05 11:14:50, 0.0
754, 2017/06/05 11:15:00, 0.0
755, 2017/06/05 11:15:10, 0.0
756, 2017/06/05 11:15:20, 0.0
757, 2017/06/05 11:15:30, 0.0
758, 2017/06/05 11:15:40, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

759, 2017/06/05 11:15:50, 0.0
760, 2017/06/05 11:16:00, 0.0
761, 2017/06/05 11:16:10, 0.0
762, 2017/06/05 11:16:20, 0.0
763, 2017/06/05 11:16:30, 0.0
764, 2017/06/05 11:16:40, 0.0
765, 2017/06/05 11:16:50, 0.0
766, 2017/06/05 11:17:00, 0.0
767, 2017/06/05 11:17:10, 0.0
768, 2017/06/05 11:17:20, 0.0
769, 2017/06/05 11:17:30, 0.0
770, 2017/06/05 11:17:40, 0.0
771, 2017/06/05 11:17:50, 0.0
772, 2017/06/05 11:18:00, 0.0
773, 2017/06/05 11:18:10, 0.0
774, 2017/06/05 11:18:20, 0.0
775, 2017/06/05 11:18:30, 0.0
776, 2017/06/05 11:18:40, 0.0
777, 2017/06/05 11:18:50, 0.0
778, 2017/06/05 11:19:00, 0.0
779, 2017/06/05 11:19:10, 0.0
780, 2017/06/05 11:19:20, 0.0
781, 2017/06/05 11:19:30, 0.0
782, 2017/06/05 11:19:40, 0.0
783, 2017/06/05 11:19:50, 0.0
784, 2017/06/05 11:20:00, 0.0
785, 2017/06/05 11:20:10, 0.0
786, 2017/06/05 11:20:20, 0.0
787, 2017/06/05 11:20:30, 0.0
788, 2017/06/05 11:20:40, 0.0
789, 2017/06/05 11:20:50, 0.0
790, 2017/06/05 11:21:00, 0.0
791, 2017/06/05 11:21:10, 0.0
792, 2017/06/05 11:21:20, 0.0
793, 2017/06/05 11:21:30, 0.0
794, 2017/06/05 11:21:40, 0.0
795, 2017/06/05 11:21:50, 0.0
796, 2017/06/05 11:22:00, 0.0
797, 2017/06/05 11:22:10, 0.0
798, 2017/06/05 11:22:20, 0.0
799, 2017/06/05 11:22:30, 0.0
800, 2017/06/05 11:22:40, 0.0
801, 2017/06/05 11:22:50, 0.0
802, 2017/06/05 11:23:00, 0.0
803, 2017/06/05 11:23:10, 0.0
804, 2017/06/05 11:23:20, 0.0
805, 2017/06/05 11:23:30, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

806, 2017/06/05 11:23:40, 0.0
807, 2017/06/05 11:23:50, 0.0
808, 2017/06/05 11:24:00, 0.0
809, 2017/06/05 11:24:10, 0.0
810, 2017/06/05 11:24:20, 0.0
811, 2017/06/05 11:24:30, 0.0
812, 2017/06/05 11:24:40, 0.0
813, 2017/06/05 11:24:50, 0.0
814, 2017/06/05 11:25:00, 0.0
815, 2017/06/05 11:25:10, 0.0
816, 2017/06/05 11:25:20, 0.0
817, 2017/06/05 11:25:30, 0.0
818, 2017/06/05 11:25:40, 0.0
819, 2017/06/05 11:25:50, 0.0
820, 2017/06/05 11:26:00, 0.0
821, 2017/06/05 11:26:10, 0.0
822, 2017/06/05 11:26:20, 0.0
823, 2017/06/05 11:26:30, 0.0
824, 2017/06/05 11:26:40, 0.0
825, 2017/06/05 11:26:50, 0.0
826, 2017/06/05 11:27:00, 0.0
827, 2017/06/05 11:27:10, 0.0
828, 2017/06/05 11:27:20, 0.0
829, 2017/06/05 11:27:30, 0.0
830, 2017/06/05 11:27:40, 0.0
831, 2017/06/05 11:27:50, 0.0
832, 2017/06/05 11:28:00, 0.0
833, 2017/06/05 11:28:10, 0.0
834, 2017/06/05 11:28:20, 0.0
835, 2017/06/05 11:28:30, 0.0
836, 2017/06/05 11:28:40, 0.0
837, 2017/06/05 11:28:50, 0.0
838, 2017/06/05 11:29:00, 0.0
839, 2017/06/05 11:29:10, 0.0
840, 2017/06/05 11:29:20, 0.0
841, 2017/06/05 11:29:30, 0.0
842, 2017/06/05 11:29:40, 0.0
843, 2017/06/05 11:29:50, 0.0
844, 2017/06/05 11:30:00, 0.0
845, 2017/06/05 11:30:10, 0.0
846, 2017/06/05 11:30:20, 0.0
847, 2017/06/05 11:30:30, 0.0
848, 2017/06/05 11:30:40, 0.0
849, 2017/06/05 11:30:50, 0.0
850, 2017/06/05 11:31:00, 0.0
851, 2017/06/05 11:31:10, 0.0
852, 2017/06/05 11:31:20, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

853, 2017/06/05 11:31:30, 0.0
854, 2017/06/05 11:31:40, 0.0
855, 2017/06/05 11:31:50, 0.0
856, 2017/06/05 11:32:00, 0.0
857, 2017/06/05 11:32:10, 0.0
858, 2017/06/05 11:32:20, 0.0
859, 2017/06/05 11:32:30, 0.0
860, 2017/06/05 11:32:40, 0.0
861, 2017/06/05 11:32:50, 0.0
862, 2017/06/05 11:33:00, 0.0
863, 2017/06/05 11:33:10, 0.0
864, 2017/06/05 11:33:20, 0.0
865, 2017/06/05 11:33:30, 0.0
866, 2017/06/05 11:33:40, 0.0
867, 2017/06/05 11:33:50, 0.0
868, 2017/06/05 11:34:00, 0.0
869, 2017/06/05 11:34:10, 0.0
870, 2017/06/05 11:34:20, 0.0
871, 2017/06/05 11:34:30, 0.0
872, 2017/06/05 11:34:40, 0.0
873, 2017/06/05 11:34:50, 0.0
874, 2017/06/05 11:35:00, 0.0
875, 2017/06/05 11:35:10, 0.0
876, 2017/06/05 11:35:20, 0.0
877, 2017/06/05 11:35:30, 0.0
878, 2017/06/05 11:35:40, 0.0
879, 2017/06/05 11:35:50, 0.0
880, 2017/06/05 11:36:00, 0.0
881, 2017/06/05 11:36:10, 0.0
882, 2017/06/05 11:36:20, 0.0
883, 2017/06/05 11:36:30, 0.0
884, 2017/06/05 11:36:40, 0.0
885, 2017/06/05 11:36:50, 0.0
886, 2017/06/05 11:37:00, 0.0
887, 2017/06/05 11:37:10, 0.0
888, 2017/06/05 11:37:20, 0.0
889, 2017/06/05 11:37:30, 0.0
890, 2017/06/05 11:37:40, 0.0
891, 2017/06/05 11:37:50, 0.0
892, 2017/06/05 11:38:00, 0.0
893, 2017/06/05 11:38:10, 0.0
894, 2017/06/05 11:38:20, 0.0
895, 2017/06/05 11:38:30, 0.0
896, 2017/06/05 11:38:40, 0.0
897, 2017/06/05 11:38:50, 0.0
898, 2017/06/05 11:39:00, 0.0
899, 2017/06/05 11:39:10, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

900, 2017/06/05 11:39:20, 0.0
901, 2017/06/05 11:39:30, 0.0
902, 2017/06/05 11:39:40, 0.0
903, 2017/06/05 11:39:50, 0.0
904, 2017/06/05 11:40:00, 0.0
905, 2017/06/05 11:40:10, 0.0
906, 2017/06/05 11:40:20, 0.0
907, 2017/06/05 11:40:30, 0.0
908, 2017/06/05 11:40:40, 0.0
909, 2017/06/05 11:40:50, 0.0
910, 2017/06/05 11:41:00, 0.0
911, 2017/06/05 11:41:10, 0.0
912, 2017/06/05 11:41:20, 0.0
913, 2017/06/05 11:41:30, 0.0
914, 2017/06/05 11:41:40, 0.0
915, 2017/06/05 11:41:50, 0.0
916, 2017/06/05 11:42:00, 0.0
917, 2017/06/05 11:42:10, 0.0
918, 2017/06/05 11:42:20, 0.0
919, 2017/06/05 11:42:30, 0.0
920, 2017/06/05 11:42:40, 0.0
921, 2017/06/05 11:42:50, 0.0
922, 2017/06/05 11:43:00, 0.0
923, 2017/06/05 11:43:10, 0.0
924, 2017/06/05 11:43:20, 0.0
925, 2017/06/05 11:43:30, 0.0
926, 2017/06/05 11:43:40, 0.0
927, 2017/06/05 11:43:50, 0.0
928, 2017/06/05 11:44:00, 0.0
929, 2017/06/05 11:44:10, 0.0
930, 2017/06/05 11:44:20, 0.0
931, 2017/06/05 11:44:30, 0.0
932, 2017/06/05 11:44:40, 0.0
933, 2017/06/05 11:44:50, 0.0
934, 2017/06/05 11:45:00, 0.0
935, 2017/06/05 11:45:10, 0.0
936, 2017/06/05 11:45:20, 0.0
937, 2017/06/05 11:45:30, 0.0
938, 2017/06/05 11:45:40, 0.0
939, 2017/06/05 11:45:50, 0.0
940, 2017/06/05 11:46:00, 0.0
941, 2017/06/05 11:46:10, 0.0
942, 2017/06/05 11:46:20, 0.0
943, 2017/06/05 11:46:30, 0.0
944, 2017/06/05 11:46:40, 0.0
945, 2017/06/05 11:46:50, 0.0
946, 2017/06/05 11:47:00, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

947, 2017/06/05 11:47:10, 0.0
948, 2017/06/05 11:47:20, 0.0
949, 2017/06/05 11:47:30, 0.0
950, 2017/06/05 11:47:40, 0.0
951, 2017/06/05 11:47:50, 0.0
952, 2017/06/05 11:48:00, 0.0
953, 2017/06/05 11:48:10, 0.0
954, 2017/06/05 11:48:20, 0.0
955, 2017/06/05 11:48:30, 0.0
956, 2017/06/05 11:48:40, 0.0
957, 2017/06/05 11:48:50, 0.0
958, 2017/06/05 11:49:00, 0.0
959, 2017/06/05 11:49:10, 0.0
960, 2017/06/05 11:49:20, 0.0
961, 2017/06/05 11:49:30, 0.0
962, 2017/06/05 11:49:40, 0.0
963, 2017/06/05 11:49:50, 0.0
964, 2017/06/05 11:50:00, 0.0
965, 2017/06/05 11:50:10, 0.0
966, 2017/06/05 11:50:20, 0.0
967, 2017/06/05 11:50:30, 0.0
968, 2017/06/05 11:50:40, 0.0
969, 2017/06/05 11:50:50, 0.0
970, 2017/06/05 11:51:00, 0.0
971, 2017/06/05 11:51:10, 0.0
972, 2017/06/05 11:51:20, 0.0
973, 2017/06/05 11:51:30, 0.0
974, 2017/06/05 11:51:40, 0.0
975, 2017/06/05 11:51:50, 0.0
976, 2017/06/05 11:52:00, 0.0
977, 2017/06/05 11:52:10, 0.0
978, 2017/06/05 11:52:20, 0.0
979, 2017/06/05 11:52:30, 0.0
980, 2017/06/05 11:52:40, 0.0
981, 2017/06/05 11:52:50, 0.0
982, 2017/06/05 11:53:00, 0.0
983, 2017/06/05 11:53:10, 0.0
984, 2017/06/05 11:53:20, 0.0
985, 2017/06/05 11:53:30, 0.0
986, 2017/06/05 11:53:40, 0.0
987, 2017/06/05 11:53:50, 0.0
988, 2017/06/05 11:54:00, 0.0
989, 2017/06/05 11:54:10, 0.0
990, 2017/06/05 11:54:20, 0.0
991, 2017/06/05 11:54:30, 0.0
992, 2017/06/05 11:54:40, 0.0
993, 2017/06/05 11:54:50, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

994, 2017/06/05 11:55:00, 0.0
995, 2017/06/05 11:55:10, 0.0
996, 2017/06/05 11:55:20, 0.0
997, 2017/06/05 11:55:30, 0.0
998, 2017/06/05 11:55:40, 0.0
999, 2017/06/05 11:55:50, 0.0
1000, 2017/06/05 11:56:00, 0.0
1001, 2017/06/05 11:56:10, 0.0
1002, 2017/06/05 11:56:20, 0.0
1003, 2017/06/05 11:56:30, 0.0
1004, 2017/06/05 11:56:40, 0.0
1005, 2017/06/05 11:56:50, 0.0
1006, 2017/06/05 11:57:00, 0.0
1007, 2017/06/05 11:57:10, 0.0
1008, 2017/06/05 11:57:20, 0.0
1009, 2017/06/05 11:57:30, 0.0
1010, 2017/06/05 11:57:40, 0.0
1011, 2017/06/05 11:57:50, 0.0
1012, 2017/06/05 11:58:00, 0.0
1013, 2017/06/05 11:58:10, 0.0
1014, 2017/06/05 11:58:20, 0.0
1015, 2017/06/05 11:58:30, 0.0
1016, 2017/06/05 11:58:40, 0.0
1017, 2017/06/05 11:58:50, 0.0
1018, 2017/06/05 11:59:00, 0.0
1019, 2017/06/05 11:59:10, 0.0
1020, 2017/06/05 11:59:20, 0.0
1021, 2017/06/05 11:59:30, 0.0
1022, 2017/06/05 11:59:40, 0.0
1023, 2017/06/05 11:59:50, 0.0
1024, 2017/06/05 12:00:00, 0.0
1025, 2017/06/05 12:00:10, 0.0
1026, 2017/06/05 12:00:20, 0.0
1027, 2017/06/05 12:00:30, 0.0
1028, 2017/06/05 12:00:40, 0.0
1029, 2017/06/05 12:00:50, 0.0
1030, 2017/06/05 12:01:00, 0.0
1031, 2017/06/05 12:01:10, 0.0
1032, 2017/06/05 12:01:20, 0.0
1033, 2017/06/05 12:01:30, 0.0
1034, 2017/06/05 12:01:40, 0.0
1035, 2017/06/05 12:01:50, 0.0
1036, 2017/06/05 12:02:00, 0.0
1037, 2017/06/05 12:02:10, 0.0
1038, 2017/06/05 12:02:20, 0.0
1039, 2017/06/05 12:02:30, 0.0
1040, 2017/06/05 12:02:40, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

1041, 2017/06/05 12:02:50, 0.0
1042, 2017/06/05 12:03:00, 0.0
1043, 2017/06/05 12:03:10, 0.0
1044, 2017/06/05 12:03:20, 0.0
1045, 2017/06/05 12:03:30, 0.0
1046, 2017/06/05 12:03:40, 0.0
1047, 2017/06/05 12:03:50, 0.0
1048, 2017/06/05 12:04:00, 0.0
1049, 2017/06/05 12:04:10, 0.0
1050, 2017/06/05 12:04:20, 0.0
1051, 2017/06/05 12:04:30, 0.0
1052, 2017/06/05 12:04:40, 0.0
1053, 2017/06/05 12:04:50, 0.0
1054, 2017/06/05 12:05:00, 0.0
1055, 2017/06/05 12:05:10, 0.0
1056, 2017/06/05 12:05:20, 0.0
1057, 2017/06/05 12:05:30, 0.0
1058, 2017/06/05 12:05:40, 0.0
1059, 2017/06/05 12:05:50, 0.0
1060, 2017/06/05 12:06:00, 0.0
1061, 2017/06/05 12:06:10, 0.0
1062, 2017/06/05 12:06:20, 0.0
1063, 2017/06/05 12:06:30, 0.0
1064, 2017/06/05 12:06:40, 0.0
1065, 2017/06/05 12:06:50, 0.0
1066, 2017/06/05 12:07:00, 0.0
1067, 2017/06/05 12:07:10, 0.0
1068, 2017/06/05 12:07:20, 0.0
1069, 2017/06/05 12:07:30, 0.0
1070, 2017/06/05 12:07:40, 0.0
1071, 2017/06/05 12:07:50, 0.0
1072, 2017/06/05 12:08:00, 0.0
1073, 2017/06/05 12:08:10, 0.0
1074, 2017/06/05 12:08:20, 0.0
1075, 2017/06/05 12:08:30, 0.0
1076, 2017/06/05 12:08:40, 0.0
1077, 2017/06/05 12:08:50, 0.0
1078, 2017/06/05 12:09:00, 0.0
1079, 2017/06/05 12:09:10, 0.0
1080, 2017/06/05 12:09:20, 0.0
1081, 2017/06/05 12:09:30, 0.0
1082, 2017/06/05 12:09:40, 0.0
1083, 2017/06/05 12:09:50, 0.0
1084, 2017/06/05 12:10:00, 0.0
1085, 2017/06/05 12:10:10, 0.0
1086, 2017/06/05 12:10:20, 0.0
1087, 2017/06/05 12:10:30, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

1088, 2017/06/05 12:10:40, 0.0
1089, 2017/06/05 12:10:50, 0.0
1090, 2017/06/05 12:11:00, 0.0
1091, 2017/06/05 12:11:10, 0.0
1092, 2017/06/05 12:11:20, 0.0
1093, 2017/06/05 12:11:30, 0.0
1094, 2017/06/05 12:11:40, 0.0
1095, 2017/06/05 12:11:50, 0.0
1096, 2017/06/05 12:12:00, 0.0
1097, 2017/06/05 12:12:10, 0.0
1098, 2017/06/05 12:12:20, 0.0
1099, 2017/06/05 12:12:30, 0.0
1100, 2017/06/05 12:12:40, 0.0
1101, 2017/06/05 12:12:50, 0.0
1102, 2017/06/05 12:13:00, 0.0
1103, 2017/06/05 12:13:10, 0.0
1104, 2017/06/05 12:13:20, 0.0
1105, 2017/06/05 12:13:30, 0.0
1106, 2017/06/05 12:13:40, 0.0
1107, 2017/06/05 12:13:50, 0.0
1108, 2017/06/05 12:14:00, 0.0
1109, 2017/06/05 12:14:10, 0.0
1110, 2017/06/05 12:14:20, 0.0
1111, 2017/06/05 12:14:30, 0.0
1112, 2017/06/05 12:14:40, 0.0
1113, 2017/06/05 12:14:50, 0.0
1114, 2017/06/05 12:15:00, 0.0
1115, 2017/06/05 12:15:10, 0.0
1116, 2017/06/05 12:15:20, 0.0
1117, 2017/06/05 12:15:30, 0.0
1118, 2017/06/05 12:15:40, 0.0
1119, 2017/06/05 12:15:50, 0.0
1120, 2017/06/05 12:16:00, 0.0
1121, 2017/06/05 12:16:10, 0.0
1122, 2017/06/05 12:16:20, 0.0
1123, 2017/06/05 12:16:30, 0.0
1124, 2017/06/05 12:16:40, 0.0
1125, 2017/06/05 12:16:50, 0.0
1126, 2017/06/05 12:17:00, 0.0
1127, 2017/06/05 12:17:10, 0.0
1128, 2017/06/05 12:17:20, 0.0
1129, 2017/06/05 12:17:30, 0.0
1130, 2017/06/05 12:17:40, 0.0
1131, 2017/06/05 12:17:50, 0.0
1132, 2017/06/05 12:18:00, 0.0
1133, 2017/06/05 12:18:10, 0.0
1134, 2017/06/05 12:18:20, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

1135, 2017/06/05 12:18:30, 0.0
1136, 2017/06/05 12:18:40, 0.0
1137, 2017/06/05 12:18:50, 0.0
1138, 2017/06/05 12:19:00, 0.0
1139, 2017/06/05 12:19:10, 0.0
1140, 2017/06/05 12:19:20, 0.0
1141, 2017/06/05 12:19:30, 0.0
1142, 2017/06/05 12:19:40, 0.0
1143, 2017/06/05 12:19:50, 0.0
1144, 2017/06/05 12:20:00, 0.0
1145, 2017/06/05 12:20:10, 0.0
1146, 2017/06/05 12:20:20, 0.0
1147, 2017/06/05 12:20:30, 0.0
1148, 2017/06/05 12:20:40, 0.0
1149, 2017/06/05 12:20:50, 0.0
1150, 2017/06/05 12:21:00, 0.0
1151, 2017/06/05 12:21:10, 0.0
1152, 2017/06/05 12:21:20, 0.0
1153, 2017/06/05 12:21:30, 0.0
1154, 2017/06/05 12:21:40, 0.0
1155, 2017/06/05 12:21:50, 0.0
1156, 2017/06/05 12:22:00, 0.0
1157, 2017/06/05 12:22:10, 0.0
1158, 2017/06/05 12:22:20, 0.0
1159, 2017/06/05 12:22:30, 0.0
1160, 2017/06/05 12:22:40, 0.0
1161, 2017/06/05 12:22:50, 0.0
1162, 2017/06/05 12:23:00, 0.0
1163, 2017/06/05 12:23:10, 0.0
1164, 2017/06/05 12:23:20, 0.0
1165, 2017/06/05 12:23:30, 0.0
1166, 2017/06/05 12:23:40, 0.0
1167, 2017/06/05 12:23:50, 0.0
1168, 2017/06/05 12:24:00, 0.0
1169, 2017/06/05 12:24:10, 0.0
1170, 2017/06/05 12:24:20, 0.0
1171, 2017/06/05 12:24:30, 0.0
1172, 2017/06/05 12:24:40, 0.0
1173, 2017/06/05 12:24:50, 0.0
1174, 2017/06/05 12:25:00, 0.0
1175, 2017/06/05 12:25:10, 0.0
1176, 2017/06/05 12:25:20, 0.0
1177, 2017/06/05 12:25:30, 0.0
1178, 2017/06/05 12:25:40, 0.0
1179, 2017/06/05 12:25:50, 0.0
1180, 2017/06/05 12:26:00, 0.0
1181, 2017/06/05 12:26:10, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

1182, 2017/06/05 12:26:20, 0.0
1183, 2017/06/05 12:26:30, 0.0
1184, 2017/06/05 12:26:40, 0.0
1185, 2017/06/05 12:26:50, 0.0
1186, 2017/06/05 12:27:00, 0.0
1187, 2017/06/05 12:27:10, 0.0
1188, 2017/06/05 12:27:20, 0.0
1189, 2017/06/05 12:27:30, 0.0
1190, 2017/06/05 12:27:40, 0.0
1191, 2017/06/05 12:27:50, 0.0
1192, 2017/06/05 12:28:00, 0.0
1193, 2017/06/05 12:28:10, 0.0
1194, 2017/06/05 12:28:20, 0.0
1195, 2017/06/05 12:28:30, 0.0
1196, 2017/06/05 12:28:40, 0.0
1197, 2017/06/05 12:28:50, 0.0
1198, 2017/06/05 12:29:00, 0.0
1199, 2017/06/05 12:29:10, 0.0
1200, 2017/06/05 12:29:20, 0.0
1201, 2017/06/05 12:29:30, 0.0
1202, 2017/06/05 12:29:40, 0.0
1203, 2017/06/05 12:29:50, 0.0
1204, 2017/06/05 12:30:00, 0.0
1205, 2017/06/05 12:30:10, 0.0
1206, 2017/06/05 12:30:20, 0.0
1207, 2017/06/05 12:30:30, 0.0
1208, 2017/06/05 12:30:40, 0.0
1209, 2017/06/05 12:30:50, 0.0
1210, 2017/06/05 12:31:00, 0.0
1211, 2017/06/05 12:31:10, 0.0
1212, 2017/06/05 12:31:20, 0.0
1213, 2017/06/05 12:31:30, 0.0
1214, 2017/06/05 12:31:40, 0.0
1215, 2017/06/05 12:31:50, 0.0
1216, 2017/06/05 12:32:00, 0.0
1217, 2017/06/05 12:32:10, 0.0
1218, 2017/06/05 12:32:20, 0.0
1219, 2017/06/05 12:32:30, 0.0
1220, 2017/06/05 12:32:40, 0.0
1221, 2017/06/05 12:32:50, 0.0
1222, 2017/06/05 12:33:00, 0.0
1223, 2017/06/05 12:33:10, 0.0
1224, 2017/06/05 12:33:20, 0.0
1225, 2017/06/05 12:33:30, 0.0
1226, 2017/06/05 12:33:40, 0.0
1227, 2017/06/05 12:33:50, 0.0
1228, 2017/06/05 12:34:00, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

1229, 2017/06/05 12:34:10, 0.0
1230, 2017/06/05 12:34:20, 0.0
1231, 2017/06/05 12:34:30, 0.0
1232, 2017/06/05 12:34:40, 0.0
1233, 2017/06/05 12:34:50, 0.0
1234, 2017/06/05 12:35:00, 0.0
1235, 2017/06/05 12:35:10, 0.0
1236, 2017/06/05 12:35:20, 0.0
1237, 2017/06/05 12:35:30, 0.0
1238, 2017/06/05 12:35:40, 0.0
1239, 2017/06/05 12:35:50, 0.0
1240, 2017/06/05 12:36:00, 0.0
1241, 2017/06/05 12:36:10, 0.0
1242, 2017/06/05 12:36:20, 0.0
1243, 2017/06/05 12:36:30, 0.0
1244, 2017/06/05 12:36:40, 0.0
1245, 2017/06/05 12:36:50, 0.0
1246, 2017/06/05 12:37:00, 0.0
1247, 2017/06/05 12:37:10, 0.0
1248, 2017/06/05 12:37:20, 0.0
1249, 2017/06/05 12:37:30, 0.0
1250, 2017/06/05 12:37:40, 0.0
1251, 2017/06/05 12:37:50, 0.0
1252, 2017/06/05 12:38:00, 0.0
1253, 2017/06/05 12:38:10, 0.0
1254, 2017/06/05 12:38:20, 0.0
1255, 2017/06/05 12:38:30, 0.0
1256, 2017/06/05 12:38:40, 0.0
1257, 2017/06/05 12:38:50, 0.0
1258, 2017/06/05 12:39:00, 0.0
1259, 2017/06/05 12:39:10, 0.0
1260, 2017/06/05 12:39:20, 0.0
1261, 2017/06/05 12:39:30, 0.0
1262, 2017/06/05 12:39:40, 0.0
1263, 2017/06/05 12:39:50, 0.0
1264, 2017/06/05 12:40:00, 0.0
1265, 2017/06/05 12:40:10, 0.0
1266, 2017/06/05 12:40:20, 0.0
1267, 2017/06/05 12:40:30, 0.0
1268, 2017/06/05 12:40:40, 0.0
1269, 2017/06/05 12:40:50, 0.0
1270, 2017/06/05 12:41:00, 0.0
1271, 2017/06/05 12:41:10, 0.0
1272, 2017/06/05 12:41:20, 0.0
1273, 2017/06/05 12:41:30, 0.0
1274, 2017/06/05 12:41:40, 0.0
1275, 2017/06/05 12:41:50, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

1276, 2017/06/05 12:42:00, 0.0
1277, 2017/06/05 12:42:10, 0.0
1278, 2017/06/05 12:42:20, 0.0
1279, 2017/06/05 12:42:30, 0.0
1280, 2017/06/05 12:42:40, 0.0
1281, 2017/06/05 12:42:50, 0.0
1282, 2017/06/05 12:43:00, 0.0
1283, 2017/06/05 12:43:10, 0.0
1284, 2017/06/05 12:43:20, 0.0
1285, 2017/06/05 12:43:30, 0.0
1286, 2017/06/05 12:43:40, 0.0
1287, 2017/06/05 12:43:50, 0.0
1288, 2017/06/05 12:44:00, 0.0
1289, 2017/06/05 12:44:10, 0.0
1290, 2017/06/05 12:44:20, 0.0
1291, 2017/06/05 12:44:30, 0.0
1292, 2017/06/05 12:44:40, 0.0
1293, 2017/06/05 12:44:50, 0.0
1294, 2017/06/05 12:45:00, 0.0
1295, 2017/06/05 12:45:10, 0.0
1296, 2017/06/05 12:45:20, 0.0
1297, 2017/06/05 12:45:30, 0.0
1298, 2017/06/05 12:45:40, 0.0
1299, 2017/06/05 12:45:50, 0.0
1300, 2017/06/05 12:46:00, 0.0
1301, 2017/06/05 12:46:10, 0.0
1302, 2017/06/05 12:46:20, 0.0
1303, 2017/06/05 12:46:30, 0.0
1304, 2017/06/05 12:46:40, 0.0
1305, 2017/06/05 12:46:50, 0.0
1306, 2017/06/05 12:47:00, 0.0
1307, 2017/06/05 12:47:10, 0.0
1308, 2017/06/05 12:47:20, 0.0
1309, 2017/06/05 12:47:30, 0.0
1310, 2017/06/05 12:47:40, 0.0
1311, 2017/06/05 12:47:50, 0.0
1312, 2017/06/05 12:48:00, 0.0
1313, 2017/06/05 12:48:10, 0.0
1314, 2017/06/05 12:48:20, 0.0
1315, 2017/06/05 12:48:30, 0.0
1316, 2017/06/05 12:48:40, 0.0
1317, 2017/06/05 12:48:50, 0.0
1318, 2017/06/05 12:49:00, 0.0
1319, 2017/06/05 12:49:10, 0.0
1320, 2017/06/05 12:49:20, 0.0
1321, 2017/06/05 12:49:30, 0.0
1322, 2017/06/05 12:49:40, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

1323, 2017/06/05 12:49:50, 0.0
1324, 2017/06/05 12:50:00, 0.0
1325, 2017/06/05 12:50:10, 0.0
1326, 2017/06/05 12:50:20, 0.0
1327, 2017/06/05 12:50:30, 0.0
1328, 2017/06/05 12:50:40, 0.0
1329, 2017/06/05 12:50:50, 0.0
1330, 2017/06/05 12:51:00, 0.0
1331, 2017/06/05 12:51:10, 0.0
1332, 2017/06/05 12:51:20, 0.0
1333, 2017/06/05 12:51:30, 0.0
1334, 2017/06/05 12:51:40, 0.0
1335, 2017/06/05 12:51:50, 0.0
1336, 2017/06/05 12:52:00, 0.0
1337, 2017/06/05 12:52:10, 0.0
1338, 2017/06/05 12:52:20, 0.0
1339, 2017/06/05 12:52:30, 0.0
1340, 2017/06/05 12:52:40, 0.0
1341, 2017/06/05 12:52:50, 0.0
1342, 2017/06/05 12:53:00, 0.0
1343, 2017/06/05 12:53:10, 0.0
1344, 2017/06/05 12:53:20, 0.0
1345, 2017/06/05 12:53:30, 0.0
1346, 2017/06/05 12:53:40, 0.0
1347, 2017/06/05 12:53:50, 0.0
1348, 2017/06/05 12:54:00, 0.0
1349, 2017/06/05 12:54:10, 0.0
1350, 2017/06/05 12:54:20, 0.0
1351, 2017/06/05 12:54:30, 0.0
1352, 2017/06/05 12:54:40, 0.0
1353, 2017/06/05 12:54:50, 0.0
1354, 2017/06/05 12:55:00, 0.0
1355, 2017/06/05 12:55:10, 0.0
1356, 2017/06/05 12:55:20, 0.0
1357, 2017/06/05 12:55:30, 0.0
1358, 2017/06/05 12:55:40, 0.0
1359, 2017/06/05 12:55:50, 0.0
1360, 2017/06/05 12:56:00, 0.0
1361, 2017/06/05 12:56:10, 0.0
1362, 2017/06/05 12:56:20, 0.0
1363, 2017/06/05 12:56:30, 0.0
1364, 2017/06/05 12:56:40, 0.0
1365, 2017/06/05 12:56:50, 0.0
1366, 2017/06/05 12:57:00, 0.0
1367, 2017/06/05 12:57:10, 0.0
1368, 2017/06/05 12:57:20, 0.0
1369, 2017/06/05 12:57:30, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

1370, 2017/06/05 12:57:40, 0.0
1371, 2017/06/05 12:57:50, 0.0
1372, 2017/06/05 12:58:00, 0.0
1373, 2017/06/05 12:58:10, 0.0
1374, 2017/06/05 12:58:20, 0.0
1375, 2017/06/05 12:58:30, 0.0
1376, 2017/06/05 12:58:40, 0.0
1377, 2017/06/05 12:58:50, 0.0
1378, 2017/06/05 12:59:00, 0.0
1379, 2017/06/05 12:59:10, 0.0
1380, 2017/06/05 12:59:20, 0.0
1381, 2017/06/05 12:59:30, 0.0
1382, 2017/06/05 12:59:40, 0.0
1383, 2017/06/05 12:59:50, 0.0
1384, 2017/06/05 13:00:00, 0.0
1385, 2017/06/05 13:00:10, 0.0
1386, 2017/06/05 13:00:20, 0.0
1387, 2017/06/05 13:00:30, 0.0
1388, 2017/06/05 13:00:40, 0.0
1389, 2017/06/05 13:00:50, 0.0
1390, 2017/06/05 13:01:00, 0.0
1391, 2017/06/05 13:01:10, 0.0
1392, 2017/06/05 13:01:20, 0.0
1393, 2017/06/05 13:01:30, 0.0
1394, 2017/06/05 13:01:40, 0.0
1395, 2017/06/05 13:01:50, 0.0
1396, 2017/06/05 13:02:00, 0.0
1397, 2017/06/05 13:02:10, 0.0
1398, 2017/06/05 13:02:20, 0.0
1399, 2017/06/05 13:02:30, 0.0
1400, 2017/06/05 13:02:40, 0.0
1401, 2017/06/05 13:02:50, 0.0
1402, 2017/06/05 13:03:00, 0.0
1403, 2017/06/05 13:03:10, 0.0
1404, 2017/06/05 13:03:20, 0.0
1405, 2017/06/05 13:03:30, 0.0
1406, 2017/06/05 13:03:40, 0.0
1407, 2017/06/05 13:03:50, 0.0
1408, 2017/06/05 13:04:00, 0.0
1409, 2017/06/05 13:04:10, 0.0
1410, 2017/06/05 13:04:20, 0.0
1411, 2017/06/05 13:04:30, 0.0
1412, 2017/06/05 13:04:40, 0.0
1413, 2017/06/05 13:04:50, 0.0
1414, 2017/06/05 13:05:00, 0.0
1415, 2017/06/05 13:05:10, 0.0
1416, 2017/06/05 13:05:20, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

1417, 2017/06/05 13:05:30, 0.0
1418, 2017/06/05 13:05:40, 0.0
1419, 2017/06/05 13:05:50, 0.0
1420, 2017/06/05 13:06:00, 0.0
1421, 2017/06/05 13:06:10, 0.0
1422, 2017/06/05 13:06:20, 0.0
1423, 2017/06/05 13:06:30, 0.0
1424, 2017/06/05 13:06:40, 0.0
1425, 2017/06/05 13:06:50, 0.0
1426, 2017/06/05 13:07:00, 0.0
1427, 2017/06/05 13:07:10, 0.0
1428, 2017/06/05 13:07:20, 0.0
1429, 2017/06/05 13:07:30, 0.0
1430, 2017/06/05 13:07:40, 0.0
1431, 2017/06/05 13:07:50, 0.0
1432, 2017/06/05 13:08:00, 0.0
1433, 2017/06/05 13:08:10, 0.0
1434, 2017/06/05 13:08:20, 0.0
1435, 2017/06/05 13:08:30, 0.0
1436, 2017/06/05 13:08:40, 0.0
1437, 2017/06/05 13:08:50, 0.0
1438, 2017/06/05 13:09:00, 0.0
1439, 2017/06/05 13:09:10, 0.0
1440, 2017/06/05 13:09:20, 0.0
1441, 2017/06/05 13:09:30, 0.0
1442, 2017/06/05 13:09:40, 0.0
1443, 2017/06/05 13:09:50, 0.0
1444, 2017/06/05 13:10:00, 0.0
1445, 2017/06/05 13:10:10, 0.0
1446, 2017/06/05 13:10:20, 0.0
1447, 2017/06/05 13:10:30, 0.0
1448, 2017/06/05 13:10:40, 0.0
1449, 2017/06/05 13:10:50, 0.0
1450, 2017/06/05 13:11:00, 0.0
1451, 2017/06/05 13:11:10, 0.0
1452, 2017/06/05 13:11:20, 0.0
1453, 2017/06/05 13:11:30, 0.0
1454, 2017/06/05 13:11:40, 0.0
1455, 2017/06/05 13:11:50, 0.0
1456, 2017/06/05 13:12:00, 0.0
1457, 2017/06/05 13:12:10, 0.0
1458, 2017/06/05 13:12:20, 0.0
1459, 2017/06/05 13:12:30, 0.0
1460, 2017/06/05 13:12:40, 0.0
1461, 2017/06/05 13:12:50, 0.0
1462, 2017/06/05 13:13:00, 0.0
1463, 2017/06/05 13:13:10, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

1464, 2017/06/05 13:13:20, 0.0
1465, 2017/06/05 13:13:30, 0.0
1466, 2017/06/05 13:13:40, 0.0
1467, 2017/06/05 13:13:50, 0.0
1468, 2017/06/05 13:14:00, 0.0
1469, 2017/06/05 13:14:10, 0.0
1470, 2017/06/05 13:14:20, 0.0
1471, 2017/06/05 13:14:30, 0.0
1472, 2017/06/05 13:14:40, 0.0
1473, 2017/06/05 13:14:50, 0.0
1474, 2017/06/05 13:15:00, 0.0
1475, 2017/06/05 13:15:10, 0.0
1476, 2017/06/05 13:15:20, 0.0
1477, 2017/06/05 13:15:30, 0.0
1478, 2017/06/05 13:15:40, 0.0
1479, 2017/06/05 13:15:50, 0.0
1480, 2017/06/05 13:16:00, 0.0
1481, 2017/06/05 13:16:10, 0.0
1482, 2017/06/05 13:16:20, 0.0
1483, 2017/06/05 13:16:30, 0.0
1484, 2017/06/05 13:16:40, 0.0
1485, 2017/06/05 13:16:50, 0.0
1486, 2017/06/05 13:17:00, 0.0
1487, 2017/06/05 13:17:10, 0.0
1488, 2017/06/05 13:17:20, 0.0
1489, 2017/06/05 13:17:30, 0.0
1490, 2017/06/05 13:17:40, 0.0
1491, 2017/06/05 13:17:50, 0.0
1492, 2017/06/05 13:18:00, 0.0
1493, 2017/06/05 13:18:10, 0.0
1494, 2017/06/05 13:18:20, 0.0
1495, 2017/06/05 13:18:30, 0.0
1496, 2017/06/05 13:18:40, 0.0
1497, 2017/06/05 13:18:50, 0.0
1498, 2017/06/05 13:19:00, 0.0
1499, 2017/06/05 13:19:10, 0.0
1500, 2017/06/05 13:19:20, 0.0
1501, 2017/06/05 13:19:30, 0.0
1502, 2017/06/05 13:19:40, 0.0
1503, 2017/06/05 13:19:50, 0.0
1504, 2017/06/05 13:20:00, 0.0
1505, 2017/06/05 13:20:10, 0.0
1506, 2017/06/05 13:20:20, 0.0
1507, 2017/06/05 13:20:30, 0.0
1508, 2017/06/05 13:20:40, 0.0
1509, 2017/06/05 13:20:50, 0.0
1510, 2017/06/05 13:21:00, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

1511, 2017/06/05 13:21:10, 0.0
1512, 2017/06/05 13:21:20, 0.0
1513, 2017/06/05 13:21:30, 0.0
1514, 2017/06/05 13:21:40, 0.0
1515, 2017/06/05 13:21:50, 0.0
1516, 2017/06/05 13:22:00, 0.0
1517, 2017/06/05 13:22:10, 0.0
1518, 2017/06/05 13:22:20, 0.0
1519, 2017/06/05 13:22:30, 0.0
1520, 2017/06/05 13:22:40, 0.0
1521, 2017/06/05 13:22:50, 0.0
1522, 2017/06/05 13:23:00, 0.0
1523, 2017/06/05 13:23:10, 0.0
1524, 2017/06/05 13:23:20, 0.0
1525, 2017/06/05 13:23:30, 0.0
1526, 2017/06/05 13:23:40, 0.0
1527, 2017/06/05 13:23:50, 0.0
1528, 2017/06/05 13:24:00, 0.0
1529, 2017/06/05 13:24:10, 0.0
1530, 2017/06/05 13:24:20, 0.0
1531, 2017/06/05 13:24:30, 0.0
1532, 2017/06/05 13:24:40, 0.0
1533, 2017/06/05 13:24:50, 0.0
1534, 2017/06/05 13:25:00, 0.0
1535, 2017/06/05 13:25:10, 0.0
1536, 2017/06/05 13:25:20, 0.0
1537, 2017/06/05 13:25:30, 0.0
1538, 2017/06/05 13:25:40, 0.0
1539, 2017/06/05 13:25:50, 0.0
1540, 2017/06/05 13:26:00, 0.0
1541, 2017/06/05 13:26:10, 0.0
1542, 2017/06/05 13:26:20, 0.0
1543, 2017/06/05 13:26:30, 0.0
1544, 2017/06/05 13:26:40, 0.0
1545, 2017/06/05 13:26:50, 0.0
1546, 2017/06/05 13:27:00, 0.0
1547, 2017/06/05 13:27:10, 0.0
1548, 2017/06/05 13:27:20, 0.0
1549, 2017/06/05 13:27:30, 0.0
1550, 2017/06/05 13:27:40, 0.0
1551, 2017/06/05 13:27:50, 0.0
1552, 2017/06/05 13:28:00, 0.0
1553, 2017/06/05 13:28:10, 0.0
1554, 2017/06/05 13:28:20, 0.0
1555, 2017/06/05 13:28:30, 0.0
1556, 2017/06/05 13:28:40, 0.0
1557, 2017/06/05 13:28:50, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

1558, 2017/06/05 13:29:00, 0.0
1559, 2017/06/05 13:29:10, 0.0
1560, 2017/06/05 13:29:20, 0.0
1561, 2017/06/05 13:29:30, 0.0
1562, 2017/06/05 13:29:40, 0.0
1563, 2017/06/05 13:29:50, 0.0
1564, 2017/06/05 13:30:00, 0.0
1565, 2017/06/05 13:30:10, 0.0
1566, 2017/06/05 13:30:20, 0.0
1567, 2017/06/05 13:30:30, 0.0
1568, 2017/06/05 13:30:40, 0.0
1569, 2017/06/05 13:30:50, 0.0
1570, 2017/06/05 13:31:00, 0.0
1571, 2017/06/05 13:31:10, 0.0
1572, 2017/06/05 13:31:20, 0.0
1573, 2017/06/05 13:31:30, 0.0
1574, 2017/06/05 13:31:40, 0.0
1575, 2017/06/05 13:31:50, 0.0
1576, 2017/06/05 13:32:00, 0.0
1577, 2017/06/05 13:32:10, 0.0
1578, 2017/06/05 13:32:20, 0.0
1579, 2017/06/05 13:32:30, 0.0
1580, 2017/06/05 13:32:40, 0.0
1581, 2017/06/05 13:32:50, 0.0
1582, 2017/06/05 13:33:00, 0.0
1583, 2017/06/05 13:33:10, 0.0
1584, 2017/06/05 13:33:20, 0.0
1585, 2017/06/05 13:33:30, 0.0
1586, 2017/06/05 13:33:40, 0.0
1587, 2017/06/05 13:33:50, 0.0
1588, 2017/06/05 13:34:00, 0.0
1589, 2017/06/05 13:34:10, 0.0
1590, 2017/06/05 13:34:20, 0.0
1591, 2017/06/05 13:34:30, 0.0
1592, 2017/06/05 13:34:40, 0.0
1593, 2017/06/05 13:34:50, 0.0
1594, 2017/06/05 13:35:00, 0.0
1595, 2017/06/05 13:35:10, 0.0
1596, 2017/06/05 13:35:20, 0.0
1597, 2017/06/05 13:35:30, 0.0
1598, 2017/06/05 13:35:40, 0.0
1599, 2017/06/05 13:35:50, 0.0
1600, 2017/06/05 13:36:00, 0.0
1601, 2017/06/05 13:36:10, 0.0
1602, 2017/06/05 13:36:20, 0.0
1603, 2017/06/05 13:36:30, 0.0
1604, 2017/06/05 13:36:40, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

1605, 2017/06/05 13:36:50, 0.0
1606, 2017/06/05 13:37:00, 0.0
1607, 2017/06/05 13:37:10, 0.0
1608, 2017/06/05 13:37:20, 0.0
1609, 2017/06/05 13:37:30, 0.0
1610, 2017/06/05 13:37:40, 0.0
1611, 2017/06/05 13:37:50, 0.0
1612, 2017/06/05 13:38:00, 0.0
1613, 2017/06/05 13:38:10, 0.0
1614, 2017/06/05 13:38:20, 0.0
1615, 2017/06/05 13:38:30, 0.0
1616, 2017/06/05 13:38:40, 0.0
1617, 2017/06/05 13:38:50, 0.0
1618, 2017/06/05 13:39:00, 0.0
1619, 2017/06/05 13:39:10, 0.0
1620, 2017/06/05 13:39:20, 0.0
1621, 2017/06/05 13:39:30, 0.0
1622, 2017/06/05 13:39:40, 0.0
1623, 2017/06/05 13:39:50, 0.0
1624, 2017/06/05 13:40:00, 0.0
1625, 2017/06/05 13:40:10, 0.0
1626, 2017/06/05 13:40:20, 0.0
1627, 2017/06/05 13:40:30, 0.0
1628, 2017/06/05 13:40:40, 0.0
1629, 2017/06/05 13:40:50, 0.0
1630, 2017/06/05 13:41:00, 0.0
1631, 2017/06/05 13:41:10, 0.0
1632, 2017/06/05 13:41:20, 0.0
1633, 2017/06/05 13:41:30, 0.0
1634, 2017/06/05 13:41:40, 0.0
1635, 2017/06/05 13:41:50, 0.0
1636, 2017/06/05 13:42:00, 0.0
1637, 2017/06/05 13:42:10, 0.0
1638, 2017/06/05 13:42:20, 0.0
1639, 2017/06/05 13:42:30, 0.0
1640, 2017/06/05 13:42:40, 0.0
1641, 2017/06/05 13:42:50, 0.0
1642, 2017/06/05 13:43:00, 0.0
1643, 2017/06/05 13:43:10, 0.0
1644, 2017/06/05 13:43:20, 0.0
1645, 2017/06/05 13:43:30, 0.0
1646, 2017/06/05 13:43:40, 0.0
1647, 2017/06/05 13:43:50, 0.0
1648, 2017/06/05 13:44:00, 0.0
1649, 2017/06/05 13:44:10, 0.0
1650, 2017/06/05 13:44:20, 0.0
1651, 2017/06/05 13:44:30, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

1652, 2017/06/05 13:44:40, 0.0
1653, 2017/06/05 13:44:50, 0.0
1654, 2017/06/05 13:45:00, 0.0
1655, 2017/06/05 13:45:10, 0.0
1656, 2017/06/05 13:45:20, 0.0
1657, 2017/06/05 13:45:30, 0.0
1658, 2017/06/05 13:45:40, 0.0
1659, 2017/06/05 13:45:50, 0.0
1660, 2017/06/05 13:46:00, 0.0
1661, 2017/06/05 13:46:10, 0.0
1662, 2017/06/05 13:46:20, 0.0
1663, 2017/06/05 13:46:30, 0.0
1664, 2017/06/05 13:46:40, 0.0
1665, 2017/06/05 13:46:50, 0.0
1666, 2017/06/05 13:47:00, 0.0
1667, 2017/06/05 13:47:10, 0.0
1668, 2017/06/05 13:47:20, 0.0
1669, 2017/06/05 13:47:30, 0.0
1670, 2017/06/05 13:47:40, 0.0
1671, 2017/06/05 13:47:50, 0.0
1672, 2017/06/05 13:48:00, 0.0
1673, 2017/06/05 13:48:10, 0.0
1674, 2017/06/05 13:48:20, 0.0
1675, 2017/06/05 13:48:30, 0.0
1676, 2017/06/05 13:48:40, 0.0
1677, 2017/06/05 13:48:50, 0.0
1678, 2017/06/05 13:49:00, 0.0
1679, 2017/06/05 13:49:10, 0.0
1680, 2017/06/05 13:49:20, 0.0
1681, 2017/06/05 13:49:30, 0.0
1682, 2017/06/05 13:49:40, 0.0
1683, 2017/06/05 13:49:50, 0.0
1684, 2017/06/05 13:50:00, 0.0
1685, 2017/06/05 13:50:10, 0.0
1686, 2017/06/05 13:50:20, 0.0
1687, 2017/06/05 13:50:30, 0.0
1688, 2017/06/05 13:50:40, 0.0
1689, 2017/06/05 13:50:50, 0.0
1690, 2017/06/05 13:51:00, 0.0
1691, 2017/06/05 13:51:10, 0.0
1692, 2017/06/05 13:51:20, 0.0
1693, 2017/06/05 13:51:30, 0.0
1694, 2017/06/05 13:51:40, 0.0
1695, 2017/06/05 13:51:50, 0.0
1696, 2017/06/05 13:52:00, 0.0
1697, 2017/06/05 13:52:10, 0.0
1698, 2017/06/05 13:52:20, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

1699, 2017/06/05 13:52:30, 0.0
1700, 2017/06/05 13:52:40, 0.0
1701, 2017/06/05 13:52:50, 0.0
1702, 2017/06/05 13:53:00, 0.0
1703, 2017/06/05 13:53:10, 0.0
1704, 2017/06/05 13:53:20, 0.0
1705, 2017/06/05 13:53:30, 0.0
1706, 2017/06/05 13:53:40, 0.0
1707, 2017/06/05 13:53:50, 0.0
1708, 2017/06/05 13:54:00, 0.0
1709, 2017/06/05 13:54:10, 0.0
1710, 2017/06/05 13:54:20, 0.0
1711, 2017/06/05 13:54:30, 0.0
1712, 2017/06/05 13:54:40, 0.0
1713, 2017/06/05 13:54:50, 0.0
1714, 2017/06/05 13:55:00, 0.0
1715, 2017/06/05 13:55:10, 0.0
1716, 2017/06/05 13:55:20, 0.0
1717, 2017/06/05 13:55:30, 0.0
1718, 2017/06/05 13:55:40, 0.0
1719, 2017/06/05 13:55:50, 0.0
1720, 2017/06/05 13:56:00, 0.0
1721, 2017/06/05 13:56:10, 0.0
1722, 2017/06/05 13:56:20, 0.0
1723, 2017/06/05 13:56:30, 0.0
1724, 2017/06/05 13:56:40, 0.0
1725, 2017/06/05 13:56:50, 0.0
1726, 2017/06/05 13:57:00, 0.0
1727, 2017/06/05 13:57:10, 0.0
1728, 2017/06/05 13:57:20, 0.0
1729, 2017/06/05 13:57:30, 0.0
1730, 2017/06/05 13:57:40, 0.0
1731, 2017/06/05 13:57:50, 0.0
1732, 2017/06/05 13:58:00, 0.0
1733, 2017/06/05 13:58:10, 0.0
1734, 2017/06/05 13:58:20, 0.0
1735, 2017/06/05 13:58:30, 0.0
1736, 2017/06/05 13:58:40, 0.0
1737, 2017/06/05 13:58:50, 0.0
1738, 2017/06/05 13:59:00, 0.0
1739, 2017/06/05 13:59:10, 0.0
1740, 2017/06/05 13:59:20, 0.0
1741, 2017/06/05 13:59:30, 0.0
1742, 2017/06/05 13:59:40, 0.0
1743, 2017/06/05 13:59:50, 0.0
1744, 2017/06/05 14:00:00, 0.0
1745, 2017/06/05 14:00:10, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

1746, 2017/06/05 14:00:20, 0.0
1747, 2017/06/05 14:00:30, 0.0
1748, 2017/06/05 14:00:40, 0.0
1749, 2017/06/05 14:00:50, 0.0
1750, 2017/06/05 14:01:00, 0.0
1751, 2017/06/05 14:01:10, 0.0
1752, 2017/06/05 14:01:20, 0.0
1753, 2017/06/05 14:01:30, 0.0
1754, 2017/06/05 14:01:40, 0.0
1755, 2017/06/05 14:01:50, 0.0
1756, 2017/06/05 14:02:00, 0.0
1757, 2017/06/05 14:02:10, 0.0
1758, 2017/06/05 14:02:20, 0.0
1759, 2017/06/05 14:02:30, 0.0
1760, 2017/06/05 14:02:40, 0.0
1761, 2017/06/05 14:02:50, 0.0
1762, 2017/06/05 14:03:00, 0.0
1763, 2017/06/05 14:03:10, 0.0
1764, 2017/06/05 14:03:20, 0.0
1765, 2017/06/05 14:03:30, 0.0
1766, 2017/06/05 14:03:40, 0.0
1767, 2017/06/05 14:03:50, 0.0
1768, 2017/06/05 14:04:00, 0.0
1769, 2017/06/05 14:04:10, 0.0
1770, 2017/06/05 14:04:20, 0.0
1771, 2017/06/05 14:04:30, 0.0
1772, 2017/06/05 14:04:40, 0.0
1773, 2017/06/05 14:04:50, 0.0
1774, 2017/06/05 14:05:00, 0.0
1775, 2017/06/05 14:05:10, 0.0
1776, 2017/06/05 14:05:20, 0.0
1777, 2017/06/05 14:05:30, 0.0
1778, 2017/06/05 14:05:40, 0.0
1779, 2017/06/05 14:05:50, 0.0
1780, 2017/06/05 14:06:00, 0.0
1781, 2017/06/05 14:06:10, 0.0
1782, 2017/06/05 14:06:20, 0.0
1783, 2017/06/05 14:06:30, 0.0
1784, 2017/06/05 14:06:40, 0.0
1785, 2017/06/05 14:06:50, 0.0
1786, 2017/06/05 14:07:00, 0.0
1787, 2017/06/05 14:07:10, 0.0
1788, 2017/06/05 14:07:20, 0.0
1789, 2017/06/05 14:07:30, 0.0
1790, 2017/06/05 14:07:40, 0.0
1791, 2017/06/05 14:07:50, 0.0
1792, 2017/06/05 14:08:00, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

1793, 2017/06/05 14:08:10, 0.0
1794, 2017/06/05 14:08:20, 0.0
1795, 2017/06/05 14:08:30, 0.0
1796, 2017/06/05 14:08:40, 0.0
1797, 2017/06/05 14:08:50, 0.0
1798, 2017/06/05 14:09:00, 0.0
1799, 2017/06/05 14:09:10, 0.0
1800, 2017/06/05 14:09:20, 0.0
1801, 2017/06/05 14:09:30, 0.0
1802, 2017/06/05 14:09:40, 0.0
1803, 2017/06/05 14:09:50, 0.0
1804, 2017/06/05 14:10:00, 0.0
1805, 2017/06/05 14:10:10, 0.0
1806, 2017/06/05 14:10:20, 0.0
1807, 2017/06/05 14:10:30, 0.0
1808, 2017/06/05 14:10:40, 0.0
1809, 2017/06/05 14:10:50, 0.0
1810, 2017/06/05 14:11:00, 0.0
1811, 2017/06/05 14:11:10, 0.0
1812, 2017/06/05 14:11:20, 0.0
1813, 2017/06/05 14:11:30, 0.0
1814, 2017/06/05 14:11:40, 0.0
1815, 2017/06/05 14:11:50, 0.0
1816, 2017/06/05 14:12:00, 0.0
1817, 2017/06/05 14:12:10, 0.0
1818, 2017/06/05 14:12:20, 0.0
1819, 2017/06/05 14:12:30, 0.0
1820, 2017/06/05 14:12:40, 0.0
1821, 2017/06/05 14:12:50, 0.0
1822, 2017/06/05 14:13:00, 0.0
1823, 2017/06/05 14:13:10, 0.0
1824, 2017/06/05 14:13:20, 0.0
1825, 2017/06/05 14:13:30, 0.0
1826, 2017/06/05 14:13:40, 0.0
1827, 2017/06/05 14:13:50, 0.0
1828, 2017/06/05 14:14:00, 0.0
1829, 2017/06/05 14:14:10, 0.0
1830, 2017/06/05 14:14:20, 0.0
1831, 2017/06/05 14:14:30, 0.0
1832, 2017/06/05 14:14:40, 0.0
1833, 2017/06/05 14:14:50, 0.0
1834, 2017/06/05 14:15:00, 0.0
1835, 2017/06/05 14:15:10, 0.0
1836, 2017/06/05 14:15:20, 0.0
1837, 2017/06/05 14:15:30, 0.0
1838, 2017/06/05 14:15:40, 0.0
1839, 2017/06/05 14:15:50, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

1840, 2017/06/05 14:16:00, 0.0
1841, 2017/06/05 14:16:10, 0.0
1842, 2017/06/05 14:16:20, 0.0
1843, 2017/06/05 14:16:30, 0.0
1844, 2017/06/05 14:16:40, 0.0
1845, 2017/06/05 14:16:50, 0.0
1846, 2017/06/05 14:17:00, 0.0
1847, 2017/06/05 14:17:10, 0.0
1848, 2017/06/05 14:17:20, 0.0
1849, 2017/06/05 14:17:30, 0.0
1850, 2017/06/05 14:17:40, 0.0
1851, 2017/06/05 14:17:50, 0.0
1852, 2017/06/05 14:18:00, 0.0
1853, 2017/06/05 14:18:10, 0.0
1854, 2017/06/05 14:18:20, 0.0
1855, 2017/06/05 14:18:30, 0.0
1856, 2017/06/05 14:18:40, 0.0
1857, 2017/06/05 14:18:50, 0.0
1858, 2017/06/05 14:19:00, 0.0
1859, 2017/06/05 14:19:10, 0.0
1860, 2017/06/05 14:19:20, 0.0
1861, 2017/06/05 14:19:30, 0.0
1862, 2017/06/05 14:19:40, 0.0
1863, 2017/06/05 14:19:50, 0.0
1864, 2017/06/05 14:20:00, 0.0
1865, 2017/06/05 14:20:10, 0.0
1866, 2017/06/05 14:20:20, 0.0
1867, 2017/06/05 14:20:30, 0.0
1868, 2017/06/05 14:20:40, 0.0
1869, 2017/06/05 14:20:50, 0.0
1870, 2017/06/05 14:21:00, 0.0
1871, 2017/06/05 14:21:10, 0.0
1872, 2017/06/05 14:21:20, 0.0
1873, 2017/06/05 14:21:30, 0.0
1874, 2017/06/05 14:21:40, 0.0
1875, 2017/06/05 14:21:50, 0.0
1876, 2017/06/05 14:22:00, 0.0
1877, 2017/06/05 14:22:10, 0.0
1878, 2017/06/05 14:22:20, 0.0
1879, 2017/06/05 14:22:30, 0.0
1880, 2017/06/05 14:22:40, 0.0
1881, 2017/06/05 14:22:50, 0.0
1882, 2017/06/05 14:23:00, 0.0
1883, 2017/06/05 14:23:10, 0.0
1884, 2017/06/05 14:23:20, 0.0
1885, 2017/06/05 14:23:30, 0.0
1886, 2017/06/05 14:23:40, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

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1887, 2017/06/05 14:23:50, 0.0
1888, 2017/06/05 14:24:00, 0.0
1889, 2017/06/05 14:24:10, 0.0
1890, 2017/06/05 14:24:20, 0.0
1891, 2017/06/05 14:24:30, 0.0
1892, 2017/06/05 14:24:40, 0.0
1893, 2017/06/05 14:24:50, 0.0
1894, 2017/06/05 14:25:00, 0.0
1895, 2017/06/05 14:25:10, 0.0
1896, 2017/06/05 14:25:20, 0.0
1897, 2017/06/05 14:25:30, 0.0
1898, 2017/06/05 14:25:40, 0.0
1899, 2017/06/05 14:25:50, 0.0
1900, 2017/06/05 14:26:00, 0.0
1901, 2017/06/05 14:26:10, 0.0
1902, 2017/06/05 14:26:20, 0.0
1903, 2017/06/05 14:26:30, 0.0
1904, 2017/06/05 14:26:40, 0.0
1905, 2017/06/05 14:26:50, 0.0
1906, 2017/06/05 14:27:00, 0.0
Peak, , 0.0
Min, , 0.0
Average, , 0.0

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17/06/06 07:44

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-919032
Unit Firmware Ver	V2.14

Running Mode	Hygiene Mode
Datalog Mode	Manual
Diagnostic Mode	No
Stop Reason	Stop by User

Site ID	RAE00000
User ID	USER0000

Begin	6/6/2017 7:44
End	6/6/2017 8:29
Sample Period(s)	10
Number of Records	265

Sensor	PID(ppm)

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

==========

Sensor SN	S023030206U3
Measure Type	Avg
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	6/6/2017 7:26
Peak	N/A
Min	N/A
Average	N/A

****

Datalog
, , PID(ppm)
Index, Date/Time, (Avg)
001, 2017/06/06 07:45:01, 0.0
002, 2017/06/06 07:45:11, 0.0
003, 2017/06/06 07:45:21, 0.0
004, 2017/06/06 07:45:31, 0.0
005, 2017/06/06 07:45:41, 0.0
006, 2017/06/06 07:45:51, 0.0
007, 2017/06/06 07:46:01, 0.0
008, 2017/06/06 07:46:11, 0.0
009, 2017/06/06 07:46:21, 0.0
010, 2017/06/06 07:46:31, 0.0
011, 2017/06/06 07:46:41, 0.0
012, 2017/06/06 07:46:51, 0.0
013, 2017/06/06 07:47:01, 0.0
014, 2017/06/06 07:47:11, 0.0
015, 2017/06/06 07:47:21, 0.0
016, 2017/06/06 07:47:31, 0.0
017, 2017/06/06 07:47:41, 0.0
018, 2017/06/06 07:47:51, 0.0
019, 2017/06/06 07:48:01, 0.0
020, 2017/06/06 07:48:11, 0.0
021, 2017/06/06 07:48:21, 0.0
022, 2017/06/06 07:48:31, 0.0
023, 2017/06/06 07:48:41, 0.0
024, 2017/06/06 07:48:51, 0.0
025, 2017/06/06 07:49:01, 0.0
026, 2017/06/06 07:49:11, 0.0
027, 2017/06/06 07:49:21, 0.0
028, 2017/06/06 07:49:31, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

029, 2017/06/06 07:49:41, 0.0
030, 2017/06/06 07:49:51, 0.0
031, 2017/06/06 07:50:01, 0.0
032, 2017/06/06 07:50:11, 0.0
033, 2017/06/06 07:50:21, 0.0
034, 2017/06/06 07:50:31, 0.0
035, 2017/06/06 07:50:41, 0.0
036, 2017/06/06 07:50:51, 0.0
037, 2017/06/06 07:51:01, 0.0
038, 2017/06/06 07:51:11, 0.0
039, 2017/06/06 07:51:21, 0.0
040, 2017/06/06 07:51:31, 0.0
041, 2017/06/06 07:51:41, 0.0
042, 2017/06/06 07:51:51, 0.0
043, 2017/06/06 07:52:01, 0.0
044, 2017/06/06 07:52:11, 0.0
045, 2017/06/06 07:52:21, 0.0
046, 2017/06/06 07:52:31, 0.0
047, 2017/06/06 07:52:41, 0.0
048, 2017/06/06 07:52:51, 0.0
049, 2017/06/06 07:53:01, 0.0
050, 2017/06/06 07:53:11, 0.0
051, 2017/06/06 07:53:21, 0.0
052, 2017/06/06 07:53:31, 0.0
053, 2017/06/06 07:53:41, 0.0
054, 2017/06/06 07:53:51, 0.0
055, 2017/06/06 07:54:01, 0.0
056, 2017/06/06 07:54:11, 0.0
057, 2017/06/06 07:54:21, 0.0
058, 2017/06/06 07:54:31, 0.0
059, 2017/06/06 07:54:41, 0.0
060, 2017/06/06 07:54:51, 0.0
061, 2017/06/06 07:55:01, 0.0
062, 2017/06/06 07:55:11, 0.0
063, 2017/06/06 07:55:21, 0.0
064, 2017/06/06 07:55:31, 0.0
065, 2017/06/06 07:55:41, 0.0
066, 2017/06/06 07:55:51, 0.0
067, 2017/06/06 07:56:01, 0.0
068, 2017/06/06 07:56:11, 0.0
069, 2017/06/06 07:56:21, 0.0
070, 2017/06/06 07:56:31, 0.1
071, 2017/06/06 07:56:41, 0.0
072, 2017/06/06 07:56:51, 0.1
073, 2017/06/06 07:57:01, 0.0
074, 2017/06/06 07:57:11, 0.0
075, 2017/06/06 07:57:21, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

076, 2017/06/06 07:57:31, 0.1
077, 2017/06/06 07:57:41, 0.0
078, 2017/06/06 07:57:51, 0.1
079, 2017/06/06 07:58:01, 0.1
080, 2017/06/06 07:58:11, 0.0
081, 2017/06/06 07:58:21, 0.1
082, 2017/06/06 07:58:31, 0.0
083, 2017/06/06 07:58:41, 0.0
084, 2017/06/06 07:58:51, 0.2
085, 2017/06/06 07:59:01, 0.1
086, 2017/06/06 07:59:11, 0.1
087, 2017/06/06 07:59:21, 0.0
088, 2017/06/06 07:59:31, 0.0
089, 2017/06/06 07:59:41, 0.0
090, 2017/06/06 07:59:51, 0.0
091, 2017/06/06 08:00:01, 0.0
092, 2017/06/06 08:00:11, 0.0
093, 2017/06/06 08:00:21, 0.0
094, 2017/06/06 08:00:31, 0.0
095, 2017/06/06 08:00:41, 0.0
096, 2017/06/06 08:00:51, 0.0
097, 2017/06/06 08:01:01, 0.0
098, 2017/06/06 08:01:11, 0.0
099, 2017/06/06 08:01:21, 0.0
100, 2017/06/06 08:01:31, 0.0
101, 2017/06/06 08:01:41, 0.0
102, 2017/06/06 08:01:51, 0.0
103, 2017/06/06 08:02:01, 0.0
104, 2017/06/06 08:02:11, 0.0
105, 2017/06/06 08:02:21, 0.0
106, 2017/06/06 08:02:31, 0.0
107, 2017/06/06 08:02:41, 0.0
108, 2017/06/06 08:02:51, 0.0
109, 2017/06/06 08:03:01, 0.1
110, 2017/06/06 08:03:11, 0.3
111, 2017/06/06 08:03:21, 0.1
112, 2017/06/06 08:03:31, 0.1
113, 2017/06/06 08:03:41, 0.1
114, 2017/06/06 08:03:51, 0.0
115, 2017/06/06 08:04:01, 0.0
116, 2017/06/06 08:04:11, 0.0
117, 2017/06/06 08:04:21, 0.0
118, 2017/06/06 08:04:31, 0.0
119, 2017/06/06 08:04:41, 0.0
120, 2017/06/06 08:04:51, 0.0
121, 2017/06/06 08:05:01, 0.0
122, 2017/06/06 08:05:11, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

123, 2017/06/06 08:05:21, 0.1
124, 2017/06/06 08:05:31, 0.1
125, 2017/06/06 08:05:41, 0.0
126, 2017/06/06 08:05:51, 0.0
127, 2017/06/06 08:06:01, 0.0
128, 2017/06/06 08:06:11, 0.0
129, 2017/06/06 08:06:21, 0.1
130, 2017/06/06 08:06:31, 0.1
131, 2017/06/06 08:06:41, 0.1
132, 2017/06/06 08:06:51, 0.1
133, 2017/06/06 08:07:01, 0.1
134, 2017/06/06 08:07:11, 0.1
135, 2017/06/06 08:07:21, 0.1
136, 2017/06/06 08:07:31, 0.1
137, 2017/06/06 08:07:41, 0.1
138, 2017/06/06 08:07:51, 0.0
139, 2017/06/06 08:08:01, 0.1
140, 2017/06/06 08:08:11, 0.0
141, 2017/06/06 08:08:21, 0.1
142, 2017/06/06 08:08:31, 0.1
143, 2017/06/06 08:08:41, 0.1
144, 2017/06/06 08:08:51, 0.1
145, 2017/06/06 08:09:01, 0.1
146, 2017/06/06 08:09:11, 0.1
147, 2017/06/06 08:09:21, 0.1
148, 2017/06/06 08:09:31, 0.1
149, 2017/06/06 08:09:41, 0.1
150, 2017/06/06 08:09:51, 0.1
151, 2017/06/06 08:10:01, 0.1
152, 2017/06/06 08:10:11, 0.1
153, 2017/06/06 08:10:21, 0.1
154, 2017/06/06 08:10:31, 0.1
155, 2017/06/06 08:10:41, 0.1
156, 2017/06/06 08:10:51, 0.1
157, 2017/06/06 08:11:01, 0.1
158, 2017/06/06 08:11:11, 0.1
159, 2017/06/06 08:11:21, 0.1
160, 2017/06/06 08:11:31, 0.1
161, 2017/06/06 08:11:41, 0.1
162, 2017/06/06 08:11:51, 0.1
163, 2017/06/06 08:12:01, 0.1
164, 2017/06/06 08:12:11, 0.1
165, 2017/06/06 08:12:21, 0.1
166, 2017/06/06 08:12:31, 0.1
167, 2017/06/06 08:12:41, 0.1
168, 2017/06/06 08:12:51, 0.1
169, 2017/06/06 08:13:01, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

170, 2017/06/06 08:13:11, 0.1
171, 2017/06/06 08:13:21, 0.1
172, 2017/06/06 08:13:31, 0.1
173, 2017/06/06 08:13:41, 0.1
174, 2017/06/06 08:13:51, 0.1
175, 2017/06/06 08:14:01, 0.1
176, 2017/06/06 08:14:11, 0.1
177, 2017/06/06 08:14:21, 0.1
178, 2017/06/06 08:14:31, 0.1
179, 2017/06/06 08:14:41, 0.1
180, 2017/06/06 08:14:51, 0.1
181, 2017/06/06 08:15:01, 0.1
182, 2017/06/06 08:15:11, 0.1
183, 2017/06/06 08:15:21, 0.1
184, 2017/06/06 08:15:31, 0.1
185, 2017/06/06 08:15:41, 0.1
186, 2017/06/06 08:15:51, 0.1
187, 2017/06/06 08:16:01, 0.1
188, 2017/06/06 08:16:11, 0.1
189, 2017/06/06 08:16:21, 0.1
190, 2017/06/06 08:16:31, 0.1
191, 2017/06/06 08:16:41, 0.1
192, 2017/06/06 08:16:51, 0.1
193, 2017/06/06 08:17:01, 0.1
194, 2017/06/06 08:17:11, 0.1
195, 2017/06/06 08:17:21, 0.1
196, 2017/06/06 08:17:31, 0.1
197, 2017/06/06 08:17:41, 0.1
198, 2017/06/06 08:17:51, 0.1
199, 2017/06/06 08:18:01, 0.1
200, 2017/06/06 08:18:11, 0.1
201, 2017/06/06 08:18:21, 0.1
202, 2017/06/06 08:18:31, 0.1
203, 2017/06/06 08:18:41, 0.1
204, 2017/06/06 08:18:51, 0.1
205, 2017/06/06 08:19:01, 0.1
206, 2017/06/06 08:19:11, 0.1
207, 2017/06/06 08:19:21, 0.1
208, 2017/06/06 08:19:31, 0.1
209, 2017/06/06 08:19:41, 0.1
210, 2017/06/06 08:19:51, 0.1
211, 2017/06/06 08:20:01, 0.1
212, 2017/06/06 08:20:11, 0.1
213, 2017/06/06 08:20:21, 0.1
214, 2017/06/06 08:20:31, 0.1
215, 2017/06/06 08:20:41, 0.1
216, 2017/06/06 08:20:51, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

217, 2017/06/06 08:21:01, 0.1
218, 2017/06/06 08:21:11, 0.1
219, 2017/06/06 08:21:21, 0.1
220, 2017/06/06 08:21:31, 0.1
221, 2017/06/06 08:21:41, 0.1
222, 2017/06/06 08:21:51, 0.1
223, 2017/06/06 08:22:01, 0.1
224, 2017/06/06 08:22:11, 0.1
225, 2017/06/06 08:22:21, 0.1
226, 2017/06/06 08:22:31, 0.1
227, 2017/06/06 08:22:41, 0.1
228, 2017/06/06 08:22:51, 0.1
229, 2017/06/06 08:23:01, 0.1
230, 2017/06/06 08:23:11, 0.1
231, 2017/06/06 08:23:21, 0.1
232, 2017/06/06 08:23:31, 0.1
233, 2017/06/06 08:23:41, 0.1
234, 2017/06/06 08:23:51, 0.1
235, 2017/06/06 08:24:01, 0.1
236, 2017/06/06 08:24:11, 0.1
237, 2017/06/06 08:24:21, 0.2
238, 2017/06/06 08:24:31, 0.2
239, 2017/06/06 08:24:41, 0.2
240, 2017/06/06 08:24:51, 0.2
241, 2017/06/06 08:25:01, 0.2
242, 2017/06/06 08:25:11, 0.1
243, 2017/06/06 08:25:21, 0.1
244, 2017/06/06 08:25:31, 0.1
245, 2017/06/06 08:25:41, 0.1
246, 2017/06/06 08:25:51, 0.1
247, 2017/06/06 08:26:01, 0.1
248, 2017/06/06 08:26:11, 0.1
249, 2017/06/06 08:26:21, 0.1
250, 2017/06/06 08:26:31, 0.1
251, 2017/06/06 08:26:41, 0.2
252, 2017/06/06 08:26:51, 0.1
253, 2017/06/06 08:27:01, 0.1
254, 2017/06/06 08:27:11, 0.1
255, 2017/06/06 08:27:21, 0.1
256, 2017/06/06 08:27:31, 0.1
257, 2017/06/06 08:27:41, 0.1
258, 2017/06/06 08:27:51, 0.1
259, 2017/06/06 08:28:01, 0.2
260, 2017/06/06 08:28:11, 0.1
261, 2017/06/06 08:28:21, 0.1
262, 2017/06/06 08:28:31, 0.1
263, 2017/06/06 08:28:41, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

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264, 2017/06/06 08:28:51, 0.1
265, 2017/06/06 08:29:01, 0.1
Peak, , 0.3
Min, , 0.0
Average, , 0.1

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17/06/06 09:47

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-919032
Unit Firmware Ver	V2.14

Running Mode	Hygiene Mode
Datalog Mode	Manual
Diagnostic Mode	No
Stop Reason	Stop by User

Site ID	RAE00000
User ID	USER0000

Begin	6/6/2017 9:47
End	6/6/2017 11:29
Sample Period(s)	10
Number of Records	615

Sensor	PID(ppm)
Sensor SN	S023030206U3
Measure Type	Avg
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	6/6/2017 7:26
Peak	N/A
Min	N/A
Average	N/A

****

Datalog
, , PID(ppm)

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

Index, Date/Time, (Avg)
001, 2017/06/06 09:47:11, 1.0
002, 2017/06/06 09:47:21, 1.0
003, 2017/06/06 09:47:31, 1.0
004, 2017/06/06 09:47:41, 1.0
005, 2017/06/06 09:47:51, 1.0
006, 2017/06/06 09:48:01, 1.0
007, 2017/06/06 09:48:11, 1.0
008, 2017/06/06 09:48:21, 1.0
009, 2017/06/06 09:48:31, 1.0
010, 2017/06/06 09:48:41, 1.0
011, 2017/06/06 09:48:51, 1.0
012, 2017/06/06 09:49:01, 1.0
013, 2017/06/06 09:49:11, 0.9
014, 2017/06/06 09:49:21, 0.9
015, 2017/06/06 09:49:31, 0.9
016, 2017/06/06 09:49:41, 1.0
017, 2017/06/06 09:49:51, 0.9
018, 2017/06/06 09:50:01, 0.9
019, 2017/06/06 09:50:11, 0.9
020, 2017/06/06 09:50:21, 0.9
021, 2017/06/06 09:50:31, 1.0
022, 2017/06/06 09:50:41, 0.9
023, 2017/06/06 09:50:51, 1.0
024, 2017/06/06 09:51:01, 0.9
025, 2017/06/06 09:51:11, 0.9
026, 2017/06/06 09:51:21, 0.9
027, 2017/06/06 09:51:31, 0.9
028, 2017/06/06 09:51:41, 0.9
029, 2017/06/06 09:51:51, 0.9
030, 2017/06/06 09:52:01, 0.9
031, 2017/06/06 09:52:11, 0.9
032, 2017/06/06 09:52:21, 0.9
033, 2017/06/06 09:52:31, 0.9
034, 2017/06/06 09:52:41, 0.9
035, 2017/06/06 09:52:51, 0.9
036, 2017/06/06 09:53:01, 0.9
037, 2017/06/06 09:53:11, 0.9
038, 2017/06/06 09:53:21, 0.9
039, 2017/06/06 09:53:31, 0.9
040, 2017/06/06 09:53:41, 0.9
041, 2017/06/06 09:53:51, 0.9
042, 2017/06/06 09:54:01, 0.9
043, 2017/06/06 09:54:11, 1.1
044, 2017/06/06 09:54:21, 1.2
045, 2017/06/06 09:54:31, 1.2
046, 2017/06/06 09:54:41, 1.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

047, 2017/06/06 09:54:51, 1.0
048, 2017/06/06 09:55:01, 1.0
049, 2017/06/06 09:55:11, 1.0
050, 2017/06/06 09:55:21, 0.9
051, 2017/06/06 09:55:31, 0.9
052, 2017/06/06 09:55:41, 0.9
053, 2017/06/06 09:55:51, 0.9
054, 2017/06/06 09:56:01, 0.9
055, 2017/06/06 09:56:11, 0.9
056, 2017/06/06 09:56:21, 0.8
057, 2017/06/06 09:56:31, 0.9
058, 2017/06/06 09:56:41, 0.9
059, 2017/06/06 09:56:51, 0.9
060, 2017/06/06 09:57:01, 0.9
061, 2017/06/06 09:57:11, 0.9
062, 2017/06/06 09:57:21, 0.9
063, 2017/06/06 09:57:31, 0.9
064, 2017/06/06 09:57:41, 0.9
065, 2017/06/06 09:57:51, 0.8
066, 2017/06/06 09:58:01, 0.8
067, 2017/06/06 09:58:11, 0.9
068, 2017/06/06 09:58:21, 0.9
069, 2017/06/06 09:58:31, 0.9
070, 2017/06/06 09:58:41, 0.9
071, 2017/06/06 09:58:51, 0.8
072, 2017/06/06 09:59:01, 0.8
073, 2017/06/06 09:59:11, 0.8
074, 2017/06/06 09:59:21, 0.8
075, 2017/06/06 09:59:31, 0.8
076, 2017/06/06 09:59:41, 0.9
077, 2017/06/06 09:59:51, 0.9
078, 2017/06/06 10:00:01, 0.8
079, 2017/06/06 10:00:11, 0.8
080, 2017/06/06 10:00:21, 0.8
081, 2017/06/06 10:00:31, 0.8
082, 2017/06/06 10:00:41, 0.8
083, 2017/06/06 10:00:51, 0.8
084, 2017/06/06 10:01:01, 0.8
085, 2017/06/06 10:01:11, 0.8
086, 2017/06/06 10:01:21, 0.8
087, 2017/06/06 10:01:31, 0.8
088, 2017/06/06 10:01:41, 0.9
089, 2017/06/06 10:01:51, 0.9
090, 2017/06/06 10:02:01, 0.9
091, 2017/06/06 10:02:11, 0.9
092, 2017/06/06 10:02:21, 0.8
093, 2017/06/06 10:02:31, 0.8

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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094, 2017/06/06 10:02:41, 0.8
095, 2017/06/06 10:02:51, 0.8
096, 2017/06/06 10:03:01, 0.8
097, 2017/06/06 10:03:11, 0.8
098, 2017/06/06 10:03:21, 0.8
099, 2017/06/06 10:03:31, 0.8
100, 2017/06/06 10:03:41, 0.8
101, 2017/06/06 10:03:51, 0.9
102, 2017/06/06 10:04:01, 0.8
103, 2017/06/06 10:04:11, 0.8
104, 2017/06/06 10:04:21, 0.8
105, 2017/06/06 10:04:31, 0.9
106, 2017/06/06 10:04:41, 0.8
107, 2017/06/06 10:04:51, 0.8
108, 2017/06/06 10:05:01, 0.9
109, 2017/06/06 10:05:11, 0.8
110, 2017/06/06 10:05:21, 0.8
111, 2017/06/06 10:05:31, 0.8
112, 2017/06/06 10:05:41, 0.8
113, 2017/06/06 10:05:51, 0.8
114, 2017/06/06 10:06:01, 0.8
115, 2017/06/06 10:06:11, 0.8
116, 2017/06/06 10:06:21, 0.8
117, 2017/06/06 10:06:31, 0.8
118, 2017/06/06 10:06:41, 0.8
119, 2017/06/06 10:06:51, 0.8
120, 2017/06/06 10:07:01, 0.8
121, 2017/06/06 10:07:11, 0.8
122, 2017/06/06 10:07:21, 0.8
123, 2017/06/06 10:07:31, 0.7
124, 2017/06/06 10:07:41, 0.8
125, 2017/06/06 10:07:51, 0.7
126, 2017/06/06 10:08:01, 0.8
127, 2017/06/06 10:08:11, 0.8
128, 2017/06/06 10:08:21, 0.8
129, 2017/06/06 10:08:31, 0.8
130, 2017/06/06 10:08:41, 0.8
131, 2017/06/06 10:08:51, 0.8
132, 2017/06/06 10:09:01, 0.8
133, 2017/06/06 10:09:11, 0.8
134, 2017/06/06 10:09:21, 0.8
135, 2017/06/06 10:09:31, 0.8
136, 2017/06/06 10:09:41, 0.8
137, 2017/06/06 10:09:51, 0.8
138, 2017/06/06 10:10:01, 0.7
139, 2017/06/06 10:10:11, 0.8
140, 2017/06/06 10:10:21, 0.8

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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141, 2017/06/06 10:10:31, 0.8
142, 2017/06/06 10:10:41, 0.7
143, 2017/06/06 10:10:51, 0.8
144, 2017/06/06 10:11:01, 0.8
145, 2017/06/06 10:11:11, 0.8
146, 2017/06/06 10:11:21, 0.8
147, 2017/06/06 10:11:31, 0.7
148, 2017/06/06 10:11:41, 0.8
149, 2017/06/06 10:11:51, 0.7
150, 2017/06/06 10:12:01, 0.8
151, 2017/06/06 10:12:11, 0.8
152, 2017/06/06 10:12:21, 0.8
153, 2017/06/06 10:12:31, 0.8
154, 2017/06/06 10:12:41, 0.8
155, 2017/06/06 10:12:51, 0.8
156, 2017/06/06 10:13:01, 0.8
157, 2017/06/06 10:13:11, 0.8
158, 2017/06/06 10:13:21, 0.8
159, 2017/06/06 10:13:31, 0.8
160, 2017/06/06 10:13:41, 0.8
161, 2017/06/06 10:13:51, 0.7
162, 2017/06/06 10:14:01, 0.8
163, 2017/06/06 10:14:11, 0.8
164, 2017/06/06 10:14:21, 0.7
165, 2017/06/06 10:14:31, 0.8
166, 2017/06/06 10:14:41, 0.8
167, 2017/06/06 10:14:51, 0.7
168, 2017/06/06 10:15:01, 0.8
169, 2017/06/06 10:15:11, 0.7
170, 2017/06/06 10:15:21, 0.8
171, 2017/06/06 10:15:31, 0.7
172, 2017/06/06 10:15:41, 0.8
173, 2017/06/06 10:15:51, 0.8
174, 2017/06/06 10:16:01, 0.8
175, 2017/06/06 10:16:11, 0.7
176, 2017/06/06 10:16:21, 0.7
177, 2017/06/06 10:16:31, 0.7
178, 2017/06/06 10:16:41, 0.8
179, 2017/06/06 10:16:51, 0.7
180, 2017/06/06 10:17:01, 0.8
181, 2017/06/06 10:17:11, 0.7
182, 2017/06/06 10:17:21, 0.7
183, 2017/06/06 10:17:31, 0.7
184, 2017/06/06 10:17:41, 0.7
185, 2017/06/06 10:17:51, 0.7
186, 2017/06/06 10:18:01, 0.7
187, 2017/06/06 10:18:11, 0.8

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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188, 2017/06/06 10:18:21, 0.7
189, 2017/06/06 10:18:31, 0.7
190, 2017/06/06 10:18:41, 0.8
191, 2017/06/06 10:18:51, 0.7
192, 2017/06/06 10:19:01, 0.7
193, 2017/06/06 10:19:11, 0.7
194, 2017/06/06 10:19:21, 0.7
195, 2017/06/06 10:19:31, 0.7
196, 2017/06/06 10:19:41, 0.7
197, 2017/06/06 10:19:51, 0.7
198, 2017/06/06 10:20:01, 0.7
199, 2017/06/06 10:20:11, 0.8
200, 2017/06/06 10:20:21, 0.8
201, 2017/06/06 10:20:31, 0.7
202, 2017/06/06 10:20:41, 0.7
203, 2017/06/06 10:20:51, 0.7
204, 2017/06/06 10:21:01, 0.8
205, 2017/06/06 10:21:11, 0.7
206, 2017/06/06 10:21:21, 0.7
207, 2017/06/06 10:21:31, 0.8
208, 2017/06/06 10:21:41, 0.7
209, 2017/06/06 10:21:51, 0.7
210, 2017/06/06 10:22:01, 0.7
211, 2017/06/06 10:22:11, 0.7
212, 2017/06/06 10:22:21, 0.7
213, 2017/06/06 10:22:31, 0.7
214, 2017/06/06 10:22:41, 0.7
215, 2017/06/06 10:22:51, 0.7
216, 2017/06/06 10:23:01, 0.7
217, 2017/06/06 10:23:11, 0.7
218, 2017/06/06 10:23:21, 0.7
219, 2017/06/06 10:23:31, 0.7
220, 2017/06/06 10:23:41, 0.7
221, 2017/06/06 10:23:51, 0.7
222, 2017/06/06 10:24:01, 0.7
223, 2017/06/06 10:24:11, 0.7
224, 2017/06/06 10:24:21, 0.7
225, 2017/06/06 10:24:31, 0.7
226, 2017/06/06 10:24:41, 0.7
227, 2017/06/06 10:24:51, 0.8
228, 2017/06/06 10:25:01, 0.7
229, 2017/06/06 10:25:11, 0.7
230, 2017/06/06 10:25:21, 0.7
231, 2017/06/06 10:25:31, 0.7
232, 2017/06/06 10:25:41, 0.7
233, 2017/06/06 10:25:51, 0.7
234, 2017/06/06 10:26:01, 0.8

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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235, 2017/06/06 10:26:11, 0.8
236, 2017/06/06 10:26:21, 1.0
237, 2017/06/06 10:26:31, 0.8
238, 2017/06/06 10:26:41, 0.7
239, 2017/06/06 10:26:51, 0.7
240, 2017/06/06 10:27:01, 0.7
241, 2017/06/06 10:27:11, 0.7
242, 2017/06/06 10:27:21, 0.7
243, 2017/06/06 10:27:31, 0.7
244, 2017/06/06 10:27:41, 0.7
245, 2017/06/06 10:27:51, 0.7
246, 2017/06/06 10:28:01, 0.7
247, 2017/06/06 10:28:11, 0.7
248, 2017/06/06 10:28:21, 0.7
249, 2017/06/06 10:28:31, 0.7
250, 2017/06/06 10:28:41, 0.7
251, 2017/06/06 10:28:51, 0.6
252, 2017/06/06 10:29:01, 0.7
253, 2017/06/06 10:29:11, 0.7
254, 2017/06/06 10:29:21, 0.7
255, 2017/06/06 10:29:31, 0.7
256, 2017/06/06 10:29:41, 0.7
257, 2017/06/06 10:29:51, 0.7
258, 2017/06/06 10:30:01, 0.7
259, 2017/06/06 10:30:11, 0.7
260, 2017/06/06 10:30:21, 0.7
261, 2017/06/06 10:30:31, 0.7
262, 2017/06/06 10:30:41, 0.7
263, 2017/06/06 10:30:51, 0.7
264, 2017/06/06 10:31:01, 0.7
265, 2017/06/06 10:31:11, 0.7
266, 2017/06/06 10:31:21, 0.6
267, 2017/06/06 10:31:31, 0.7
268, 2017/06/06 10:31:41, 0.7
269, 2017/06/06 10:31:51, 0.7
270, 2017/06/06 10:32:01, 0.7
271, 2017/06/06 10:32:11, 0.8
272, 2017/06/06 10:32:21, 0.7
273, 2017/06/06 10:32:31, 0.7
274, 2017/06/06 10:32:41, 0.7
275, 2017/06/06 10:32:51, 0.7
276, 2017/06/06 10:33:01, 0.7
277, 2017/06/06 10:33:11, 0.7
278, 2017/06/06 10:33:21, 0.7
279, 2017/06/06 10:33:31, 0.7
280, 2017/06/06 10:33:41, 0.7
281, 2017/06/06 10:33:51, 0.7

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

282, 2017/06/06 10:34:01, 0.7
283, 2017/06/06 10:34:11, 0.7
284, 2017/06/06 10:34:21, 0.7
285, 2017/06/06 10:34:31, 0.7
286, 2017/06/06 10:34:41, 0.7
287, 2017/06/06 10:34:51, 0.7
288, 2017/06/06 10:35:01, 0.7
289, 2017/06/06 10:35:11, 0.7
290, 2017/06/06 10:35:21, 0.7
291, 2017/06/06 10:35:31, 0.7
292, 2017/06/06 10:35:41, 0.7
293, 2017/06/06 10:35:51, 0.6
294, 2017/06/06 10:36:01, 0.7
295, 2017/06/06 10:36:11, 0.7
296, 2017/06/06 10:36:21, 0.7
297, 2017/06/06 10:36:31, 0.7
298, 2017/06/06 10:36:41, 0.8
299, 2017/06/06 10:36:51, 0.7
300, 2017/06/06 10:37:01, 0.7
301, 2017/06/06 10:37:11, 0.7
302, 2017/06/06 10:37:21, 0.7
303, 2017/06/06 10:37:31, 0.7
304, 2017/06/06 10:37:41, 0.7
305, 2017/06/06 10:37:51, 0.7
306, 2017/06/06 10:38:01, 0.7
307, 2017/06/06 10:38:11, 0.7
308, 2017/06/06 10:38:21, 0.7
309, 2017/06/06 10:38:31, 0.7
310, 2017/06/06 10:38:41, 0.7
311, 2017/06/06 10:38:51, 0.7
312, 2017/06/06 10:39:01, 0.7
313, 2017/06/06 10:39:11, 0.7
314, 2017/06/06 10:39:21, 0.7
315, 2017/06/06 10:39:31, 0.7
316, 2017/06/06 10:39:41, 0.7
317, 2017/06/06 10:39:51, 0.7
318, 2017/06/06 10:40:01, 0.7
319, 2017/06/06 10:40:11, 0.7
320, 2017/06/06 10:40:21, 0.7
321, 2017/06/06 10:40:31, 0.7
322, 2017/06/06 10:40:41, 0.7
323, 2017/06/06 10:40:51, 0.7
324, 2017/06/06 10:41:01, 0.7
325, 2017/06/06 10:41:11, 0.7
326, 2017/06/06 10:41:21, 0.7
327, 2017/06/06 10:41:31, 0.7
328, 2017/06/06 10:41:41, 0.7

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

329, 2017/06/06 10:41:51, 0.7
330, 2017/06/06 10:42:01, 0.7
331, 2017/06/06 10:42:11, 0.7
332, 2017/06/06 10:42:21, 0.7
333, 2017/06/06 10:42:31, 0.7
334, 2017/06/06 10:42:41, 0.7
335, 2017/06/06 10:42:51, 0.7
336, 2017/06/06 10:43:01, 0.7
337, 2017/06/06 10:43:11, 0.7
338, 2017/06/06 10:43:21, 0.7
339, 2017/06/06 10:43:31, 0.7
340, 2017/06/06 10:43:41, 0.7
341, 2017/06/06 10:43:51, 0.7
342, 2017/06/06 10:44:01, 0.7
343, 2017/06/06 10:44:11, 0.7
344, 2017/06/06 10:44:21, 0.7
345, 2017/06/06 10:44:31, 0.7
346, 2017/06/06 10:44:41, 0.7
347, 2017/06/06 10:44:51, 0.7
348, 2017/06/06 10:45:01, 0.7
349, 2017/06/06 10:45:11, 0.7
350, 2017/06/06 10:45:21, 0.7
351, 2017/06/06 10:45:31, 0.7
352, 2017/06/06 10:45:41, 0.7
353, 2017/06/06 10:45:51, 0.7
354, 2017/06/06 10:46:01, 0.7
355, 2017/06/06 10:46:11, 0.7
356, 2017/06/06 10:46:21, 0.7
357, 2017/06/06 10:46:31, 0.7
358, 2017/06/06 10:46:41, 0.7
359, 2017/06/06 10:46:51, 0.7
360, 2017/06/06 10:47:01, 0.7
361, 2017/06/06 10:47:11, 0.7
362, 2017/06/06 10:47:21, 0.7
363, 2017/06/06 10:47:31, 0.7
364, 2017/06/06 10:47:41, 0.7
365, 2017/06/06 10:47:51, 0.7
366, 2017/06/06 10:48:01, 0.7
367, 2017/06/06 10:48:11, 0.7
368, 2017/06/06 10:48:21, 0.7
369, 2017/06/06 10:48:31, 0.7
370, 2017/06/06 10:48:41, 0.7
371, 2017/06/06 10:48:51, 0.7
372, 2017/06/06 10:49:01, 0.7
373, 2017/06/06 10:49:11, 0.7
374, 2017/06/06 10:49:21, 0.7
375, 2017/06/06 10:49:31, 0.7

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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376, 2017/06/06 10:49:41, 0.6
377, 2017/06/06 10:49:51, 0.6
378, 2017/06/06 10:50:01, 0.6
379, 2017/06/06 10:50:11, 0.6
380, 2017/06/06 10:50:21, 0.7
381, 2017/06/06 10:50:31, 0.7
382, 2017/06/06 10:50:41, 0.7
383, 2017/06/06 10:50:51, 0.7
384, 2017/06/06 10:51:01, 0.7
385, 2017/06/06 10:51:11, 0.7
386, 2017/06/06 10:51:21, 0.7
387, 2017/06/06 10:51:31, 0.7
388, 2017/06/06 10:51:41, 0.7
389, 2017/06/06 10:51:51, 0.7
390, 2017/06/06 10:52:01, 0.7
391, 2017/06/06 10:52:11, 0.7
392, 2017/06/06 10:52:21, 0.7
393, 2017/06/06 10:52:31, 0.6
394, 2017/06/06 10:52:41, 0.6
395, 2017/06/06 10:52:51, 0.7
396, 2017/06/06 10:53:01, 0.7
397, 2017/06/06 10:53:11, 0.7
398, 2017/06/06 10:53:21, 0.7
399, 2017/06/06 10:53:31, 0.7
400, 2017/06/06 10:53:41, 0.7
401, 2017/06/06 10:53:51, 0.7
402, 2017/06/06 10:54:01, 0.7
403, 2017/06/06 10:54:11, 0.6
404, 2017/06/06 10:54:21, 0.7
405, 2017/06/06 10:54:31, 0.6
406, 2017/06/06 10:54:41, 0.7
407, 2017/06/06 10:54:51, 0.7
408, 2017/06/06 10:55:01, 0.7
409, 2017/06/06 10:55:11, 0.6
410, 2017/06/06 10:55:21, 0.6
411, 2017/06/06 10:55:31, 0.7
412, 2017/06/06 10:55:41, 0.7
413, 2017/06/06 10:55:51, 0.6
414, 2017/06/06 10:56:01, 0.7
415, 2017/06/06 10:56:11, 0.7
416, 2017/06/06 10:56:21, 0.6
417, 2017/06/06 10:56:31, 0.7
418, 2017/06/06 10:56:41, 0.7
419, 2017/06/06 10:56:51, 0.7
420, 2017/06/06 10:57:01, 0.7
421, 2017/06/06 10:57:11, 0.7
422, 2017/06/06 10:57:21, 0.6

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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423, 2017/06/06 10:57:31, 0.6
424, 2017/06/06 10:57:41, 0.6
425, 2017/06/06 10:57:51, 0.7
426, 2017/06/06 10:58:01, 0.7
427, 2017/06/06 10:58:11, 0.6
428, 2017/06/06 10:58:21, 0.7
429, 2017/06/06 10:58:31, 0.6
430, 2017/06/06 10:58:41, 0.6
431, 2017/06/06 10:58:51, 0.7
432, 2017/06/06 10:59:01, 0.7
433, 2017/06/06 10:59:11, 0.6
434, 2017/06/06 10:59:21, 0.7
435, 2017/06/06 10:59:31, 0.6
436, 2017/06/06 10:59:41, 0.6
437, 2017/06/06 10:59:51, 0.6
438, 2017/06/06 11:00:01, 0.6
439, 2017/06/06 11:00:11, 0.7
440, 2017/06/06 11:00:21, 0.7
441, 2017/06/06 11:00:31, 0.6
442, 2017/06/06 11:00:41, 0.7
443, 2017/06/06 11:00:51, 0.7
444, 2017/06/06 11:01:01, 0.7
445, 2017/06/06 11:01:11, 0.6
446, 2017/06/06 11:01:21, 0.6
447, 2017/06/06 11:01:31, 0.6
448, 2017/06/06 11:01:41, 0.6
449, 2017/06/06 11:01:51, 0.6
450, 2017/06/06 11:02:01, 0.6
451, 2017/06/06 11:02:11, 0.6
452, 2017/06/06 11:02:21, 0.7
453, 2017/06/06 11:02:31, 0.7
454, 2017/06/06 11:02:41, 0.6
455, 2017/06/06 11:02:51, 0.7
456, 2017/06/06 11:03:01, 0.7
457, 2017/06/06 11:03:11, 0.7
458, 2017/06/06 11:03:21, 0.7
459, 2017/06/06 11:03:31, 0.7
460, 2017/06/06 11:03:41, 0.6
461, 2017/06/06 11:03:51, 0.6
462, 2017/06/06 11:04:01, 0.7
463, 2017/06/06 11:04:11, 0.6
464, 2017/06/06 11:04:21, 0.6
465, 2017/06/06 11:04:31, 0.6
466, 2017/06/06 11:04:41, 0.6
467, 2017/06/06 11:04:51, 0.6
468, 2017/06/06 11:05:01, 0.6
469, 2017/06/06 11:05:11, 0.6

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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470, 2017/06/06 11:05:21, 0.6
471, 2017/06/06 11:05:31, 0.6
472, 2017/06/06 11:05:41, 0.6
473, 2017/06/06 11:05:51, 0.6
474, 2017/06/06 11:06:01, 0.6
475, 2017/06/06 11:06:11, 0.7
476, 2017/06/06 11:06:21, 0.6
477, 2017/06/06 11:06:31, 0.6
478, 2017/06/06 11:06:41, 0.6
479, 2017/06/06 11:06:51, 0.7
480, 2017/06/06 11:07:01, 0.7
481, 2017/06/06 11:07:11, 0.6
482, 2017/06/06 11:07:21, 0.6
483, 2017/06/06 11:07:31, 0.7
484, 2017/06/06 11:07:41, 0.6
485, 2017/06/06 11:07:51, 0.6
486, 2017/06/06 11:08:01, 0.6
487, 2017/06/06 11:08:11, 0.6
488, 2017/06/06 11:08:21, 0.6
489, 2017/06/06 11:08:31, 0.6
490, 2017/06/06 11:08:41, 0.6
491, 2017/06/06 11:08:51, 0.7
492, 2017/06/06 11:09:01, 0.6
493, 2017/06/06 11:09:11, 0.7
494, 2017/06/06 11:09:21, 0.7
495, 2017/06/06 11:09:31, 0.6
496, 2017/06/06 11:09:41, 0.6
497, 2017/06/06 11:09:51, 0.6
498, 2017/06/06 11:10:01, 0.6
499, 2017/06/06 11:10:11, 0.6
500, 2017/06/06 11:10:21, 0.6
501, 2017/06/06 11:10:31, 0.6
502, 2017/06/06 11:10:41, 0.7
503, 2017/06/06 11:10:51, 0.6
504, 2017/06/06 11:11:01, 0.6
505, 2017/06/06 11:11:11, 0.6
506, 2017/06/06 11:11:21, 0.7
507, 2017/06/06 11:11:31, 0.6
508, 2017/06/06 11:11:41, 0.8
509, 2017/06/06 11:11:51, 0.7
510, 2017/06/06 11:12:01, 0.7
511, 2017/06/06 11:12:11, 0.6
512, 2017/06/06 11:12:21, 0.6
513, 2017/06/06 11:12:31, 0.6
514, 2017/06/06 11:12:41, 0.7
515, 2017/06/06 11:12:51, 0.6
516, 2017/06/06 11:13:01, 0.6

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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517, 2017/06/06 11:13:11, 0.6
518, 2017/06/06 11:13:21, 0.6
519, 2017/06/06 11:13:31, 0.6
520, 2017/06/06 11:13:41, 0.6
521, 2017/06/06 11:13:51, 0.6
522, 2017/06/06 11:14:01, 0.6
523, 2017/06/06 11:14:11, 0.6
524, 2017/06/06 11:14:21, 0.6
525, 2017/06/06 11:14:31, 0.6
526, 2017/06/06 11:14:41, 0.6
527, 2017/06/06 11:14:51, 0.6
528, 2017/06/06 11:15:01, 0.6
529, 2017/06/06 11:15:11, 0.6
530, 2017/06/06 11:15:21, 0.6
531, 2017/06/06 11:15:31, 0.7
532, 2017/06/06 11:15:41, 0.7
533, 2017/06/06 11:15:51, 0.6
534, 2017/06/06 11:16:01, 0.6
535, 2017/06/06 11:16:11, 0.6
536, 2017/06/06 11:16:21, 0.6
537, 2017/06/06 11:16:31, 0.6
538, 2017/06/06 11:16:41, 0.6
539, 2017/06/06 11:16:51, 0.6
540, 2017/06/06 11:17:01, 0.6
541, 2017/06/06 11:17:11, 0.7
542, 2017/06/06 11:17:21, 0.6
543, 2017/06/06 11:17:31, 0.6
544, 2017/06/06 11:17:41, 0.6
545, 2017/06/06 11:17:51, 0.6
546, 2017/06/06 11:18:01, 0.6
547, 2017/06/06 11:18:11, 0.6
548, 2017/06/06 11:18:21, 0.7
549, 2017/06/06 11:18:31, 0.6
550, 2017/06/06 11:18:41, 0.6
551, 2017/06/06 11:18:51, 0.6
552, 2017/06/06 11:19:01, 0.7
553, 2017/06/06 11:19:11, 0.6
554, 2017/06/06 11:19:21, 0.6
555, 2017/06/06 11:19:31, 0.6
556, 2017/06/06 11:19:41, 0.6
557, 2017/06/06 11:19:51, 0.6
558, 2017/06/06 11:20:01, 0.6
559, 2017/06/06 11:20:11, 0.6
560, 2017/06/06 11:20:21, 0.6
561, 2017/06/06 11:20:31, 0.6
562, 2017/06/06 11:20:41, 0.6
563, 2017/06/06 11:20:51, 0.6

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

564, 2017/06/06 11:21:01, 0.6
565, 2017/06/06 11:21:11, 0.6
566, 2017/06/06 11:21:21, 0.6
567, 2017/06/06 11:21:31, 0.6
568, 2017/06/06 11:21:41, 0.6
569, 2017/06/06 11:21:51, 0.6
570, 2017/06/06 11:22:01, 0.6
571, 2017/06/06 11:22:11, 0.6
572, 2017/06/06 11:22:21, 0.6
573, 2017/06/06 11:22:31, 0.6
574, 2017/06/06 11:22:41, 0.6
575, 2017/06/06 11:22:51, 0.6
576, 2017/06/06 11:23:01, 0.6
577, 2017/06/06 11:23:11, 0.6
578, 2017/06/06 11:23:21, 0.6
579, 2017/06/06 11:23:31, 0.6
580, 2017/06/06 11:23:41, 0.6
581, 2017/06/06 11:23:51, 0.6
582, 2017/06/06 11:24:01, 0.6
583, 2017/06/06 11:24:11, 0.6
584, 2017/06/06 11:24:21, 0.6
585, 2017/06/06 11:24:31, 0.6
586, 2017/06/06 11:24:41, 0.6
587, 2017/06/06 11:24:51, 0.6
588, 2017/06/06 11:25:01, 0.6
589, 2017/06/06 11:25:11, 0.6
590, 2017/06/06 11:25:21, 0.6
591, 2017/06/06 11:25:31, 0.6
592, 2017/06/06 11:25:41, 0.6
593, 2017/06/06 11:25:51, 0.6
594, 2017/06/06 11:26:01, 0.6
595, 2017/06/06 11:26:11, 0.6
596, 2017/06/06 11:26:21, 0.6
597, 2017/06/06 11:26:31, 0.6
598, 2017/06/06 11:26:41, 0.6
599, 2017/06/06 11:26:51, 0.6
600, 2017/06/06 11:27:01, 0.6
601, 2017/06/06 11:27:11, 0.6
602, 2017/06/06 11:27:21, 0.7
603, 2017/06/06 11:27:31, 0.6
604, 2017/06/06 11:27:41, 0.6
605, 2017/06/06 11:27:51, 0.6
606, 2017/06/06 11:28:01, 0.6
607, 2017/06/06 11:28:11, 0.6
608, 2017/06/06 11:28:21, 0.6
609, 2017/06/06 11:28:31, 0.6
610, 2017/06/06 11:28:41, 0.6

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

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611, 2017/06/06 11:28:51, 0.6
612, 2017/06/06 11:29:01, 0.6
613, 2017/06/06 11:29:11, 0.6
614, 2017/06/06 11:29:21, 0.6
615, 2017/06/06 11:29:31, 0.6
Peak, , 1.2
Min, , 0.6
Average, , 0.7

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17/06/06 13:36

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-919032
Unit Firmware Ver	V2.14
Running Mode	Hygiene Mode
Datalog Mode	Manual
Diagnostic Mode	No
Stop Reason	Stop by User
Site ID	RAE00000
User ID	USER0000
Begin	6/6/2017 13:36
End	6/6/2017 16:00
Sample Period(s)	10
Number of Records	866
Sensor	PID(ppm)
Sensor SN	S023030206U3
Measure Type	Avg
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	6/6/2017 7:26
Peak	N/A
Min	N/A
Average	N/A

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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****
Datalog
, , PID(ppm)
Index, Date/Time, (Avg)
001, 2017/06/06 13:36:43, 0.6
002, 2017/06/06 13:36:53, 0.6
003, 2017/06/06 13:37:03, 0.7
004, 2017/06/06 13:37:13, 0.8
005, 2017/06/06 13:37:23, 0.6
006, 2017/06/06 13:37:33, 0.6
007, 2017/06/06 13:37:43, 0.6
008, 2017/06/06 13:37:53, 0.6
009, 2017/06/06 13:38:03, 0.6
010, 2017/06/06 13:38:13, 0.6
011, 2017/06/06 13:38:23, 0.6
012, 2017/06/06 13:38:33, 0.6
013, 2017/06/06 13:38:43, 0.6
014, 2017/06/06 13:38:53, 0.6
015, 2017/06/06 13:39:03, 0.6
016, 2017/06/06 13:39:13, 0.6
017, 2017/06/06 13:39:23, 0.6
018, 2017/06/06 13:39:33, 0.6
019, 2017/06/06 13:39:43, 0.6
020, 2017/06/06 13:39:53, 0.6
021, 2017/06/06 13:40:03, 0.6
022, 2017/06/06 13:40:13, 0.6
023, 2017/06/06 13:40:23, 0.6
024, 2017/06/06 13:40:33, 0.6
025, 2017/06/06 13:40:43, 0.6
026, 2017/06/06 13:40:53, 0.5
027, 2017/06/06 13:41:03, 0.6
028, 2017/06/06 13:41:13, 0.6
029, 2017/06/06 13:41:23, 0.6
030, 2017/06/06 13:41:33, 0.6
031, 2017/06/06 13:41:43, 0.6
032, 2017/06/06 13:41:53, 0.5
033, 2017/06/06 13:42:03, 0.6
034, 2017/06/06 13:42:13, 0.6
035, 2017/06/06 13:42:23, 0.6
036, 2017/06/06 13:42:33, 0.5
037, 2017/06/06 13:42:43, 0.5
038, 2017/06/06 13:42:53, 0.6
039, 2017/06/06 13:43:03, 0.6
040, 2017/06/06 13:43:13, 0.6
041, 2017/06/06 13:43:23, 0.6
042, 2017/06/06 13:43:33, 0.5
043, 2017/06/06 13:43:43, 0.6

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

044, 2017/06/06 13:43:53, 0.5
045, 2017/06/06 13:44:03, 0.5
046, 2017/06/06 13:44:13, 0.5
047, 2017/06/06 13:44:23, 0.6
048, 2017/06/06 13:44:33, 0.6
049, 2017/06/06 13:44:43, 0.5
050, 2017/06/06 13:44:53, 0.5
051, 2017/06/06 13:45:03, 0.5
052, 2017/06/06 13:45:13, 0.5
053, 2017/06/06 13:45:23, 0.5
054, 2017/06/06 13:45:33, 0.6
055, 2017/06/06 13:45:43, 0.6
056, 2017/06/06 13:45:53, 0.5
057, 2017/06/06 13:46:03, 0.5
058, 2017/06/06 13:46:13, 0.6
059, 2017/06/06 13:46:23, 0.6
060, 2017/06/06 13:46:33, 0.6
061, 2017/06/06 13:46:43, 0.6
062, 2017/06/06 13:46:53, 0.6
063, 2017/06/06 13:47:03, 0.6
064, 2017/06/06 13:47:13, 0.6
065, 2017/06/06 13:47:23, 0.6
066, 2017/06/06 13:47:33, 0.5
067, 2017/06/06 13:47:43, 0.6
068, 2017/06/06 13:47:53, 0.5
069, 2017/06/06 13:48:03, 0.5
070, 2017/06/06 13:48:13, 0.6
071, 2017/06/06 13:48:23, 0.6
072, 2017/06/06 13:48:33, 0.6
073, 2017/06/06 13:48:43, 0.7
074, 2017/06/06 13:48:53, 0.6
075, 2017/06/06 13:49:03, 0.6
076, 2017/06/06 13:49:13, 0.6
077, 2017/06/06 13:49:23, 0.6
078, 2017/06/06 13:49:33, 0.6
079, 2017/06/06 13:49:43, 0.6
080, 2017/06/06 13:49:53, 0.6
081, 2017/06/06 13:50:03, 0.6
082, 2017/06/06 13:50:13, 0.6
083, 2017/06/06 13:50:23, 0.6
084, 2017/06/06 13:50:33, 0.6
085, 2017/06/06 13:50:43, 0.6
086, 2017/06/06 13:50:53, 0.6
087, 2017/06/06 13:51:03, 0.5
088, 2017/06/06 13:51:13, 0.6
089, 2017/06/06 13:51:23, 0.5
090, 2017/06/06 13:51:33, 0.5

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

091, 2017/06/06 13:51:43, 0.5
092, 2017/06/06 13:51:53, 0.6
093, 2017/06/06 13:52:03, 0.6
094, 2017/06/06 13:52:13, 0.5
095, 2017/06/06 13:52:23, 0.6
096, 2017/06/06 13:52:33, 0.6
097, 2017/06/06 13:52:43, 0.6
098, 2017/06/06 13:52:53, 0.6
099, 2017/06/06 13:53:03, 0.6
100, 2017/06/06 13:53:13, 0.6
101, 2017/06/06 13:53:23, 0.6
102, 2017/06/06 13:53:33, 0.6
103, 2017/06/06 13:53:43, 0.5
104, 2017/06/06 13:53:53, 0.6
105, 2017/06/06 13:54:03, 0.5
106, 2017/06/06 13:54:13, 0.5
107, 2017/06/06 13:54:23, 0.6
108, 2017/06/06 13:54:33, 0.7
109, 2017/06/06 13:54:43, 0.7
110, 2017/06/06 13:54:53, 0.6
111, 2017/06/06 13:55:03, 0.6
112, 2017/06/06 13:55:13, 0.6
113, 2017/06/06 13:55:23, 0.6
114, 2017/06/06 13:55:33, 0.6
115, 2017/06/06 13:55:43, 0.6
116, 2017/06/06 13:55:53, 0.6
117, 2017/06/06 13:56:03, 0.5
118, 2017/06/06 13:56:13, 0.5
119, 2017/06/06 13:56:23, 0.6
120, 2017/06/06 13:56:33, 0.6
121, 2017/06/06 13:56:43, 0.6
122, 2017/06/06 13:56:53, 0.6
123, 2017/06/06 13:57:03, 0.6
124, 2017/06/06 13:57:13, 0.6
125, 2017/06/06 13:57:23, 0.6
126, 2017/06/06 13:57:33, 0.5
127, 2017/06/06 13:57:43, 0.6
128, 2017/06/06 13:57:53, 0.6
129, 2017/06/06 13:58:03, 0.6
130, 2017/06/06 13:58:13, 0.6
131, 2017/06/06 13:58:23, 0.6
132, 2017/06/06 13:58:33, 0.6
133, 2017/06/06 13:58:43, 0.5
134, 2017/06/06 13:58:53, 0.6
135, 2017/06/06 13:59:03, 0.6
136, 2017/06/06 13:59:13, 0.6
137, 2017/06/06 13:59:23, 0.6

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

138, 2017/06/06 13:59:33, 0.5
139, 2017/06/06 13:59:43, 0.5
140, 2017/06/06 13:59:53, 0.5
141, 2017/06/06 14:00:03, 0.5
142, 2017/06/06 14:00:13, 0.6
143, 2017/06/06 14:00:23, 0.5
144, 2017/06/06 14:00:33, 0.5
145, 2017/06/06 14:00:43, 0.5
146, 2017/06/06 14:00:53, 0.5
147, 2017/06/06 14:01:03, 0.5
148, 2017/06/06 14:01:13, 0.5
149, 2017/06/06 14:01:23, 0.6
150, 2017/06/06 14:01:33, 0.5
151, 2017/06/06 14:01:43, 0.6
152, 2017/06/06 14:01:53, 0.6
153, 2017/06/06 14:02:03, 0.5
154, 2017/06/06 14:02:13, 0.5
155, 2017/06/06 14:02:23, 0.5
156, 2017/06/06 14:02:33, 0.6
157, 2017/06/06 14:02:43, 0.5
158, 2017/06/06 14:02:53, 0.5
159, 2017/06/06 14:03:03, 0.5
160, 2017/06/06 14:03:13, 0.5
161, 2017/06/06 14:03:23, 0.5
162, 2017/06/06 14:03:33, 0.5
163, 2017/06/06 14:03:43, 0.5
164, 2017/06/06 14:03:53, 0.5
165, 2017/06/06 14:04:03, 0.6
166, 2017/06/06 14:04:13, 0.6
167, 2017/06/06 14:04:23, 0.6
168, 2017/06/06 14:04:33, 0.5
169, 2017/06/06 14:04:43, 0.5
170, 2017/06/06 14:04:53, 0.5
171, 2017/06/06 14:05:03, 0.5
172, 2017/06/06 14:05:13, 0.6
173, 2017/06/06 14:05:23, 0.5
174, 2017/06/06 14:05:33, 0.5
175, 2017/06/06 14:05:43, 0.5
176, 2017/06/06 14:05:53, 0.5
177, 2017/06/06 14:06:03, 0.5
178, 2017/06/06 14:06:13, 0.5
179, 2017/06/06 14:06:23, 0.6
180, 2017/06/06 14:06:33, 0.5
181, 2017/06/06 14:06:43, 0.5
182, 2017/06/06 14:06:53, 0.5
183, 2017/06/06 14:07:03, 0.5
184, 2017/06/06 14:07:13, 0.6

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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185, 2017/06/06 14:07:23, 0.5
186, 2017/06/06 14:07:33, 0.5
187, 2017/06/06 14:07:43, 0.5
188, 2017/06/06 14:07:53, 0.5
189, 2017/06/06 14:08:03, 0.5
190, 2017/06/06 14:08:13, 0.5
191, 2017/06/06 14:08:23, 0.5
192, 2017/06/06 14:08:33, 0.5
193, 2017/06/06 14:08:43, 0.5
194, 2017/06/06 14:08:53, 0.5
195, 2017/06/06 14:09:03, 0.5
196, 2017/06/06 14:09:13, 0.5
197, 2017/06/06 14:09:23, 0.5
198, 2017/06/06 14:09:33, 0.5
199, 2017/06/06 14:09:43, 0.5
200, 2017/06/06 14:09:53, 0.5
201, 2017/06/06 14:10:03, 0.5
202, 2017/06/06 14:10:13, 0.5
203, 2017/06/06 14:10:23, 0.5
204, 2017/06/06 14:10:33, 0.5
205, 2017/06/06 14:10:43, 0.5
206, 2017/06/06 14:10:53, 0.5
207, 2017/06/06 14:11:03, 0.5
208, 2017/06/06 14:11:13, 0.5
209, 2017/06/06 14:11:23, 0.5
210, 2017/06/06 14:11:33, 0.5
211, 2017/06/06 14:11:43, 0.5
212, 2017/06/06 14:11:53, 0.5
213, 2017/06/06 14:12:03, 0.5
214, 2017/06/06 14:12:13, 0.5
215, 2017/06/06 14:12:23, 0.5
216, 2017/06/06 14:12:33, 0.5
217, 2017/06/06 14:12:43, 0.5
218, 2017/06/06 14:12:53, 0.5
219, 2017/06/06 14:13:03, 0.6
220, 2017/06/06 14:13:13, 0.5
221, 2017/06/06 14:13:23, 0.5
222, 2017/06/06 14:13:33, 0.5
223, 2017/06/06 14:13:43, 0.5
224, 2017/06/06 14:13:53, 0.6
225, 2017/06/06 14:14:03, 0.5
226, 2017/06/06 14:14:13, 0.5
227, 2017/06/06 14:14:23, 0.5
228, 2017/06/06 14:14:33, 0.5
229, 2017/06/06 14:14:43, 0.5
230, 2017/06/06 14:14:53, 0.5
231, 2017/06/06 14:15:03, 0.6

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

232, 2017/06/06 14:15:13, 0.5
233, 2017/06/06 14:15:23, 0.5
234, 2017/06/06 14:15:33, 0.6
235, 2017/06/06 14:15:43, 0.5
236, 2017/06/06 14:15:53, 0.6
237, 2017/06/06 14:16:03, 0.5
238, 2017/06/06 14:16:13, 0.5
239, 2017/06/06 14:16:23, 0.5
240, 2017/06/06 14:16:33, 0.6
241, 2017/06/06 14:16:43, 0.5
242, 2017/06/06 14:16:53, 0.5
243, 2017/06/06 14:17:03, 0.6
244, 2017/06/06 14:17:13, 0.5
245, 2017/06/06 14:17:23, 0.5
246, 2017/06/06 14:17:33, 0.6
247, 2017/06/06 14:17:43, 0.6
248, 2017/06/06 14:17:53, 0.5
249, 2017/06/06 14:18:03, 0.5
250, 2017/06/06 14:18:13, 0.5
251, 2017/06/06 14:18:23, 0.5
252, 2017/06/06 14:18:33, 0.5
253, 2017/06/06 14:18:43, 0.5
254, 2017/06/06 14:18:53, 0.5
255, 2017/06/06 14:19:03, 0.5
256, 2017/06/06 14:19:13, 0.6
257, 2017/06/06 14:19:23, 0.5
258, 2017/06/06 14:19:33, 0.6
259, 2017/06/06 14:19:43, 0.5
260, 2017/06/06 14:19:53, 0.6
261, 2017/06/06 14:20:03, 0.6
262, 2017/06/06 14:20:13, 0.5
263, 2017/06/06 14:20:23, 0.5
264, 2017/06/06 14:20:33, 0.5
265, 2017/06/06 14:20:43, 0.6
266, 2017/06/06 14:20:53, 0.5
267, 2017/06/06 14:21:03, 0.5
268, 2017/06/06 14:21:13, 0.6
269, 2017/06/06 14:21:23, 0.5
270, 2017/06/06 14:21:33, 0.5
271, 2017/06/06 14:21:43, 0.5
272, 2017/06/06 14:21:53, 0.5
273, 2017/06/06 14:22:03, 0.6
274, 2017/06/06 14:22:13, 0.6
275, 2017/06/06 14:22:23, 0.5
276, 2017/06/06 14:22:33, 0.5
277, 2017/06/06 14:22:43, 0.6
278, 2017/06/06 14:22:53, 0.6

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

279, 2017/06/06 14:23:03, 0.5
280, 2017/06/06 14:23:13, 0.5
281, 2017/06/06 14:23:23, 0.5
282, 2017/06/06 14:23:33, 0.6
283, 2017/06/06 14:23:43, 0.6
284, 2017/06/06 14:23:53, 0.5
285, 2017/06/06 14:24:03, 0.5
286, 2017/06/06 14:24:13, 0.5
287, 2017/06/06 14:24:23, 0.5
288, 2017/06/06 14:24:33, 0.6
289, 2017/06/06 14:24:43, 0.5
290, 2017/06/06 14:24:53, 0.5
291, 2017/06/06 14:25:03, 0.5
292, 2017/06/06 14:25:13, 0.5
293, 2017/06/06 14:25:23, 0.5
294, 2017/06/06 14:25:33, 0.5
295, 2017/06/06 14:25:43, 0.5
296, 2017/06/06 14:25:53, 0.5
297, 2017/06/06 14:26:03, 0.5
298, 2017/06/06 14:26:13, 0.5
299, 2017/06/06 14:26:23, 0.5
300, 2017/06/06 14:26:33, 0.5
301, 2017/06/06 14:26:43, 0.6
302, 2017/06/06 14:26:53, 0.5
303, 2017/06/06 14:27:03, 0.5
304, 2017/06/06 14:27:13, 0.6
305, 2017/06/06 14:27:23, 0.5
306, 2017/06/06 14:27:33, 0.5
307, 2017/06/06 14:27:43, 0.5
308, 2017/06/06 14:27:53, 0.6
309, 2017/06/06 14:28:03, 0.5
310, 2017/06/06 14:28:13, 0.5
311, 2017/06/06 14:28:23, 0.5
312, 2017/06/06 14:28:33, 0.5
313, 2017/06/06 14:28:43, 0.5
314, 2017/06/06 14:28:53, 0.6
315, 2017/06/06 14:29:03, 0.5
316, 2017/06/06 14:29:13, 0.5
317, 2017/06/06 14:29:23, 0.5
318, 2017/06/06 14:29:33, 0.5
319, 2017/06/06 14:29:43, 0.5
320, 2017/06/06 14:29:53, 0.6
321, 2017/06/06 14:30:03, 0.6
322, 2017/06/06 14:30:13, 0.6
323, 2017/06/06 14:30:23, 0.5
324, 2017/06/06 14:30:33, 0.5
325, 2017/06/06 14:30:43, 0.5

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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326, 2017/06/06 14:30:53, 0.5
327, 2017/06/06 14:31:03, 0.5
328, 2017/06/06 14:31:13, 0.5
329, 2017/06/06 14:31:23, 0.5
330, 2017/06/06 14:31:33, 0.5
331, 2017/06/06 14:31:43, 0.5
332, 2017/06/06 14:31:53, 0.5
333, 2017/06/06 14:32:03, 0.5
334, 2017/06/06 14:32:13, 0.5
335, 2017/06/06 14:32:23, 0.5
336, 2017/06/06 14:32:33, 0.5
337, 2017/06/06 14:32:43, 0.5
338, 2017/06/06 14:32:53, 0.5
339, 2017/06/06 14:33:03, 0.5
340, 2017/06/06 14:33:13, 0.5
341, 2017/06/06 14:33:23, 0.5
342, 2017/06/06 14:33:33, 0.4
343, 2017/06/06 14:33:43, 0.5
344, 2017/06/06 14:33:53, 0.5
345, 2017/06/06 14:34:03, 0.5
346, 2017/06/06 14:34:13, 0.5
347, 2017/06/06 14:34:23, 0.5
348, 2017/06/06 14:34:33, 0.4
349, 2017/06/06 14:34:43, 0.5
350, 2017/06/06 14:34:53, 0.5
351, 2017/06/06 14:35:03, 0.5
352, 2017/06/06 14:35:13, 0.4
353, 2017/06/06 14:35:23, 0.5
354, 2017/06/06 14:35:33, 0.5
355, 2017/06/06 14:35:43, 0.5
356, 2017/06/06 14:35:53, 0.5
357, 2017/06/06 14:36:03, 0.4
358, 2017/06/06 14:36:13, 0.5
359, 2017/06/06 14:36:23, 0.5
360, 2017/06/06 14:36:33, 0.5
361, 2017/06/06 14:36:43, 0.5
362, 2017/06/06 14:36:53, 0.6
363, 2017/06/06 14:37:03, 0.6
364, 2017/06/06 14:37:13, 0.6
365, 2017/06/06 14:37:23, 0.6
366, 2017/06/06 14:37:33, 0.6
367, 2017/06/06 14:37:43, 0.5
368, 2017/06/06 14:37:53, 0.6
369, 2017/06/06 14:38:03, 0.6
370, 2017/06/06 14:38:13, 0.5
371, 2017/06/06 14:38:23, 0.5
372, 2017/06/06 14:38:33, 0.6

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

373, 2017/06/06 14:38:43, 0.6
374, 2017/06/06 14:38:53, 0.5
375, 2017/06/06 14:39:03, 0.5
376, 2017/06/06 14:39:13, 0.5
377, 2017/06/06 14:39:23, 0.6
378, 2017/06/06 14:39:33, 0.6
379, 2017/06/06 14:39:43, 0.6
380, 2017/06/06 14:39:53, 0.6
381, 2017/06/06 14:40:03, 0.6
382, 2017/06/06 14:40:13, 0.6
383, 2017/06/06 14:40:23, 0.6
384, 2017/06/06 14:40:33, 0.6
385, 2017/06/06 14:40:43, 0.6
386, 2017/06/06 14:40:53, 0.6
387, 2017/06/06 14:41:03, 0.6
388, 2017/06/06 14:41:13, 0.6
389, 2017/06/06 14:41:23, 0.6
390, 2017/06/06 14:41:33, 0.5
391, 2017/06/06 14:41:43, 0.6
392, 2017/06/06 14:41:53, 0.6
393, 2017/06/06 14:42:03, 0.6
394, 2017/06/06 14:42:13, 0.6
395, 2017/06/06 14:42:23, 0.6
396, 2017/06/06 14:42:33, 0.6
397, 2017/06/06 14:42:43, 0.6
398, 2017/06/06 14:42:53, 0.6
399, 2017/06/06 14:43:03, 0.6
400, 2017/06/06 14:43:13, 0.6
401, 2017/06/06 14:43:23, 0.6
402, 2017/06/06 14:43:33, 0.6
403, 2017/06/06 14:43:43, 0.6
404, 2017/06/06 14:43:53, 0.6
405, 2017/06/06 14:44:03, 0.6
406, 2017/06/06 14:44:13, 0.6
407, 2017/06/06 14:44:23, 0.6
408, 2017/06/06 14:44:33, 0.6
409, 2017/06/06 14:44:43, 0.6
410, 2017/06/06 14:44:53, 0.6
411, 2017/06/06 14:45:03, 0.6
412, 2017/06/06 14:45:13, 0.6
413, 2017/06/06 14:45:23, 0.6
414, 2017/06/06 14:45:33, 0.6
415, 2017/06/06 14:45:43, 0.6
416, 2017/06/06 14:45:53, 0.6
417, 2017/06/06 14:46:03, 0.6
418, 2017/06/06 14:46:13, 0.7
419, 2017/06/06 14:46:23, 0.6

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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420, 2017/06/06 14:46:33, 0.6
421, 2017/06/06 14:46:43, 0.6
422, 2017/06/06 14:46:53, 0.6
423, 2017/06/06 14:47:03, 0.6
424, 2017/06/06 14:47:13, 0.6
425, 2017/06/06 14:47:23, 0.6
426, 2017/06/06 14:47:33, 0.6
427, 2017/06/06 14:47:43, 0.6
428, 2017/06/06 14:47:53, 0.6
429, 2017/06/06 14:48:03, 0.6
430, 2017/06/06 14:48:13, 0.6
431, 2017/06/06 14:48:23, 0.6
432, 2017/06/06 14:48:33, 0.6
433, 2017/06/06 14:48:43, 0.6
434, 2017/06/06 14:48:53, 0.6
435, 2017/06/06 14:49:03, 0.6
436, 2017/06/06 14:49:13, 0.7
437, 2017/06/06 14:49:23, 0.6
438, 2017/06/06 14:49:33, 0.6
439, 2017/06/06 14:49:43, 0.6
440, 2017/06/06 14:49:53, 0.6
441, 2017/06/06 14:50:03, 0.6
442, 2017/06/06 14:50:13, 0.6
443, 2017/06/06 14:50:23, 0.6
444, 2017/06/06 14:50:33, 0.6
445, 2017/06/06 14:50:43, 0.6
446, 2017/06/06 14:50:53, 0.6
447, 2017/06/06 14:51:03, 0.7
448, 2017/06/06 14:51:13, 0.6
449, 2017/06/06 14:51:23, 0.6
450, 2017/06/06 14:51:33, 0.6
451, 2017/06/06 14:51:43, 0.6
452, 2017/06/06 14:51:53, 0.6
453, 2017/06/06 14:52:03, 0.6
454, 2017/06/06 14:52:13, 0.6
455, 2017/06/06 14:52:23, 0.6
456, 2017/06/06 14:52:33, 0.6
457, 2017/06/06 14:52:43, 0.6
458, 2017/06/06 14:52:53, 0.6
459, 2017/06/06 14:53:03, 0.6
460, 2017/06/06 14:53:13, 0.6
461, 2017/06/06 14:53:23, 0.7
462, 2017/06/06 14:53:33, 0.6
463, 2017/06/06 14:53:43, 0.6
464, 2017/06/06 14:53:53, 0.6
465, 2017/06/06 14:54:03, 0.6
466, 2017/06/06 14:54:13, 0.6

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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467, 2017/06/06 14:54:23, 0.6
468, 2017/06/06 14:54:33, 0.6
469, 2017/06/06 14:54:43, 0.6
470, 2017/06/06 14:54:53, 0.6
471, 2017/06/06 14:55:03, 0.6
472, 2017/06/06 14:55:13, 0.6
473, 2017/06/06 14:55:23, 0.6
474, 2017/06/06 14:55:33, 0.6
475, 2017/06/06 14:55:43, 0.6
476, 2017/06/06 14:55:53, 0.6
477, 2017/06/06 14:56:03, 0.6
478, 2017/06/06 14:56:13, 0.6
479, 2017/06/06 14:56:23, 0.6
480, 2017/06/06 14:56:33, 0.6
481, 2017/06/06 14:56:43, 0.6
482, 2017/06/06 14:56:53, 0.6
483, 2017/06/06 14:57:03, 0.6
484, 2017/06/06 14:57:13, 0.7
485, 2017/06/06 14:57:23, 0.6
486, 2017/06/06 14:57:33, 0.6
487, 2017/06/06 14:57:43, 0.6
488, 2017/06/06 14:57:53, 0.6
489, 2017/06/06 14:58:03, 0.6
490, 2017/06/06 14:58:13, 0.6
491, 2017/06/06 14:58:23, 0.6
492, 2017/06/06 14:58:33, 0.6
493, 2017/06/06 14:58:43, 0.6
494, 2017/06/06 14:58:53, 0.6
495, 2017/06/06 14:59:03, 0.6
496, 2017/06/06 14:59:13, 0.6
497, 2017/06/06 14:59:23, 0.6
498, 2017/06/06 14:59:33, 0.6
499, 2017/06/06 14:59:43, 0.7
500, 2017/06/06 14:59:53, 0.6
501, 2017/06/06 15:00:03, 0.6
502, 2017/06/06 15:00:13, 0.6
503, 2017/06/06 15:00:23, 0.6
504, 2017/06/06 15:00:33, 0.6
505, 2017/06/06 15:00:43, 0.6
506, 2017/06/06 15:00:53, 0.6
507, 2017/06/06 15:01:03, 0.6
508, 2017/06/06 15:01:13, 0.6
509, 2017/06/06 15:01:23, 0.6
510, 2017/06/06 15:01:33, 0.6
511, 2017/06/06 15:01:43, 0.6
512, 2017/06/06 15:01:53, 0.6
513, 2017/06/06 15:02:03, 0.5

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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514, 2017/06/06 15:02:13, 0.5
515, 2017/06/06 15:02:23, 0.6
516, 2017/06/06 15:02:33, 0.6
517, 2017/06/06 15:02:43, 0.6
518, 2017/06/06 15:02:53, 0.6
519, 2017/06/06 15:03:03, 0.6
520, 2017/06/06 15:03:13, 0.6
521, 2017/06/06 15:03:23, 0.6
522, 2017/06/06 15:03:33, 0.6
523, 2017/06/06 15:03:43, 0.6
524, 2017/06/06 15:03:53, 0.6
525, 2017/06/06 15:04:03, 0.6
526, 2017/06/06 15:04:13, 0.6
527, 2017/06/06 15:04:23, 0.6
528, 2017/06/06 15:04:33, 0.6
529, 2017/06/06 15:04:43, 0.6
530, 2017/06/06 15:04:53, 0.6
531, 2017/06/06 15:05:03, 0.6
532, 2017/06/06 15:05:13, 0.6
533, 2017/06/06 15:05:23, 0.6
534, 2017/06/06 15:05:33, 0.6
535, 2017/06/06 15:05:43, 0.6
536, 2017/06/06 15:05:53, 0.6
537, 2017/06/06 15:06:03, 0.6
538, 2017/06/06 15:06:13, 0.6
539, 2017/06/06 15:06:23, 0.6
540, 2017/06/06 15:06:33, 0.6
541, 2017/06/06 15:06:43, 0.6
542, 2017/06/06 15:06:53, 0.6
543, 2017/06/06 15:07:03, 0.6
544, 2017/06/06 15:07:13, 0.6
545, 2017/06/06 15:07:23, 0.6
546, 2017/06/06 15:07:33, 0.6
547, 2017/06/06 15:07:43, 0.6
548, 2017/06/06 15:07:53, 0.6
549, 2017/06/06 15:08:03, 0.6
550, 2017/06/06 15:08:13, 0.6
551, 2017/06/06 15:08:23, 0.6
552, 2017/06/06 15:08:33, 0.6
553, 2017/06/06 15:08:43, 0.6
554, 2017/06/06 15:08:53, 0.5
555, 2017/06/06 15:09:03, 0.6
556, 2017/06/06 15:09:13, 0.6
557, 2017/06/06 15:09:23, 0.6
558, 2017/06/06 15:09:33, 0.6
559, 2017/06/06 15:09:43, 0.6
560, 2017/06/06 15:09:53, 0.6

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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561, 2017/06/06 15:10:03, 0.6
562, 2017/06/06 15:10:13, 0.6
563, 2017/06/06 15:10:23, 0.6
564, 2017/06/06 15:10:33, 0.6
565, 2017/06/06 15:10:43, 0.6
566, 2017/06/06 15:10:53, 0.6
567, 2017/06/06 15:11:03, 0.6
568, 2017/06/06 15:11:13, 0.6
569, 2017/06/06 15:11:23, 0.6
570, 2017/06/06 15:11:33, 0.6
571, 2017/06/06 15:11:43, 0.6
572, 2017/06/06 15:11:53, 0.6
573, 2017/06/06 15:12:03, 0.5
574, 2017/06/06 15:12:13, 0.6
575, 2017/06/06 15:12:23, 0.5
576, 2017/06/06 15:12:33, 0.6
577, 2017/06/06 15:12:43, 0.6
578, 2017/06/06 15:12:53, 0.6
579, 2017/06/06 15:13:03, 0.6
580, 2017/06/06 15:13:13, 0.6
581, 2017/06/06 15:13:23, 0.6
582, 2017/06/06 15:13:33, 0.6
583, 2017/06/06 15:13:43, 0.6
584, 2017/06/06 15:13:53, 0.6
585, 2017/06/06 15:14:03, 0.6
586, 2017/06/06 15:14:13, 0.6
587, 2017/06/06 15:14:23, 0.6
588, 2017/06/06 15:14:33, 0.6
589, 2017/06/06 15:14:43, 0.6
590, 2017/06/06 15:14:53, 0.5
591, 2017/06/06 15:15:03, 0.6
592, 2017/06/06 15:15:13, 0.6
593, 2017/06/06 15:15:23, 0.6
594, 2017/06/06 15:15:33, 0.6
595, 2017/06/06 15:15:43, 0.5
596, 2017/06/06 15:15:53, 0.6
597, 2017/06/06 15:16:03, 0.5
598, 2017/06/06 15:16:13, 0.6
599, 2017/06/06 15:16:23, 0.7
600, 2017/06/06 15:16:33, 0.6
601, 2017/06/06 15:16:43, 0.6
602, 2017/06/06 15:16:53, 0.6
603, 2017/06/06 15:17:03, 0.6
604, 2017/06/06 15:17:13, 0.6
605, 2017/06/06 15:17:23, 0.7
606, 2017/06/06 15:17:33, 0.6
607, 2017/06/06 15:17:43, 0.6

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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608, 2017/06/06 15:17:53, 0.6
609, 2017/06/06 15:18:03, 0.6
610, 2017/06/06 15:18:13, 0.6
611, 2017/06/06 15:18:23, 0.6
612, 2017/06/06 15:18:33, 0.6
613, 2017/06/06 15:18:43, 0.6
614, 2017/06/06 15:18:53, 0.6
615, 2017/06/06 15:19:03, 0.6
616, 2017/06/06 15:19:13, 0.6
617, 2017/06/06 15:19:23, 0.6
618, 2017/06/06 15:19:33, 0.6
619, 2017/06/06 15:19:43, 0.6
620, 2017/06/06 15:19:53, 0.6
621, 2017/06/06 15:20:03, 0.6
622, 2017/06/06 15:20:13, 0.6
623, 2017/06/06 15:20:23, 0.6
624, 2017/06/06 15:20:33, 0.6
625, 2017/06/06 15:20:43, 0.6
626, 2017/06/06 15:20:53, 0.6
627, 2017/06/06 15:21:03, 0.6
628, 2017/06/06 15:21:13, 0.6
629, 2017/06/06 15:21:23, 0.6
630, 2017/06/06 15:21:33, 0.6
631, 2017/06/06 15:21:43, 0.6
632, 2017/06/06 15:21:53, 0.5
633, 2017/06/06 15:22:03, 0.6
634, 2017/06/06 15:22:13, 0.6
635, 2017/06/06 15:22:23, 0.5
636, 2017/06/06 15:22:33, 0.6
637, 2017/06/06 15:22:43, 0.6
638, 2017/06/06 15:22:53, 0.6
639, 2017/06/06 15:23:03, 0.6
640, 2017/06/06 15:23:13, 0.5
641, 2017/06/06 15:23:23, 0.6
642, 2017/06/06 15:23:33, 0.6
643, 2017/06/06 15:23:43, 0.6
644, 2017/06/06 15:23:53, 0.6
645, 2017/06/06 15:24:03, 0.6
646, 2017/06/06 15:24:13, 0.6
647, 2017/06/06 15:24:23, 0.6
648, 2017/06/06 15:24:33, 0.6
649, 2017/06/06 15:24:43, 0.6
650, 2017/06/06 15:24:53, 0.6
651, 2017/06/06 15:25:03, 0.6
652, 2017/06/06 15:25:13, 0.6
653, 2017/06/06 15:25:23, 0.6
654, 2017/06/06 15:25:33, 0.6

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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655, 2017/06/06 15:25:43, 0.6
656, 2017/06/06 15:25:53, 0.6
657, 2017/06/06 15:26:03, 0.6
658, 2017/06/06 15:26:13, 0.6
659, 2017/06/06 15:26:23, 0.6
660, 2017/06/06 15:26:33, 0.6
661, 2017/06/06 15:26:43, 0.6
662, 2017/06/06 15:26:53, 0.6
663, 2017/06/06 15:27:03, 0.6
664, 2017/06/06 15:27:13, 0.6
665, 2017/06/06 15:27:23, 0.6
666, 2017/06/06 15:27:33, 0.5
667, 2017/06/06 15:27:43, 0.5
668, 2017/06/06 15:27:53, 0.6
669, 2017/06/06 15:28:03, 0.6
670, 2017/06/06 15:28:13, 0.6
671, 2017/06/06 15:28:23, 0.6
672, 2017/06/06 15:28:33, 0.6
673, 2017/06/06 15:28:43, 0.6
674, 2017/06/06 15:28:53, 0.6
675, 2017/06/06 15:29:03, 0.6
676, 2017/06/06 15:29:13, 0.6
677, 2017/06/06 15:29:23, 0.5
678, 2017/06/06 15:29:33, 0.6
679, 2017/06/06 15:29:43, 0.6
680, 2017/06/06 15:29:53, 0.6
681, 2017/06/06 15:30:03, 0.6
682, 2017/06/06 15:30:13, 0.6
683, 2017/06/06 15:30:23, 0.6
684, 2017/06/06 15:30:33, 0.6
685, 2017/06/06 15:30:43, 0.5
686, 2017/06/06 15:30:53, 0.6
687, 2017/06/06 15:31:03, 0.6
688, 2017/06/06 15:31:13, 0.6
689, 2017/06/06 15:31:23, 0.6
690, 2017/06/06 15:31:33, 0.6
691, 2017/06/06 15:31:43, 0.5
692, 2017/06/06 15:31:53, 0.6
693, 2017/06/06 15:32:03, 0.6
694, 2017/06/06 15:32:13, 0.6
695, 2017/06/06 15:32:23, 0.6
696, 2017/06/06 15:32:33, 0.6
697, 2017/06/06 15:32:43, 0.6
698, 2017/06/06 15:32:53, 0.6
699, 2017/06/06 15:33:03, 0.6
700, 2017/06/06 15:33:13, 0.6
701, 2017/06/06 15:33:23, 0.6

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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702, 2017/06/06 15:33:33, 0.6
703, 2017/06/06 15:33:43, 0.6
704, 2017/06/06 15:33:53, 0.6
705, 2017/06/06 15:34:03, 0.6
706, 2017/06/06 15:34:13, 0.6
707, 2017/06/06 15:34:23, 0.6
708, 2017/06/06 15:34:33, 0.6
709, 2017/06/06 15:34:43, 0.6
710, 2017/06/06 15:34:53, 0.6
711, 2017/06/06 15:35:03, 0.6
712, 2017/06/06 15:35:13, 0.6
713, 2017/06/06 15:35:23, 0.6
714, 2017/06/06 15:35:33, 0.6
715, 2017/06/06 15:35:43, 0.6
716, 2017/06/06 15:35:53, 0.6
717, 2017/06/06 15:36:03, 0.6
718, 2017/06/06 15:36:13, 0.6
719, 2017/06/06 15:36:23, 0.6
720, 2017/06/06 15:36:33, 0.6
721, 2017/06/06 15:36:43, 0.6
722, 2017/06/06 15:36:53, 0.6
723, 2017/06/06 15:37:03, 0.5
724, 2017/06/06 15:37:13, 0.6
725, 2017/06/06 15:37:23, 0.6
726, 2017/06/06 15:37:33, 0.6
727, 2017/06/06 15:37:43, 0.6
728, 2017/06/06 15:37:53, 0.6
729, 2017/06/06 15:38:03, 0.6
730, 2017/06/06 15:38:13, 0.6
731, 2017/06/06 15:38:23, 0.5
732, 2017/06/06 15:38:33, 0.5
733, 2017/06/06 15:38:43, 0.6
734, 2017/06/06 15:38:53, 0.5
735, 2017/06/06 15:39:03, 0.6
736, 2017/06/06 15:39:13, 0.5
737, 2017/06/06 15:39:23, 0.6
738, 2017/06/06 15:39:33, 0.6
739, 2017/06/06 15:39:43, 0.6
740, 2017/06/06 15:39:53, 0.5
741, 2017/06/06 15:40:03, 0.6
742, 2017/06/06 15:40:13, 0.5
743, 2017/06/06 15:40:23, 0.6
744, 2017/06/06 15:40:33, 0.9
745, 2017/06/06 15:40:43, 0.6
746, 2017/06/06 15:40:53, 0.6
747, 2017/06/06 15:41:03, 0.6
748, 2017/06/06 15:41:13, 0.6

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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749, 2017/06/06 15:41:23, 0.6
750, 2017/06/06 15:41:33, 0.6
751, 2017/06/06 15:41:43, 0.6
752, 2017/06/06 15:41:53, 0.6
753, 2017/06/06 15:42:03, 0.6
754, 2017/06/06 15:42:13, 0.6
755, 2017/06/06 15:42:23, 0.6
756, 2017/06/06 15:42:33, 0.6
757, 2017/06/06 15:42:43, 0.6
758, 2017/06/06 15:42:53, 0.6
759, 2017/06/06 15:43:03, 0.6
760, 2017/06/06 15:43:13, 0.6
761, 2017/06/06 15:43:23, 0.6
762, 2017/06/06 15:43:33, 0.5
763, 2017/06/06 15:43:43, 0.6
764, 2017/06/06 15:43:53, 0.6
765, 2017/06/06 15:44:03, 0.5
766, 2017/06/06 15:44:13, 0.6
767, 2017/06/06 15:44:23, 0.6
768, 2017/06/06 15:44:33, 0.6
769, 2017/06/06 15:44:43, 0.6
770, 2017/06/06 15:44:53, 0.6
771, 2017/06/06 15:45:03, 0.6
772, 2017/06/06 15:45:13, 0.6
773, 2017/06/06 15:45:23, 0.6
774, 2017/06/06 15:45:33, 0.5
775, 2017/06/06 15:45:43, 0.6
776, 2017/06/06 15:45:53, 0.6
777, 2017/06/06 15:46:03, 0.6
778, 2017/06/06 15:46:13, 0.6
779, 2017/06/06 15:46:23, 0.5
780, 2017/06/06 15:46:33, 0.5
781, 2017/06/06 15:46:43, 0.5
782, 2017/06/06 15:46:53, 0.6
783, 2017/06/06 15:47:03, 0.5
784, 2017/06/06 15:47:13, 0.6
785, 2017/06/06 15:47:23, 0.6
786, 2017/06/06 15:47:33, 0.6
787, 2017/06/06 15:47:43, 0.5
788, 2017/06/06 15:47:53, 0.6
789, 2017/06/06 15:48:03, 0.6
790, 2017/06/06 15:48:13, 0.5
791, 2017/06/06 15:48:23, 0.6
792, 2017/06/06 15:48:33, 0.8
793, 2017/06/06 15:48:43, 0.7
794, 2017/06/06 15:48:53, 0.7
795, 2017/06/06 15:49:03, 0.6

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

796, 2017/06/06 15:49:13, 0.6
797, 2017/06/06 15:49:23, 0.6
798, 2017/06/06 15:49:33, 0.6
799, 2017/06/06 15:49:43, 0.6
800, 2017/06/06 15:49:53, 0.6
801, 2017/06/06 15:50:03, 0.5
802, 2017/06/06 15:50:13, 0.6
803, 2017/06/06 15:50:23, 0.6
804, 2017/06/06 15:50:33, 1.0
805, 2017/06/06 15:50:43, 0.8
806, 2017/06/06 15:50:53, 0.7
807, 2017/06/06 15:51:03, 0.7
808, 2017/06/06 15:51:13, 0.7
809, 2017/06/06 15:51:23, 0.7
810, 2017/06/06 15:51:33, 0.7
811, 2017/06/06 15:51:43, 0.7
812, 2017/06/06 15:51:53, 0.6
813, 2017/06/06 15:52:03, 0.6
814, 2017/06/06 15:52:13, 0.6
815, 2017/06/06 15:52:23, 0.6
816, 2017/06/06 15:52:33, 0.6
817, 2017/06/06 15:52:43, 0.6
818, 2017/06/06 15:52:53, 0.6
819, 2017/06/06 15:53:03, 0.6
820, 2017/06/06 15:53:13, 0.6
821, 2017/06/06 15:53:23, 0.6
822, 2017/06/06 15:53:33, 0.6
823, 2017/06/06 15:53:43, 0.6
824, 2017/06/06 15:53:53, 0.6
825, 2017/06/06 15:54:03, 0.6
826, 2017/06/06 15:54:13, 0.6
827, 2017/06/06 15:54:23, 0.6
828, 2017/06/06 15:54:33, 0.6
829, 2017/06/06 15:54:43, 0.6
830, 2017/06/06 15:54:53, 0.6
831, 2017/06/06 15:55:03, 0.5
832, 2017/06/06 15:55:13, 0.6
833, 2017/06/06 15:55:23, 0.5
834, 2017/06/06 15:55:33, 0.6
835, 2017/06/06 15:55:43, 0.6
836, 2017/06/06 15:55:53, 0.6
837, 2017/06/06 15:56:03, 0.6
838, 2017/06/06 15:56:13, 0.6
839, 2017/06/06 15:56:23, 0.6
840, 2017/06/06 15:56:33, 0.6
841, 2017/06/06 15:56:43, 0.5
842, 2017/06/06 15:56:53, 0.6

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

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843, 2017/06/06 15:57:03, 0.6
844, 2017/06/06 15:57:13, 0.6
845, 2017/06/06 15:57:23, 0.6
846, 2017/06/06 15:57:33, 0.6
847, 2017/06/06 15:57:43, 0.6
848, 2017/06/06 15:57:53, 0.6
849, 2017/06/06 15:58:03, 0.6
850, 2017/06/06 15:58:13, 0.6
851, 2017/06/06 15:58:23, 0.6
852, 2017/06/06 15:58:33, 0.6
853, 2017/06/06 15:58:43, 0.6
854, 2017/06/06 15:58:53, 0.6
855, 2017/06/06 15:59:03, 0.6
856, 2017/06/06 15:59:13, 0.6
857, 2017/06/06 15:59:23, 0.6
858, 2017/06/06 15:59:33, 0.6
859, 2017/06/06 15:59:43, 0.6
860, 2017/06/06 15:59:53, 0.6
861, 2017/06/06 16:00:03, 0.6
862, 2017/06/06 16:00:13, 0.6
863, 2017/06/06 16:00:23, 0.6
864, 2017/06/06 16:00:33, 0.6
865, 2017/06/06 16:00:43, 0.6
866, 2017/06/06 16:00:53, 0.6
Peak, , 1.0
Min, , 0.4
Average, , 0.6

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17/06/07 09:30

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-919032
Unit Firmware Ver	V2.14
Running Mode	Hygiene Mode
Datalog Mode	Manual
Diagnostic Mode	No
Stop Reason	Stop by User
Site ID	RAE00000
User ID	USER0000
Begin	6/7/2017 9:30
End	6/7/2017 10:02

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

Sample Period(s)	10
Number of Records	190
Sensor	PID(ppm)
Sensor SN	S023030206U3
Measure Type	Avg
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	6/7/2017 7:04
Peak	N/A
Min	N/A
Average	N/A

Datalog
, , PID(ppm)
Index, Date/Time, (Avg)
001, 2017/06/07 09:31:03, 0.0
002, 2017/06/07 09:31:13, 0.0
003, 2017/06/07 09:31:23, 0.0
004, 2017/06/07 09:31:33, 0.0
005, 2017/06/07 09:31:43, 0.0
006, 2017/06/07 09:31:53, 0.0
007, 2017/06/07 09:32:03, 0.0
008, 2017/06/07 09:32:13, 0.0
009, 2017/06/07 09:32:23, 0.0
010, 2017/06/07 09:32:33, 0.0
011, 2017/06/07 09:32:43, 0.0
012, 2017/06/07 09:32:53, 0.0
013, 2017/06/07 09:33:03, 0.0
014, 2017/06/07 09:33:13, 0.0
015, 2017/06/07 09:33:23, 0.0
016, 2017/06/07 09:33:33, 0.0
017, 2017/06/07 09:33:43, 0.0
018, 2017/06/07 09:33:53, 0.0
019, 2017/06/07 09:34:03, 0.0
020, 2017/06/07 09:34:13, 0.0
021, 2017/06/07 09:34:23, 0.0
022, 2017/06/07 09:34:33, 0.0
023, 2017/06/07 09:34:43, 0.0
024, 2017/06/07 09:34:53, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

025, 2017/06/07 09:35:03, 0.0
026, 2017/06/07 09:35:13, 0.0
027, 2017/06/07 09:35:23, 0.0
028, 2017/06/07 09:35:33, 0.0
029, 2017/06/07 09:35:43, 0.0
030, 2017/06/07 09:35:53, 0.0
031, 2017/06/07 09:36:03, 0.0
032, 2017/06/07 09:36:13, 0.0
033, 2017/06/07 09:36:23, 0.0
034, 2017/06/07 09:36:33, 0.0
035, 2017/06/07 09:36:43, 0.0
036, 2017/06/07 09:36:53, 0.0
037, 2017/06/07 09:37:03, 0.0
038, 2017/06/07 09:37:13, 0.0
039, 2017/06/07 09:37:23, 0.0
040, 2017/06/07 09:37:33, 0.0
041, 2017/06/07 09:37:43, 0.0
042, 2017/06/07 09:37:53, 0.0
043, 2017/06/07 09:38:03, 0.0
044, 2017/06/07 09:38:13, 0.0
045, 2017/06/07 09:38:23, 0.0
046, 2017/06/07 09:38:33, 0.0
047, 2017/06/07 09:38:43, 0.0
048, 2017/06/07 09:38:53, 0.0
049, 2017/06/07 09:39:03, 0.0
050, 2017/06/07 09:39:13, 0.0
051, 2017/06/07 09:39:23, 0.0
052, 2017/06/07 09:39:33, 0.0
053, 2017/06/07 09:39:43, 0.0
054, 2017/06/07 09:39:53, 0.0
055, 2017/06/07 09:40:03, 0.0
056, 2017/06/07 09:40:13, 0.0
057, 2017/06/07 09:40:23, 0.0
058, 2017/06/07 09:40:33, 0.0
059, 2017/06/07 09:40:43, 0.0
060, 2017/06/07 09:40:53, 0.0
061, 2017/06/07 09:41:03, 0.0
062, 2017/06/07 09:41:13, 0.0
063, 2017/06/07 09:41:23, 0.0
064, 2017/06/07 09:41:33, 0.0
065, 2017/06/07 09:41:43, 0.0
066, 2017/06/07 09:41:53, 0.0
067, 2017/06/07 09:42:03, 0.0
068, 2017/06/07 09:42:13, 0.0
069, 2017/06/07 09:42:23, 0.0
070, 2017/06/07 09:42:33, 0.0
071, 2017/06/07 09:42:43, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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072, 2017/06/07 09:42:53, 0.0
073, 2017/06/07 09:43:03, 0.0
074, 2017/06/07 09:43:13, 0.0
075, 2017/06/07 09:43:23, 0.0
076, 2017/06/07 09:43:33, 0.0
077, 2017/06/07 09:43:43, 0.0
078, 2017/06/07 09:43:53, 0.0
079, 2017/06/07 09:44:03, 0.0
080, 2017/06/07 09:44:13, 0.0
081, 2017/06/07 09:44:23, 0.0
082, 2017/06/07 09:44:33, 0.0
083, 2017/06/07 09:44:43, 0.0
084, 2017/06/07 09:44:53, 0.0
085, 2017/06/07 09:45:03, 0.0
086, 2017/06/07 09:45:13, 0.0
087, 2017/06/07 09:45:23, 0.0
088, 2017/06/07 09:45:33, 0.0
089, 2017/06/07 09:45:43, 0.0
090, 2017/06/07 09:45:53, 0.0
091, 2017/06/07 09:46:03, 0.0
092, 2017/06/07 09:46:13, 0.0
093, 2017/06/07 09:46:23, 0.0
094, 2017/06/07 09:46:33, 0.0
095, 2017/06/07 09:46:43, 0.0
096, 2017/06/07 09:46:53, 0.0
097, 2017/06/07 09:47:03, 0.0
098, 2017/06/07 09:47:13, 0.0
099, 2017/06/07 09:47:23, 0.0
100, 2017/06/07 09:47:33, 0.0
101, 2017/06/07 09:47:43, 0.0
102, 2017/06/07 09:47:53, 0.0
103, 2017/06/07 09:48:03, 0.0
104, 2017/06/07 09:48:13, 0.0
105, 2017/06/07 09:48:23, 0.0
106, 2017/06/07 09:48:33, 0.0
107, 2017/06/07 09:48:43, 0.0
108, 2017/06/07 09:48:53, 0.0
109, 2017/06/07 09:49:03, 0.0
110, 2017/06/07 09:49:13, 0.0
111, 2017/06/07 09:49:23, 0.0
112, 2017/06/07 09:49:33, 0.0
113, 2017/06/07 09:49:43, 0.0
114, 2017/06/07 09:49:53, 0.0
115, 2017/06/07 09:50:03, 0.0
116, 2017/06/07 09:50:13, 0.0
117, 2017/06/07 09:50:23, 0.0
118, 2017/06/07 09:50:33, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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119, 2017/06/07 09:50:43, 0.0
120, 2017/06/07 09:50:53, 0.0
121, 2017/06/07 09:51:03, 0.0
122, 2017/06/07 09:51:13, 0.0
123, 2017/06/07 09:51:23, 0.0
124, 2017/06/07 09:51:33, 0.0
125, 2017/06/07 09:51:43, 0.0
126, 2017/06/07 09:51:53, 0.0
127, 2017/06/07 09:52:03, 0.0
128, 2017/06/07 09:52:13, 0.0
129, 2017/06/07 09:52:23, 0.0
130, 2017/06/07 09:52:33, 0.0
131, 2017/06/07 09:52:43, 0.0
132, 2017/06/07 09:52:53, 0.0
133, 2017/06/07 09:53:03, 0.0
134, 2017/06/07 09:53:13, 0.0
135, 2017/06/07 09:53:23, 0.0
136, 2017/06/07 09:53:33, 0.0
137, 2017/06/07 09:53:43, 0.0
138, 2017/06/07 09:53:53, 0.0
139, 2017/06/07 09:54:03, 0.0
140, 2017/06/07 09:54:13, 0.0
141, 2017/06/07 09:54:23, 0.0
142, 2017/06/07 09:54:33, 0.0
143, 2017/06/07 09:54:43, 0.0
144, 2017/06/07 09:54:53, 0.0
145, 2017/06/07 09:55:03, 0.0
146, 2017/06/07 09:55:13, 0.0
147, 2017/06/07 09:55:23, 0.0
148, 2017/06/07 09:55:33, 0.0
149, 2017/06/07 09:55:43, 0.0
150, 2017/06/07 09:55:53, 0.0
151, 2017/06/07 09:56:03, 0.0
152, 2017/06/07 09:56:13, 0.0
153, 2017/06/07 09:56:23, 0.0
154, 2017/06/07 09:56:33, 0.0
155, 2017/06/07 09:56:43, 0.0
156, 2017/06/07 09:56:53, 0.0
157, 2017/06/07 09:57:03, 0.0
158, 2017/06/07 09:57:13, 0.0
159, 2017/06/07 09:57:23, 0.0
160, 2017/06/07 09:57:33, 0.0
161, 2017/06/07 09:57:43, 0.0
162, 2017/06/07 09:57:53, 0.0
163, 2017/06/07 09:58:03, 0.0
164, 2017/06/07 09:58:13, 0.0
165, 2017/06/07 09:58:23, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

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166, 2017/06/07 09:58:33, 0.0
167, 2017/06/07 09:58:43, 0.0
168, 2017/06/07 09:58:53, 0.0
169, 2017/06/07 09:59:03, 0.0
170, 2017/06/07 09:59:13, 0.0
171, 2017/06/07 09:59:23, 0.0
172, 2017/06/07 09:59:33, 0.0
173, 2017/06/07 09:59:43, 0.0
174, 2017/06/07 09:59:53, 0.0
175, 2017/06/07 10:00:03, 0.0
176, 2017/06/07 10:00:13, 0.0
177, 2017/06/07 10:00:23, 0.0
178, 2017/06/07 10:00:33, 0.0
179, 2017/06/07 10:00:43, 0.0
180, 2017/06/07 10:00:53, 0.0
181, 2017/06/07 10:01:03, 0.0
182, 2017/06/07 10:01:13, 0.0
183, 2017/06/07 10:01:23, 0.0
184, 2017/06/07 10:01:33, 0.0
185, 2017/06/07 10:01:43, 0.0
186, 2017/06/07 10:01:53, 0.0
187, 2017/06/07 10:02:03, 0.0
188, 2017/06/07 10:02:13, 0.0
189, 2017/06/07 10:02:23, 0.0
190, 2017/06/07 10:02:33, 0.0
Peak, , 0.0
Min, , 0.0
Average, , 0.0

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17/06/07 13:21

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-919032
Unit Firmware Ver	V2.14

Running Mode	Hygiene Mode
Datalog Mode	Manual
Diagnostic Mode	No
Stop Reason	Stop by User

Site ID	RAE00000
User ID	USER0000

Begin	6/7/2017 13:21

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

End	6/7/2017 14:06
Sample Period(s)	10
Number of Records	270
Sensor	PID(ppm)
Sensor SN	S023030206U3
Measure Type	Avg
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	6/7/2017 7:04
Peak	N/A
Min	N/A
Average	N/A

Datalog
, , PID(ppm)
Index, Date/Time, (Avg)
001, 2017/06/07 13:21:46, 0.0
002, 2017/06/07 13:21:56, 0.0
003, 2017/06/07 13:22:06, 0.0
004, 2017/06/07 13:22:16, 0.0
005, 2017/06/07 13:22:26, 0.0
006, 2017/06/07 13:22:36, 0.0
007, 2017/06/07 13:22:46, 0.0
008, 2017/06/07 13:22:56, 0.0
009, 2017/06/07 13:23:06, 0.0
010, 2017/06/07 13:23:16, 0.0
011, 2017/06/07 13:23:26, 0.0
012, 2017/06/07 13:23:36, 0.0
013, 2017/06/07 13:23:46, 0.0
014, 2017/06/07 13:23:56, 0.0
015, 2017/06/07 13:24:06, 0.0
016, 2017/06/07 13:24:16, 0.0
017, 2017/06/07 13:24:26, 0.0
018, 2017/06/07 13:24:36, 0.0
019, 2017/06/07 13:24:46, 0.0
020, 2017/06/07 13:24:56, 0.0
021, 2017/06/07 13:25:06, 0.0
022, 2017/06/07 13:25:16, 0.0
023, 2017/06/07 13:25:26, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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024, 2017/06/07 13:25:36, 0.0
025, 2017/06/07 13:25:46, 0.0
026, 2017/06/07 13:25:56, 0.0
027, 2017/06/07 13:26:06, 0.0
028, 2017/06/07 13:26:16, 0.0
029, 2017/06/07 13:26:26, 0.0
030, 2017/06/07 13:26:36, 0.0
031, 2017/06/07 13:26:46, 0.0
032, 2017/06/07 13:26:56, 0.0
033, 2017/06/07 13:27:06, 0.0
034, 2017/06/07 13:27:16, 0.0
035, 2017/06/07 13:27:26, 0.0
036, 2017/06/07 13:27:36, 0.0
037, 2017/06/07 13:27:46, 0.0
038, 2017/06/07 13:27:56, 0.0
039, 2017/06/07 13:28:06, 0.0
040, 2017/06/07 13:28:16, 0.0
041, 2017/06/07 13:28:26, 0.0
042, 2017/06/07 13:28:36, 0.0
043, 2017/06/07 13:28:46, 0.0
044, 2017/06/07 13:28:56, 0.0
045, 2017/06/07 13:29:06, 0.0
046, 2017/06/07 13:29:16, 0.0
047, 2017/06/07 13:29:26, 0.0
048, 2017/06/07 13:29:36, 0.0
049, 2017/06/07 13:29:46, 0.0
050, 2017/06/07 13:29:56, 0.0
051, 2017/06/07 13:30:06, 0.0
052, 2017/06/07 13:30:16, 0.0
053, 2017/06/07 13:30:26, 0.0
054, 2017/06/07 13:30:36, 0.0
055, 2017/06/07 13:30:46, 0.0
056, 2017/06/07 13:30:56, 0.0
057, 2017/06/07 13:31:06, 0.0
058, 2017/06/07 13:31:16, 0.0
059, 2017/06/07 13:31:26, 0.0
060, 2017/06/07 13:31:36, 0.0
061, 2017/06/07 13:31:46, 0.0
062, 2017/06/07 13:31:56, 0.0
063, 2017/06/07 13:32:06, 0.0
064, 2017/06/07 13:32:16, 0.0
065, 2017/06/07 13:32:26, 0.0
066, 2017/06/07 13:32:36, 0.0
067, 2017/06/07 13:32:46, 0.0
068, 2017/06/07 13:32:56, 0.0
069, 2017/06/07 13:33:06, 0.0
070, 2017/06/07 13:33:16, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

071, 2017/06/07 13:33:26, 0.0
072, 2017/06/07 13:33:36, 0.0
073, 2017/06/07 13:33:46, 0.0
074, 2017/06/07 13:33:56, 0.0
075, 2017/06/07 13:34:06, 0.0
076, 2017/06/07 13:34:16, 0.0
077, 2017/06/07 13:34:26, 0.0
078, 2017/06/07 13:34:36, 0.0
079, 2017/06/07 13:34:46, 0.0
080, 2017/06/07 13:34:56, 0.0
081, 2017/06/07 13:35:06, 0.0
082, 2017/06/07 13:35:16, 0.0
083, 2017/06/07 13:35:26, 0.0
084, 2017/06/07 13:35:36, 0.0
085, 2017/06/07 13:35:46, 0.0
086, 2017/06/07 13:35:56, 0.0
087, 2017/06/07 13:36:06, 0.0
088, 2017/06/07 13:36:16, 0.0
089, 2017/06/07 13:36:26, 0.0
090, 2017/06/07 13:36:36, 0.0
091, 2017/06/07 13:36:46, 0.0
092, 2017/06/07 13:36:56, 0.0
093, 2017/06/07 13:37:06, 0.0
094, 2017/06/07 13:37:16, 0.0
095, 2017/06/07 13:37:26, 0.0
096, 2017/06/07 13:37:36, 0.0
097, 2017/06/07 13:37:46, 0.0
098, 2017/06/07 13:37:56, 0.0
099, 2017/06/07 13:38:06, 0.0
100, 2017/06/07 13:38:16, 0.0
101, 2017/06/07 13:38:26, 0.0
102, 2017/06/07 13:38:36, 0.0
103, 2017/06/07 13:38:46, 0.0
104, 2017/06/07 13:38:56, 0.0
105, 2017/06/07 13:39:06, 0.0
106, 2017/06/07 13:39:16, 0.0
107, 2017/06/07 13:39:26, 0.0
108, 2017/06/07 13:39:36, 0.0
109, 2017/06/07 13:39:46, 0.0
110, 2017/06/07 13:39:56, 0.0
111, 2017/06/07 13:40:06, 0.0
112, 2017/06/07 13:40:16, 0.0
113, 2017/06/07 13:40:26, 0.0
114, 2017/06/07 13:40:36, 0.0
115, 2017/06/07 13:40:46, 0.0
116, 2017/06/07 13:40:56, 0.0
117, 2017/06/07 13:41:06, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

118, 2017/06/07 13:41:16, 0.0
119, 2017/06/07 13:41:26, 0.0
120, 2017/06/07 13:41:36, 0.0
121, 2017/06/07 13:41:46, 0.0
122, 2017/06/07 13:41:56, 0.0
123, 2017/06/07 13:42:06, 0.0
124, 2017/06/07 13:42:16, 0.0
125, 2017/06/07 13:42:26, 0.0
126, 2017/06/07 13:42:36, 0.0
127, 2017/06/07 13:42:46, 0.0
128, 2017/06/07 13:42:56, 0.0
129, 2017/06/07 13:43:06, 0.0
130, 2017/06/07 13:43:16, 0.0
131, 2017/06/07 13:43:26, 0.0
132, 2017/06/07 13:43:36, 0.0
133, 2017/06/07 13:43:46, 0.0
134, 2017/06/07 13:43:56, 0.0
135, 2017/06/07 13:44:06, 0.0
136, 2017/06/07 13:44:16, 0.0
137, 2017/06/07 13:44:26, 0.0
138, 2017/06/07 13:44:36, 0.0
139, 2017/06/07 13:44:46, 0.0
140, 2017/06/07 13:44:56, 0.0
141, 2017/06/07 13:45:06, 0.0
142, 2017/06/07 13:45:16, 0.0
143, 2017/06/07 13:45:26, 0.0
144, 2017/06/07 13:45:36, 0.0
145, 2017/06/07 13:45:46, 0.0
146, 2017/06/07 13:45:56, 0.0
147, 2017/06/07 13:46:06, 0.0
148, 2017/06/07 13:46:16, 0.0
149, 2017/06/07 13:46:26, 0.0
150, 2017/06/07 13:46:36, 0.0
151, 2017/06/07 13:46:46, 0.0
152, 2017/06/07 13:46:56, 0.0
153, 2017/06/07 13:47:06, 0.0
154, 2017/06/07 13:47:16, 0.0
155, 2017/06/07 13:47:26, 0.0
156, 2017/06/07 13:47:36, 0.0
157, 2017/06/07 13:47:46, 0.0
158, 2017/06/07 13:47:56, 0.0
159, 2017/06/07 13:48:06, 0.0
160, 2017/06/07 13:48:16, 0.0
161, 2017/06/07 13:48:26, 0.0
162, 2017/06/07 13:48:36, 0.0
163, 2017/06/07 13:48:46, 0.0
164, 2017/06/07 13:48:56, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

165, 2017/06/07 13:49:06, 0.0
166, 2017/06/07 13:49:16, 0.0
167, 2017/06/07 13:49:26, 0.0
168, 2017/06/07 13:49:36, 0.0
169, 2017/06/07 13:49:46, 0.0
170, 2017/06/07 13:49:56, 0.0
171, 2017/06/07 13:50:06, 0.0
172, 2017/06/07 13:50:16, 0.0
173, 2017/06/07 13:50:26, 0.0
174, 2017/06/07 13:50:36, 0.0
175, 2017/06/07 13:50:46, 0.0
176, 2017/06/07 13:50:56, 0.0
177, 2017/06/07 13:51:06, 0.0
178, 2017/06/07 13:51:16, 0.0
179, 2017/06/07 13:51:26, 0.0
180, 2017/06/07 13:51:36, 0.0
181, 2017/06/07 13:51:46, 0.0
182, 2017/06/07 13:51:56, 0.0
183, 2017/06/07 13:52:06, 0.0
184, 2017/06/07 13:52:16, 0.0
185, 2017/06/07 13:52:26, 0.0
186, 2017/06/07 13:52:36, 0.0
187, 2017/06/07 13:52:46, 0.0
188, 2017/06/07 13:52:56, 0.0
189, 2017/06/07 13:53:06, 0.0
190, 2017/06/07 13:53:16, 0.0
191, 2017/06/07 13:53:26, 0.0
192, 2017/06/07 13:53:36, 0.0
193, 2017/06/07 13:53:46, 0.0
194, 2017/06/07 13:53:56, 0.0
195, 2017/06/07 13:54:06, 0.0
196, 2017/06/07 13:54:16, 0.0
197, 2017/06/07 13:54:26, 0.0
198, 2017/06/07 13:54:36, 0.0
199, 2017/06/07 13:54:46, 0.0
200, 2017/06/07 13:54:56, 0.0
201, 2017/06/07 13:55:06, 0.0
202, 2017/06/07 13:55:16, 0.0
203, 2017/06/07 13:55:26, 0.0
204, 2017/06/07 13:55:36, 0.0
205, 2017/06/07 13:55:46, 0.0
206, 2017/06/07 13:55:56, 0.0
207, 2017/06/07 13:56:06, 0.0
208, 2017/06/07 13:56:16, 0.0
209, 2017/06/07 13:56:26, 0.0
210, 2017/06/07 13:56:36, 0.0
211, 2017/06/07 13:56:46, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

212, 2017/06/07 13:56:56, 0.0
213, 2017/06/07 13:57:06, 0.0
214, 2017/06/07 13:57:16, 0.0
215, 2017/06/07 13:57:26, 0.0
216, 2017/06/07 13:57:36, 0.0
217, 2017/06/07 13:57:46, 0.0
218, 2017/06/07 13:57:56, 0.0
219, 2017/06/07 13:58:06, 0.0
220, 2017/06/07 13:58:16, 0.0
221, 2017/06/07 13:58:26, 0.0
222, 2017/06/07 13:58:36, 0.0
223, 2017/06/07 13:58:46, 0.0
224, 2017/06/07 13:58:56, 0.0
225, 2017/06/07 13:59:06, 0.0
226, 2017/06/07 13:59:16, 0.0
227, 2017/06/07 13:59:26, 0.0
228, 2017/06/07 13:59:36, 0.0
229, 2017/06/07 13:59:46, 0.0
230, 2017/06/07 13:59:56, 0.0
231, 2017/06/07 14:00:06, 0.0
232, 2017/06/07 14:00:16, 0.0
233, 2017/06/07 14:00:26, 0.0
234, 2017/06/07 14:00:36, 0.0
235, 2017/06/07 14:00:46, 0.0
236, 2017/06/07 14:00:56, 0.0
237, 2017/06/07 14:01:06, 0.0
238, 2017/06/07 14:01:16, 0.0
239, 2017/06/07 14:01:26, 0.0
240, 2017/06/07 14:01:36, 0.0
241, 2017/06/07 14:01:46, 0.0
242, 2017/06/07 14:01:56, 0.0
243, 2017/06/07 14:02:06, 0.0
244, 2017/06/07 14:02:16, 0.0
245, 2017/06/07 14:02:26, 0.0
246, 2017/06/07 14:02:36, 0.0
247, 2017/06/07 14:02:46, 0.0
248, 2017/06/07 14:02:56, 0.0
249, 2017/06/07 14:03:06, 0.0
250, 2017/06/07 14:03:16, 0.0
251, 2017/06/07 14:03:26, 0.0
252, 2017/06/07 14:03:36, 0.0
253, 2017/06/07 14:03:46, 0.0
254, 2017/06/07 14:03:56, 0.0
255, 2017/06/07 14:04:06, 0.0
256, 2017/06/07 14:04:16, 0.0
257, 2017/06/07 14:04:26, 0.0
258, 2017/06/07 14:04:36, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

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259, 2017/06/07 14:04:46, 0.0
260, 2017/06/07 14:04:56, 0.0
261, 2017/06/07 14:05:06, 0.0
262, 2017/06/07 14:05:16, 0.0
263, 2017/06/07 14:05:26, 0.0
264, 2017/06/07 14:05:36, 0.0
265, 2017/06/07 14:05:46, 0.0
266, 2017/06/07 14:05:56, 0.0
267, 2017/06/07 14:06:06, 0.0
268, 2017/06/07 14:06:16, 0.0
269, 2017/06/07 14:06:26, 0.0
270, 2017/06/07 14:06:36, 0.0
Peak, , 0.0
Min, , 0.0
Average, , 0.0

==========

17/06/12 08:38

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-919032
Unit Firmware Ver	V2.14

Running Mode	Hygiene Mode
Datalog Mode	Manual
Diagnostic Mode	No
Stop Reason	Stop by User

Site ID	RAE00000
User ID	USER0000

Begin	6/12/2017 8:38
End	6/12/2017 8:38
Sample Period(s)	10
Number of Records	1

Sensor	PID(ppm)
Sensor SN	S023030206U3
Measure Type	Avg
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	6/12/2017 8:35
Peak	N/A
Min	N/A
Average	N/A

Datalog
, , PID(ppm)
Index, Date/Time, (Avg)
001, 2017/06/12 08:38:19, 0.0
Peak, , 0.0
Min, , 0.0
Average, , 0.0

17/06/12 09:24

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-919032
Unit Firmware Ver	V2.14
Running Mode	Hygiene Mode
Datalog Mode	Manual
Diagnostic Mode	No
Stop Reason	Stop by User
Site ID	RAE00000
User ID	USER0000
Begin	6/12/2017 9:24
End	6/12/2017 9:25
Sample Period(s)	10
Number of Records	3
Sensor	PID(ppm)
Sensor SN	S023030206U3
Measure Type	Avg
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

==========

TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	6/12/2017 8:35
Peak	N/A
Min	N/A
Average	N/A

****

Datalog
, , PID(ppm)
Index, Date/Time, (Avg)
001, 2017/06/12 09:25:05, 0.0
002, 2017/06/12 09:25:15, 0.0
003, 2017/06/12 09:25:25, 0.0
Peak, , 0.0
Min, , 0.0
Average, , 0.0

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17/06/12 09:29

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-919032
Unit Firmware Ver	V2.14

Running Mode	Hygiene Mode
Datalog Mode	Manual
Diagnostic Mode	No
Stop Reason	Stop by User

Site ID	RAE00000
User ID	USER0000

Begin	6/12/2017 9:29
End	6/12/2017 14:28
Sample Period(s)	10
Number of Records	1799

Sensor	PID(ppm)
Sensor SN	S023030206U3
Measure Type	Avg
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

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Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	6/12/2017 8:35
Peak	N/A
Min	N/A
Average	N/A

****

Datalog
, , PID(ppm)
Index, Date/Time, (Avg)
001, 2017/06/12 09:29:16, 0.0
002, 2017/06/12 09:29:26, 0.0
003, 2017/06/12 09:29:36, 0.0
004, 2017/06/12 09:29:46, 0.1
005, 2017/06/12 09:29:56, 0.1
006, 2017/06/12 09:30:06, 0.1
007, 2017/06/12 09:30:16, 0.0
008, 2017/06/12 09:30:26, 0.0
009, 2017/06/12 09:30:36, 0.0
010, 2017/06/12 09:30:46, 0.1
011, 2017/06/12 09:30:56, 0.0
012, 2017/06/12 09:31:06, 0.0
013, 2017/06/12 09:31:16, 0.0
014, 2017/06/12 09:31:26, 0.0
015, 2017/06/12 09:31:36, 0.0
016, 2017/06/12 09:31:46, 0.0
017, 2017/06/12 09:31:56, 0.0
018, 2017/06/12 09:32:06, 0.0
019, 2017/06/12 09:32:16, 0.0
020, 2017/06/12 09:32:26, 0.0
021, 2017/06/12 09:32:36, 0.0
022, 2017/06/12 09:32:46, 0.0
023, 2017/06/12 09:32:56, 0.0
024, 2017/06/12 09:33:06, 0.0
025, 2017/06/12 09:33:16, 0.0
026, 2017/06/12 09:33:26, 0.0
027, 2017/06/12 09:33:36, 0.0
028, 2017/06/12 09:33:46, 0.0
029, 2017/06/12 09:33:56, 0.0
030, 2017/06/12 09:34:06, 0.0
031, 2017/06/12 09:34:16, 0.0
032, 2017/06/12 09:34:26, 0.0
033, 2017/06/12 09:34:36, 0.0
034, 2017/06/12 09:34:46, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

035, 2017/06/12 09:34:56, 0.0
036, 2017/06/12 09:35:06, 0.0
037, 2017/06/12 09:35:16, 0.0
038, 2017/06/12 09:35:26, 0.0
039, 2017/06/12 09:35:36, 0.0
040, 2017/06/12 09:35:46, 0.0
041, 2017/06/12 09:35:56, 0.1
042, 2017/06/12 09:36:06, 0.0
043, 2017/06/12 09:36:16, 0.0
044, 2017/06/12 09:36:26, 0.0
045, 2017/06/12 09:36:36, 0.0
046, 2017/06/12 09:36:46, 0.1
047, 2017/06/12 09:36:56, 0.1
048, 2017/06/12 09:37:06, 0.1
049, 2017/06/12 09:37:16, 0.0
050, 2017/06/12 09:37:26, 0.0
051, 2017/06/12 09:37:36, 0.1
052, 2017/06/12 09:37:46, 0.0
053, 2017/06/12 09:37:56, 0.0
054, 2017/06/12 09:38:06, 0.0
055, 2017/06/12 09:38:16, 0.1
056, 2017/06/12 09:38:26, 0.0
057, 2017/06/12 09:38:36, 0.1
058, 2017/06/12 09:38:46, 0.1
059, 2017/06/12 09:38:56, 0.1
060, 2017/06/12 09:39:06, 0.1
061, 2017/06/12 09:39:16, 0.0
062, 2017/06/12 09:39:26, 0.0
063, 2017/06/12 09:39:36, 0.0
064, 2017/06/12 09:39:46, 0.0
065, 2017/06/12 09:39:56, 0.0
066, 2017/06/12 09:40:06, 0.0
067, 2017/06/12 09:40:16, 0.0
068, 2017/06/12 09:40:26, 0.0
069, 2017/06/12 09:40:36, 0.0
070, 2017/06/12 09:40:46, 0.1
071, 2017/06/12 09:40:56, 0.0
072, 2017/06/12 09:41:06, 0.0
073, 2017/06/12 09:41:16, 0.0
074, 2017/06/12 09:41:26, 0.0
075, 2017/06/12 09:41:36, 0.1
076, 2017/06/12 09:41:46, 0.1
077, 2017/06/12 09:41:56, 0.1
078, 2017/06/12 09:42:06, 0.1
079, 2017/06/12 09:42:16, 0.1
080, 2017/06/12 09:42:26, 0.1
081, 2017/06/12 09:42:36, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

082, 2017/06/12 09:42:46, 0.0
083, 2017/06/12 09:42:56, 0.0
084, 2017/06/12 09:43:06, 0.1
085, 2017/06/12 09:43:16, 0.1
086, 2017/06/12 09:43:26, 0.0
087, 2017/06/12 09:43:36, 0.1
088, 2017/06/12 09:43:46, 0.1
089, 2017/06/12 09:43:56, 0.0
090, 2017/06/12 09:44:06, 0.1
091, 2017/06/12 09:44:16, 0.1
092, 2017/06/12 09:44:26, 0.1
093, 2017/06/12 09:44:36, 0.0
094, 2017/06/12 09:44:46, 0.0
095, 2017/06/12 09:44:56, 0.1
096, 2017/06/12 09:45:06, 0.0
097, 2017/06/12 09:45:16, 0.0
098, 2017/06/12 09:45:26, 0.0
099, 2017/06/12 09:45:36, 0.0
100, 2017/06/12 09:45:46, 0.1
101, 2017/06/12 09:45:56, 0.0
102, 2017/06/12 09:46:06, 0.0
103, 2017/06/12 09:46:16, 0.0
104, 2017/06/12 09:46:26, 0.1
105, 2017/06/12 09:46:36, 0.0
106, 2017/06/12 09:46:46, 0.1
107, 2017/06/12 09:46:56, 0.1
108, 2017/06/12 09:47:06, 0.1
109, 2017/06/12 09:47:16, 0.1
110, 2017/06/12 09:47:26, 0.1
111, 2017/06/12 09:47:36, 0.0
112, 2017/06/12 09:47:46, 0.0
113, 2017/06/12 09:47:56, 0.0
114, 2017/06/12 09:48:06, 0.0
115, 2017/06/12 09:48:16, 0.0
116, 2017/06/12 09:48:26, 0.0
117, 2017/06/12 09:48:36, 0.1
118, 2017/06/12 09:48:46, 0.1
119, 2017/06/12 09:48:56, 0.0
120, 2017/06/12 09:49:06, 0.0
121, 2017/06/12 09:49:16, 0.1
122, 2017/06/12 09:49:26, 0.1
123, 2017/06/12 09:49:36, 0.1
124, 2017/06/12 09:49:46, 0.1
125, 2017/06/12 09:49:56, 0.0
126, 2017/06/12 09:50:06, 0.0
127, 2017/06/12 09:50:16, 0.0
128, 2017/06/12 09:50:26, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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129, 2017/06/12 09:50:36, 0.1
130, 2017/06/12 09:50:46, 0.1
131, 2017/06/12 09:50:56, 0.1
132, 2017/06/12 09:51:06, 0.1
133, 2017/06/12 09:51:16, 0.0
134, 2017/06/12 09:51:26, 0.0
135, 2017/06/12 09:51:36, 0.0
136, 2017/06/12 09:51:46, 0.1
137, 2017/06/12 09:51:56, 0.1
138, 2017/06/12 09:52:06, 0.0
139, 2017/06/12 09:52:16, 0.0
140, 2017/06/12 09:52:26, 0.1
141, 2017/06/12 09:52:36, 0.1
142, 2017/06/12 09:52:46, 0.1
143, 2017/06/12 09:52:56, 0.1
144, 2017/06/12 09:53:06, 0.0
145, 2017/06/12 09:53:16, 0.1
146, 2017/06/12 09:53:26, 0.1
147, 2017/06/12 09:53:36, 0.0
148, 2017/06/12 09:53:46, 0.1
149, 2017/06/12 09:53:56, 0.1
150, 2017/06/12 09:54:06, 0.0
151, 2017/06/12 09:54:16, 0.0
152, 2017/06/12 09:54:26, 0.0
153, 2017/06/12 09:54:36, 0.0
154, 2017/06/12 09:54:46, 0.1
155, 2017/06/12 09:54:56, 0.0
156, 2017/06/12 09:55:06, 0.0
157, 2017/06/12 09:55:16, 0.0
158, 2017/06/12 09:55:26, 0.0
159, 2017/06/12 09:55:36, 0.0
160, 2017/06/12 09:55:46, 0.0
161, 2017/06/12 09:55:56, 0.1
162, 2017/06/12 09:56:06, 0.0
163, 2017/06/12 09:56:16, 0.0
164, 2017/06/12 09:56:26, 0.1
165, 2017/06/12 09:56:36, 0.1
166, 2017/06/12 09:56:46, 0.0
167, 2017/06/12 09:56:56, 0.0
168, 2017/06/12 09:57:06, 0.0
169, 2017/06/12 09:57:16, 0.1
170, 2017/06/12 09:57:26, 0.0
171, 2017/06/12 09:57:36, 0.0
172, 2017/06/12 09:57:46, 0.0
173, 2017/06/12 09:57:56, 0.0
174, 2017/06/12 09:58:06, 0.1
175, 2017/06/12 09:58:16, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

176, 2017/06/12 09:58:26, 0.1
177, 2017/06/12 09:58:36, 0.1
178, 2017/06/12 09:58:46, 0.0
179, 2017/06/12 09:58:56, 0.1
180, 2017/06/12 09:59:06, 0.1
181, 2017/06/12 09:59:16, 0.1
182, 2017/06/12 09:59:26, 0.0
183, 2017/06/12 09:59:36, 0.0
184, 2017/06/12 09:59:46, 0.0
185, 2017/06/12 09:59:56, 0.0
186, 2017/06/12 10:00:06, 0.0
187, 2017/06/12 10:00:16, 0.0
188, 2017/06/12 10:00:26, 0.0
189, 2017/06/12 10:00:36, 0.0
190, 2017/06/12 10:00:46, 0.0
191, 2017/06/12 10:00:56, 0.0
192, 2017/06/12 10:01:06, 0.0
193, 2017/06/12 10:01:16, 0.0
194, 2017/06/12 10:01:26, 0.0
195, 2017/06/12 10:01:36, 0.0
196, 2017/06/12 10:01:46, 0.0
197, 2017/06/12 10:01:56, 0.0
198, 2017/06/12 10:02:06, 0.0
199, 2017/06/12 10:02:16, 0.0
200, 2017/06/12 10:02:26, 0.0
201, 2017/06/12 10:02:36, 0.0
202, 2017/06/12 10:02:46, 0.0
203, 2017/06/12 10:02:56, 0.0
204, 2017/06/12 10:03:06, 0.1
205, 2017/06/12 10:03:16, 0.0
206, 2017/06/12 10:03:26, 0.0
207, 2017/06/12 10:03:36, 0.0
208, 2017/06/12 10:03:46, 0.0
209, 2017/06/12 10:03:56, 0.0
210, 2017/06/12 10:04:06, 0.0
211, 2017/06/12 10:04:16, 0.0
212, 2017/06/12 10:04:26, 0.0
213, 2017/06/12 10:04:36, 0.0
214, 2017/06/12 10:04:46, 0.1
215, 2017/06/12 10:04:56, 0.1
216, 2017/06/12 10:05:06, 0.1
217, 2017/06/12 10:05:16, 0.1
218, 2017/06/12 10:05:26, 0.1
219, 2017/06/12 10:05:36, 0.1
220, 2017/06/12 10:05:46, 0.1
221, 2017/06/12 10:05:56, 0.1
222, 2017/06/12 10:06:06, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

223, 2017/06/12 10:06:16, 0.1
224, 2017/06/12 10:06:26, 0.1
225, 2017/06/12 10:06:36, 0.0
226, 2017/06/12 10:06:46, 0.1
227, 2017/06/12 10:06:56, 0.1
228, 2017/06/12 10:07:06, 0.1
229, 2017/06/12 10:07:16, 0.0
230, 2017/06/12 10:07:26, 0.1
231, 2017/06/12 10:07:36, 0.1
232, 2017/06/12 10:07:46, 0.1
233, 2017/06/12 10:07:56, 0.1
234, 2017/06/12 10:08:06, 0.1
235, 2017/06/12 10:08:16, 0.1
236, 2017/06/12 10:08:26, 0.1
237, 2017/06/12 10:08:36, 0.0
238, 2017/06/12 10:08:46, 0.1
239, 2017/06/12 10:08:56, 0.1
240, 2017/06/12 10:09:06, 0.1
241, 2017/06/12 10:09:16, 0.1
242, 2017/06/12 10:09:26, 0.1
243, 2017/06/12 10:09:36, 0.1
244, 2017/06/12 10:09:46, 0.1
245, 2017/06/12 10:09:56, 0.1
246, 2017/06/12 10:10:06, 0.1
247, 2017/06/12 10:10:16, 0.0
248, 2017/06/12 10:10:26, 0.1
249, 2017/06/12 10:10:36, 0.1
250, 2017/06/12 10:10:46, 0.1
251, 2017/06/12 10:10:56, 0.1
252, 2017/06/12 10:11:06, 0.1
253, 2017/06/12 10:11:16, 0.1
254, 2017/06/12 10:11:26, 0.1
255, 2017/06/12 10:11:36, 0.0
256, 2017/06/12 10:11:46, 0.1
257, 2017/06/12 10:11:56, 0.1
258, 2017/06/12 10:12:06, 0.1
259, 2017/06/12 10:12:16, 0.1
260, 2017/06/12 10:12:26, 0.1
261, 2017/06/12 10:12:36, 0.1
262, 2017/06/12 10:12:46, 0.0
263, 2017/06/12 10:12:56, 0.1
264, 2017/06/12 10:13:06, 0.1
265, 2017/06/12 10:13:16, 0.1
266, 2017/06/12 10:13:26, 0.1
267, 2017/06/12 10:13:36, 0.0
268, 2017/06/12 10:13:46, 0.1
269, 2017/06/12 10:13:56, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

270, 2017/06/12 10:14:06, 0.1
271, 2017/06/12 10:14:16, 0.1
272, 2017/06/12 10:14:26, 0.1
273, 2017/06/12 10:14:36, 0.0
274, 2017/06/12 10:14:46, 0.1
275, 2017/06/12 10:14:56, 0.0
276, 2017/06/12 10:15:06, 0.1
277, 2017/06/12 10:15:16, 0.1
278, 2017/06/12 10:15:26, 0.1
279, 2017/06/12 10:15:36, 0.1
280, 2017/06/12 10:15:46, 0.1
281, 2017/06/12 10:15:56, 0.0
282, 2017/06/12 10:16:06, 0.0
283, 2017/06/12 10:16:16, 0.0
284, 2017/06/12 10:16:26, 0.1
285, 2017/06/12 10:16:36, 0.1
286, 2017/06/12 10:16:46, 0.0
287, 2017/06/12 10:16:56, 0.1
288, 2017/06/12 10:17:06, 0.0
289, 2017/06/12 10:17:16, 0.1
290, 2017/06/12 10:17:26, 0.0
291, 2017/06/12 10:17:36, 0.1
292, 2017/06/12 10:17:46, 0.1
293, 2017/06/12 10:17:56, 0.1
294, 2017/06/12 10:18:06, 0.1
295, 2017/06/12 10:18:16, 0.0
296, 2017/06/12 10:18:26, 0.0
297, 2017/06/12 10:18:36, 0.1
298, 2017/06/12 10:18:46, 0.1
299, 2017/06/12 10:18:56, 0.1
300, 2017/06/12 10:19:06, 0.0
301, 2017/06/12 10:19:16, 0.1
302, 2017/06/12 10:19:26, 0.0
303, 2017/06/12 10:19:36, 0.1
304, 2017/06/12 10:19:46, 0.1
305, 2017/06/12 10:19:56, 0.1
306, 2017/06/12 10:20:06, 0.1
307, 2017/06/12 10:20:16, 0.1
308, 2017/06/12 10:20:26, 0.1
309, 2017/06/12 10:20:36, 0.1
310, 2017/06/12 10:20:46, 0.0
311, 2017/06/12 10:20:56, 0.1
312, 2017/06/12 10:21:06, 0.1
313, 2017/06/12 10:21:16, 0.1
314, 2017/06/12 10:21:26, 0.1
315, 2017/06/12 10:21:36, 0.1
316, 2017/06/12 10:21:46, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

317, 2017/06/12 10:21:56, 0.1
318, 2017/06/12 10:22:06, 0.1
319, 2017/06/12 10:22:16, 0.1
320, 2017/06/12 10:22:26, 0.1
321, 2017/06/12 10:22:36, 0.1
322, 2017/06/12 10:22:46, 0.1
323, 2017/06/12 10:22:56, 0.1
324, 2017/06/12 10:23:06, 0.1
325, 2017/06/12 10:23:16, 0.1
326, 2017/06/12 10:23:26, 0.1
327, 2017/06/12 10:23:36, 0.1
328, 2017/06/12 10:23:46, 0.1
329, 2017/06/12 10:23:56, 0.1
330, 2017/06/12 10:24:06, 0.1
331, 2017/06/12 10:24:16, 0.1
332, 2017/06/12 10:24:26, 0.1
333, 2017/06/12 10:24:36, 0.1
334, 2017/06/12 10:24:46, 0.1
335, 2017/06/12 10:24:56, 0.1
336, 2017/06/12 10:25:06, 0.0
337, 2017/06/12 10:25:16, 0.1
338, 2017/06/12 10:25:26, 0.1
339, 2017/06/12 10:25:36, 0.1
340, 2017/06/12 10:25:46, 0.1
341, 2017/06/12 10:25:56, 0.1
342, 2017/06/12 10:26:06, 0.1
343, 2017/06/12 10:26:16, 0.1
344, 2017/06/12 10:26:26, 0.1
345, 2017/06/12 10:26:36, 0.1
346, 2017/06/12 10:26:46, 0.1
347, 2017/06/12 10:26:56, 0.1
348, 2017/06/12 10:27:06, 0.1
349, 2017/06/12 10:27:16, 0.1
350, 2017/06/12 10:27:26, 0.1
351, 2017/06/12 10:27:36, 0.1
352, 2017/06/12 10:27:46, 0.1
353, 2017/06/12 10:27:56, 0.1
354, 2017/06/12 10:28:06, 0.1
355, 2017/06/12 10:28:16, 0.0
356, 2017/06/12 10:28:26, 0.1
357, 2017/06/12 10:28:36, 0.0
358, 2017/06/12 10:28:46, 0.1
359, 2017/06/12 10:28:56, 0.1
360, 2017/06/12 10:29:06, 0.1
361, 2017/06/12 10:29:16, 0.1
362, 2017/06/12 10:29:26, 0.1
363, 2017/06/12 10:29:36, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

364, 2017/06/12 10:29:46, 0.0
365, 2017/06/12 10:29:56, 0.1
366, 2017/06/12 10:30:06, 0.1
367, 2017/06/12 10:30:16, 0.1
368, 2017/06/12 10:30:26, 0.1
369, 2017/06/12 10:30:36, 0.1
370, 2017/06/12 10:30:46, 0.1
371, 2017/06/12 10:30:56, 0.1
372, 2017/06/12 10:31:06, 0.1
373, 2017/06/12 10:31:16, 0.1
374, 2017/06/12 10:31:26, 0.1
375, 2017/06/12 10:31:36, 0.1
376, 2017/06/12 10:31:46, 0.1
377, 2017/06/12 10:31:56, 0.1
378, 2017/06/12 10:32:06, 0.1
379, 2017/06/12 10:32:16, 0.1
380, 2017/06/12 10:32:26, 0.1
381, 2017/06/12 10:32:36, 0.1
382, 2017/06/12 10:32:46, 0.1
383, 2017/06/12 10:32:56, 0.1
384, 2017/06/12 10:33:06, 0.1
385, 2017/06/12 10:33:16, 0.1
386, 2017/06/12 10:33:26, 0.1
387, 2017/06/12 10:33:36, 0.1
388, 2017/06/12 10:33:46, 0.1
389, 2017/06/12 10:33:56, 0.1
390, 2017/06/12 10:34:06, 0.1
391, 2017/06/12 10:34:16, 0.0
392, 2017/06/12 10:34:26, 0.0
393, 2017/06/12 10:34:36, 0.1
394, 2017/06/12 10:34:46, 0.1
395, 2017/06/12 10:34:56, 0.1
396, 2017/06/12 10:35:06, 0.1
397, 2017/06/12 10:35:16, 0.1
398, 2017/06/12 10:35:26, 0.1
399, 2017/06/12 10:35:36, 0.0
400, 2017/06/12 10:35:46, 0.1
401, 2017/06/12 10:35:56, 0.1
402, 2017/06/12 10:36:06, 0.1
403, 2017/06/12 10:36:16, 0.1
404, 2017/06/12 10:36:26, 0.1
405, 2017/06/12 10:36:36, 0.1
406, 2017/06/12 10:36:46, 0.1
407, 2017/06/12 10:36:56, 0.1
408, 2017/06/12 10:37:06, 0.1
409, 2017/06/12 10:37:16, 0.1
410, 2017/06/12 10:37:26, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

411, 2017/06/12 10:37:36, 0.1
412, 2017/06/12 10:37:46, 0.1
413, 2017/06/12 10:37:56, 0.1
414, 2017/06/12 10:38:06, 0.1
415, 2017/06/12 10:38:16, 0.1
416, 2017/06/12 10:38:26, 0.1
417, 2017/06/12 10:38:36, 0.1
418, 2017/06/12 10:38:46, 0.1
419, 2017/06/12 10:38:56, 0.1
420, 2017/06/12 10:39:06, 0.1
421, 2017/06/12 10:39:16, 0.1
422, 2017/06/12 10:39:26, 0.1
423, 2017/06/12 10:39:36, 0.1
424, 2017/06/12 10:39:46, 0.1
425, 2017/06/12 10:39:56, 0.0
426, 2017/06/12 10:40:06, 0.1
427, 2017/06/12 10:40:16, 0.1
428, 2017/06/12 10:40:26, 0.1
429, 2017/06/12 10:40:36, 0.1
430, 2017/06/12 10:40:46, 0.1
431, 2017/06/12 10:40:56, 0.1
432, 2017/06/12 10:41:06, 0.1
433, 2017/06/12 10:41:16, 0.1
434, 2017/06/12 10:41:26, 0.1
435, 2017/06/12 10:41:36, 0.1
436, 2017/06/12 10:41:46, 0.1
437, 2017/06/12 10:41:56, 0.1
438, 2017/06/12 10:42:06, 0.1
439, 2017/06/12 10:42:16, 0.1
440, 2017/06/12 10:42:26, 0.1
441, 2017/06/12 10:42:36, 0.1
442, 2017/06/12 10:42:46, 0.1
443, 2017/06/12 10:42:56, 0.1
444, 2017/06/12 10:43:06, 0.1
445, 2017/06/12 10:43:16, 0.1
446, 2017/06/12 10:43:26, 0.1
447, 2017/06/12 10:43:36, 0.1
448, 2017/06/12 10:43:46, 0.1
449, 2017/06/12 10:43:56, 0.1
450, 2017/06/12 10:44:06, 0.1
451, 2017/06/12 10:44:16, 0.1
452, 2017/06/12 10:44:26, 0.1
453, 2017/06/12 10:44:36, 0.1
454, 2017/06/12 10:44:46, 0.1
455, 2017/06/12 10:44:56, 0.1
456, 2017/06/12 10:45:06, 0.1
457, 2017/06/12 10:45:16, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

458, 2017/06/12 10:45:26, 0.1
459, 2017/06/12 10:45:36, 0.1
460, 2017/06/12 10:45:46, 0.1
461, 2017/06/12 10:45:56, 0.1
462, 2017/06/12 10:46:06, 0.1
463, 2017/06/12 10:46:16, 0.1
464, 2017/06/12 10:46:26, 0.1
465, 2017/06/12 10:46:36, 0.1
466, 2017/06/12 10:46:46, 0.1
467, 2017/06/12 10:46:56, 0.1
468, 2017/06/12 10:47:06, 0.1
469, 2017/06/12 10:47:16, 0.1
470, 2017/06/12 10:47:26, 0.1
471, 2017/06/12 10:47:36, 0.1
472, 2017/06/12 10:47:46, 0.1
473, 2017/06/12 10:47:56, 0.1
474, 2017/06/12 10:48:06, 0.0
475, 2017/06/12 10:48:16, 0.1
476, 2017/06/12 10:48:26, 0.1
477, 2017/06/12 10:48:36, 0.1
478, 2017/06/12 10:48:46, 0.1
479, 2017/06/12 10:48:56, 0.1
480, 2017/06/12 10:49:06, 0.1
481, 2017/06/12 10:49:16, 0.1
482, 2017/06/12 10:49:26, 0.1
483, 2017/06/12 10:49:36, 0.1
484, 2017/06/12 10:49:46, 0.1
485, 2017/06/12 10:49:56, 0.1
486, 2017/06/12 10:50:06, 0.1
487, 2017/06/12 10:50:16, 0.1
488, 2017/06/12 10:50:26, 0.1
489, 2017/06/12 10:50:36, 0.1
490, 2017/06/12 10:50:46, 0.1
491, 2017/06/12 10:50:56, 0.1
492, 2017/06/12 10:51:06, 0.1
493, 2017/06/12 10:51:16, 0.1
494, 2017/06/12 10:51:26, 0.1
495, 2017/06/12 10:51:36, 0.1
496, 2017/06/12 10:51:46, 0.1
497, 2017/06/12 10:51:56, 0.1
498, 2017/06/12 10:52:06, 0.1
499, 2017/06/12 10:52:16, 0.1
500, 2017/06/12 10:52:26, 0.1
501, 2017/06/12 10:52:36, 0.1
502, 2017/06/12 10:52:46, 0.1
503, 2017/06/12 10:52:56, 0.1
504, 2017/06/12 10:53:06, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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505, 2017/06/12 10:53:16, 0.1
506, 2017/06/12 10:53:26, 0.1
507, 2017/06/12 10:53:36, 0.1
508, 2017/06/12 10:53:46, 0.1
509, 2017/06/12 10:53:56, 0.1
510, 2017/06/12 10:54:06, 0.1
511, 2017/06/12 10:54:16, 0.1
512, 2017/06/12 10:54:26, 0.1
513, 2017/06/12 10:54:36, 0.1
514, 2017/06/12 10:54:46, 0.1
515, 2017/06/12 10:54:56, 0.1
516, 2017/06/12 10:55:06, 0.1
517, 2017/06/12 10:55:16, 0.1
518, 2017/06/12 10:55:26, 0.1
519, 2017/06/12 10:55:36, 0.1
520, 2017/06/12 10:55:46, 0.1
521, 2017/06/12 10:55:56, 0.1
522, 2017/06/12 10:56:06, 0.1
523, 2017/06/12 10:56:16, 0.1
524, 2017/06/12 10:56:26, 0.1
525, 2017/06/12 10:56:36, 0.1
526, 2017/06/12 10:56:46, 0.1
527, 2017/06/12 10:56:56, 0.1
528, 2017/06/12 10:57:06, 0.1
529, 2017/06/12 10:57:16, 0.1
530, 2017/06/12 10:57:26, 0.1
531, 2017/06/12 10:57:36, 0.1
532, 2017/06/12 10:57:46, 0.1
533, 2017/06/12 10:57:56, 0.1
534, 2017/06/12 10:58:06, 0.1
535, 2017/06/12 10:58:16, 0.1
536, 2017/06/12 10:58:26, 0.1
537, 2017/06/12 10:58:36, 0.1
538, 2017/06/12 10:58:46, 0.1
539, 2017/06/12 10:58:56, 0.1
540, 2017/06/12 10:59:06, 0.1
541, 2017/06/12 10:59:16, 0.1
542, 2017/06/12 10:59:26, 0.1
543, 2017/06/12 10:59:36, 0.1
544, 2017/06/12 10:59:46, 0.1
545, 2017/06/12 10:59:56, 0.1
546, 2017/06/12 11:00:06, 0.1
547, 2017/06/12 11:00:16, 0.1
548, 2017/06/12 11:00:26, 0.1
549, 2017/06/12 11:00:36, 0.1
550, 2017/06/12 11:00:46, 0.1
551, 2017/06/12 11:00:56, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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552, 2017/06/12 11:01:06, 0.1
553, 2017/06/12 11:01:16, 0.1
554, 2017/06/12 11:01:26, 0.1
555, 2017/06/12 11:01:36, 0.1
556, 2017/06/12 11:01:46, 0.1
557, 2017/06/12 11:01:56, 0.1
558, 2017/06/12 11:02:06, 0.1
559, 2017/06/12 11:02:16, 0.1
560, 2017/06/12 11:02:26, 0.1
561, 2017/06/12 11:02:36, 0.1
562, 2017/06/12 11:02:46, 0.1
563, 2017/06/12 11:02:56, 0.1
564, 2017/06/12 11:03:06, 0.1
565, 2017/06/12 11:03:16, 0.1
566, 2017/06/12 11:03:26, 0.1
567, 2017/06/12 11:03:36, 0.1
568, 2017/06/12 11:03:46, 0.1
569, 2017/06/12 11:03:56, 0.1
570, 2017/06/12 11:04:06, 0.1
571, 2017/06/12 11:04:16, 0.1
572, 2017/06/12 11:04:26, 0.1
573, 2017/06/12 11:04:36, 0.1
574, 2017/06/12 11:04:46, 0.1
575, 2017/06/12 11:04:56, 0.1
576, 2017/06/12 11:05:06, 0.1
577, 2017/06/12 11:05:16, 0.1
578, 2017/06/12 11:05:26, 0.1
579, 2017/06/12 11:05:36, 0.1
580, 2017/06/12 11:05:46, 0.1
581, 2017/06/12 11:05:56, 0.1
582, 2017/06/12 11:06:06, 0.1
583, 2017/06/12 11:06:16, 0.1
584, 2017/06/12 11:06:26, 0.1
585, 2017/06/12 11:06:36, 0.1
586, 2017/06/12 11:06:46, 0.1
587, 2017/06/12 11:06:56, 0.1
588, 2017/06/12 11:07:06, 0.1
589, 2017/06/12 11:07:16, 0.1
590, 2017/06/12 11:07:26, 0.1
591, 2017/06/12 11:07:36, 0.1
592, 2017/06/12 11:07:46, 0.1
593, 2017/06/12 11:07:56, 0.1
594, 2017/06/12 11:08:06, 0.1
595, 2017/06/12 11:08:16, 0.1
596, 2017/06/12 11:08:26, 0.1
597, 2017/06/12 11:08:36, 0.1
598, 2017/06/12 11:08:46, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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599, 2017/06/12 11:08:56, 0.1
600, 2017/06/12 11:09:06, 0.1
601, 2017/06/12 11:09:16, 0.1
602, 2017/06/12 11:09:26, 0.1
603, 2017/06/12 11:09:36, 0.1
604, 2017/06/12 11:09:46, 0.1
605, 2017/06/12 11:09:56, 0.1
606, 2017/06/12 11:10:06, 0.1
607, 2017/06/12 11:10:16, 0.1
608, 2017/06/12 11:10:26, 0.1
609, 2017/06/12 11:10:36, 0.1
610, 2017/06/12 11:10:46, 0.1
611, 2017/06/12 11:10:56, 0.1
612, 2017/06/12 11:11:06, 0.1
613, 2017/06/12 11:11:16, 0.1
614, 2017/06/12 11:11:26, 0.1
615, 2017/06/12 11:11:36, 0.1
616, 2017/06/12 11:11:46, 0.1
617, 2017/06/12 11:11:56, 0.1
618, 2017/06/12 11:12:06, 0.1
619, 2017/06/12 11:12:16, 0.1
620, 2017/06/12 11:12:26, 0.1
621, 2017/06/12 11:12:36, 0.1
622, 2017/06/12 11:12:46, 0.1
623, 2017/06/12 11:12:56, 0.1
624, 2017/06/12 11:13:06, 0.1
625, 2017/06/12 11:13:16, 0.1
626, 2017/06/12 11:13:26, 0.1
627, 2017/06/12 11:13:36, 0.1
628, 2017/06/12 11:13:46, 0.1
629, 2017/06/12 11:13:56, 0.1
630, 2017/06/12 11:14:06, 0.1
631, 2017/06/12 11:14:16, 0.1
632, 2017/06/12 11:14:26, 0.1
633, 2017/06/12 11:14:36, 0.1
634, 2017/06/12 11:14:46, 0.1
635, 2017/06/12 11:14:56, 0.1
636, 2017/06/12 11:15:06, 0.1
637, 2017/06/12 11:15:16, 0.1
638, 2017/06/12 11:15:26, 0.1
639, 2017/06/12 11:15:36, 0.1
640, 2017/06/12 11:15:46, 0.1
641, 2017/06/12 11:15:56, 0.1
642, 2017/06/12 11:16:06, 0.1
643, 2017/06/12 11:16:16, 0.1
644, 2017/06/12 11:16:26, 0.1
645, 2017/06/12 11:16:36, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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646, 2017/06/12 11:16:46, 0.1
647, 2017/06/12 11:16:56, 0.1
648, 2017/06/12 11:17:06, 0.1
649, 2017/06/12 11:17:16, 0.1
650, 2017/06/12 11:17:26, 0.1
651, 2017/06/12 11:17:36, 0.1
652, 2017/06/12 11:17:46, 0.1
653, 2017/06/12 11:17:56, 0.1
654, 2017/06/12 11:18:06, 0.1
655, 2017/06/12 11:18:16, 0.1
656, 2017/06/12 11:18:26, 0.1
657, 2017/06/12 11:18:36, 0.1
658, 2017/06/12 11:18:46, 0.1
659, 2017/06/12 11:18:56, 0.1
660, 2017/06/12 11:19:06, 0.1
661, 2017/06/12 11:19:16, 0.1
662, 2017/06/12 11:19:26, 0.1
663, 2017/06/12 11:19:36, 0.1
664, 2017/06/12 11:19:46, 0.1
665, 2017/06/12 11:19:56, 0.1
666, 2017/06/12 11:20:06, 0.1
667, 2017/06/12 11:20:16, 0.1
668, 2017/06/12 11:20:26, 0.1
669, 2017/06/12 11:20:36, 0.1
670, 2017/06/12 11:20:46, 0.1
671, 2017/06/12 11:20:56, 0.1
672, 2017/06/12 11:21:06, 0.1
673, 2017/06/12 11:21:16, 0.1
674, 2017/06/12 11:21:26, 0.1
675, 2017/06/12 11:21:36, 0.1
676, 2017/06/12 11:21:46, 0.1
677, 2017/06/12 11:21:56, 0.1
678, 2017/06/12 11:22:06, 0.1
679, 2017/06/12 11:22:16, 0.1
680, 2017/06/12 11:22:26, 0.1
681, 2017/06/12 11:22:36, 0.1
682, 2017/06/12 11:22:46, 0.1
683, 2017/06/12 11:22:56, 0.1
684, 2017/06/12 11:23:06, 0.1
685, 2017/06/12 11:23:16, 0.1
686, 2017/06/12 11:23:26, 0.1
687, 2017/06/12 11:23:36, 0.1
688, 2017/06/12 11:23:46, 0.1
689, 2017/06/12 11:23:56, 0.1
690, 2017/06/12 11:24:06, 0.1
691, 2017/06/12 11:24:16, 0.1
692, 2017/06/12 11:24:26, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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693, 2017/06/12 11:24:36, 0.1
694, 2017/06/12 11:24:46, 0.1
695, 2017/06/12 11:24:56, 0.1
696, 2017/06/12 11:25:06, 0.1
697, 2017/06/12 11:25:16, 0.1
698, 2017/06/12 11:25:26, 0.1
699, 2017/06/12 11:25:36, 0.1
700, 2017/06/12 11:25:46, 0.1
701, 2017/06/12 11:25:56, 0.1
702, 2017/06/12 11:26:06, 0.1
703, 2017/06/12 11:26:16, 0.1
704, 2017/06/12 11:26:26, 0.1
705, 2017/06/12 11:26:36, 0.1
706, 2017/06/12 11:26:46, 0.1
707, 2017/06/12 11:26:56, 0.1
708, 2017/06/12 11:27:06, 0.1
709, 2017/06/12 11:27:16, 0.1
710, 2017/06/12 11:27:26, 0.1
711, 2017/06/12 11:27:36, 0.1
712, 2017/06/12 11:27:46, 0.1
713, 2017/06/12 11:27:56, 0.1
714, 2017/06/12 11:28:06, 0.1
715, 2017/06/12 11:28:16, 0.1
716, 2017/06/12 11:28:26, 0.1
717, 2017/06/12 11:28:36, 0.1
718, 2017/06/12 11:28:46, 0.1
719, 2017/06/12 11:28:56, 0.1
720, 2017/06/12 11:29:06, 0.1
721, 2017/06/12 11:29:16, 0.1
722, 2017/06/12 11:29:26, 0.1
723, 2017/06/12 11:29:36, 0.1
724, 2017/06/12 11:29:46, 0.1
725, 2017/06/12 11:29:56, 0.1
726, 2017/06/12 11:30:06, 0.1
727, 2017/06/12 11:30:16, 0.1
728, 2017/06/12 11:30:26, 0.1
729, 2017/06/12 11:30:36, 0.1
730, 2017/06/12 11:30:46, 0.1
731, 2017/06/12 11:30:56, 0.1
732, 2017/06/12 11:31:06, 0.1
733, 2017/06/12 11:31:16, 0.1
734, 2017/06/12 11:31:26, 0.1
735, 2017/06/12 11:31:36, 0.1
736, 2017/06/12 11:31:46, 0.1
737, 2017/06/12 11:31:56, 0.1
738, 2017/06/12 11:32:06, 0.1
739, 2017/06/12 11:32:16, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

740, 2017/06/12 11:32:26, 0.1
741, 2017/06/12 11:32:36, 0.1
742, 2017/06/12 11:32:46, 0.1
743, 2017/06/12 11:32:56, 0.1
744, 2017/06/12 11:33:06, 0.1
745, 2017/06/12 11:33:16, 0.1
746, 2017/06/12 11:33:26, 0.1
747, 2017/06/12 11:33:36, 0.1
748, 2017/06/12 11:33:46, 0.1
749, 2017/06/12 11:33:56, 0.1
750, 2017/06/12 11:34:06, 0.1
751, 2017/06/12 11:34:16, 0.1
752, 2017/06/12 11:34:26, 0.1
753, 2017/06/12 11:34:36, 0.1
754, 2017/06/12 11:34:46, 0.1
755, 2017/06/12 11:34:56, 0.1
756, 2017/06/12 11:35:06, 0.1
757, 2017/06/12 11:35:16, 0.1
758, 2017/06/12 11:35:26, 0.1
759, 2017/06/12 11:35:36, 0.1
760, 2017/06/12 11:35:46, 0.1
761, 2017/06/12 11:35:56, 0.1
762, 2017/06/12 11:36:06, 0.1
763, 2017/06/12 11:36:16, 0.1
764, 2017/06/12 11:36:26, 0.1
765, 2017/06/12 11:36:36, 0.1
766, 2017/06/12 11:36:46, 0.1
767, 2017/06/12 11:36:56, 0.1
768, 2017/06/12 11:37:06, 0.1
769, 2017/06/12 11:37:16, 0.1
770, 2017/06/12 11:37:26, 0.1
771, 2017/06/12 11:37:36, 0.1
772, 2017/06/12 11:37:46, 0.1
773, 2017/06/12 11:37:56, 0.1
774, 2017/06/12 11:38:06, 0.1
775, 2017/06/12 11:38:16, 0.1
776, 2017/06/12 11:38:26, 0.1
777, 2017/06/12 11:38:36, 0.1
778, 2017/06/12 11:38:46, 0.1
779, 2017/06/12 11:38:56, 0.1
780, 2017/06/12 11:39:06, 0.1
781, 2017/06/12 11:39:16, 0.1
782, 2017/06/12 11:39:26, 0.1
783, 2017/06/12 11:39:36, 0.1
784, 2017/06/12 11:39:46, 0.1
785, 2017/06/12 11:39:56, 0.1
786, 2017/06/12 11:40:06, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

787, 2017/06/12 11:40:16, 0.1
788, 2017/06/12 11:40:26, 0.1
789, 2017/06/12 11:40:36, 0.1
790, 2017/06/12 11:40:46, 0.1
791, 2017/06/12 11:40:56, 0.1
792, 2017/06/12 11:41:06, 0.1
793, 2017/06/12 11:41:16, 0.1
794, 2017/06/12 11:41:26, 0.1
795, 2017/06/12 11:41:36, 0.1
796, 2017/06/12 11:41:46, 0.1
797, 2017/06/12 11:41:56, 0.1
798, 2017/06/12 11:42:06, 0.1
799, 2017/06/12 11:42:16, 0.1
800, 2017/06/12 11:42:26, 0.1
801, 2017/06/12 11:42:36, 0.1
802, 2017/06/12 11:42:46, 0.1
803, 2017/06/12 11:42:56, 0.1
804, 2017/06/12 11:43:06, 0.1
805, 2017/06/12 11:43:16, 0.1
806, 2017/06/12 11:43:26, 0.1
807, 2017/06/12 11:43:36, 0.1
808, 2017/06/12 11:43:46, 0.1
809, 2017/06/12 11:43:56, 0.1
810, 2017/06/12 11:44:06, 0.1
811, 2017/06/12 11:44:16, 0.1
812, 2017/06/12 11:44:26, 0.1
813, 2017/06/12 11:44:36, 0.1
814, 2017/06/12 11:44:46, 0.1
815, 2017/06/12 11:44:56, 0.1
816, 2017/06/12 11:45:06, 0.1
817, 2017/06/12 11:45:16, 0.1
818, 2017/06/12 11:45:26, 0.1
819, 2017/06/12 11:45:36, 0.1
820, 2017/06/12 11:45:46, 0.1
821, 2017/06/12 11:45:56, 0.1
822, 2017/06/12 11:46:06, 0.1
823, 2017/06/12 11:46:16, 0.1
824, 2017/06/12 11:46:26, 0.1
825, 2017/06/12 11:46:36, 0.1
826, 2017/06/12 11:46:46, 0.1
827, 2017/06/12 11:46:56, 0.1
828, 2017/06/12 11:47:06, 0.1
829, 2017/06/12 11:47:16, 0.1
830, 2017/06/12 11:47:26, 0.1
831, 2017/06/12 11:47:36, 0.1
832, 2017/06/12 11:47:46, 0.1
833, 2017/06/12 11:47:56, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

834, 2017/06/12 11:48:06, 0.1
835, 2017/06/12 11:48:16, 0.1
836, 2017/06/12 11:48:26, 0.1
837, 2017/06/12 11:48:36, 0.1
838, 2017/06/12 11:48:46, 0.1
839, 2017/06/12 11:48:56, 0.1
840, 2017/06/12 11:49:06, 0.1
841, 2017/06/12 11:49:16, 0.1
842, 2017/06/12 11:49:26, 0.1
843, 2017/06/12 11:49:36, 0.1
844, 2017/06/12 11:49:46, 0.1
845, 2017/06/12 11:49:56, 0.1
846, 2017/06/12 11:50:06, 0.1
847, 2017/06/12 11:50:16, 0.1
848, 2017/06/12 11:50:26, 0.1
849, 2017/06/12 11:50:36, 0.1
850, 2017/06/12 11:50:46, 0.1
851, 2017/06/12 11:50:56, 0.1
852, 2017/06/12 11:51:06, 0.1
853, 2017/06/12 11:51:16, 0.1
854, 2017/06/12 11:51:26, 0.1
855, 2017/06/12 11:51:36, 0.1
856, 2017/06/12 11:51:46, 0.1
857, 2017/06/12 11:51:56, 0.1
858, 2017/06/12 11:52:06, 0.1
859, 2017/06/12 11:52:16, 0.1
860, 2017/06/12 11:52:26, 0.1
861, 2017/06/12 11:52:36, 0.1
862, 2017/06/12 11:52:46, 0.1
863, 2017/06/12 11:52:56, 0.1
864, 2017/06/12 11:53:06, 0.1
865, 2017/06/12 11:53:16, 0.1
866, 2017/06/12 11:53:26, 0.1
867, 2017/06/12 11:53:36, 0.1
868, 2017/06/12 11:53:46, 0.1
869, 2017/06/12 11:53:56, 0.1
870, 2017/06/12 11:54:06, 0.1
871, 2017/06/12 11:54:16, 0.1
872, 2017/06/12 11:54:26, 0.1
873, 2017/06/12 11:54:36, 0.1
874, 2017/06/12 11:54:46, 0.1
875, 2017/06/12 11:54:56, 0.1
876, 2017/06/12 11:55:06, 0.1
877, 2017/06/12 11:55:16, 0.1
878, 2017/06/12 11:55:26, 0.1
879, 2017/06/12 11:55:36, 0.1
880, 2017/06/12 11:55:46, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

881, 2017/06/12 11:55:56, 0.1
882, 2017/06/12 11:56:06, 0.1
883, 2017/06/12 11:56:16, 0.1
884, 2017/06/12 11:56:26, 0.1
885, 2017/06/12 11:56:36, 0.1
886, 2017/06/12 11:56:46, 0.1
887, 2017/06/12 11:56:56, 0.1
888, 2017/06/12 11:57:06, 0.1
889, 2017/06/12 11:57:16, 0.1
890, 2017/06/12 11:57:26, 0.1
891, 2017/06/12 11:57:36, 0.1
892, 2017/06/12 11:57:46, 0.1
893, 2017/06/12 11:57:56, 0.1
894, 2017/06/12 11:58:06, 0.1
895, 2017/06/12 11:58:16, 0.1
896, 2017/06/12 11:58:26, 0.1
897, 2017/06/12 11:58:36, 0.1
898, 2017/06/12 11:58:46, 0.1
899, 2017/06/12 11:58:56, 0.1
900, 2017/06/12 11:59:06, 0.1
901, 2017/06/12 11:59:16, 0.1
902, 2017/06/12 11:59:26, 0.1
903, 2017/06/12 11:59:36, 0.1
904, 2017/06/12 11:59:46, 0.1
905, 2017/06/12 11:59:56, 0.1
906, 2017/06/12 12:00:06, 0.1
907, 2017/06/12 12:00:16, 0.1
908, 2017/06/12 12:00:26, 0.1
909, 2017/06/12 12:00:36, 0.1
910, 2017/06/12 12:00:46, 0.1
911, 2017/06/12 12:00:56, 0.1
912, 2017/06/12 12:01:06, 0.1
913, 2017/06/12 12:01:16, 0.1
914, 2017/06/12 12:01:26, 0.1
915, 2017/06/12 12:01:36, 0.1
916, 2017/06/12 12:01:46, 0.1
917, 2017/06/12 12:01:56, 0.1
918, 2017/06/12 12:02:06, 0.1
919, 2017/06/12 12:02:16, 0.1
920, 2017/06/12 12:02:26, 0.1
921, 2017/06/12 12:02:36, 0.1
922, 2017/06/12 12:02:46, 0.1
923, 2017/06/12 12:02:56, 0.1
924, 2017/06/12 12:03:06, 0.1
925, 2017/06/12 12:03:16, 0.1
926, 2017/06/12 12:03:26, 0.1
927, 2017/06/12 12:03:36, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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928, 2017/06/12 12:03:46, 0.1
929, 2017/06/12 12:03:56, 0.1
930, 2017/06/12 12:04:06, 0.1
931, 2017/06/12 12:04:16, 0.1
932, 2017/06/12 12:04:26, 0.1
933, 2017/06/12 12:04:36, 0.1
934, 2017/06/12 12:04:46, 0.1
935, 2017/06/12 12:04:56, 0.1
936, 2017/06/12 12:05:06, 0.1
937, 2017/06/12 12:05:16, 0.1
938, 2017/06/12 12:05:26, 0.1
939, 2017/06/12 12:05:36, 0.1
940, 2017/06/12 12:05:46, 0.1
941, 2017/06/12 12:05:56, 0.1
942, 2017/06/12 12:06:06, 0.1
943, 2017/06/12 12:06:16, 0.1
944, 2017/06/12 12:06:26, 0.1
945, 2017/06/12 12:06:36, 0.1
946, 2017/06/12 12:06:46, 0.1
947, 2017/06/12 12:06:56, 0.1
948, 2017/06/12 12:07:06, 0.1
949, 2017/06/12 12:07:16, 0.1
950, 2017/06/12 12:07:26, 0.1
951, 2017/06/12 12:07:36, 0.1
952, 2017/06/12 12:07:46, 0.1
953, 2017/06/12 12:07:56, 0.1
954, 2017/06/12 12:08:06, 0.1
955, 2017/06/12 12:08:16, 0.1
956, 2017/06/12 12:08:26, 0.1
957, 2017/06/12 12:08:36, 0.1
958, 2017/06/12 12:08:46, 0.1
959, 2017/06/12 12:08:56, 0.1
960, 2017/06/12 12:09:06, 0.1
961, 2017/06/12 12:09:16, 0.1
962, 2017/06/12 12:09:26, 0.1
963, 2017/06/12 12:09:36, 0.1
964, 2017/06/12 12:09:46, 0.1
965, 2017/06/12 12:09:56, 0.1
966, 2017/06/12 12:10:06, 0.1
967, 2017/06/12 12:10:16, 0.1
968, 2017/06/12 12:10:26, 0.1
969, 2017/06/12 12:10:36, 0.1
970, 2017/06/12 12:10:46, 0.1
971, 2017/06/12 12:10:56, 0.1
972, 2017/06/12 12:11:06, 0.1
973, 2017/06/12 12:11:16, 0.1
974, 2017/06/12 12:11:26, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

975, 2017/06/12 12:11:36, 0.1
976, 2017/06/12 12:11:46, 0.1
977, 2017/06/12 12:11:56, 0.1
978, 2017/06/12 12:12:06, 0.1
979, 2017/06/12 12:12:16, 0.1
980, 2017/06/12 12:12:26, 0.1
981, 2017/06/12 12:12:36, 0.1
982, 2017/06/12 12:12:46, 0.1
983, 2017/06/12 12:12:56, 0.1
984, 2017/06/12 12:13:06, 0.1
985, 2017/06/12 12:13:16, 0.1
986, 2017/06/12 12:13:26, 0.1
987, 2017/06/12 12:13:36, 0.1
988, 2017/06/12 12:13:46, 0.1
989, 2017/06/12 12:13:56, 0.1
990, 2017/06/12 12:14:06, 0.1
991, 2017/06/12 12:14:16, 0.1
992, 2017/06/12 12:14:26, 0.1
993, 2017/06/12 12:14:36, 0.1
994, 2017/06/12 12:14:46, 0.1
995, 2017/06/12 12:14:56, 0.1
996, 2017/06/12 12:15:06, 0.1
997, 2017/06/12 12:15:16, 0.1
998, 2017/06/12 12:15:26, 0.1
999, 2017/06/12 12:15:36, 0.1
1000, 2017/06/12 12:15:46, 0.1
1001, 2017/06/12 12:15:56, 0.1
1002, 2017/06/12 12:16:06, 0.1
1003, 2017/06/12 12:16:16, 0.1
1004, 2017/06/12 12:16:26, 0.1
1005, 2017/06/12 12:16:36, 0.1
1006, 2017/06/12 12:16:46, 0.1
1007, 2017/06/12 12:16:56, 0.1
1008, 2017/06/12 12:17:06, 0.1
1009, 2017/06/12 12:17:16, 0.1
1010, 2017/06/12 12:17:26, 0.1
1011, 2017/06/12 12:17:36, 0.1
1012, 2017/06/12 12:17:46, 0.1
1013, 2017/06/12 12:17:56, 0.1
1014, 2017/06/12 12:18:06, 0.1
1015, 2017/06/12 12:18:16, 0.1
1016, 2017/06/12 12:18:26, 0.1
1017, 2017/06/12 12:18:36, 0.1
1018, 2017/06/12 12:18:46, 0.1
1019, 2017/06/12 12:18:56, 0.1
1020, 2017/06/12 12:19:06, 0.1
1021, 2017/06/12 12:19:16, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

1022, 2017/06/12 12:19:26, 0.1
1023, 2017/06/12 12:19:36, 0.1
1024, 2017/06/12 12:19:46, 0.1
1025, 2017/06/12 12:19:56, 0.1
1026, 2017/06/12 12:20:06, 0.1
1027, 2017/06/12 12:20:16, 0.1
1028, 2017/06/12 12:20:26, 0.1
1029, 2017/06/12 12:20:36, 0.1
1030, 2017/06/12 12:20:46, 0.1
1031, 2017/06/12 12:20:56, 0.1
1032, 2017/06/12 12:21:06, 0.1
1033, 2017/06/12 12:21:16, 0.1
1034, 2017/06/12 12:21:26, 0.1
1035, 2017/06/12 12:21:36, 0.1
1036, 2017/06/12 12:21:46, 0.1
1037, 2017/06/12 12:21:56, 0.1
1038, 2017/06/12 12:22:06, 0.1
1039, 2017/06/12 12:22:16, 0.1
1040, 2017/06/12 12:22:26, 0.1
1041, 2017/06/12 12:22:36, 0.1
1042, 2017/06/12 12:22:46, 0.1
1043, 2017/06/12 12:22:56, 0.1
1044, 2017/06/12 12:23:06, 0.1
1045, 2017/06/12 12:23:16, 0.1
1046, 2017/06/12 12:23:26, 0.1
1047, 2017/06/12 12:23:36, 0.1
1048, 2017/06/12 12:23:46, 0.1
1049, 2017/06/12 12:23:56, 0.1
1050, 2017/06/12 12:24:06, 0.1
1051, 2017/06/12 12:24:16, 0.1
1052, 2017/06/12 12:24:26, 0.1
1053, 2017/06/12 12:24:36, 0.1
1054, 2017/06/12 12:24:46, 0.1
1055, 2017/06/12 12:24:56, 0.1
1056, 2017/06/12 12:25:06, 0.1
1057, 2017/06/12 12:25:16, 0.1
1058, 2017/06/12 12:25:26, 0.1
1059, 2017/06/12 12:25:36, 0.1
1060, 2017/06/12 12:25:46, 0.1
1061, 2017/06/12 12:25:56, 0.1
1062, 2017/06/12 12:26:06, 0.1
1063, 2017/06/12 12:26:16, 0.1
1064, 2017/06/12 12:26:26, 0.1
1065, 2017/06/12 12:26:36, 0.1
1066, 2017/06/12 12:26:46, 0.1
1067, 2017/06/12 12:26:56, 0.1
1068, 2017/06/12 12:27:06, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

1069, 2017/06/12 12:27:16, 0.1
1070, 2017/06/12 12:27:26, 0.1
1071, 2017/06/12 12:27:36, 0.1
1072, 2017/06/12 12:27:46, 0.1
1073, 2017/06/12 12:27:56, 0.1
1074, 2017/06/12 12:28:06, 0.1
1075, 2017/06/12 12:28:16, 0.1
1076, 2017/06/12 12:28:26, 0.1
1077, 2017/06/12 12:28:36, 0.1
1078, 2017/06/12 12:28:46, 0.1
1079, 2017/06/12 12:28:56, 0.1
1080, 2017/06/12 12:29:06, 0.1
1081, 2017/06/12 12:29:16, 0.1
1082, 2017/06/12 12:29:26, 0.1
1083, 2017/06/12 12:29:36, 0.1
1084, 2017/06/12 12:29:46, 0.1
1085, 2017/06/12 12:29:56, 0.1
1086, 2017/06/12 12:30:06, 0.1
1087, 2017/06/12 12:30:16, 0.1
1088, 2017/06/12 12:30:26, 0.1
1089, 2017/06/12 12:30:36, 0.1
1090, 2017/06/12 12:30:46, 0.1
1091, 2017/06/12 12:30:56, 0.1
1092, 2017/06/12 12:31:06, 0.1
1093, 2017/06/12 12:31:16, 0.1
1094, 2017/06/12 12:31:26, 0.1
1095, 2017/06/12 12:31:36, 0.1
1096, 2017/06/12 12:31:46, 0.1
1097, 2017/06/12 12:31:56, 0.1
1098, 2017/06/12 12:32:06, 0.1
1099, 2017/06/12 12:32:16, 0.1
1100, 2017/06/12 12:32:26, 0.1
1101, 2017/06/12 12:32:36, 0.1
1102, 2017/06/12 12:32:46, 0.1
1103, 2017/06/12 12:32:56, 0.1
1104, 2017/06/12 12:33:06, 0.1
1105, 2017/06/12 12:33:16, 0.1
1106, 2017/06/12 12:33:26, 0.1
1107, 2017/06/12 12:33:36, 0.1
1108, 2017/06/12 12:33:46, 0.1
1109, 2017/06/12 12:33:56, 0.1
1110, 2017/06/12 12:34:06, 0.1
1111, 2017/06/12 12:34:16, 0.1
1112, 2017/06/12 12:34:26, 0.1
1113, 2017/06/12 12:34:36, 0.1
1114, 2017/06/12 12:34:46, 0.1
1115, 2017/06/12 12:34:56, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

1116, 2017/06/12 12:35:06, 0.1
1117, 2017/06/12 12:35:16, 0.1
1118, 2017/06/12 12:35:26, 0.1
1119, 2017/06/12 12:35:36, 0.1
1120, 2017/06/12 12:35:46, 0.1
1121, 2017/06/12 12:35:56, 0.1
1122, 2017/06/12 12:36:06, 0.1
1123, 2017/06/12 12:36:16, 0.1
1124, 2017/06/12 12:36:26, 0.1
1125, 2017/06/12 12:36:36, 0.1
1126, 2017/06/12 12:36:46, 0.1
1127, 2017/06/12 12:36:56, 0.1
1128, 2017/06/12 12:37:06, 0.1
1129, 2017/06/12 12:37:16, 0.1
1130, 2017/06/12 12:37:26, 0.1
1131, 2017/06/12 12:37:36, 0.1
1132, 2017/06/12 12:37:46, 0.1
1133, 2017/06/12 12:37:56, 0.1
1134, 2017/06/12 12:38:06, 0.1
1135, 2017/06/12 12:38:16, 0.1
1136, 2017/06/12 12:38:26, 0.1
1137, 2017/06/12 12:38:36, 0.1
1138, 2017/06/12 12:38:46, 0.1
1139, 2017/06/12 12:38:56, 0.1
1140, 2017/06/12 12:39:06, 0.1
1141, 2017/06/12 12:39:16, 0.1
1142, 2017/06/12 12:39:26, 0.1
1143, 2017/06/12 12:39:36, 0.1
1144, 2017/06/12 12:39:46, 0.1
1145, 2017/06/12 12:39:56, 0.1
1146, 2017/06/12 12:40:06, 0.1
1147, 2017/06/12 12:40:16, 0.1
1148, 2017/06/12 12:40:26, 0.1
1149, 2017/06/12 12:40:36, 0.1
1150, 2017/06/12 12:40:46, 0.1
1151, 2017/06/12 12:40:56, 0.1
1152, 2017/06/12 12:41:06, 0.1
1153, 2017/06/12 12:41:16, 0.1
1154, 2017/06/12 12:41:26, 0.1
1155, 2017/06/12 12:41:36, 0.1
1156, 2017/06/12 12:41:46, 0.1
1157, 2017/06/12 12:41:56, 0.1
1158, 2017/06/12 12:42:06, 0.1
1159, 2017/06/12 12:42:16, 0.1
1160, 2017/06/12 12:42:26, 0.1
1161, 2017/06/12 12:42:36, 0.1
1162, 2017/06/12 12:42:46, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

1163, 2017/06/12 12:42:56, 0.1
1164, 2017/06/12 12:43:06, 0.1
1165, 2017/06/12 12:43:16, 0.1
1166, 2017/06/12 12:43:26, 0.1
1167, 2017/06/12 12:43:36, 0.1
1168, 2017/06/12 12:43:46, 0.1
1169, 2017/06/12 12:43:56, 0.1
1170, 2017/06/12 12:44:06, 0.1
1171, 2017/06/12 12:44:16, 0.1
1172, 2017/06/12 12:44:26, 0.1
1173, 2017/06/12 12:44:36, 0.1
1174, 2017/06/12 12:44:46, 0.1
1175, 2017/06/12 12:44:56, 0.1
1176, 2017/06/12 12:45:06, 0.1
1177, 2017/06/12 12:45:16, 0.1
1178, 2017/06/12 12:45:26, 0.1
1179, 2017/06/12 12:45:36, 0.1
1180, 2017/06/12 12:45:46, 0.1
1181, 2017/06/12 12:45:56, 0.1
1182, 2017/06/12 12:46:06, 0.1
1183, 2017/06/12 12:46:16, 0.1
1184, 2017/06/12 12:46:26, 0.1
1185, 2017/06/12 12:46:36, 0.1
1186, 2017/06/12 12:46:46, 0.1
1187, 2017/06/12 12:46:56, 0.1
1188, 2017/06/12 12:47:06, 0.1
1189, 2017/06/12 12:47:16, 0.1
1190, 2017/06/12 12:47:26, 0.1
1191, 2017/06/12 12:47:36, 0.1
1192, 2017/06/12 12:47:46, 0.1
1193, 2017/06/12 12:47:56, 0.1
1194, 2017/06/12 12:48:06, 0.1
1195, 2017/06/12 12:48:16, 0.1
1196, 2017/06/12 12:48:26, 0.1
1197, 2017/06/12 12:48:36, 0.1
1198, 2017/06/12 12:48:46, 0.1
1199, 2017/06/12 12:48:56, 0.1
1200, 2017/06/12 12:49:06, 0.1
1201, 2017/06/12 12:49:16, 0.1
1202, 2017/06/12 12:49:26, 0.1
1203, 2017/06/12 12:49:36, 0.1
1204, 2017/06/12 12:49:46, 0.1
1205, 2017/06/12 12:49:56, 0.1
1206, 2017/06/12 12:50:06, 0.1
1207, 2017/06/12 12:50:16, 0.1
1208, 2017/06/12 12:50:26, 0.1
1209, 2017/06/12 12:50:36, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

1210, 2017/06/12 12:50:46, 0.1
1211, 2017/06/12 12:50:56, 0.1
1212, 2017/06/12 12:51:06, 0.1
1213, 2017/06/12 12:51:16, 0.1
1214, 2017/06/12 12:51:26, 0.1
1215, 2017/06/12 12:51:36, 0.1
1216, 2017/06/12 12:51:46, 0.1
1217, 2017/06/12 12:51:56, 0.1
1218, 2017/06/12 12:52:06, 0.1
1219, 2017/06/12 12:52:16, 0.1
1220, 2017/06/12 12:52:26, 0.1
1221, 2017/06/12 12:52:36, 0.1
1222, 2017/06/12 12:52:46, 0.1
1223, 2017/06/12 12:52:56, 0.1
1224, 2017/06/12 12:53:06, 0.1
1225, 2017/06/12 12:53:16, 0.1
1226, 2017/06/12 12:53:26, 0.1
1227, 2017/06/12 12:53:36, 0.1
1228, 2017/06/12 12:53:46, 0.1
1229, 2017/06/12 12:53:56, 0.1
1230, 2017/06/12 12:54:06, 0.1
1231, 2017/06/12 12:54:16, 0.1
1232, 2017/06/12 12:54:26, 0.1
1233, 2017/06/12 12:54:36, 0.1
1234, 2017/06/12 12:54:46, 0.1
1235, 2017/06/12 12:54:56, 0.1
1236, 2017/06/12 12:55:06, 0.1
1237, 2017/06/12 12:55:16, 0.1
1238, 2017/06/12 12:55:26, 0.1
1239, 2017/06/12 12:55:36, 0.1
1240, 2017/06/12 12:55:46, 0.1
1241, 2017/06/12 12:55:56, 0.1
1242, 2017/06/12 12:56:06, 0.1
1243, 2017/06/12 12:56:16, 0.1
1244, 2017/06/12 12:56:26, 0.1
1245, 2017/06/12 12:56:36, 0.1
1246, 2017/06/12 12:56:46, 0.1
1247, 2017/06/12 12:56:56, 0.1
1248, 2017/06/12 12:57:06, 0.1
1249, 2017/06/12 12:57:16, 0.1
1250, 2017/06/12 12:57:26, 0.1
1251, 2017/06/12 12:57:36, 0.1
1252, 2017/06/12 12:57:46, 0.1
1253, 2017/06/12 12:57:56, 0.1
1254, 2017/06/12 12:58:06, 0.1
1255, 2017/06/12 12:58:16, 0.1
1256, 2017/06/12 12:58:26, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

1257, 2017/06/12 12:58:36, 0.1
1258, 2017/06/12 12:58:46, 0.1
1259, 2017/06/12 12:58:56, 0.1
1260, 2017/06/12 12:59:06, 0.1
1261, 2017/06/12 12:59:16, 0.1
1262, 2017/06/12 12:59:26, 0.1
1263, 2017/06/12 12:59:36, 0.1
1264, 2017/06/12 12:59:46, 0.1
1265, 2017/06/12 12:59:56, 0.1
1266, 2017/06/12 13:00:06, 0.1
1267, 2017/06/12 13:00:16, 0.1
1268, 2017/06/12 13:00:26, 0.1
1269, 2017/06/12 13:00:36, 0.1
1270, 2017/06/12 13:00:46, 0.1
1271, 2017/06/12 13:00:56, 0.1
1272, 2017/06/12 13:01:06, 0.1
1273, 2017/06/12 13:01:16, 0.1
1274, 2017/06/12 13:01:26, 0.1
1275, 2017/06/12 13:01:36, 0.1
1276, 2017/06/12 13:01:46, 0.1
1277, 2017/06/12 13:01:56, 0.1
1278, 2017/06/12 13:02:06, 0.1
1279, 2017/06/12 13:02:16, 0.1
1280, 2017/06/12 13:02:26, 0.1
1281, 2017/06/12 13:02:36, 0.1
1282, 2017/06/12 13:02:46, 0.1
1283, 2017/06/12 13:02:56, 0.1
1284, 2017/06/12 13:03:06, 0.1
1285, 2017/06/12 13:03:16, 0.1
1286, 2017/06/12 13:03:26, 0.1
1287, 2017/06/12 13:03:36, 0.1
1288, 2017/06/12 13:03:46, 0.1
1289, 2017/06/12 13:03:56, 0.1
1290, 2017/06/12 13:04:06, 0.1
1291, 2017/06/12 13:04:16, 0.1
1292, 2017/06/12 13:04:26, 0.1
1293, 2017/06/12 13:04:36, 0.1
1294, 2017/06/12 13:04:46, 0.1
1295, 2017/06/12 13:04:56, 0.1
1296, 2017/06/12 13:05:06, 0.1
1297, 2017/06/12 13:05:16, 0.1
1298, 2017/06/12 13:05:26, 0.1
1299, 2017/06/12 13:05:36, 0.1
1300, 2017/06/12 13:05:46, 0.1
1301, 2017/06/12 13:05:56, 0.1
1302, 2017/06/12 13:06:06, 0.1
1303, 2017/06/12 13:06:16, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

1304, 2017/06/12 13:06:26, 0.1
1305, 2017/06/12 13:06:36, 0.1
1306, 2017/06/12 13:06:46, 0.1
1307, 2017/06/12 13:06:56, 0.1
1308, 2017/06/12 13:07:06, 0.1
1309, 2017/06/12 13:07:16, 0.1
1310, 2017/06/12 13:07:26, 0.1
1311, 2017/06/12 13:07:36, 0.1
1312, 2017/06/12 13:07:46, 0.1
1313, 2017/06/12 13:07:56, 0.1
1314, 2017/06/12 13:08:06, 0.1
1315, 2017/06/12 13:08:16, 0.1
1316, 2017/06/12 13:08:26, 0.1
1317, 2017/06/12 13:08:36, 0.1
1318, 2017/06/12 13:08:46, 0.1
1319, 2017/06/12 13:08:56, 0.1
1320, 2017/06/12 13:09:06, 0.1
1321, 2017/06/12 13:09:16, 0.1
1322, 2017/06/12 13:09:26, 0.1
1323, 2017/06/12 13:09:36, 0.1
1324, 2017/06/12 13:09:46, 0.1
1325, 2017/06/12 13:09:56, 0.1
1326, 2017/06/12 13:10:06, 0.1
1327, 2017/06/12 13:10:16, 0.1
1328, 2017/06/12 13:10:26, 0.1
1329, 2017/06/12 13:10:36, 0.1
1330, 2017/06/12 13:10:46, 0.1
1331, 2017/06/12 13:10:56, 0.1
1332, 2017/06/12 13:11:06, 0.1
1333, 2017/06/12 13:11:16, 0.1
1334, 2017/06/12 13:11:26, 0.1
1335, 2017/06/12 13:11:36, 0.1
1336, 2017/06/12 13:11:46, 0.1
1337, 2017/06/12 13:11:56, 0.1
1338, 2017/06/12 13:12:06, 0.1
1339, 2017/06/12 13:12:16, 0.1
1340, 2017/06/12 13:12:26, 0.1
1341, 2017/06/12 13:12:36, 0.1
1342, 2017/06/12 13:12:46, 0.1
1343, 2017/06/12 13:12:56, 0.1
1344, 2017/06/12 13:13:06, 0.1
1345, 2017/06/12 13:13:16, 0.1
1346, 2017/06/12 13:13:26, 0.1
1347, 2017/06/12 13:13:36, 0.1
1348, 2017/06/12 13:13:46, 0.1
1349, 2017/06/12 13:13:56, 0.1
1350, 2017/06/12 13:14:06, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

1351, 2017/06/12 13:14:16, 0.1
1352, 2017/06/12 13:14:26, 0.1
1353, 2017/06/12 13:14:36, 0.1
1354, 2017/06/12 13:14:46, 0.1
1355, 2017/06/12 13:14:56, 0.1
1356, 2017/06/12 13:15:06, 0.1
1357, 2017/06/12 13:15:16, 0.1
1358, 2017/06/12 13:15:26, 0.1
1359, 2017/06/12 13:15:36, 0.1
1360, 2017/06/12 13:15:46, 0.1
1361, 2017/06/12 13:15:56, 0.1
1362, 2017/06/12 13:16:06, 0.1
1363, 2017/06/12 13:16:16, 0.1
1364, 2017/06/12 13:16:26, 0.1
1365, 2017/06/12 13:16:36, 0.1
1366, 2017/06/12 13:16:46, 0.1
1367, 2017/06/12 13:16:56, 0.1
1368, 2017/06/12 13:17:06, 0.1
1369, 2017/06/12 13:17:16, 0.1
1370, 2017/06/12 13:17:26, 0.1
1371, 2017/06/12 13:17:36, 0.1
1372, 2017/06/12 13:17:46, 0.1
1373, 2017/06/12 13:17:56, 0.1
1374, 2017/06/12 13:18:06, 0.1
1375, 2017/06/12 13:18:16, 0.1
1376, 2017/06/12 13:18:26, 0.1
1377, 2017/06/12 13:18:36, 0.1
1378, 2017/06/12 13:18:46, 0.1
1379, 2017/06/12 13:18:56, 0.1
1380, 2017/06/12 13:19:06, 0.1
1381, 2017/06/12 13:19:16, 0.1
1382, 2017/06/12 13:19:26, 0.1
1383, 2017/06/12 13:19:36, 0.1
1384, 2017/06/12 13:19:46, 0.1
1385, 2017/06/12 13:19:56, 0.1
1386, 2017/06/12 13:20:06, 0.1
1387, 2017/06/12 13:20:16, 0.1
1388, 2017/06/12 13:20:26, 0.1
1389, 2017/06/12 13:20:36, 0.1
1390, 2017/06/12 13:20:46, 0.1
1391, 2017/06/12 13:20:56, 0.1
1392, 2017/06/12 13:21:06, 0.1
1393, 2017/06/12 13:21:16, 0.1
1394, 2017/06/12 13:21:26, 0.1
1395, 2017/06/12 13:21:36, 0.1
1396, 2017/06/12 13:21:46, 0.1
1397, 2017/06/12 13:21:56, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

1398, 2017/06/12 13:22:06, 0.1
1399, 2017/06/12 13:22:16, 0.1
1400, 2017/06/12 13:22:26, 0.1
1401, 2017/06/12 13:22:36, 0.1
1402, 2017/06/12 13:22:46, 0.1
1403, 2017/06/12 13:22:56, 0.1
1404, 2017/06/12 13:23:06, 0.1
1405, 2017/06/12 13:23:16, 0.1
1406, 2017/06/12 13:23:26, 0.1
1407, 2017/06/12 13:23:36, 0.1
1408, 2017/06/12 13:23:46, 0.1
1409, 2017/06/12 13:23:56, 0.1
1410, 2017/06/12 13:24:06, 0.1
1411, 2017/06/12 13:24:16, 0.1
1412, 2017/06/12 13:24:26, 0.1
1413, 2017/06/12 13:24:36, 0.1
1414, 2017/06/12 13:24:46, 0.1
1415, 2017/06/12 13:24:56, 0.1
1416, 2017/06/12 13:25:06, 0.1
1417, 2017/06/12 13:25:16, 0.1
1418, 2017/06/12 13:25:26, 0.1
1419, 2017/06/12 13:25:36, 0.1
1420, 2017/06/12 13:25:46, 0.1
1421, 2017/06/12 13:25:56, 0.1
1422, 2017/06/12 13:26:06, 0.1
1423, 2017/06/12 13:26:16, 0.1
1424, 2017/06/12 13:26:26, 0.1
1425, 2017/06/12 13:26:36, 0.1
1426, 2017/06/12 13:26:46, 0.1
1427, 2017/06/12 13:26:56, 0.1
1428, 2017/06/12 13:27:06, 0.1
1429, 2017/06/12 13:27:16, 0.1
1430, 2017/06/12 13:27:26, 0.1
1431, 2017/06/12 13:27:36, 0.1
1432, 2017/06/12 13:27:46, 0.1
1433, 2017/06/12 13:27:56, 0.1
1434, 2017/06/12 13:28:06, 0.1
1435, 2017/06/12 13:28:16, 0.1
1436, 2017/06/12 13:28:26, 0.1
1437, 2017/06/12 13:28:36, 0.1
1438, 2017/06/12 13:28:46, 0.1
1439, 2017/06/12 13:28:56, 0.1
1440, 2017/06/12 13:29:06, 0.1
1441, 2017/06/12 13:29:16, 0.1
1442, 2017/06/12 13:29:26, 0.1
1443, 2017/06/12 13:29:36, 0.1
1444, 2017/06/12 13:29:46, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

1445, 2017/06/12 13:29:56, 0.1
1446, 2017/06/12 13:30:06, 0.1
1447, 2017/06/12 13:30:16, 0.1
1448, 2017/06/12 13:30:26, 0.1
1449, 2017/06/12 13:30:36, 0.1
1450, 2017/06/12 13:30:46, 0.1
1451, 2017/06/12 13:30:56, 0.1
1452, 2017/06/12 13:31:06, 0.1
1453, 2017/06/12 13:31:16, 0.1
1454, 2017/06/12 13:31:26, 0.1
1455, 2017/06/12 13:31:36, 0.1
1456, 2017/06/12 13:31:46, 0.1
1457, 2017/06/12 13:31:56, 0.1
1458, 2017/06/12 13:32:06, 0.1
1459, 2017/06/12 13:32:16, 0.1
1460, 2017/06/12 13:32:26, 0.1
1461, 2017/06/12 13:32:36, 0.1
1462, 2017/06/12 13:32:46, 0.1
1463, 2017/06/12 13:32:56, 0.1
1464, 2017/06/12 13:33:06, 0.1
1465, 2017/06/12 13:33:16, 0.1
1466, 2017/06/12 13:33:26, 0.1
1467, 2017/06/12 13:33:36, 0.1
1468, 2017/06/12 13:33:46, 0.1
1469, 2017/06/12 13:33:56, 0.1
1470, 2017/06/12 13:34:06, 0.1
1471, 2017/06/12 13:34:16, 0.1
1472, 2017/06/12 13:34:26, 0.1
1473, 2017/06/12 13:34:36, 0.1
1474, 2017/06/12 13:34:46, 0.1
1475, 2017/06/12 13:34:56, 0.1
1476, 2017/06/12 13:35:06, 0.1
1477, 2017/06/12 13:35:16, 0.1
1478, 2017/06/12 13:35:26, 0.1
1479, 2017/06/12 13:35:36, 0.1
1480, 2017/06/12 13:35:46, 0.1
1481, 2017/06/12 13:35:56, 0.1
1482, 2017/06/12 13:36:06, 0.1
1483, 2017/06/12 13:36:16, 0.1
1484, 2017/06/12 13:36:26, 0.1
1485, 2017/06/12 13:36:36, 0.1
1486, 2017/06/12 13:36:46, 0.1
1487, 2017/06/12 13:36:56, 0.1
1488, 2017/06/12 13:37:06, 0.1
1489, 2017/06/12 13:37:16, 0.1
1490, 2017/06/12 13:37:26, 0.1
1491, 2017/06/12 13:37:36, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

1492, 2017/06/12 13:37:46, 0.1
1493, 2017/06/12 13:37:56, 0.1
1494, 2017/06/12 13:38:06, 0.1
1495, 2017/06/12 13:38:16, 0.1
1496, 2017/06/12 13:38:26, 0.1
1497, 2017/06/12 13:38:36, 0.1
1498, 2017/06/12 13:38:46, 0.1
1499, 2017/06/12 13:38:56, 0.1
1500, 2017/06/12 13:39:06, 0.1
1501, 2017/06/12 13:39:16, 0.1
1502, 2017/06/12 13:39:26, 0.1
1503, 2017/06/12 13:39:36, 0.1
1504, 2017/06/12 13:39:46, 0.1
1505, 2017/06/12 13:39:56, 0.1
1506, 2017/06/12 13:40:06, 0.1
1507, 2017/06/12 13:40:16, 0.1
1508, 2017/06/12 13:40:26, 0.1
1509, 2017/06/12 13:40:36, 0.1
1510, 2017/06/12 13:40:46, 0.1
1511, 2017/06/12 13:40:56, 0.1
1512, 2017/06/12 13:41:06, 0.1
1513, 2017/06/12 13:41:16, 0.1
1514, 2017/06/12 13:41:26, 0.1
1515, 2017/06/12 13:41:36, 0.1
1516, 2017/06/12 13:41:46, 0.1
1517, 2017/06/12 13:41:56, 0.1
1518, 2017/06/12 13:42:06, 0.1
1519, 2017/06/12 13:42:16, 0.1
1520, 2017/06/12 13:42:26, 0.1
1521, 2017/06/12 13:42:36, 0.1
1522, 2017/06/12 13:42:46, 0.1
1523, 2017/06/12 13:42:56, 0.1
1524, 2017/06/12 13:43:06, 0.1
1525, 2017/06/12 13:43:16, 0.1
1526, 2017/06/12 13:43:26, 0.1
1527, 2017/06/12 13:43:36, 0.1
1528, 2017/06/12 13:43:46, 0.1
1529, 2017/06/12 13:43:56, 0.1
1530, 2017/06/12 13:44:06, 0.1
1531, 2017/06/12 13:44:16, 0.1
1532, 2017/06/12 13:44:26, 0.1
1533, 2017/06/12 13:44:36, 0.1
1534, 2017/06/12 13:44:46, 0.1
1535, 2017/06/12 13:44:56, 0.1
1536, 2017/06/12 13:45:06, 0.1
1537, 2017/06/12 13:45:16, 0.1
1538, 2017/06/12 13:45:26, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

1539, 2017/06/12 13:45:36, 0.1
1540, 2017/06/12 13:45:46, 0.1
1541, 2017/06/12 13:45:56, 0.1
1542, 2017/06/12 13:46:06, 0.1
1543, 2017/06/12 13:46:16, 0.1
1544, 2017/06/12 13:46:26, 0.1
1545, 2017/06/12 13:46:36, 0.1
1546, 2017/06/12 13:46:46, 0.1
1547, 2017/06/12 13:46:56, 0.1
1548, 2017/06/12 13:47:06, 0.1
1549, 2017/06/12 13:47:16, 0.1
1550, 2017/06/12 13:47:26, 0.1
1551, 2017/06/12 13:47:36, 0.1
1552, 2017/06/12 13:47:46, 0.1
1553, 2017/06/12 13:47:56, 0.1
1554, 2017/06/12 13:48:06, 0.1
1555, 2017/06/12 13:48:16, 0.1
1556, 2017/06/12 13:48:26, 0.1
1557, 2017/06/12 13:48:36, 0.1
1558, 2017/06/12 13:48:46, 0.1
1559, 2017/06/12 13:48:56, 0.1
1560, 2017/06/12 13:49:06, 0.1
1561, 2017/06/12 13:49:16, 0.1
1562, 2017/06/12 13:49:26, 0.1
1563, 2017/06/12 13:49:36, 0.1
1564, 2017/06/12 13:49:46, 0.1
1565, 2017/06/12 13:49:56, 0.1
1566, 2017/06/12 13:50:06, 0.1
1567, 2017/06/12 13:50:16, 0.1
1568, 2017/06/12 13:50:26, 0.1
1569, 2017/06/12 13:50:36, 0.1
1570, 2017/06/12 13:50:46, 0.1
1571, 2017/06/12 13:50:56, 0.1
1572, 2017/06/12 13:51:06, 0.1
1573, 2017/06/12 13:51:16, 0.1
1574, 2017/06/12 13:51:26, 0.1
1575, 2017/06/12 13:51:36, 0.1
1576, 2017/06/12 13:51:46, 0.1
1577, 2017/06/12 13:51:56, 0.1
1578, 2017/06/12 13:52:06, 0.1
1579, 2017/06/12 13:52:16, 0.1
1580, 2017/06/12 13:52:26, 0.1
1581, 2017/06/12 13:52:36, 0.1
1582, 2017/06/12 13:52:46, 0.1
1583, 2017/06/12 13:52:56, 0.1
1584, 2017/06/12 13:53:06, 0.1
1585, 2017/06/12 13:53:16, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

1586, 2017/06/12 13:53:26, 0.1
1587, 2017/06/12 13:53:36, 0.1
1588, 2017/06/12 13:53:46, 0.1
1589, 2017/06/12 13:53:56, 0.1
1590, 2017/06/12 13:54:06, 0.1
1591, 2017/06/12 13:54:16, 0.1
1592, 2017/06/12 13:54:26, 0.1
1593, 2017/06/12 13:54:36, 0.1
1594, 2017/06/12 13:54:46, 0.1
1595, 2017/06/12 13:54:56, 0.1
1596, 2017/06/12 13:55:06, 0.1
1597, 2017/06/12 13:55:16, 0.1
1598, 2017/06/12 13:55:26, 0.1
1599, 2017/06/12 13:55:36, 0.1
1600, 2017/06/12 13:55:46, 0.1
1601, 2017/06/12 13:55:56, 0.1
1602, 2017/06/12 13:56:06, 0.1
1603, 2017/06/12 13:56:16, 0.1
1604, 2017/06/12 13:56:26, 0.1
1605, 2017/06/12 13:56:36, 0.1
1606, 2017/06/12 13:56:46, 0.1
1607, 2017/06/12 13:56:56, 0.1
1608, 2017/06/12 13:57:06, 0.1
1609, 2017/06/12 13:57:16, 0.1
1610, 2017/06/12 13:57:26, 0.1
1611, 2017/06/12 13:57:36, 0.1
1612, 2017/06/12 13:57:46, 0.1
1613, 2017/06/12 13:57:56, 0.1
1614, 2017/06/12 13:58:06, 0.1
1615, 2017/06/12 13:58:16, 0.1
1616, 2017/06/12 13:58:26, 0.1
1617, 2017/06/12 13:58:36, 0.1
1618, 2017/06/12 13:58:46, 0.1
1619, 2017/06/12 13:58:56, 0.1
1620, 2017/06/12 13:59:06, 0.1
1621, 2017/06/12 13:59:16, 0.1
1622, 2017/06/12 13:59:26, 0.1
1623, 2017/06/12 13:59:36, 0.1
1624, 2017/06/12 13:59:46, 0.1
1625, 2017/06/12 13:59:56, 0.1
1626, 2017/06/12 14:00:06, 0.1
1627, 2017/06/12 14:00:16, 0.1
1628, 2017/06/12 14:00:26, 0.1
1629, 2017/06/12 14:00:36, 0.1
1630, 2017/06/12 14:00:46, 0.1
1631, 2017/06/12 14:00:56, 0.1
1632, 2017/06/12 14:01:06, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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1633, 2017/06/12 14:01:16, 0.1
1634, 2017/06/12 14:01:26, 0.1
1635, 2017/06/12 14:01:36, 0.1
1636, 2017/06/12 14:01:46, 0.1
1637, 2017/06/12 14:01:56, 0.1
1638, 2017/06/12 14:02:06, 0.1
1639, 2017/06/12 14:02:16, 0.1
1640, 2017/06/12 14:02:26, 0.1
1641, 2017/06/12 14:02:36, 0.1
1642, 2017/06/12 14:02:46, 0.1
1643, 2017/06/12 14:02:56, 0.1
1644, 2017/06/12 14:03:06, 0.1
1645, 2017/06/12 14:03:16, 0.1
1646, 2017/06/12 14:03:26, 0.1
1647, 2017/06/12 14:03:36, 0.1
1648, 2017/06/12 14:03:46, 0.1
1649, 2017/06/12 14:03:56, 0.1
1650, 2017/06/12 14:04:06, 0.1
1651, 2017/06/12 14:04:16, 0.1
1652, 2017/06/12 14:04:26, 0.1
1653, 2017/06/12 14:04:36, 0.1
1654, 2017/06/12 14:04:46, 0.1
1655, 2017/06/12 14:04:56, 0.1
1656, 2017/06/12 14:05:06, 0.1
1657, 2017/06/12 14:05:16, 0.1
1658, 2017/06/12 14:05:26, 0.1
1659, 2017/06/12 14:05:36, 0.1
1660, 2017/06/12 14:05:46, 0.1
1661, 2017/06/12 14:05:56, 0.1
1662, 2017/06/12 14:06:06, 0.1
1663, 2017/06/12 14:06:16, 0.1
1664, 2017/06/12 14:06:26, 0.1
1665, 2017/06/12 14:06:36, 0.1
1666, 2017/06/12 14:06:46, 0.1
1667, 2017/06/12 14:06:56, 0.1
1668, 2017/06/12 14:07:06, 0.1
1669, 2017/06/12 14:07:16, 0.1
1670, 2017/06/12 14:07:26, 0.1
1671, 2017/06/12 14:07:36, 0.1
1672, 2017/06/12 14:07:46, 0.1
1673, 2017/06/12 14:07:56, 0.1
1674, 2017/06/12 14:08:06, 0.1
1675, 2017/06/12 14:08:16, 0.1
1676, 2017/06/12 14:08:26, 0.1
1677, 2017/06/12 14:08:36, 0.1
1678, 2017/06/12 14:08:46, 0.1
1679, 2017/06/12 14:08:56, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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1680, 2017/06/12 14:09:06, 0.1
1681, 2017/06/12 14:09:16, 0.1
1682, 2017/06/12 14:09:26, 0.1
1683, 2017/06/12 14:09:36, 0.1
1684, 2017/06/12 14:09:46, 0.1
1685, 2017/06/12 14:09:56, 0.1
1686, 2017/06/12 14:10:06, 0.1
1687, 2017/06/12 14:10:16, 0.1
1688, 2017/06/12 14:10:26, 0.1
1689, 2017/06/12 14:10:36, 0.1
1690, 2017/06/12 14:10:46, 0.1
1691, 2017/06/12 14:10:56, 0.1
1692, 2017/06/12 14:11:06, 0.1
1693, 2017/06/12 14:11:16, 0.1
1694, 2017/06/12 14:11:26, 0.1
1695, 2017/06/12 14:11:36, 0.1
1696, 2017/06/12 14:11:46, 0.1
1697, 2017/06/12 14:11:56, 0.1
1698, 2017/06/12 14:12:06, 0.1
1699, 2017/06/12 14:12:16, 0.1
1700, 2017/06/12 14:12:26, 0.1
1701, 2017/06/12 14:12:36, 0.1
1702, 2017/06/12 14:12:46, 0.1
1703, 2017/06/12 14:12:56, 0.1
1704, 2017/06/12 14:13:06, 0.1
1705, 2017/06/12 14:13:16, 0.1
1706, 2017/06/12 14:13:26, 0.1
1707, 2017/06/12 14:13:36, 0.1
1708, 2017/06/12 14:13:46, 0.1
1709, 2017/06/12 14:13:56, 0.1
1710, 2017/06/12 14:14:06, 0.1
1711, 2017/06/12 14:14:16, 0.1
1712, 2017/06/12 14:14:26, 0.1
1713, 2017/06/12 14:14:36, 0.1
1714, 2017/06/12 14:14:46, 0.1
1715, 2017/06/12 14:14:56, 0.1
1716, 2017/06/12 14:15:06, 0.1
1717, 2017/06/12 14:15:16, 0.1
1718, 2017/06/12 14:15:26, 0.1
1719, 2017/06/12 14:15:36, 0.1
1720, 2017/06/12 14:15:46, 0.1
1721, 2017/06/12 14:15:56, 0.1
1722, 2017/06/12 14:16:06, 0.1
1723, 2017/06/12 14:16:16, 0.1
1724, 2017/06/12 14:16:26, 0.1
1725, 2017/06/12 14:16:36, 0.1
1726, 2017/06/12 14:16:46, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

1727, 2017/06/12 14:16:56, 0.1
1728, 2017/06/12 14:17:06, 0.1
1729, 2017/06/12 14:17:16, 0.1
1730, 2017/06/12 14:17:26, 0.1
1731, 2017/06/12 14:17:36, 0.1
1732, 2017/06/12 14:17:46, 0.1
1733, 2017/06/12 14:17:56, 0.1
1734, 2017/06/12 14:18:06, 0.1
1735, 2017/06/12 14:18:16, 0.1
1736, 2017/06/12 14:18:26, 0.1
1737, 2017/06/12 14:18:36, 0.1
1738, 2017/06/12 14:18:46, 0.1
1739, 2017/06/12 14:18:56, 0.1
1740, 2017/06/12 14:19:06, 0.1
1741, 2017/06/12 14:19:16, 0.1
1742, 2017/06/12 14:19:26, 0.1
1743, 2017/06/12 14:19:36, 0.1
1744, 2017/06/12 14:19:46, 0.1
1745, 2017/06/12 14:19:56, 0.1
1746, 2017/06/12 14:20:06, 0.1
1747, 2017/06/12 14:20:16, 0.1
1748, 2017/06/12 14:20:26, 0.1
1749, 2017/06/12 14:20:36, 0.1
1750, 2017/06/12 14:20:46, 0.1
1751, 2017/06/12 14:20:56, 0.1
1752, 2017/06/12 14:21:06, 0.1
1753, 2017/06/12 14:21:16, 0.1
1754, 2017/06/12 14:21:26, 0.1
1755, 2017/06/12 14:21:36, 0.1
1756, 2017/06/12 14:21:46, 0.1
1757, 2017/06/12 14:21:56, 0.1
1758, 2017/06/12 14:22:06, 0.1
1759, 2017/06/12 14:22:16, 0.1
1760, 2017/06/12 14:22:26, 0.1
1761, 2017/06/12 14:22:36, 0.1
1762, 2017/06/12 14:22:46, 0.1
1763, 2017/06/12 14:22:56, 0.1
1764, 2017/06/12 14:23:06, 0.1
1765, 2017/06/12 14:23:16, 0.1
1766, 2017/06/12 14:23:26, 0.1
1767, 2017/06/12 14:23:36, 0.1
1768, 2017/06/12 14:23:46, 0.1
1769, 2017/06/12 14:23:56, 0.1
1770, 2017/06/12 14:24:06, 0.1
1771, 2017/06/12 14:24:16, 0.1
1772, 2017/06/12 14:24:26, 0.1
1773, 2017/06/12 14:24:36, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

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1774, 2017/06/12 14:24:46, 0.1
1775, 2017/06/12 14:24:56, 0.1
1776, 2017/06/12 14:25:06, 0.1
1777, 2017/06/12 14:25:16, 0.1
1778, 2017/06/12 14:25:26, 0.1
1779, 2017/06/12 14:25:36, 0.1
1780, 2017/06/12 14:25:46, 0.1
1781, 2017/06/12 14:25:56, 0.1
1782, 2017/06/12 14:26:06, 0.1
1783, 2017/06/12 14:26:16, 0.1
1784, 2017/06/12 14:26:26, 0.1
1785, 2017/06/12 14:26:36, 0.1
1786, 2017/06/12 14:26:46, 0.1
1787, 2017/06/12 14:26:56, 0.1
1788, 2017/06/12 14:27:06, 0.1
1789, 2017/06/12 14:27:16, 0.1
1790, 2017/06/12 14:27:26, 0.1
1791, 2017/06/12 14:27:36, 0.1
1792, 2017/06/12 14:27:46, 0.1
1793, 2017/06/12 14:27:56, 0.1
1794, 2017/06/12 14:28:06, 0.1
1795, 2017/06/12 14:28:16, 0.1
1796, 2017/06/12 14:28:26, 0.1
1797, 2017/06/12 14:28:36, 0.1
1798, 2017/06/12 14:28:46, 0.1
1799, 2017/06/12 14:28:56, 0.1
Peak, , 0.1
Min, , 0.0
Average, , 0.1

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17/06/13 07:59

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-919032
Unit Firmware Ver	V2.14

Running Mode	Hygiene Mode
Datalog Mode	Manual
Diagnostic Mode	No
Stop Reason	Stop by User

Site ID	RAE00000
User ID	USER0000

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

Begin	6/13/2017 7:59
End	6/13/2017 8:00
Sample Period(s)	10
Number of Records	3
Sensor	PID(ppm)
Sensor SN	S023030206U3
Measure Type	Avg
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	6/13/2017 7:40
Peak	N/A
Min	N/A
Average	N/A

Datalog
, , PID(ppm)
Index, Date/Time, (Avg)
001, 2017/06/13 08:00:09, 0.2
002, 2017/06/13 08:00:19, 0.2
003, 2017/06/13 08:00:29, 0.3
Peak, , 0.3
Min, , 0.2
Average, , 0.2

17/06/13 08:02
Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-919032
Unit Firmware Ver	V2.14
Running Mode	Hygiene Mode
Datalog Mode	Manual
Diagnostic Mode	No
Stop Reason	Stop by User
Site ID	RAE00000

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

User ID	USER0000
Begin	6/13/2017 8:02
End	6/13/2017 12:49
Sample Period(s)	10
Number of Records	1721
Sensor	PID(ppm)
Sensor SN	S023030206U3
Measure Type	Avg
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	6/13/2017 7:40
Peak	N/A
Min	N/A
Average	N/A

****

Datalog
, , PID(ppm)
Index, Date/Time, (Avg)
001, 2017/06/13 08:02:31, 0.1
002, 2017/06/13 08:02:41, 0.2
003, 2017/06/13 08:02:51, 0.2
004, 2017/06/13 08:03:01, 0.1
005, 2017/06/13 08:03:11, 0.1
006, 2017/06/13 08:03:21, 0.1
007, 2017/06/13 08:03:31, 0.1
008, 2017/06/13 08:03:41, 0.1
009, 2017/06/13 08:03:51, 0.1
010, 2017/06/13 08:04:01, 0.1
011, 2017/06/13 08:04:11, 0.1
012, 2017/06/13 08:04:21, 0.1
013, 2017/06/13 08:04:31, 0.1
014, 2017/06/13 08:04:41, 0.1
015, 2017/06/13 08:04:51, 0.1
016, 2017/06/13 08:05:01, 0.1
017, 2017/06/13 08:05:11, 0.1
018, 2017/06/13 08:05:21, 0.1
019, 2017/06/13 08:05:31, 0.1
020, 2017/06/13 08:05:41, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

021, 2017/06/13 08:05:51, 0.1
022, 2017/06/13 08:06:01, 0.1
023, 2017/06/13 08:06:11, 0.1
024, 2017/06/13 08:06:21, 0.1
025, 2017/06/13 08:06:31, 0.1
026, 2017/06/13 08:06:41, 0.1
027, 2017/06/13 08:06:51, 0.1
028, 2017/06/13 08:07:01, 0.1
029, 2017/06/13 08:07:11, 0.1
030, 2017/06/13 08:07:21, 0.1
031, 2017/06/13 08:07:31, 0.1
032, 2017/06/13 08:07:41, 0.1
033, 2017/06/13 08:07:51, 0.1
034, 2017/06/13 08:08:01, 0.1
035, 2017/06/13 08:08:11, 0.1
036, 2017/06/13 08:08:21, 0.1
037, 2017/06/13 08:08:31, 0.1
038, 2017/06/13 08:08:41, 0.1
039, 2017/06/13 08:08:51, 0.1
040, 2017/06/13 08:09:01, 0.1
041, 2017/06/13 08:09:11, 0.1
042, 2017/06/13 08:09:21, 0.1
043, 2017/06/13 08:09:31, 0.1
044, 2017/06/13 08:09:41, 0.1
045, 2017/06/13 08:09:51, 0.1
046, 2017/06/13 08:10:01, 0.1
047, 2017/06/13 08:10:11, 0.1
048, 2017/06/13 08:10:21, 0.1
049, 2017/06/13 08:10:31, 0.1
050, 2017/06/13 08:10:41, 0.1
051, 2017/06/13 08:10:51, 0.1
052, 2017/06/13 08:11:01, 0.1
053, 2017/06/13 08:11:11, 0.0
054, 2017/06/13 08:11:21, 0.0
055, 2017/06/13 08:11:31, 0.0
056, 2017/06/13 08:11:41, 0.0
057, 2017/06/13 08:11:51, 0.0
058, 2017/06/13 08:12:01, 0.1
059, 2017/06/13 08:12:11, 0.0
060, 2017/06/13 08:12:21, 0.1
061, 2017/06/13 08:12:31, 0.0
062, 2017/06/13 08:12:41, 0.1
063, 2017/06/13 08:12:51, 0.1
064, 2017/06/13 08:13:01, 0.1
065, 2017/06/13 08:13:11, 0.1
066, 2017/06/13 08:13:21, 0.1
067, 2017/06/13 08:13:31, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

068, 2017/06/13 08:13:41, 0.1
069, 2017/06/13 08:13:51, 0.1
070, 2017/06/13 08:14:01, 0.1
071, 2017/06/13 08:14:11, 0.1
072, 2017/06/13 08:14:21, 0.1
073, 2017/06/13 08:14:31, 0.1
074, 2017/06/13 08:14:41, 0.1
075, 2017/06/13 08:14:51, 0.1
076, 2017/06/13 08:15:01, 0.1
077, 2017/06/13 08:15:11, 0.1
078, 2017/06/13 08:15:21, 0.1
079, 2017/06/13 08:15:31, 0.1
080, 2017/06/13 08:15:41, 0.1
081, 2017/06/13 08:15:51, 0.1
082, 2017/06/13 08:16:01, 0.1
083, 2017/06/13 08:16:11, 0.1
084, 2017/06/13 08:16:21, 0.1
085, 2017/06/13 08:16:31, 0.1
086, 2017/06/13 08:16:41, 0.1
087, 2017/06/13 08:16:51, 0.0
088, 2017/06/13 08:17:01, 0.0
089, 2017/06/13 08:17:11, 0.1
090, 2017/06/13 08:17:21, 0.1
091, 2017/06/13 08:17:31, 0.1
092, 2017/06/13 08:17:41, 0.1
093, 2017/06/13 08:17:51, 0.1
094, 2017/06/13 08:18:01, 0.1
095, 2017/06/13 08:18:11, 0.1
096, 2017/06/13 08:18:21, 0.1
097, 2017/06/13 08:18:31, 0.1
098, 2017/06/13 08:18:41, 0.1
099, 2017/06/13 08:18:51, 0.1
100, 2017/06/13 08:19:01, 0.1
101, 2017/06/13 08:19:11, 0.1
102, 2017/06/13 08:19:21, 0.1
103, 2017/06/13 08:19:31, 0.1
104, 2017/06/13 08:19:41, 0.0
105, 2017/06/13 08:19:51, 0.0
106, 2017/06/13 08:20:01, 0.0
107, 2017/06/13 08:20:11, 0.1
108, 2017/06/13 08:20:21, 0.1
109, 2017/06/13 08:20:31, 0.1
110, 2017/06/13 08:20:41, 0.1
111, 2017/06/13 08:20:51, 0.1
112, 2017/06/13 08:21:01, 0.1
113, 2017/06/13 08:21:11, 0.1
114, 2017/06/13 08:21:21, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

115, 2017/06/13 08:21:31, 0.1
116, 2017/06/13 08:21:41, 0.0
117, 2017/06/13 08:21:51, 0.0
118, 2017/06/13 08:22:01, 0.0
119, 2017/06/13 08:22:11, 0.1
120, 2017/06/13 08:22:21, 0.0
121, 2017/06/13 08:22:31, 0.0
122, 2017/06/13 08:22:41, 0.1
123, 2017/06/13 08:22:51, 0.1
124, 2017/06/13 08:23:01, 0.1
125, 2017/06/13 08:23:11, 0.1
126, 2017/06/13 08:23:21, 0.1
127, 2017/06/13 08:23:31, 0.1
128, 2017/06/13 08:23:41, 0.1
129, 2017/06/13 08:23:51, 0.1
130, 2017/06/13 08:24:01, 0.1
131, 2017/06/13 08:24:11, 0.1
132, 2017/06/13 08:24:21, 0.1
133, 2017/06/13 08:24:31, 0.1
134, 2017/06/13 08:24:41, 0.1
135, 2017/06/13 08:24:51, 0.1
136, 2017/06/13 08:25:01, 0.1
137, 2017/06/13 08:25:11, 0.1
138, 2017/06/13 08:25:21, 0.1
139, 2017/06/13 08:25:31, 0.1
140, 2017/06/13 08:25:41, 0.1
141, 2017/06/13 08:25:51, 0.1
142, 2017/06/13 08:26:01, 0.1
143, 2017/06/13 08:26:11, 0.1
144, 2017/06/13 08:26:21, 0.1
145, 2017/06/13 08:26:31, 0.1
146, 2017/06/13 08:26:41, 0.1
147, 2017/06/13 08:26:51, 0.1
148, 2017/06/13 08:27:01, 0.1
149, 2017/06/13 08:27:11, 0.1
150, 2017/06/13 08:27:21, 0.1
151, 2017/06/13 08:27:31, 0.1
152, 2017/06/13 08:27:41, 0.1
153, 2017/06/13 08:27:51, 0.1
154, 2017/06/13 08:28:01, 0.1
155, 2017/06/13 08:28:11, 0.1
156, 2017/06/13 08:28:21, 0.1
157, 2017/06/13 08:28:31, 0.1
158, 2017/06/13 08:28:41, 0.1
159, 2017/06/13 08:28:51, 0.1
160, 2017/06/13 08:29:01, 0.1
161, 2017/06/13 08:29:11, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

162, 2017/06/13 08:29:21, 0.1
163, 2017/06/13 08:29:31, 0.1
164, 2017/06/13 08:29:41, 0.1
165, 2017/06/13 08:29:51, 0.1
166, 2017/06/13 08:30:01, 0.1
167, 2017/06/13 08:30:11, 0.1
168, 2017/06/13 08:30:21, 0.1
169, 2017/06/13 08:30:31, 0.1
170, 2017/06/13 08:30:41, 0.1
171, 2017/06/13 08:30:51, 0.1
172, 2017/06/13 08:31:01, 0.1
173, 2017/06/13 08:31:11, 0.1
174, 2017/06/13 08:31:21, 0.1
175, 2017/06/13 08:31:31, 0.1
176, 2017/06/13 08:31:41, 0.1
177, 2017/06/13 08:31:51, 0.1
178, 2017/06/13 08:32:01, 0.1
179, 2017/06/13 08:32:11, 0.1
180, 2017/06/13 08:32:21, 0.1
181, 2017/06/13 08:32:31, 0.1
182, 2017/06/13 08:32:41, 0.1
183, 2017/06/13 08:32:51, 0.1
184, 2017/06/13 08:33:01, 0.1
185, 2017/06/13 08:33:11, 0.1
186, 2017/06/13 08:33:21, 0.1
187, 2017/06/13 08:33:31, 0.1
188, 2017/06/13 08:33:41, 0.1
189, 2017/06/13 08:33:51, 0.1
190, 2017/06/13 08:34:01, 0.1
191, 2017/06/13 08:34:11, 0.1
192, 2017/06/13 08:34:21, 0.1
193, 2017/06/13 08:34:31, 0.1
194, 2017/06/13 08:34:41, 0.1
195, 2017/06/13 08:34:51, 0.1
196, 2017/06/13 08:35:01, 0.1
197, 2017/06/13 08:35:11, 0.1
198, 2017/06/13 08:35:21, 0.1
199, 2017/06/13 08:35:31, 0.1
200, 2017/06/13 08:35:41, 0.1
201, 2017/06/13 08:35:51, 0.1
202, 2017/06/13 08:36:01, 0.1
203, 2017/06/13 08:36:11, 0.1
204, 2017/06/13 08:36:21, 0.1
205, 2017/06/13 08:36:31, 0.1
206, 2017/06/13 08:36:41, 0.1
207, 2017/06/13 08:36:51, 0.1
208, 2017/06/13 08:37:01, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

209, 2017/06/13 08:37:11, 0.1
210, 2017/06/13 08:37:21, 0.1
211, 2017/06/13 08:37:31, 0.1
212, 2017/06/13 08:37:41, 0.1
213, 2017/06/13 08:37:51, 0.1
214, 2017/06/13 08:38:01, 0.1
215, 2017/06/13 08:38:11, 0.1
216, 2017/06/13 08:38:21, 0.1
217, 2017/06/13 08:38:31, 0.1
218, 2017/06/13 08:38:41, 0.1
219, 2017/06/13 08:38:51, 0.1
220, 2017/06/13 08:39:01, 0.1
221, 2017/06/13 08:39:11, 0.1
222, 2017/06/13 08:39:21, 0.1
223, 2017/06/13 08:39:31, 0.1
224, 2017/06/13 08:39:41, 0.1
225, 2017/06/13 08:39:51, 0.1
226, 2017/06/13 08:40:01, 0.1
227, 2017/06/13 08:40:11, 0.1
228, 2017/06/13 08:40:21, 0.1
229, 2017/06/13 08:40:31, 0.1
230, 2017/06/13 08:40:41, 0.1
231, 2017/06/13 08:40:51, 0.1
232, 2017/06/13 08:41:01, 0.1
233, 2017/06/13 08:41:11, 0.1
234, 2017/06/13 08:41:21, 0.1
235, 2017/06/13 08:41:31, 0.1
236, 2017/06/13 08:41:41, 0.1
237, 2017/06/13 08:41:51, 0.1
238, 2017/06/13 08:42:01, 0.1
239, 2017/06/13 08:42:11, 0.1
240, 2017/06/13 08:42:21, 0.1
241, 2017/06/13 08:42:31, 0.1
242, 2017/06/13 08:42:41, 0.1
243, 2017/06/13 08:42:51, 0.1
244, 2017/06/13 08:43:01, 0.1
245, 2017/06/13 08:43:11, 0.1
246, 2017/06/13 08:43:21, 0.1
247, 2017/06/13 08:43:31, 0.1
248, 2017/06/13 08:43:41, 0.1
249, 2017/06/13 08:43:51, 0.1
250, 2017/06/13 08:44:01, 0.1
251, 2017/06/13 08:44:11, 0.1
252, 2017/06/13 08:44:21, 0.1
253, 2017/06/13 08:44:31, 0.1
254, 2017/06/13 08:44:41, 0.1
255, 2017/06/13 08:44:51, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

256, 2017/06/13 08:45:01, 0.1
257, 2017/06/13 08:45:11, 0.1
258, 2017/06/13 08:45:21, 0.1
259, 2017/06/13 08:45:31, 0.1
260, 2017/06/13 08:45:41, 0.1
261, 2017/06/13 08:45:51, 0.1
262, 2017/06/13 08:46:01, 0.1
263, 2017/06/13 08:46:11, 0.1
264, 2017/06/13 08:46:21, 0.1
265, 2017/06/13 08:46:31, 0.1
266, 2017/06/13 08:46:41, 0.1
267, 2017/06/13 08:46:51, 0.1
268, 2017/06/13 08:47:01, 0.1
269, 2017/06/13 08:47:11, 0.1
270, 2017/06/13 08:47:21, 0.1
271, 2017/06/13 08:47:31, 0.1
272, 2017/06/13 08:47:41, 0.1
273, 2017/06/13 08:47:51, 0.1
274, 2017/06/13 08:48:01, 0.1
275, 2017/06/13 08:48:11, 0.1
276, 2017/06/13 08:48:21, 0.1
277, 2017/06/13 08:48:31, 0.1
278, 2017/06/13 08:48:41, 0.1
279, 2017/06/13 08:48:51, 0.1
280, 2017/06/13 08:49:01, 0.1
281, 2017/06/13 08:49:11, 0.1
282, 2017/06/13 08:49:21, 0.1
283, 2017/06/13 08:49:31, 0.1
284, 2017/06/13 08:49:41, 0.1
285, 2017/06/13 08:49:51, 0.1
286, 2017/06/13 08:50:01, 0.1
287, 2017/06/13 08:50:11, 0.1
288, 2017/06/13 08:50:21, 0.1
289, 2017/06/13 08:50:31, 0.1
290, 2017/06/13 08:50:41, 0.1
291, 2017/06/13 08:50:51, 0.1
292, 2017/06/13 08:51:01, 0.1
293, 2017/06/13 08:51:11, 0.1
294, 2017/06/13 08:51:21, 0.1
295, 2017/06/13 08:51:31, 0.1
296, 2017/06/13 08:51:41, 0.1
297, 2017/06/13 08:51:51, 0.1
298, 2017/06/13 08:52:01, 0.1
299, 2017/06/13 08:52:11, 0.1
300, 2017/06/13 08:52:21, 0.1
301, 2017/06/13 08:52:31, 0.1
302, 2017/06/13 08:52:41, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

303, 2017/06/13 08:52:51, 0.1
304, 2017/06/13 08:53:01, 0.1
305, 2017/06/13 08:53:11, 0.1
306, 2017/06/13 08:53:21, 0.1
307, 2017/06/13 08:53:31, 0.1
308, 2017/06/13 08:53:41, 0.1
309, 2017/06/13 08:53:51, 0.1
310, 2017/06/13 08:54:01, 0.1
311, 2017/06/13 08:54:11, 0.1
312, 2017/06/13 08:54:21, 0.1
313, 2017/06/13 08:54:31, 0.1
314, 2017/06/13 08:54:41, 0.1
315, 2017/06/13 08:54:51, 0.1
316, 2017/06/13 08:55:01, 0.1
317, 2017/06/13 08:55:11, 0.1
318, 2017/06/13 08:55:21, 0.1
319, 2017/06/13 08:55:31, 0.1
320, 2017/06/13 08:55:41, 0.1
321, 2017/06/13 08:55:51, 0.1
322, 2017/06/13 08:56:01, 0.1
323, 2017/06/13 08:56:11, 0.1
324, 2017/06/13 08:56:21, 0.1
325, 2017/06/13 08:56:31, 0.1
326, 2017/06/13 08:56:41, 0.1
327, 2017/06/13 08:56:51, 0.1
328, 2017/06/13 08:57:01, 0.1
329, 2017/06/13 08:57:11, 0.1
330, 2017/06/13 08:57:21, 0.1
331, 2017/06/13 08:57:31, 0.1
332, 2017/06/13 08:57:41, 0.1
333, 2017/06/13 08:57:51, 0.1
334, 2017/06/13 08:58:01, 0.1
335, 2017/06/13 08:58:11, 0.1
336, 2017/06/13 08:58:21, 0.1
337, 2017/06/13 08:58:31, 0.1
338, 2017/06/13 08:58:41, 0.1
339, 2017/06/13 08:58:51, 0.1
340, 2017/06/13 08:59:01, 0.1
341, 2017/06/13 08:59:11, 0.1
342, 2017/06/13 08:59:21, 0.1
343, 2017/06/13 08:59:31, 0.1
344, 2017/06/13 08:59:41, 0.1
345, 2017/06/13 08:59:51, 0.1
346, 2017/06/13 09:00:01, 0.1
347, 2017/06/13 09:00:11, 0.1
348, 2017/06/13 09:00:21, 0.1
349, 2017/06/13 09:00:31, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

350, 2017/06/13 09:00:41, 0.1
351, 2017/06/13 09:00:51, 0.1
352, 2017/06/13 09:01:01, 0.1
353, 2017/06/13 09:01:11, 0.1
354, 2017/06/13 09:01:21, 0.1
355, 2017/06/13 09:01:31, 0.1
356, 2017/06/13 09:01:41, 0.1
357, 2017/06/13 09:01:51, 0.1
358, 2017/06/13 09:02:01, 0.1
359, 2017/06/13 09:02:11, 0.1
360, 2017/06/13 09:02:21, 0.1
361, 2017/06/13 09:02:31, 0.1
362, 2017/06/13 09:02:41, 0.1
363, 2017/06/13 09:02:51, 0.1
364, 2017/06/13 09:03:01, 0.1
365, 2017/06/13 09:03:11, 0.1
366, 2017/06/13 09:03:21, 0.1
367, 2017/06/13 09:03:31, 0.1
368, 2017/06/13 09:03:41, 0.1
369, 2017/06/13 09:03:51, 0.1
370, 2017/06/13 09:04:01, 0.1
371, 2017/06/13 09:04:11, 0.1
372, 2017/06/13 09:04:21, 0.1
373, 2017/06/13 09:04:31, 0.1
374, 2017/06/13 09:04:41, 0.1
375, 2017/06/13 09:04:51, 0.1
376, 2017/06/13 09:05:01, 0.1
377, 2017/06/13 09:05:11, 0.1
378, 2017/06/13 09:05:21, 0.1
379, 2017/06/13 09:05:31, 0.1
380, 2017/06/13 09:05:41, 0.1
381, 2017/06/13 09:05:51, 0.1
382, 2017/06/13 09:06:01, 0.1
383, 2017/06/13 09:06:11, 0.1
384, 2017/06/13 09:06:21, 0.1
385, 2017/06/13 09:06:31, 0.1
386, 2017/06/13 09:06:41, 0.2
387, 2017/06/13 09:06:51, 0.2
388, 2017/06/13 09:07:01, 0.1
389, 2017/06/13 09:07:11, 0.1
390, 2017/06/13 09:07:21, 0.1
391, 2017/06/13 09:07:31, 0.1
392, 2017/06/13 09:07:41, 0.1
393, 2017/06/13 09:07:51, 0.1
394, 2017/06/13 09:08:01, 0.1
395, 2017/06/13 09:08:11, 0.1
396, 2017/06/13 09:08:21, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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397, 2017/06/13 09:08:31, 0.1
398, 2017/06/13 09:08:41, 0.1
399, 2017/06/13 09:08:51, 0.1
400, 2017/06/13 09:09:01, 0.1
401, 2017/06/13 09:09:11, 0.1
402, 2017/06/13 09:09:21, 0.1
403, 2017/06/13 09:09:31, 0.1
404, 2017/06/13 09:09:41, 0.1
405, 2017/06/13 09:09:51, 0.1
406, 2017/06/13 09:10:01, 0.1
407, 2017/06/13 09:10:11, 0.1
408, 2017/06/13 09:10:21, 0.1
409, 2017/06/13 09:10:31, 0.1
410, 2017/06/13 09:10:41, 0.1
411, 2017/06/13 09:10:51, 0.1
412, 2017/06/13 09:11:01, 0.1
413, 2017/06/13 09:11:11, 0.1
414, 2017/06/13 09:11:21, 0.1
415, 2017/06/13 09:11:31, 0.1
416, 2017/06/13 09:11:41, 0.1
417, 2017/06/13 09:11:51, 0.1
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420, 2017/06/13 09:12:21, 0.1
421, 2017/06/13 09:12:31, 0.1
422, 2017/06/13 09:12:41, 0.1
423, 2017/06/13 09:12:51, 0.1
424, 2017/06/13 09:13:01, 0.1
425, 2017/06/13 09:13:11, 0.1
426, 2017/06/13 09:13:21, 0.1
427, 2017/06/13 09:13:31, 0.1
428, 2017/06/13 09:13:41, 0.1
429, 2017/06/13 09:13:51, 0.1
430, 2017/06/13 09:14:01, 0.1
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432, 2017/06/13 09:14:21, 0.1
433, 2017/06/13 09:14:31, 0.1
434, 2017/06/13 09:14:41, 0.2
435, 2017/06/13 09:14:51, 0.1
436, 2017/06/13 09:15:01, 0.1
437, 2017/06/13 09:15:11, 0.1
438, 2017/06/13 09:15:21, 0.1
439, 2017/06/13 09:15:31, 0.1
440, 2017/06/13 09:15:41, 0.1
441, 2017/06/13 09:15:51, 0.1
442, 2017/06/13 09:16:01, 0.1
443, 2017/06/13 09:16:11, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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444, 2017/06/13 09:16:21, 0.1
445, 2017/06/13 09:16:31, 0.1
446, 2017/06/13 09:16:41, 0.1
447, 2017/06/13 09:16:51, 0.1
448, 2017/06/13 09:17:01, 0.1
449, 2017/06/13 09:17:11, 0.1
450, 2017/06/13 09:17:21, 0.1
451, 2017/06/13 09:17:31, 0.1
452, 2017/06/13 09:17:41, 0.1
453, 2017/06/13 09:17:51, 0.1
454, 2017/06/13 09:18:01, 0.1
455, 2017/06/13 09:18:11, 0.1
456, 2017/06/13 09:18:21, 0.1
457, 2017/06/13 09:18:31, 0.1
458, 2017/06/13 09:18:41, 0.1
459, 2017/06/13 09:18:51, 0.1
460, 2017/06/13 09:19:01, 0.1
461, 2017/06/13 09:19:11, 0.1
462, 2017/06/13 09:19:21, 0.1
463, 2017/06/13 09:19:31, 0.1
464, 2017/06/13 09:19:41, 0.1
465, 2017/06/13 09:19:51, 0.1
466, 2017/06/13 09:20:01, 0.1
467, 2017/06/13 09:20:11, 0.1
468, 2017/06/13 09:20:21, 0.1
469, 2017/06/13 09:20:31, 0.1
470, 2017/06/13 09:20:41, 0.1
471, 2017/06/13 09:20:51, 0.1
472, 2017/06/13 09:21:01, 0.1
473, 2017/06/13 09:21:11, 0.1
474, 2017/06/13 09:21:21, 0.1
475, 2017/06/13 09:21:31, 0.1
476, 2017/06/13 09:21:41, 0.1
477, 2017/06/13 09:21:51, 0.1
478, 2017/06/13 09:22:01, 0.1
479, 2017/06/13 09:22:11, 0.1
480, 2017/06/13 09:22:21, 0.1
481, 2017/06/13 09:22:31, 0.1
482, 2017/06/13 09:22:41, 0.1
483, 2017/06/13 09:22:51, 0.1
484, 2017/06/13 09:23:01, 0.1
485, 2017/06/13 09:23:11, 0.1
486, 2017/06/13 09:23:21, 0.1
487, 2017/06/13 09:23:31, 0.1
488, 2017/06/13 09:23:41, 0.1
489, 2017/06/13 09:23:51, 0.1
490, 2017/06/13 09:24:01, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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491, 2017/06/13 09:24:11, 0.1
492, 2017/06/13 09:24:21, 0.1
493, 2017/06/13 09:24:31, 0.1
494, 2017/06/13 09:24:41, 0.1
495, 2017/06/13 09:24:51, 0.1
496, 2017/06/13 09:25:01, 0.1
497, 2017/06/13 09:25:11, 0.1
498, 2017/06/13 09:25:21, 0.1
499, 2017/06/13 09:25:31, 0.1
500, 2017/06/13 09:25:41, 0.1
501, 2017/06/13 09:25:51, 0.1
502, 2017/06/13 09:26:01, 0.1
503, 2017/06/13 09:26:11, 0.2
504, 2017/06/13 09:26:21, 0.2
505, 2017/06/13 09:26:31, 0.1
506, 2017/06/13 09:26:41, 0.1
507, 2017/06/13 09:26:51, 0.1
508, 2017/06/13 09:27:01, 0.1
509, 2017/06/13 09:27:11, 0.1
510, 2017/06/13 09:27:21, 0.1
511, 2017/06/13 09:27:31, 0.1
512, 2017/06/13 09:27:41, 0.1
513, 2017/06/13 09:27:51, 0.1
514, 2017/06/13 09:28:01, 0.1
515, 2017/06/13 09:28:11, 0.1
516, 2017/06/13 09:28:21, 0.1
517, 2017/06/13 09:28:31, 0.1
518, 2017/06/13 09:28:41, 0.1
519, 2017/06/13 09:28:51, 0.1
520, 2017/06/13 09:29:01, 0.1
521, 2017/06/13 09:29:11, 0.1
522, 2017/06/13 09:29:21, 0.1
523, 2017/06/13 09:29:31, 0.1
524, 2017/06/13 09:29:41, 0.1
525, 2017/06/13 09:29:51, 0.1
526, 2017/06/13 09:30:01, 0.1
527, 2017/06/13 09:30:11, 0.1
528, 2017/06/13 09:30:21, 0.1
529, 2017/06/13 09:30:31, 0.1
530, 2017/06/13 09:30:41, 0.1
531, 2017/06/13 09:30:51, 0.1
532, 2017/06/13 09:31:01, 0.1
533, 2017/06/13 09:31:11, 0.1
534, 2017/06/13 09:31:21, 0.2
535, 2017/06/13 09:31:31, 0.1
536, 2017/06/13 09:31:41, 0.1
537, 2017/06/13 09:31:51, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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538, 2017/06/13 09:32:01, 0.1
539, 2017/06/13 09:32:11, 0.2
540, 2017/06/13 09:32:21, 0.1
541, 2017/06/13 09:32:31, 0.1
542, 2017/06/13 09:32:41, 0.1
543, 2017/06/13 09:32:51, 0.1
544, 2017/06/13 09:33:01, 0.1
545, 2017/06/13 09:33:11, 0.1
546, 2017/06/13 09:33:21, 0.2
547, 2017/06/13 09:33:31, 0.2
548, 2017/06/13 09:33:41, 0.2
549, 2017/06/13 09:33:51, 0.2
550, 2017/06/13 09:34:01, 0.2
551, 2017/06/13 09:34:11, 0.2
552, 2017/06/13 09:34:21, 0.2
553, 2017/06/13 09:34:31, 0.1
554, 2017/06/13 09:34:41, 0.1
555, 2017/06/13 09:34:51, 0.2
556, 2017/06/13 09:35:01, 0.1
557, 2017/06/13 09:35:11, 0.1
558, 2017/06/13 09:35:21, 0.1
559, 2017/06/13 09:35:31, 0.1
560, 2017/06/13 09:35:41, 0.1
561, 2017/06/13 09:35:51, 0.1
562, 2017/06/13 09:36:01, 0.1
563, 2017/06/13 09:36:11, 0.1
564, 2017/06/13 09:36:21, 0.1
565, 2017/06/13 09:36:31, 0.1
566, 2017/06/13 09:36:41, 0.1
567, 2017/06/13 09:36:51, 0.1
568, 2017/06/13 09:37:01, 0.1
569, 2017/06/13 09:37:11, 0.1
570, 2017/06/13 09:37:21, 0.1
571, 2017/06/13 09:37:31, 0.1
572, 2017/06/13 09:37:41, 0.1
573, 2017/06/13 09:37:51, 0.2
574, 2017/06/13 09:38:01, 0.2
575, 2017/06/13 09:38:11, 0.2
576, 2017/06/13 09:38:21, 0.2
577, 2017/06/13 09:38:31, 0.1
578, 2017/06/13 09:38:41, 0.2
579, 2017/06/13 09:38:51, 0.1
580, 2017/06/13 09:39:01, 0.1
581, 2017/06/13 09:39:11, 0.1
582, 2017/06/13 09:39:21, 0.2
583, 2017/06/13 09:39:31, 0.1
584, 2017/06/13 09:39:41, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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585, 2017/06/13 09:39:51, 0.2
586, 2017/06/13 09:40:01, 0.1
587, 2017/06/13 09:40:11, 0.1
588, 2017/06/13 09:40:21, 0.1
589, 2017/06/13 09:40:31, 0.1
590, 2017/06/13 09:40:41, 0.1
591, 2017/06/13 09:40:51, 0.1
592, 2017/06/13 09:41:01, 0.1
593, 2017/06/13 09:41:11, 0.2
594, 2017/06/13 09:41:21, 0.2
595, 2017/06/13 09:41:31, 0.2
596, 2017/06/13 09:41:41, 0.2
597, 2017/06/13 09:41:51, 0.2
598, 2017/06/13 09:42:01, 0.2
599, 2017/06/13 09:42:11, 0.1
600, 2017/06/13 09:42:21, 0.1
601, 2017/06/13 09:42:31, 0.1
602, 2017/06/13 09:42:41, 0.1
603, 2017/06/13 09:42:51, 0.1
604, 2017/06/13 09:43:01, 0.1
605, 2017/06/13 09:43:11, 0.1
606, 2017/06/13 09:43:21, 0.1
607, 2017/06/13 09:43:31, 0.1
608, 2017/06/13 09:43:41, 0.1
609, 2017/06/13 09:43:51, 0.1
610, 2017/06/13 09:44:01, 0.1
611, 2017/06/13 09:44:11, 0.1
612, 2017/06/13 09:44:21, 0.1
613, 2017/06/13 09:44:31, 0.1
614, 2017/06/13 09:44:41, 0.1
615, 2017/06/13 09:44:51, 0.2
616, 2017/06/13 09:45:01, 0.2
617, 2017/06/13 09:45:11, 0.2
618, 2017/06/13 09:45:21, 0.2
619, 2017/06/13 09:45:31, 0.2
620, 2017/06/13 09:45:41, 0.2
621, 2017/06/13 09:45:51, 0.1
622, 2017/06/13 09:46:01, 0.2
623, 2017/06/13 09:46:11, 0.1
624, 2017/06/13 09:46:21, 0.1
625, 2017/06/13 09:46:31, 0.1
626, 2017/06/13 09:46:41, 0.2
627, 2017/06/13 09:46:51, 0.2
628, 2017/06/13 09:47:01, 0.2
629, 2017/06/13 09:47:11, 0.2
630, 2017/06/13 09:47:21, 0.1
631, 2017/06/13 09:47:31, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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632, 2017/06/13 09:47:41, 0.2
633, 2017/06/13 09:47:51, 0.2
634, 2017/06/13 09:48:01, 0.2
635, 2017/06/13 09:48:11, 0.2
636, 2017/06/13 09:48:21, 0.2
637, 2017/06/13 09:48:31, 0.2
638, 2017/06/13 09:48:41, 0.2
639, 2017/06/13 09:48:51, 0.2
640, 2017/06/13 09:49:01, 0.2
641, 2017/06/13 09:49:11, 0.2
642, 2017/06/13 09:49:21, 0.2
643, 2017/06/13 09:49:31, 0.2
644, 2017/06/13 09:49:41, 0.2
645, 2017/06/13 09:49:51, 0.2
646, 2017/06/13 09:50:01, 0.2
647, 2017/06/13 09:50:11, 0.2
648, 2017/06/13 09:50:21, 0.2
649, 2017/06/13 09:50:31, 0.2
650, 2017/06/13 09:50:41, 0.2
651, 2017/06/13 09:50:51, 0.2
652, 2017/06/13 09:51:01, 0.2
653, 2017/06/13 09:51:11, 0.2
654, 2017/06/13 09:51:21, 0.2
655, 2017/06/13 09:51:31, 0.1
656, 2017/06/13 09:51:41, 0.2
657, 2017/06/13 09:51:51, 0.2
658, 2017/06/13 09:52:01, 0.2
659, 2017/06/13 09:52:11, 0.2
660, 2017/06/13 09:52:21, 0.2
661, 2017/06/13 09:52:31, 0.2
662, 2017/06/13 09:52:41, 0.2
663, 2017/06/13 09:52:51, 0.2
664, 2017/06/13 09:53:01, 0.2
665, 2017/06/13 09:53:11, 0.2
666, 2017/06/13 09:53:21, 0.2
667, 2017/06/13 09:53:31, 0.2
668, 2017/06/13 09:53:41, 0.2
669, 2017/06/13 09:53:51, 0.2
670, 2017/06/13 09:54:01, 0.2
671, 2017/06/13 09:54:11, 0.2
672, 2017/06/13 09:54:21, 0.2
673, 2017/06/13 09:54:31, 0.2
674, 2017/06/13 09:54:41, 0.2
675, 2017/06/13 09:54:51, 0.2
676, 2017/06/13 09:55:01, 0.2
677, 2017/06/13 09:55:11, 0.2
678, 2017/06/13 09:55:21, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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679, 2017/06/13 09:55:31, 0.2
680, 2017/06/13 09:55:41, 0.2
681, 2017/06/13 09:55:51, 0.2
682, 2017/06/13 09:56:01, 0.2
683, 2017/06/13 09:56:11, 0.2
684, 2017/06/13 09:56:21, 0.2
685, 2017/06/13 09:56:31, 0.2
686, 2017/06/13 09:56:41, 0.2
687, 2017/06/13 09:56:51, 0.2
688, 2017/06/13 09:57:01, 0.2
689, 2017/06/13 09:57:11, 0.2
690, 2017/06/13 09:57:21, 0.2
691, 2017/06/13 09:57:31, 0.2
692, 2017/06/13 09:57:41, 0.2
693, 2017/06/13 09:57:51, 0.2
694, 2017/06/13 09:58:01, 0.1
695, 2017/06/13 09:58:11, 0.1
696, 2017/06/13 09:58:21, 0.2
697, 2017/06/13 09:58:31, 0.2
698, 2017/06/13 09:58:41, 0.2
699, 2017/06/13 09:58:51, 0.2
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702, 2017/06/13 09:59:21, 0.2
703, 2017/06/13 09:59:31, 0.2
704, 2017/06/13 09:59:41, 0.2
705, 2017/06/13 09:59:51, 0.2
706, 2017/06/13 10:00:01, 0.2
707, 2017/06/13 10:00:11, 0.2
708, 2017/06/13 10:00:21, 0.2
709, 2017/06/13 10:00:31, 0.2
710, 2017/06/13 10:00:41, 0.2
711, 2017/06/13 10:00:51, 0.2
712, 2017/06/13 10:01:01, 0.2
713, 2017/06/13 10:01:11, 0.2
714, 2017/06/13 10:01:21, 0.2
715, 2017/06/13 10:01:31, 0.2
716, 2017/06/13 10:01:41, 0.2
717, 2017/06/13 10:01:51, 0.2
718, 2017/06/13 10:02:01, 0.2
719, 2017/06/13 10:02:11, 0.2
720, 2017/06/13 10:02:21, 0.2
721, 2017/06/13 10:02:31, 0.2
722, 2017/06/13 10:02:41, 0.2
723, 2017/06/13 10:02:51, 0.2
724, 2017/06/13 10:03:01, 0.2
725, 2017/06/13 10:03:11, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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726, 2017/06/13 10:03:21, 0.2
727, 2017/06/13 10:03:31, 0.2
728, 2017/06/13 10:03:41, 0.2
729, 2017/06/13 10:03:51, 0.2
730, 2017/06/13 10:04:01, 0.2
731, 2017/06/13 10:04:11, 0.2
732, 2017/06/13 10:04:21, 0.2
733, 2017/06/13 10:04:31, 0.2
734, 2017/06/13 10:04:41, 0.2
735, 2017/06/13 10:04:51, 0.2
736, 2017/06/13 10:05:01, 0.2
737, 2017/06/13 10:05:11, 0.2
738, 2017/06/13 10:05:21, 0.2
739, 2017/06/13 10:05:31, 0.2
740, 2017/06/13 10:05:41, 0.2
741, 2017/06/13 10:05:51, 0.2
742, 2017/06/13 10:06:01, 0.2
743, 2017/06/13 10:06:11, 0.2
744, 2017/06/13 10:06:21, 0.2
745, 2017/06/13 10:06:31, 0.1
746, 2017/06/13 10:06:41, 0.2
747, 2017/06/13 10:06:51, 0.2
748, 2017/06/13 10:07:01, 0.2
749, 2017/06/13 10:07:11, 0.1
750, 2017/06/13 10:07:21, 0.1
751, 2017/06/13 10:07:31, 0.2
752, 2017/06/13 10:07:41, 0.2
753, 2017/06/13 10:07:51, 0.2
754, 2017/06/13 10:08:01, 0.2
755, 2017/06/13 10:08:11, 0.2
756, 2017/06/13 10:08:21, 0.2
757, 2017/06/13 10:08:31, 0.2
758, 2017/06/13 10:08:41, 0.2
759, 2017/06/13 10:08:51, 0.2
760, 2017/06/13 10:09:01, 0.2
761, 2017/06/13 10:09:11, 0.2
762, 2017/06/13 10:09:21, 0.2
763, 2017/06/13 10:09:31, 0.2
764, 2017/06/13 10:09:41, 0.2
765, 2017/06/13 10:09:51, 0.2
766, 2017/06/13 10:10:01, 0.2
767, 2017/06/13 10:10:11, 0.2
768, 2017/06/13 10:10:21, 0.2
769, 2017/06/13 10:10:31, 0.2
770, 2017/06/13 10:10:41, 0.2
771, 2017/06/13 10:10:51, 0.2
772, 2017/06/13 10:11:01, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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773, 2017/06/13 10:11:11, 0.2
774, 2017/06/13 10:11:21, 0.2
775, 2017/06/13 10:11:31, 0.2
776, 2017/06/13 10:11:41, 0.2
777, 2017/06/13 10:11:51, 0.2
778, 2017/06/13 10:12:01, 0.2
779, 2017/06/13 10:12:11, 0.2
780, 2017/06/13 10:12:21, 0.1
781, 2017/06/13 10:12:31, 0.1
782, 2017/06/13 10:12:41, 0.1
783, 2017/06/13 10:12:51, 0.1
784, 2017/06/13 10:13:01, 0.2
785, 2017/06/13 10:13:11, 0.1
786, 2017/06/13 10:13:21, 0.2
787, 2017/06/13 10:13:31, 0.2
788, 2017/06/13 10:13:41, 0.2
789, 2017/06/13 10:13:51, 0.2
790, 2017/06/13 10:14:01, 0.2
791, 2017/06/13 10:14:11, 0.1
792, 2017/06/13 10:14:21, 0.2
793, 2017/06/13 10:14:31, 0.2
794, 2017/06/13 10:14:41, 0.1
795, 2017/06/13 10:14:51, 0.1
796, 2017/06/13 10:15:01, 0.2
797, 2017/06/13 10:15:11, 0.2
798, 2017/06/13 10:15:21, 0.1
799, 2017/06/13 10:15:31, 0.2
800, 2017/06/13 10:15:41, 0.2
801, 2017/06/13 10:15:51, 0.2
802, 2017/06/13 10:16:01, 0.2
803, 2017/06/13 10:16:11, 0.2
804, 2017/06/13 10:16:21, 0.2
805, 2017/06/13 10:16:31, 0.2
806, 2017/06/13 10:16:41, 0.2
807, 2017/06/13 10:16:51, 0.2
808, 2017/06/13 10:17:01, 0.2
809, 2017/06/13 10:17:11, 0.2
810, 2017/06/13 10:17:21, 0.2
811, 2017/06/13 10:17:31, 0.2
812, 2017/06/13 10:17:41, 0.2
813, 2017/06/13 10:17:51, 0.2
814, 2017/06/13 10:18:01, 0.2
815, 2017/06/13 10:18:11, 0.2
816, 2017/06/13 10:18:21, 0.2
817, 2017/06/13 10:18:31, 0.2
818, 2017/06/13 10:18:41, 0.2
819, 2017/06/13 10:18:51, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

820, 2017/06/13 10:19:01, 0.2
821, 2017/06/13 10:19:11, 0.2
822, 2017/06/13 10:19:21, 0.2
823, 2017/06/13 10:19:31, 0.2
824, 2017/06/13 10:19:41, 0.2
825, 2017/06/13 10:19:51, 0.2
826, 2017/06/13 10:20:01, 0.2
827, 2017/06/13 10:20:11, 0.2
828, 2017/06/13 10:20:21, 0.2
829, 2017/06/13 10:20:31, 0.2
830, 2017/06/13 10:20:41, 0.2
831, 2017/06/13 10:20:51, 0.2
832, 2017/06/13 10:21:01, 0.2
833, 2017/06/13 10:21:11, 0.2
834, 2017/06/13 10:21:21, 0.2
835, 2017/06/13 10:21:31, 0.2
836, 2017/06/13 10:21:41, 0.1
837, 2017/06/13 10:21:51, 0.1
838, 2017/06/13 10:22:01, 0.2
839, 2017/06/13 10:22:11, 0.2
840, 2017/06/13 10:22:21, 0.2
841, 2017/06/13 10:22:31, 0.2
842, 2017/06/13 10:22:41, 0.2
843, 2017/06/13 10:22:51, 0.2
844, 2017/06/13 10:23:01, 0.2
845, 2017/06/13 10:23:11, 0.2
846, 2017/06/13 10:23:21, 0.2
847, 2017/06/13 10:23:31, 0.2
848, 2017/06/13 10:23:41, 0.2
849, 2017/06/13 10:23:51, 0.2
850, 2017/06/13 10:24:01, 0.2
851, 2017/06/13 10:24:11, 0.2
852, 2017/06/13 10:24:21, 0.2
853, 2017/06/13 10:24:31, 0.2
854, 2017/06/13 10:24:41, 0.2
855, 2017/06/13 10:24:51, 0.2
856, 2017/06/13 10:25:01, 0.2
857, 2017/06/13 10:25:11, 0.2
858, 2017/06/13 10:25:21, 0.2
859, 2017/06/13 10:25:31, 0.2
860, 2017/06/13 10:25:41, 0.2
861, 2017/06/13 10:25:51, 0.2
862, 2017/06/13 10:26:01, 0.2
863, 2017/06/13 10:26:11, 0.2
864, 2017/06/13 10:26:21, 0.2
865, 2017/06/13 10:26:31, 0.2
866, 2017/06/13 10:26:41, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

867, 2017/06/13 10:26:51, 0.1
868, 2017/06/13 10:27:01, 0.2
869, 2017/06/13 10:27:11, 0.3
870, 2017/06/13 10:27:21, 0.3
871, 2017/06/13 10:27:31, 0.3
872, 2017/06/13 10:27:41, 0.2
873, 2017/06/13 10:27:51, 0.2
874, 2017/06/13 10:28:01, 0.2
875, 2017/06/13 10:28:11, 0.2
876, 2017/06/13 10:28:21, 0.2
877, 2017/06/13 10:28:31, 0.2
878, 2017/06/13 10:28:41, 0.2
879, 2017/06/13 10:28:51, 0.2
880, 2017/06/13 10:29:01, 0.2
881, 2017/06/13 10:29:11, 0.2
882, 2017/06/13 10:29:21, 0.2
883, 2017/06/13 10:29:31, 0.2
884, 2017/06/13 10:29:41, 0.2
885, 2017/06/13 10:29:51, 0.2
886, 2017/06/13 10:30:01, 0.2
887, 2017/06/13 10:30:11, 0.3
888, 2017/06/13 10:30:21, 0.2
889, 2017/06/13 10:30:31, 0.2
890, 2017/06/13 10:30:41, 0.2
891, 2017/06/13 10:30:51, 0.2
892, 2017/06/13 10:31:01, 0.2
893, 2017/06/13 10:31:11, 0.2
894, 2017/06/13 10:31:21, 0.2
895, 2017/06/13 10:31:31, 0.2
896, 2017/06/13 10:31:41, 0.2
897, 2017/06/13 10:31:51, 0.2
898, 2017/06/13 10:32:01, 0.2
899, 2017/06/13 10:32:11, 0.2
900, 2017/06/13 10:32:21, 0.2
901, 2017/06/13 10:32:31, 0.2
902, 2017/06/13 10:32:41, 0.2
903, 2017/06/13 10:32:51, 0.2
904, 2017/06/13 10:33:01, 0.2
905, 2017/06/13 10:33:11, 0.2
906, 2017/06/13 10:33:21, 0.2
907, 2017/06/13 10:33:31, 0.2
908, 2017/06/13 10:33:41, 0.2
909, 2017/06/13 10:33:51, 0.2
910, 2017/06/13 10:34:01, 0.2
911, 2017/06/13 10:34:11, 0.3
912, 2017/06/13 10:34:21, 0.3
913, 2017/06/13 10:34:31, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

914, 2017/06/13 10:34:41, 0.2
915, 2017/06/13 10:34:51, 0.2
916, 2017/06/13 10:35:01, 0.3
917, 2017/06/13 10:35:11, 0.3
918, 2017/06/13 10:35:21, 0.2
919, 2017/06/13 10:35:31, 0.2
920, 2017/06/13 10:35:41, 0.2
921, 2017/06/13 10:35:51, 0.2
922, 2017/06/13 10:36:01, 0.2
923, 2017/06/13 10:36:11, 0.3
924, 2017/06/13 10:36:21, 0.3
925, 2017/06/13 10:36:31, 0.2
926, 2017/06/13 10:36:41, 0.2
927, 2017/06/13 10:36:51, 0.2
928, 2017/06/13 10:37:01, 0.2
929, 2017/06/13 10:37:11, 0.2
930, 2017/06/13 10:37:21, 0.2
931, 2017/06/13 10:37:31, 0.2
932, 2017/06/13 10:37:41, 0.2
933, 2017/06/13 10:37:51, 0.2
934, 2017/06/13 10:38:01, 0.2
935, 2017/06/13 10:38:11, 0.2
936, 2017/06/13 10:38:21, 0.2
937, 2017/06/13 10:38:31, 0.1
938, 2017/06/13 10:38:41, 0.2
939, 2017/06/13 10:38:51, 0.1
940, 2017/06/13 10:39:01, 0.2
941, 2017/06/13 10:39:11, 0.2
942, 2017/06/13 10:39:21, 0.2
943, 2017/06/13 10:39:31, 0.1
944, 2017/06/13 10:39:41, 0.1
945, 2017/06/13 10:39:51, 0.1
946, 2017/06/13 10:40:01, 0.1
947, 2017/06/13 10:40:11, 0.2
948, 2017/06/13 10:40:21, 0.2
949, 2017/06/13 10:40:31, 0.1
950, 2017/06/13 10:40:41, 0.2
951, 2017/06/13 10:40:51, 0.1
952, 2017/06/13 10:41:01, 0.1
953, 2017/06/13 10:41:11, 0.1
954, 2017/06/13 10:41:21, 0.1
955, 2017/06/13 10:41:31, 0.1
956, 2017/06/13 10:41:41, 0.1
957, 2017/06/13 10:41:51, 0.1
958, 2017/06/13 10:42:01, 0.1
959, 2017/06/13 10:42:11, 0.1
960, 2017/06/13 10:42:21, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

961, 2017/06/13 10:42:31, 0.2
962, 2017/06/13 10:42:41, 0.1
963, 2017/06/13 10:42:51, 0.1
964, 2017/06/13 10:43:01, 0.1
965, 2017/06/13 10:43:11, 0.1
966, 2017/06/13 10:43:21, 0.2
967, 2017/06/13 10:43:31, 0.2
968, 2017/06/13 10:43:41, 0.2
969, 2017/06/13 10:43:51, 0.2
970, 2017/06/13 10:44:01, 0.2
971, 2017/06/13 10:44:11, 0.2
972, 2017/06/13 10:44:21, 0.2
973, 2017/06/13 10:44:31, 0.2
974, 2017/06/13 10:44:41, 0.2
975, 2017/06/13 10:44:51, 0.2
976, 2017/06/13 10:45:01, 0.2
977, 2017/06/13 10:45:11, 0.2
978, 2017/06/13 10:45:21, 0.2
979, 2017/06/13 10:45:31, 0.2
980, 2017/06/13 10:45:41, 0.2
981, 2017/06/13 10:45:51, 0.2
982, 2017/06/13 10:46:01, 0.2
983, 2017/06/13 10:46:11, 0.2
984, 2017/06/13 10:46:21, 0.2
985, 2017/06/13 10:46:31, 0.3
986, 2017/06/13 10:46:41, 0.2
987, 2017/06/13 10:46:51, 0.2
988, 2017/06/13 10:47:01, 0.2
989, 2017/06/13 10:47:11, 0.2
990, 2017/06/13 10:47:21, 0.2
991, 2017/06/13 10:47:31, 0.2
992, 2017/06/13 10:47:41, 0.2
993, 2017/06/13 10:47:51, 0.2
994, 2017/06/13 10:48:01, 0.2
995, 2017/06/13 10:48:11, 0.2
996, 2017/06/13 10:48:21, 0.2
997, 2017/06/13 10:48:31, 0.2
998, 2017/06/13 10:48:41, 0.2
999, 2017/06/13 10:48:51, 0.2
1000, 2017/06/13 10:49:01, 0.2
1001, 2017/06/13 10:49:11, 0.2
1002, 2017/06/13 10:49:21, 0.2
1003, 2017/06/13 10:49:31, 0.2
1004, 2017/06/13 10:49:41, 0.2
1005, 2017/06/13 10:49:51, 0.2
1006, 2017/06/13 10:50:01, 0.2
1007, 2017/06/13 10:50:11, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

1008, 2017/06/13 10:50:21, 0.2
1009, 2017/06/13 10:50:31, 0.2
1010, 2017/06/13 10:50:41, 0.2
1011, 2017/06/13 10:50:51, 0.2
1012, 2017/06/13 10:51:01, 0.2
1013, 2017/06/13 10:51:11, 0.2
1014, 2017/06/13 10:51:21, 0.2
1015, 2017/06/13 10:51:31, 0.2
1016, 2017/06/13 10:51:41, 0.2
1017, 2017/06/13 10:51:51, 0.2
1018, 2017/06/13 10:52:01, 0.2
1019, 2017/06/13 10:52:11, 0.2
1020, 2017/06/13 10:52:21, 0.2
1021, 2017/06/13 10:52:31, 0.2
1022, 2017/06/13 10:52:41, 0.2
1023, 2017/06/13 10:52:51, 0.2
1024, 2017/06/13 10:53:01, 0.2
1025, 2017/06/13 10:53:11, 0.2
1026, 2017/06/13 10:53:21, 0.3
1027, 2017/06/13 10:53:31, 0.2
1028, 2017/06/13 10:53:41, 0.2
1029, 2017/06/13 10:53:51, 0.2
1030, 2017/06/13 10:54:01, 0.2
1031, 2017/06/13 10:54:11, 0.2
1032, 2017/06/13 10:54:21, 0.2
1033, 2017/06/13 10:54:31, 0.2
1034, 2017/06/13 10:54:41, 0.2
1035, 2017/06/13 10:54:51, 0.2
1036, 2017/06/13 10:55:01, 0.2
1037, 2017/06/13 10:55:11, 0.2
1038, 2017/06/13 10:55:21, 0.2
1039, 2017/06/13 10:55:31, 0.2
1040, 2017/06/13 10:55:41, 0.2
1041, 2017/06/13 10:55:51, 0.2
1042, 2017/06/13 10:56:01, 0.2
1043, 2017/06/13 10:56:11, 0.2
1044, 2017/06/13 10:56:21, 0.2
1045, 2017/06/13 10:56:31, 0.2
1046, 2017/06/13 10:56:41, 0.2
1047, 2017/06/13 10:56:51, 0.2
1048, 2017/06/13 10:57:01, 0.2
1049, 2017/06/13 10:57:11, 0.2
1050, 2017/06/13 10:57:21, 0.2
1051, 2017/06/13 10:57:31, 0.2
1052, 2017/06/13 10:57:41, 0.2
1053, 2017/06/13 10:57:51, 0.3
1054, 2017/06/13 10:58:01, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

1055, 2017/06/13 10:58:11, 0.2
1056, 2017/06/13 10:58:21, 0.2
1057, 2017/06/13 10:58:31, 0.2
1058, 2017/06/13 10:58:41, 0.2
1059, 2017/06/13 10:58:51, 0.2
1060, 2017/06/13 10:59:01, 0.2
1061, 2017/06/13 10:59:11, 0.3
1062, 2017/06/13 10:59:21, 0.2
1063, 2017/06/13 10:59:31, 0.2
1064, 2017/06/13 10:59:41, 0.2
1065, 2017/06/13 10:59:51, 0.3
1066, 2017/06/13 11:00:01, 0.2
1067, 2017/06/13 11:00:11, 0.2
1068, 2017/06/13 11:00:21, 0.2
1069, 2017/06/13 11:00:31, 0.2
1070, 2017/06/13 11:00:41, 0.2
1071, 2017/06/13 11:00:51, 0.2
1072, 2017/06/13 11:01:01, 0.2
1073, 2017/06/13 11:01:11, 0.3
1074, 2017/06/13 11:01:21, 0.2
1075, 2017/06/13 11:01:31, 0.2
1076, 2017/06/13 11:01:41, 0.2
1077, 2017/06/13 11:01:51, 0.2
1078, 2017/06/13 11:02:01, 0.2
1079, 2017/06/13 11:02:11, 0.2
1080, 2017/06/13 11:02:21, 0.2
1081, 2017/06/13 11:02:31, 0.2
1082, 2017/06/13 11:02:41, 0.2
1083, 2017/06/13 11:02:51, 0.2
1084, 2017/06/13 11:03:01, 0.2
1085, 2017/06/13 11:03:11, 0.2
1086, 2017/06/13 11:03:21, 0.3
1087, 2017/06/13 11:03:31, 0.3
1088, 2017/06/13 11:03:41, 0.3
1089, 2017/06/13 11:03:51, 0.3
1090, 2017/06/13 11:04:01, 0.2
1091, 2017/06/13 11:04:11, 0.2
1092, 2017/06/13 11:04:21, 0.2
1093, 2017/06/13 11:04:31, 0.2
1094, 2017/06/13 11:04:41, 0.2
1095, 2017/06/13 11:04:51, 0.2
1096, 2017/06/13 11:05:01, 0.2
1097, 2017/06/13 11:05:11, 0.2
1098, 2017/06/13 11:05:21, 0.2
1099, 2017/06/13 11:05:31, 0.2
1100, 2017/06/13 11:05:41, 0.2
1101, 2017/06/13 11:05:51, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

1102, 2017/06/13 11:06:01, 0.2
1103, 2017/06/13 11:06:11, 0.2
1104, 2017/06/13 11:06:21, 0.2
1105, 2017/06/13 11:06:31, 0.2
1106, 2017/06/13 11:06:41, 0.3
1107, 2017/06/13 11:06:51, 0.2
1108, 2017/06/13 11:07:01, 0.2
1109, 2017/06/13 11:07:11, 0.2
1110, 2017/06/13 11:07:21, 0.2
1111, 2017/06/13 11:07:31, 0.2
1112, 2017/06/13 11:07:41, 0.3
1113, 2017/06/13 11:07:51, 0.2
1114, 2017/06/13 11:08:01, 0.2
1115, 2017/06/13 11:08:11, 0.2
1116, 2017/06/13 11:08:21, 0.3
1117, 2017/06/13 11:08:31, 0.2
1118, 2017/06/13 11:08:41, 0.2
1119, 2017/06/13 11:08:51, 0.2
1120, 2017/06/13 11:09:01, 0.2
1121, 2017/06/13 11:09:11, 0.2
1122, 2017/06/13 11:09:21, 0.2
1123, 2017/06/13 11:09:31, 0.2
1124, 2017/06/13 11:09:41, 0.2
1125, 2017/06/13 11:09:51, 0.2
1126, 2017/06/13 11:10:01, 0.2
1127, 2017/06/13 11:10:11, 0.2
1128, 2017/06/13 11:10:21, 0.2
1129, 2017/06/13 11:10:31, 0.2
1130, 2017/06/13 11:10:41, 0.2
1131, 2017/06/13 11:10:51, 0.3
1132, 2017/06/13 11:11:01, 0.3
1133, 2017/06/13 11:11:11, 0.2
1134, 2017/06/13 11:11:21, 0.2
1135, 2017/06/13 11:11:31, 0.2
1136, 2017/06/13 11:11:41, 0.2
1137, 2017/06/13 11:11:51, 0.2
1138, 2017/06/13 11:12:01, 0.2
1139, 2017/06/13 11:12:11, 0.2
1140, 2017/06/13 11:12:21, 0.2
1141, 2017/06/13 11:12:31, 0.2
1142, 2017/06/13 11:12:41, 0.2
1143, 2017/06/13 11:12:51, 0.2
1144, 2017/06/13 11:13:01, 0.2
1145, 2017/06/13 11:13:11, 0.2
1146, 2017/06/13 11:13:21, 0.2
1147, 2017/06/13 11:13:31, 0.2
1148, 2017/06/13 11:13:41, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

1149, 2017/06/13 11:13:51, 0.2
1150, 2017/06/13 11:14:01, 0.2
1151, 2017/06/13 11:14:11, 0.2
1152, 2017/06/13 11:14:21, 0.2
1153, 2017/06/13 11:14:31, 0.2
1154, 2017/06/13 11:14:41, 0.2
1155, 2017/06/13 11:14:51, 0.3
1156, 2017/06/13 11:15:01, 0.3
1157, 2017/06/13 11:15:11, 0.2
1158, 2017/06/13 11:15:21, 0.2
1159, 2017/06/13 11:15:31, 0.3
1160, 2017/06/13 11:15:41, 0.3
1161, 2017/06/13 11:15:51, 0.3
1162, 2017/06/13 11:16:01, 0.3
1163, 2017/06/13 11:16:11, 0.2
1164, 2017/06/13 11:16:21, 0.3
1165, 2017/06/13 11:16:31, 0.3
1166, 2017/06/13 11:16:41, 0.2
1167, 2017/06/13 11:16:51, 0.2
1168, 2017/06/13 11:17:01, 0.3
1169, 2017/06/13 11:17:11, 0.2
1170, 2017/06/13 11:17:21, 0.2
1171, 2017/06/13 11:17:31, 0.2
1172, 2017/06/13 11:17:41, 0.2
1173, 2017/06/13 11:17:51, 0.2
1174, 2017/06/13 11:18:01, 0.2
1175, 2017/06/13 11:18:11, 0.2
1176, 2017/06/13 11:18:21, 0.2
1177, 2017/06/13 11:18:31, 0.2
1178, 2017/06/13 11:18:41, 0.2
1179, 2017/06/13 11:18:51, 0.2
1180, 2017/06/13 11:19:01, 0.2
1181, 2017/06/13 11:19:11, 0.2
1182, 2017/06/13 11:19:21, 0.2
1183, 2017/06/13 11:19:31, 0.2
1184, 2017/06/13 11:19:41, 0.2
1185, 2017/06/13 11:19:51, 0.2
1186, 2017/06/13 11:20:01, 0.2
1187, 2017/06/13 11:20:11, 0.2
1188, 2017/06/13 11:20:21, 0.2
1189, 2017/06/13 11:20:31, 0.2
1190, 2017/06/13 11:20:41, 0.2
1191, 2017/06/13 11:20:51, 0.2
1192, 2017/06/13 11:21:01, 0.2
1193, 2017/06/13 11:21:11, 0.2
1194, 2017/06/13 11:21:21, 0.3
1195, 2017/06/13 11:21:31, 0.3

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

1196, 2017/06/13 11:21:41, 0.2
1197, 2017/06/13 11:21:51, 0.2
1198, 2017/06/13 11:22:01, 0.2
1199, 2017/06/13 11:22:11, 0.2
1200, 2017/06/13 11:22:21, 0.2
1201, 2017/06/13 11:22:31, 0.2
1202, 2017/06/13 11:22:41, 0.2
1203, 2017/06/13 11:22:51, 0.2
1204, 2017/06/13 11:23:01, 0.2
1205, 2017/06/13 11:23:11, 0.2
1206, 2017/06/13 11:23:21, 0.2
1207, 2017/06/13 11:23:31, 0.2
1208, 2017/06/13 11:23:41, 0.2
1209, 2017/06/13 11:23:51, 0.2
1210, 2017/06/13 11:24:01, 0.2
1211, 2017/06/13 11:24:11, 0.2
1212, 2017/06/13 11:24:21, 0.3
1213, 2017/06/13 11:24:31, 0.2
1214, 2017/06/13 11:24:41, 0.2
1215, 2017/06/13 11:24:51, 0.2
1216, 2017/06/13 11:25:01, 0.2
1217, 2017/06/13 11:25:11, 0.2
1218, 2017/06/13 11:25:21, 0.2
1219, 2017/06/13 11:25:31, 0.2
1220, 2017/06/13 11:25:41, 0.2
1221, 2017/06/13 11:25:51, 0.2
1222, 2017/06/13 11:26:01, 0.2
1223, 2017/06/13 11:26:11, 0.2
1224, 2017/06/13 11:26:21, 0.2
1225, 2017/06/13 11:26:31, 0.2
1226, 2017/06/13 11:26:41, 0.2
1227, 2017/06/13 11:26:51, 0.2
1228, 2017/06/13 11:27:01, 0.2
1229, 2017/06/13 11:27:11, 0.2
1230, 2017/06/13 11:27:21, 0.2
1231, 2017/06/13 11:27:31, 0.2
1232, 2017/06/13 11:27:41, 0.2
1233, 2017/06/13 11:27:51, 0.2
1234, 2017/06/13 11:28:01, 0.2
1235, 2017/06/13 11:28:11, 0.2
1236, 2017/06/13 11:28:21, 0.2
1237, 2017/06/13 11:28:31, 0.2
1238, 2017/06/13 11:28:41, 0.2
1239, 2017/06/13 11:28:51, 0.2
1240, 2017/06/13 11:29:01, 0.2
1241, 2017/06/13 11:29:11, 0.2
1242, 2017/06/13 11:29:21, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

1243, 2017/06/13 11:29:31, 0.2
1244, 2017/06/13 11:29:41, 0.2
1245, 2017/06/13 11:29:51, 0.2
1246, 2017/06/13 11:30:01, 0.2
1247, 2017/06/13 11:30:11, 0.2
1248, 2017/06/13 11:30:21, 0.2
1249, 2017/06/13 11:30:31, 0.2
1250, 2017/06/13 11:30:41, 0.2
1251, 2017/06/13 11:30:51, 0.2
1252, 2017/06/13 11:31:01, 0.2
1253, 2017/06/13 11:31:11, 0.2
1254, 2017/06/13 11:31:21, 0.2
1255, 2017/06/13 11:31:31, 0.2
1256, 2017/06/13 11:31:41, 0.2
1257, 2017/06/13 11:31:51, 0.2
1258, 2017/06/13 11:32:01, 0.2
1259, 2017/06/13 11:32:11, 0.2
1260, 2017/06/13 11:32:21, 0.2
1261, 2017/06/13 11:32:31, 0.2
1262, 2017/06/13 11:32:41, 0.2
1263, 2017/06/13 11:32:51, 0.2
1264, 2017/06/13 11:33:01, 0.2
1265, 2017/06/13 11:33:11, 0.2
1266, 2017/06/13 11:33:21, 0.2
1267, 2017/06/13 11:33:31, 0.2
1268, 2017/06/13 11:33:41, 0.2
1269, 2017/06/13 11:33:51, 0.2
1270, 2017/06/13 11:34:01, 0.2
1271, 2017/06/13 11:34:11, 0.2
1272, 2017/06/13 11:34:21, 0.2
1273, 2017/06/13 11:34:31, 0.2
1274, 2017/06/13 11:34:41, 0.2
1275, 2017/06/13 11:34:51, 0.2
1276, 2017/06/13 11:35:01, 0.2
1277, 2017/06/13 11:35:11, 0.2
1278, 2017/06/13 11:35:21, 0.2
1279, 2017/06/13 11:35:31, 0.2
1280, 2017/06/13 11:35:41, 0.2
1281, 2017/06/13 11:35:51, 0.2
1282, 2017/06/13 11:36:01, 0.2
1283, 2017/06/13 11:36:11, 0.2
1284, 2017/06/13 11:36:21, 0.2
1285, 2017/06/13 11:36:31, 0.2
1286, 2017/06/13 11:36:41, 0.3
1287, 2017/06/13 11:36:51, 0.2
1288, 2017/06/13 11:37:01, 0.2
1289, 2017/06/13 11:37:11, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

1290, 2017/06/13 11:37:21, 0.3
1291, 2017/06/13 11:37:31, 0.3
1292, 2017/06/13 11:37:41, 0.2
1293, 2017/06/13 11:37:51, 0.2
1294, 2017/06/13 11:38:01, 0.2
1295, 2017/06/13 11:38:11, 0.3
1296, 2017/06/13 11:38:21, 0.3
1297, 2017/06/13 11:38:31, 0.2
1298, 2017/06/13 11:38:41, 0.2
1299, 2017/06/13 11:38:51, 0.2
1300, 2017/06/13 11:39:01, 0.2
1301, 2017/06/13 11:39:11, 0.2
1302, 2017/06/13 11:39:21, 0.2
1303, 2017/06/13 11:39:31, 0.3
1304, 2017/06/13 11:39:41, 0.2
1305, 2017/06/13 11:39:51, 0.2
1306, 2017/06/13 11:40:01, 0.2
1307, 2017/06/13 11:40:11, 0.2
1308, 2017/06/13 11:40:21, 0.2
1309, 2017/06/13 11:40:31, 0.2
1310, 2017/06/13 11:40:41, 0.2
1311, 2017/06/13 11:40:51, 0.2
1312, 2017/06/13 11:41:01, 0.2
1313, 2017/06/13 11:41:11, 0.2
1314, 2017/06/13 11:41:21, 0.2
1315, 2017/06/13 11:41:31, 0.2
1316, 2017/06/13 11:41:41, 0.2
1317, 2017/06/13 11:41:51, 0.2
1318, 2017/06/13 11:42:01, 0.2
1319, 2017/06/13 11:42:11, 0.2
1320, 2017/06/13 11:42:21, 0.2
1321, 2017/06/13 11:42:31, 0.2
1322, 2017/06/13 11:42:41, 0.2
1323, 2017/06/13 11:42:51, 0.2
1324, 2017/06/13 11:43:01, 0.2
1325, 2017/06/13 11:43:11, 0.2
1326, 2017/06/13 11:43:21, 0.2
1327, 2017/06/13 11:43:31, 0.2
1328, 2017/06/13 11:43:41, 0.2
1329, 2017/06/13 11:43:51, 0.2
1330, 2017/06/13 11:44:01, 0.2
1331, 2017/06/13 11:44:11, 0.2
1332, 2017/06/13 11:44:21, 0.2
1333, 2017/06/13 11:44:31, 0.2
1334, 2017/06/13 11:44:41, 0.2
1335, 2017/06/13 11:44:51, 0.2
1336, 2017/06/13 11:45:01, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

1337, 2017/06/13 11:45:11, 0.3
1338, 2017/06/13 11:45:21, 0.2
1339, 2017/06/13 11:45:31, 0.2
1340, 2017/06/13 11:45:41, 0.2
1341, 2017/06/13 11:45:51, 0.2
1342, 2017/06/13 11:46:01, 0.2
1343, 2017/06/13 11:46:11, 0.2
1344, 2017/06/13 11:46:21, 0.2
1345, 2017/06/13 11:46:31, 0.2
1346, 2017/06/13 11:46:41, 0.2
1347, 2017/06/13 11:46:51, 0.2
1348, 2017/06/13 11:47:01, 0.2
1349, 2017/06/13 11:47:11, 0.2
1350, 2017/06/13 11:47:21, 0.2
1351, 2017/06/13 11:47:31, 0.2
1352, 2017/06/13 11:47:41, 0.2
1353, 2017/06/13 11:47:51, 0.2
1354, 2017/06/13 11:48:01, 0.2
1355, 2017/06/13 11:48:11, 0.2
1356, 2017/06/13 11:48:21, 0.2
1357, 2017/06/13 11:48:31, 0.2
1358, 2017/06/13 11:48:41, 0.3
1359, 2017/06/13 11:48:51, 0.2
1360, 2017/06/13 11:49:01, 0.2
1361, 2017/06/13 11:49:11, 0.2
1362, 2017/06/13 11:49:21, 0.2
1363, 2017/06/13 11:49:31, 0.2
1364, 2017/06/13 11:49:41, 0.2
1365, 2017/06/13 11:49:51, 0.2
1366, 2017/06/13 11:50:01, 0.2
1367, 2017/06/13 11:50:11, 0.2
1368, 2017/06/13 11:50:21, 0.2
1369, 2017/06/13 11:50:31, 0.2
1370, 2017/06/13 11:50:41, 0.2
1371, 2017/06/13 11:50:51, 0.2
1372, 2017/06/13 11:51:01, 0.2
1373, 2017/06/13 11:51:11, 0.2
1374, 2017/06/13 11:51:21, 0.2
1375, 2017/06/13 11:51:31, 0.2
1376, 2017/06/13 11:51:41, 0.2
1377, 2017/06/13 11:51:51, 0.2
1378, 2017/06/13 11:52:01, 0.2
1379, 2017/06/13 11:52:11, 0.2
1380, 2017/06/13 11:52:21, 0.2
1381, 2017/06/13 11:52:31, 0.2
1382, 2017/06/13 11:52:41, 0.2
1383, 2017/06/13 11:52:51, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

1384, 2017/06/13 11:53:01, 0.2
1385, 2017/06/13 11:53:11, 0.2
1386, 2017/06/13 11:53:21, 0.2
1387, 2017/06/13 11:53:31, 0.2
1388, 2017/06/13 11:53:41, 0.2
1389, 2017/06/13 11:53:51, 0.2
1390, 2017/06/13 11:54:01, 0.2
1391, 2017/06/13 11:54:11, 0.2
1392, 2017/06/13 11:54:21, 0.2
1393, 2017/06/13 11:54:31, 0.2
1394, 2017/06/13 11:54:41, 0.2
1395, 2017/06/13 11:54:51, 0.3
1396, 2017/06/13 11:55:01, 0.2
1397, 2017/06/13 11:55:11, 0.2
1398, 2017/06/13 11:55:21, 0.2
1399, 2017/06/13 11:55:31, 0.2
1400, 2017/06/13 11:55:41, 0.2
1401, 2017/06/13 11:55:51, 0.2
1402, 2017/06/13 11:56:01, 0.2
1403, 2017/06/13 11:56:11, 0.2
1404, 2017/06/13 11:56:21, 0.2
1405, 2017/06/13 11:56:31, 0.2
1406, 2017/06/13 11:56:41, 0.2
1407, 2017/06/13 11:56:51, 0.2
1408, 2017/06/13 11:57:01, 0.2
1409, 2017/06/13 11:57:11, 0.2
1410, 2017/06/13 11:57:21, 0.2
1411, 2017/06/13 11:57:31, 0.2
1412, 2017/06/13 11:57:41, 0.2
1413, 2017/06/13 11:57:51, 0.2
1414, 2017/06/13 11:58:01, 0.2
1415, 2017/06/13 11:58:11, 0.2
1416, 2017/06/13 11:58:21, 0.2
1417, 2017/06/13 11:58:31, 0.2
1418, 2017/06/13 11:58:41, 0.2
1419, 2017/06/13 11:58:51, 0.2
1420, 2017/06/13 11:59:01, 0.2
1421, 2017/06/13 11:59:11, 0.2
1422, 2017/06/13 11:59:21, 0.2
1423, 2017/06/13 11:59:31, 0.2
1424, 2017/06/13 11:59:41, 0.2
1425, 2017/06/13 11:59:51, 0.2
1426, 2017/06/13 12:00:01, 0.2
1427, 2017/06/13 12:00:11, 0.2
1428, 2017/06/13 12:00:21, 0.2
1429, 2017/06/13 12:00:31, 0.2
1430, 2017/06/13 12:00:41, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

1431, 2017/06/13 12:00:51, 0.2
1432, 2017/06/13 12:01:01, 0.2
1433, 2017/06/13 12:01:11, 0.2
1434, 2017/06/13 12:01:21, 0.2
1435, 2017/06/13 12:01:31, 0.2
1436, 2017/06/13 12:01:41, 0.2
1437, 2017/06/13 12:01:51, 0.2
1438, 2017/06/13 12:02:01, 0.2
1439, 2017/06/13 12:02:11, 0.2
1440, 2017/06/13 12:02:21, 0.2
1441, 2017/06/13 12:02:31, 0.2
1442, 2017/06/13 12:02:41, 0.2
1443, 2017/06/13 12:02:51, 0.2
1444, 2017/06/13 12:03:01, 0.2
1445, 2017/06/13 12:03:11, 0.2
1446, 2017/06/13 12:03:21, 0.2
1447, 2017/06/13 12:03:31, 0.2
1448, 2017/06/13 12:03:41, 0.2
1449, 2017/06/13 12:03:51, 0.2
1450, 2017/06/13 12:04:01, 0.2
1451, 2017/06/13 12:04:11, 0.2
1452, 2017/06/13 12:04:21, 0.2
1453, 2017/06/13 12:04:31, 0.2
1454, 2017/06/13 12:04:41, 0.2
1455, 2017/06/13 12:04:51, 0.2
1456, 2017/06/13 12:05:01, 0.2
1457, 2017/06/13 12:05:11, 0.2
1458, 2017/06/13 12:05:21, 0.2
1459, 2017/06/13 12:05:31, 0.2
1460, 2017/06/13 12:05:41, 0.2
1461, 2017/06/13 12:05:51, 0.2
1462, 2017/06/13 12:06:01, 0.2
1463, 2017/06/13 12:06:11, 0.2
1464, 2017/06/13 12:06:21, 0.2
1465, 2017/06/13 12:06:31, 0.2
1466, 2017/06/13 12:06:41, 0.2
1467, 2017/06/13 12:06:51, 0.3
1468, 2017/06/13 12:07:01, 0.3
1469, 2017/06/13 12:07:11, 0.2
1470, 2017/06/13 12:07:21, 0.2
1471, 2017/06/13 12:07:31, 0.2
1472, 2017/06/13 12:07:41, 0.3
1473, 2017/06/13 12:07:51, 0.2
1474, 2017/06/13 12:08:01, 0.2
1475, 2017/06/13 12:08:11, 0.2
1476, 2017/06/13 12:08:21, 0.2
1477, 2017/06/13 12:08:31, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

1478, 2017/06/13 12:08:41, 0.2
1479, 2017/06/13 12:08:51, 0.2
1480, 2017/06/13 12:09:01, 0.2
1481, 2017/06/13 12:09:11, 0.2
1482, 2017/06/13 12:09:21, 0.2
1483, 2017/06/13 12:09:31, 0.2
1484, 2017/06/13 12:09:41, 0.2
1485, 2017/06/13 12:09:51, 0.2
1486, 2017/06/13 12:10:01, 0.2
1487, 2017/06/13 12:10:11, 0.2
1488, 2017/06/13 12:10:21, 0.2
1489, 2017/06/13 12:10:31, 0.2
1490, 2017/06/13 12:10:41, 0.2
1491, 2017/06/13 12:10:51, 0.2
1492, 2017/06/13 12:11:01, 0.3
1493, 2017/06/13 12:11:11, 0.3
1494, 2017/06/13 12:11:21, 0.2
1495, 2017/06/13 12:11:31, 0.2
1496, 2017/06/13 12:11:41, 0.2
1497, 2017/06/13 12:11:51, 0.1
1498, 2017/06/13 12:12:01, 0.1
1499, 2017/06/13 12:12:11, 0.1
1500, 2017/06/13 12:12:21, 0.1
1501, 2017/06/13 12:12:31, 0.1
1502, 2017/06/13 12:12:41, 0.1
1503, 2017/06/13 12:12:51, 0.2
1504, 2017/06/13 12:13:01, 0.3
1505, 2017/06/13 12:13:11, 0.2
1506, 2017/06/13 12:13:21, 0.2
1507, 2017/06/13 12:13:31, 0.2
1508, 2017/06/13 12:13:41, 0.2
1509, 2017/06/13 12:13:51, 0.2
1510, 2017/06/13 12:14:01, 0.4
1511, 2017/06/13 12:14:11, 0.2
1512, 2017/06/13 12:14:21, 0.2
1513, 2017/06/13 12:14:31, 0.2
1514, 2017/06/13 12:14:41, 0.2
1515, 2017/06/13 12:14:51, 0.2
1516, 2017/06/13 12:15:01, 0.2
1517, 2017/06/13 12:15:11, 0.2
1518, 2017/06/13 12:15:21, 0.2
1519, 2017/06/13 12:15:31, 0.2
1520, 2017/06/13 12:15:41, 0.2
1521, 2017/06/13 12:15:51, 0.2
1522, 2017/06/13 12:16:01, 0.3
1523, 2017/06/13 12:16:11, 0.2
1524, 2017/06/13 12:16:21, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

1525, 2017/06/13 12:16:31, 0.2
1526, 2017/06/13 12:16:41, 0.2
1527, 2017/06/13 12:16:51, 0.3
1528, 2017/06/13 12:17:01, 0.3
1529, 2017/06/13 12:17:11, 0.2
1530, 2017/06/13 12:17:21, 0.4
1531, 2017/06/13 12:17:31, 0.3
1532, 2017/06/13 12:17:41, 0.3
1533, 2017/06/13 12:17:51, 0.2
1534, 2017/06/13 12:18:01, 0.2
1535, 2017/06/13 12:18:11, 0.2
1536, 2017/06/13 12:18:21, 0.4
1537, 2017/06/13 12:18:31, 0.3
1538, 2017/06/13 12:18:41, 0.4
1539, 2017/06/13 12:18:51, 0.3
1540, 2017/06/13 12:19:01, 0.4
1541, 2017/06/13 12:19:11, 0.3
1542, 2017/06/13 12:19:21, 0.2
1543, 2017/06/13 12:19:31, 0.2
1544, 2017/06/13 12:19:41, 0.2
1545, 2017/06/13 12:19:51, 0.2
1546, 2017/06/13 12:20:01, 0.2
1547, 2017/06/13 12:20:11, 0.2
1548, 2017/06/13 12:20:21, 0.2
1549, 2017/06/13 12:20:31, 0.2
1550, 2017/06/13 12:20:41, 0.2
1551, 2017/06/13 12:20:51, 0.2
1552, 2017/06/13 12:21:01, 0.2
1553, 2017/06/13 12:21:11, 0.3
1554, 2017/06/13 12:21:21, 0.2
1555, 2017/06/13 12:21:31, 0.2
1556, 2017/06/13 12:21:41, 0.2
1557, 2017/06/13 12:21:51, 0.2
1558, 2017/06/13 12:22:01, 0.1
1559, 2017/06/13 12:22:11, 0.2
1560, 2017/06/13 12:22:21, 0.1
1561, 2017/06/13 12:22:31, 0.1
1562, 2017/06/13 12:22:41, 0.2
1563, 2017/06/13 12:22:51, 0.2
1564, 2017/06/13 12:23:01, 0.2
1565, 2017/06/13 12:23:11, 0.1
1566, 2017/06/13 12:23:21, 0.1
1567, 2017/06/13 12:23:31, 0.3
1568, 2017/06/13 12:23:41, 0.2
1569, 2017/06/13 12:23:51, 0.2
1570, 2017/06/13 12:24:01, 0.2
1571, 2017/06/13 12:24:11, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

1572, 2017/06/13 12:24:21, 0.2
1573, 2017/06/13 12:24:31, 0.2
1574, 2017/06/13 12:24:41, 0.2
1575, 2017/06/13 12:24:51, 0.3
1576, 2017/06/13 12:25:01, 0.2
1577, 2017/06/13 12:25:11, 0.2
1578, 2017/06/13 12:25:21, 0.2
1579, 2017/06/13 12:25:31, 0.2
1580, 2017/06/13 12:25:41, 0.2
1581, 2017/06/13 12:25:51, 0.2
1582, 2017/06/13 12:26:01, 0.2
1583, 2017/06/13 12:26:11, 0.2
1584, 2017/06/13 12:26:21, 0.2
1585, 2017/06/13 12:26:31, 0.2
1586, 2017/06/13 12:26:41, 0.2
1587, 2017/06/13 12:26:51, 0.1
1588, 2017/06/13 12:27:01, 0.2
1589, 2017/06/13 12:27:11, 0.1
1590, 2017/06/13 12:27:21, 0.1
1591, 2017/06/13 12:27:31, 0.1
1592, 2017/06/13 12:27:41, 0.1
1593, 2017/06/13 12:27:51, 0.1
1594, 2017/06/13 12:28:01, 0.1
1595, 2017/06/13 12:28:11, 0.2
1596, 2017/06/13 12:28:21, 0.2
1597, 2017/06/13 12:28:31, 0.2
1598, 2017/06/13 12:28:41, 0.2
1599, 2017/06/13 12:28:51, 0.2
1600, 2017/06/13 12:29:01, 0.2
1601, 2017/06/13 12:29:11, 0.2
1602, 2017/06/13 12:29:21, 0.2
1603, 2017/06/13 12:29:31, 0.2
1604, 2017/06/13 12:29:41, 0.2
1605, 2017/06/13 12:29:51, 0.2
1606, 2017/06/13 12:30:01, 0.2
1607, 2017/06/13 12:30:11, 0.2
1608, 2017/06/13 12:30:21, 0.2
1609, 2017/06/13 12:30:31, 0.2
1610, 2017/06/13 12:30:41, 0.2
1611, 2017/06/13 12:30:51, 0.2
1612, 2017/06/13 12:31:01, 0.2
1613, 2017/06/13 12:31:11, 0.2
1614, 2017/06/13 12:31:21, 0.2
1615, 2017/06/13 12:31:31, 0.2
1616, 2017/06/13 12:31:41, 0.2
1617, 2017/06/13 12:31:51, 0.2
1618, 2017/06/13 12:32:01, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

1619, 2017/06/13 12:32:11, 0.2
1620, 2017/06/13 12:32:21, 0.2
1621, 2017/06/13 12:32:31, 0.2
1622, 2017/06/13 12:32:41, 0.2
1623, 2017/06/13 12:32:51, 0.2
1624, 2017/06/13 12:33:01, 0.2
1625, 2017/06/13 12:33:11, 0.2
1626, 2017/06/13 12:33:21, 0.2
1627, 2017/06/13 12:33:31, 0.1
1628, 2017/06/13 12:33:41, 0.2
1629, 2017/06/13 12:33:51, 0.1
1630, 2017/06/13 12:34:01, 0.1
1631, 2017/06/13 12:34:11, 0.1
1632, 2017/06/13 12:34:21, 0.1
1633, 2017/06/13 12:34:31, 0.2
1634, 2017/06/13 12:34:41, 0.1
1635, 2017/06/13 12:34:51, 0.1
1636, 2017/06/13 12:35:01, 0.1
1637, 2017/06/13 12:35:11, 0.2
1638, 2017/06/13 12:35:21, 0.2
1639, 2017/06/13 12:35:31, 0.1
1640, 2017/06/13 12:35:41, 0.1
1641, 2017/06/13 12:35:51, 0.1
1642, 2017/06/13 12:36:01, 0.2
1643, 2017/06/13 12:36:11, 0.2
1644, 2017/06/13 12:36:21, 0.2
1645, 2017/06/13 12:36:31, 0.1
1646, 2017/06/13 12:36:41, 0.1
1647, 2017/06/13 12:36:51, 0.1
1648, 2017/06/13 12:37:01, 0.2
1649, 2017/06/13 12:37:11, 0.2
1650, 2017/06/13 12:37:21, 0.2
1651, 2017/06/13 12:37:31, 0.2
1652, 2017/06/13 12:37:41, 0.2
1653, 2017/06/13 12:37:51, 0.2
1654, 2017/06/13 12:38:01, 0.2
1655, 2017/06/13 12:38:11, 0.2
1656, 2017/06/13 12:38:21, 0.2
1657, 2017/06/13 12:38:31, 0.2
1658, 2017/06/13 12:38:41, 0.2
1659, 2017/06/13 12:38:51, 0.2
1660, 2017/06/13 12:39:01, 0.2
1661, 2017/06/13 12:39:11, 0.2
1662, 2017/06/13 12:39:21, 0.2
1663, 2017/06/13 12:39:31, 0.2
1664, 2017/06/13 12:39:41, 0.1
1665, 2017/06/13 12:39:51, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

1666, 2017/06/13 12:40:01, 0.2
1667, 2017/06/13 12:40:11, 0.2
1668, 2017/06/13 12:40:21, 0.2
1669, 2017/06/13 12:40:31, 0.2
1670, 2017/06/13 12:40:41, 0.2
1671, 2017/06/13 12:40:51, 0.2
1672, 2017/06/13 12:41:01, 0.2
1673, 2017/06/13 12:41:11, 0.2
1674, 2017/06/13 12:41:21, 0.1
1675, 2017/06/13 12:41:31, 0.1
1676, 2017/06/13 12:41:41, 0.1
1677, 2017/06/13 12:41:51, 0.1
1678, 2017/06/13 12:42:01, 0.1
1679, 2017/06/13 12:42:11, 0.1
1680, 2017/06/13 12:42:21, 0.1
1681, 2017/06/13 12:42:31, 0.2
1682, 2017/06/13 12:42:41, 0.2
1683, 2017/06/13 12:42:51, 0.2
1684, 2017/06/13 12:43:01, 0.2
1685, 2017/06/13 12:43:11, 0.2
1686, 2017/06/13 12:43:21, 0.3
1687, 2017/06/13 12:43:31, 0.2
1688, 2017/06/13 12:43:41, 0.2
1689, 2017/06/13 12:43:51, 0.2
1690, 2017/06/13 12:44:01, 0.3
1691, 2017/06/13 12:44:11, 0.2
1692, 2017/06/13 12:44:21, 0.2
1693, 2017/06/13 12:44:31, 0.2
1694, 2017/06/13 12:44:41, 0.2
1695, 2017/06/13 12:44:51, 0.3
1696, 2017/06/13 12:45:01, 0.2
1697, 2017/06/13 12:45:11, 0.2
1698, 2017/06/13 12:45:21, 0.2
1699, 2017/06/13 12:45:31, 0.2
1700, 2017/06/13 12:45:41, 0.2
1701, 2017/06/13 12:45:51, 0.2
1702, 2017/06/13 12:46:01, 0.2
1703, 2017/06/13 12:46:11, 0.2
1704, 2017/06/13 12:46:21, 0.2
1705, 2017/06/13 12:46:31, 0.2
1706, 2017/06/13 12:46:41, 0.2
1707, 2017/06/13 12:46:51, 0.2
1708, 2017/06/13 12:47:01, 0.2
1709, 2017/06/13 12:47:11, 0.2
1710, 2017/06/13 12:47:21, 0.2
1711, 2017/06/13 12:47:31, 0.2
1712, 2017/06/13 12:47:41, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

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1713, 2017/06/13 12:47:51, 0.2
1714, 2017/06/13 12:48:01, 0.2
1715, 2017/06/13 12:48:11, 0.2
1716, 2017/06/13 12:48:21, 0.2
1717, 2017/06/13 12:48:31, 0.2
1718, 2017/06/13 12:48:41, 0.2
1719, 2017/06/13 12:48:51, 0.2
1720, 2017/06/13 12:49:01, 0.2
1721, 2017/06/13 12:49:11, 0.2
Peak, , 0.4
Min, , 0.0
Average, , 0.2

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17/06/13 12:58
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-919032
Unit Firmware Ver	V2.14
Running Mode	Hygiene Mode
Datalog Mode	Manual
Diagnostic Mode	No
Stop Reason	Stop by User
Site ID	RAE00000
User ID	USER0000
Begin	6/13/2017 12:58
End	6/13/2017 13:00
Sample Period(s)	10
Number of Records	11
Sensor	PID(ppm)
Sensor SN	S023030206U3
Measure Type	Avg
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	6/13/2017 7:40

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

Peak	N/A
Min	N/A
Average	N/A

Datalog
, , PID(ppm)
Index, Date/Time, (Avg)
001, 2017/06/13 12:59:03, 0.4
002, 2017/06/13 12:59:13, 0.4
003, 2017/06/13 12:59:23, 0.3
004, 2017/06/13 12:59:33, 0.3
005, 2017/06/13 12:59:43, 0.3
006, 2017/06/13 12:59:53, 0.3
007, 2017/06/13 13:00:03, 0.4
008, 2017/06/13 13:00:13, 0.3
009, 2017/06/13 13:00:23, 0.4
010, 2017/06/13 13:00:33, 0.3
011, 2017/06/13 13:00:43, 0.3
Peak, , 0.4
Min, , 0.3
Average, , 0.3

17/06/13 13:03

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-919032
Unit Firmware Ver	V2.14
Running Mode	Hygiene Mode
Datalog Mode	Manual
Diagnostic Mode	No
Stop Reason	Stop by User
Site ID	RAE00000
User ID	USER0000
Begin	6/13/2017 13:03
End	6/13/2017 16:11
Sample Period(s)	10
Number of Records	1127
Sensor	PID(ppm)
Sensor SN	S023030206U3

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

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Measure Type	Avg
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	6/13/2017 7:40
Peak	N/A
Min	N/A
Average	N/A

****

Datalog
, , PID(ppm)
Index, Date/Time, (Avg)
001, 2017/06/13 13:03:24, 0.3
002, 2017/06/13 13:03:34, 0.3
003, 2017/06/13 13:03:44, 0.3
004, 2017/06/13 13:03:54, 0.3
005, 2017/06/13 13:04:04, 0.3
006, 2017/06/13 13:04:14, 0.3
007, 2017/06/13 13:04:24, 0.3
008, 2017/06/13 13:04:34, 0.3
009, 2017/06/13 13:04:44, 0.3
010, 2017/06/13 13:04:54, 0.3
011, 2017/06/13 13:05:04, 0.3
012, 2017/06/13 13:05:14, 0.3
013, 2017/06/13 13:05:24, 0.3
014, 2017/06/13 13:05:34, 0.3
015, 2017/06/13 13:05:44, 0.3
016, 2017/06/13 13:05:54, 0.3
017, 2017/06/13 13:06:04, 0.3
018, 2017/06/13 13:06:14, 0.3
019, 2017/06/13 13:06:24, 0.3
020, 2017/06/13 13:06:34, 0.3
021, 2017/06/13 13:06:44, 0.3
022, 2017/06/13 13:06:54, 0.3
023, 2017/06/13 13:07:04, 0.3
024, 2017/06/13 13:07:14, 0.3
025, 2017/06/13 13:07:24, 0.3
026, 2017/06/13 13:07:34, 0.3
027, 2017/06/13 13:07:44, 0.2
028, 2017/06/13 13:07:54, 0.3
029, 2017/06/13 13:08:04, 0.3

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

030, 2017/06/13 13:08:14, 0.3
031, 2017/06/13 13:08:24, 0.3
032, 2017/06/13 13:08:34, 0.2
033, 2017/06/13 13:08:44, 0.3
034, 2017/06/13 13:08:54, 0.2
035, 2017/06/13 13:09:04, 0.3
036, 2017/06/13 13:09:14, 0.3
037, 2017/06/13 13:09:24, 0.3
038, 2017/06/13 13:09:34, 0.3
039, 2017/06/13 13:09:44, 0.3
040, 2017/06/13 13:09:54, 0.3
041, 2017/06/13 13:10:04, 0.3
042, 2017/06/13 13:10:14, 0.3
043, 2017/06/13 13:10:24, 0.3
044, 2017/06/13 13:10:34, 0.3
045, 2017/06/13 13:10:44, 0.2
046, 2017/06/13 13:10:54, 0.3
047, 2017/06/13 13:11:04, 0.2
048, 2017/06/13 13:11:14, 0.2
049, 2017/06/13 13:11:24, 0.2
050, 2017/06/13 13:11:34, 0.3
051, 2017/06/13 13:11:44, 0.3
052, 2017/06/13 13:11:54, 0.2
053, 2017/06/13 13:12:04, 0.3
054, 2017/06/13 13:12:14, 0.2
055, 2017/06/13 13:12:24, 0.2
056, 2017/06/13 13:12:34, 0.2
057, 2017/06/13 13:12:44, 0.2
058, 2017/06/13 13:12:54, 0.2
059, 2017/06/13 13:13:04, 0.2
060, 2017/06/13 13:13:14, 0.2
061, 2017/06/13 13:13:24, 0.2
062, 2017/06/13 13:13:34, 0.2
063, 2017/06/13 13:13:44, 0.2
064, 2017/06/13 13:13:54, 0.2
065, 2017/06/13 13:14:04, 0.2
066, 2017/06/13 13:14:14, 0.2
067, 2017/06/13 13:14:24, 0.2
068, 2017/06/13 13:14:34, 0.2
069, 2017/06/13 13:14:44, 0.2
070, 2017/06/13 13:14:54, 0.2
071, 2017/06/13 13:15:04, 0.2
072, 2017/06/13 13:15:14, 0.2
073, 2017/06/13 13:15:24, 0.2
074, 2017/06/13 13:15:34, 0.2
075, 2017/06/13 13:15:44, 0.2
076, 2017/06/13 13:15:54, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

077, 2017/06/13 13:16:04, 0.2
078, 2017/06/13 13:16:14, 0.2
079, 2017/06/13 13:16:24, 0.2
080, 2017/06/13 13:16:34, 0.2
081, 2017/06/13 13:16:44, 0.2
082, 2017/06/13 13:16:54, 0.2
083, 2017/06/13 13:17:04, 0.2
084, 2017/06/13 13:17:14, 0.2
085, 2017/06/13 13:17:24, 0.2
086, 2017/06/13 13:17:34, 0.2
087, 2017/06/13 13:17:44, 0.2
088, 2017/06/13 13:17:54, 0.2
089, 2017/06/13 13:18:04, 0.2
090, 2017/06/13 13:18:14, 0.2
091, 2017/06/13 13:18:24, 0.2
092, 2017/06/13 13:18:34, 0.2
093, 2017/06/13 13:18:44, 0.2
094, 2017/06/13 13:18:54, 0.2
095, 2017/06/13 13:19:04, 0.2
096, 2017/06/13 13:19:14, 0.2
097, 2017/06/13 13:19:24, 0.2
098, 2017/06/13 13:19:34, 0.2
099, 2017/06/13 13:19:44, 0.2
100, 2017/06/13 13:19:54, 0.2
101, 2017/06/13 13:20:04, 0.2
102, 2017/06/13 13:20:14, 0.2
103, 2017/06/13 13:20:24, 0.2
104, 2017/06/13 13:20:34, 0.2
105, 2017/06/13 13:20:44, 0.2
106, 2017/06/13 13:20:54, 0.2
107, 2017/06/13 13:21:04, 0.2
108, 2017/06/13 13:21:14, 0.2
109, 2017/06/13 13:21:24, 0.2
110, 2017/06/13 13:21:34, 0.2
111, 2017/06/13 13:21:44, 0.2
112, 2017/06/13 13:21:54, 0.2
113, 2017/06/13 13:22:04, 0.2
114, 2017/06/13 13:22:14, 0.2
115, 2017/06/13 13:22:24, 0.2
116, 2017/06/13 13:22:34, 0.2
117, 2017/06/13 13:22:44, 0.2
118, 2017/06/13 13:22:54, 0.2
119, 2017/06/13 13:23:04, 0.2
120, 2017/06/13 13:23:14, 0.2
121, 2017/06/13 13:23:24, 0.2
122, 2017/06/13 13:23:34, 0.2
123, 2017/06/13 13:23:44, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

124, 2017/06/13 13:23:54, 0.2
125, 2017/06/13 13:24:04, 0.2
126, 2017/06/13 13:24:14, 0.2
127, 2017/06/13 13:24:24, 0.2
128, 2017/06/13 13:24:34, 0.2
129, 2017/06/13 13:24:44, 0.2
130, 2017/06/13 13:24:54, 0.2
131, 2017/06/13 13:25:04, 0.2
132, 2017/06/13 13:25:14, 0.2
133, 2017/06/13 13:25:24, 0.2
134, 2017/06/13 13:25:34, 0.2
135, 2017/06/13 13:25:44, 0.2
136, 2017/06/13 13:25:54, 0.2
137, 2017/06/13 13:26:04, 0.2
138, 2017/06/13 13:26:14, 0.2
139, 2017/06/13 13:26:24, 0.2
140, 2017/06/13 13:26:34, 0.2
141, 2017/06/13 13:26:44, 0.2
142, 2017/06/13 13:26:54, 0.2
143, 2017/06/13 13:27:04, 0.2
144, 2017/06/13 13:27:14, 0.2
145, 2017/06/13 13:27:24, 0.2
146, 2017/06/13 13:27:34, 0.2
147, 2017/06/13 13:27:44, 0.2
148, 2017/06/13 13:27:54, 0.2
149, 2017/06/13 13:28:04, 0.2
150, 2017/06/13 13:28:14, 0.2
151, 2017/06/13 13:28:24, 0.2
152, 2017/06/13 13:28:34, 0.2
153, 2017/06/13 13:28:44, 0.2
154, 2017/06/13 13:28:54, 0.2
155, 2017/06/13 13:29:04, 0.2
156, 2017/06/13 13:29:14, 0.2
157, 2017/06/13 13:29:24, 0.2
158, 2017/06/13 13:29:34, 0.2
159, 2017/06/13 13:29:44, 0.2
160, 2017/06/13 13:29:54, 0.2
161, 2017/06/13 13:30:04, 0.2
162, 2017/06/13 13:30:14, 0.2
163, 2017/06/13 13:30:24, 0.2
164, 2017/06/13 13:30:34, 0.2
165, 2017/06/13 13:30:44, 0.2
166, 2017/06/13 13:30:54, 0.3
167, 2017/06/13 13:31:04, 0.2
168, 2017/06/13 13:31:14, 0.2
169, 2017/06/13 13:31:24, 0.2
170, 2017/06/13 13:31:34, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

171, 2017/06/13 13:31:44, 0.2
172, 2017/06/13 13:31:54, 0.2
173, 2017/06/13 13:32:04, 0.2
174, 2017/06/13 13:32:14, 0.2
175, 2017/06/13 13:32:24, 0.2
176, 2017/06/13 13:32:34, 0.2
177, 2017/06/13 13:32:44, 0.2
178, 2017/06/13 13:32:54, 0.2
179, 2017/06/13 13:33:04, 0.2
180, 2017/06/13 13:33:14, 0.2
181, 2017/06/13 13:33:24, 0.3
182, 2017/06/13 13:33:34, 0.2
183, 2017/06/13 13:33:44, 0.2
184, 2017/06/13 13:33:54, 0.2
185, 2017/06/13 13:34:04, 0.2
186, 2017/06/13 13:34:14, 0.3
187, 2017/06/13 13:34:24, 0.3
188, 2017/06/13 13:34:34, 0.3
189, 2017/06/13 13:34:44, 0.3
190, 2017/06/13 13:34:54, 0.2
191, 2017/06/13 13:35:04, 0.2
192, 2017/06/13 13:35:14, 0.2
193, 2017/06/13 13:35:24, 0.2
194, 2017/06/13 13:35:34, 0.2
195, 2017/06/13 13:35:44, 0.2
196, 2017/06/13 13:35:54, 0.2
197, 2017/06/13 13:36:04, 0.2
198, 2017/06/13 13:36:14, 0.2
199, 2017/06/13 13:36:24, 0.2
200, 2017/06/13 13:36:34, 0.2
201, 2017/06/13 13:36:44, 0.2
202, 2017/06/13 13:36:54, 0.2
203, 2017/06/13 13:37:04, 0.2
204, 2017/06/13 13:37:14, 0.2
205, 2017/06/13 13:37:24, 0.2
206, 2017/06/13 13:37:34, 0.2
207, 2017/06/13 13:37:44, 0.2
208, 2017/06/13 13:37:54, 0.2
209, 2017/06/13 13:38:04, 0.2
210, 2017/06/13 13:38:14, 0.2
211, 2017/06/13 13:38:24, 0.2
212, 2017/06/13 13:38:34, 0.2
213, 2017/06/13 13:38:44, 0.2
214, 2017/06/13 13:38:54, 0.2
215, 2017/06/13 13:39:04, 0.2
216, 2017/06/13 13:39:14, 0.2
217, 2017/06/13 13:39:24, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

218, 2017/06/13 13:39:34, 0.2
219, 2017/06/13 13:39:44, 0.2
220, 2017/06/13 13:39:54, 0.2
221, 2017/06/13 13:40:04, 0.2
222, 2017/06/13 13:40:14, 0.2
223, 2017/06/13 13:40:24, 0.2
224, 2017/06/13 13:40:34, 0.2
225, 2017/06/13 13:40:44, 0.2
226, 2017/06/13 13:40:54, 0.2
227, 2017/06/13 13:41:04, 0.2
228, 2017/06/13 13:41:14, 0.2
229, 2017/06/13 13:41:24, 0.2
230, 2017/06/13 13:41:34, 0.2
231, 2017/06/13 13:41:44, 0.2
232, 2017/06/13 13:41:54, 0.2
233, 2017/06/13 13:42:04, 0.2
234, 2017/06/13 13:42:14, 0.2
235, 2017/06/13 13:42:24, 0.3
236, 2017/06/13 13:42:34, 0.2
237, 2017/06/13 13:42:44, 0.2
238, 2017/06/13 13:42:54, 0.2
239, 2017/06/13 13:43:04, 0.2
240, 2017/06/13 13:43:14, 0.2
241, 2017/06/13 13:43:24, 0.2
242, 2017/06/13 13:43:34, 0.2
243, 2017/06/13 13:43:44, 0.2
244, 2017/06/13 13:43:54, 0.2
245, 2017/06/13 13:44:04, 0.2
246, 2017/06/13 13:44:14, 0.2
247, 2017/06/13 13:44:24, 0.2
248, 2017/06/13 13:44:34, 0.2
249, 2017/06/13 13:44:44, 0.2
250, 2017/06/13 13:44:54, 0.2
251, 2017/06/13 13:45:04, 0.2
252, 2017/06/13 13:45:14, 0.2
253, 2017/06/13 13:45:24, 0.2
254, 2017/06/13 13:45:34, 0.2
255, 2017/06/13 13:45:44, 0.2
256, 2017/06/13 13:45:54, 0.2
257, 2017/06/13 13:46:04, 0.2
258, 2017/06/13 13:46:14, 0.2
259, 2017/06/13 13:46:24, 0.2
260, 2017/06/13 13:46:34, 0.2
261, 2017/06/13 13:46:44, 0.2
262, 2017/06/13 13:46:54, 0.2
263, 2017/06/13 13:47:04, 0.2
264, 2017/06/13 13:47:14, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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265, 2017/06/13 13:47:24, 0.2
266, 2017/06/13 13:47:34, 0.2
267, 2017/06/13 13:47:44, 0.2
268, 2017/06/13 13:47:54, 0.2
269, 2017/06/13 13:48:04, 0.2
270, 2017/06/13 13:48:14, 0.2
271, 2017/06/13 13:48:24, 0.2
272, 2017/06/13 13:48:34, 0.2
273, 2017/06/13 13:48:44, 0.2
274, 2017/06/13 13:48:54, 0.2
275, 2017/06/13 13:49:04, 0.2
276, 2017/06/13 13:49:14, 0.2
277, 2017/06/13 13:49:24, 0.2
278, 2017/06/13 13:49:34, 0.2
279, 2017/06/13 13:49:44, 0.2
280, 2017/06/13 13:49:54, 0.2
281, 2017/06/13 13:50:04, 0.2
282, 2017/06/13 13:50:14, 0.2
283, 2017/06/13 13:50:24, 0.2
284, 2017/06/13 13:50:34, 0.2
285, 2017/06/13 13:50:44, 0.2
286, 2017/06/13 13:50:54, 0.2
287, 2017/06/13 13:51:04, 0.2
288, 2017/06/13 13:51:14, 0.2
289, 2017/06/13 13:51:24, 0.2
290, 2017/06/13 13:51:34, 0.2
291, 2017/06/13 13:51:44, 0.2
292, 2017/06/13 13:51:54, 0.2
293, 2017/06/13 13:52:04, 0.2
294, 2017/06/13 13:52:14, 0.2
295, 2017/06/13 13:52:24, 0.2
296, 2017/06/13 13:52:34, 0.2
297, 2017/06/13 13:52:44, 0.2
298, 2017/06/13 13:52:54, 0.2
299, 2017/06/13 13:53:04, 0.2
300, 2017/06/13 13:53:14, 0.2
301, 2017/06/13 13:53:24, 0.2
302, 2017/06/13 13:53:34, 0.2
303, 2017/06/13 13:53:44, 0.2
304, 2017/06/13 13:53:54, 0.2
305, 2017/06/13 13:54:04, 0.2
306, 2017/06/13 13:54:14, 0.2
307, 2017/06/13 13:54:24, 0.2
308, 2017/06/13 13:54:34, 0.2
309, 2017/06/13 13:54:44, 0.3
310, 2017/06/13 13:54:54, 0.2
311, 2017/06/13 13:55:04, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

312, 2017/06/13 13:55:14, 0.2
313, 2017/06/13 13:55:24, 0.2
314, 2017/06/13 13:55:34, 0.2
315, 2017/06/13 13:55:44, 0.2
316, 2017/06/13 13:55:54, 0.2
317, 2017/06/13 13:56:04, 0.3
318, 2017/06/13 13:56:14, 0.2
319, 2017/06/13 13:56:24, 0.2
320, 2017/06/13 13:56:34, 0.2
321, 2017/06/13 13:56:44, 0.2
322, 2017/06/13 13:56:54, 0.2
323, 2017/06/13 13:57:04, 0.2
324, 2017/06/13 13:57:14, 0.2
325, 2017/06/13 13:57:24, 0.2
326, 2017/06/13 13:57:34, 0.2
327, 2017/06/13 13:57:44, 0.2
328, 2017/06/13 13:57:54, 0.2
329, 2017/06/13 13:58:04, 0.3
330, 2017/06/13 13:58:14, 0.3
331, 2017/06/13 13:58:24, 0.2
332, 2017/06/13 13:58:34, 0.2
333, 2017/06/13 13:58:44, 0.2
334, 2017/06/13 13:58:54, 0.2
335, 2017/06/13 13:59:04, 0.2
336, 2017/06/13 13:59:14, 0.2
337, 2017/06/13 13:59:24, 0.2
338, 2017/06/13 13:59:34, 0.2
339, 2017/06/13 13:59:44, 0.2
340, 2017/06/13 13:59:54, 0.2
341, 2017/06/13 14:00:04, 0.2
342, 2017/06/13 14:00:14, 0.2
343, 2017/06/13 14:00:24, 0.2
344, 2017/06/13 14:00:34, 0.2
345, 2017/06/13 14:00:44, 0.3
346, 2017/06/13 14:00:54, 0.2
347, 2017/06/13 14:01:04, 0.2
348, 2017/06/13 14:01:14, 0.2
349, 2017/06/13 14:01:24, 0.2
350, 2017/06/13 14:01:34, 0.2
351, 2017/06/13 14:01:44, 0.2
352, 2017/06/13 14:01:54, 0.2
353, 2017/06/13 14:02:04, 0.2
354, 2017/06/13 14:02:14, 0.2
355, 2017/06/13 14:02:24, 0.2
356, 2017/06/13 14:02:34, 0.2
357, 2017/06/13 14:02:44, 0.2
358, 2017/06/13 14:02:54, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

359, 2017/06/13 14:03:04, 0.2
360, 2017/06/13 14:03:14, 0.2
361, 2017/06/13 14:03:24, 0.2
362, 2017/06/13 14:03:34, 0.3
363, 2017/06/13 14:03:44, 0.2
364, 2017/06/13 14:03:54, 0.2
365, 2017/06/13 14:04:04, 0.2
366, 2017/06/13 14:04:14, 0.2
367, 2017/06/13 14:04:24, 0.2
368, 2017/06/13 14:04:34, 0.2
369, 2017/06/13 14:04:44, 0.2
370, 2017/06/13 14:04:54, 0.2
371, 2017/06/13 14:05:04, 0.2
372, 2017/06/13 14:05:14, 0.2
373, 2017/06/13 14:05:24, 0.2
374, 2017/06/13 14:05:34, 0.2
375, 2017/06/13 14:05:44, 0.2
376, 2017/06/13 14:05:54, 0.2
377, 2017/06/13 14:06:04, 0.2
378, 2017/06/13 14:06:14, 0.2
379, 2017/06/13 14:06:24, 0.2
380, 2017/06/13 14:06:34, 0.2
381, 2017/06/13 14:06:44, 0.2
382, 2017/06/13 14:06:54, 0.2
383, 2017/06/13 14:07:04, 0.2
384, 2017/06/13 14:07:14, 0.2
385, 2017/06/13 14:07:24, 0.2
386, 2017/06/13 14:07:34, 0.2
387, 2017/06/13 14:07:44, 0.2
388, 2017/06/13 14:07:54, 0.2
389, 2017/06/13 14:08:04, 0.2
390, 2017/06/13 14:08:14, 0.2
391, 2017/06/13 14:08:24, 0.2
392, 2017/06/13 14:08:34, 0.2
393, 2017/06/13 14:08:44, 0.2
394, 2017/06/13 14:08:54, 0.2
395, 2017/06/13 14:09:04, 0.2
396, 2017/06/13 14:09:14, 0.2
397, 2017/06/13 14:09:24, 0.2
398, 2017/06/13 14:09:34, 0.2
399, 2017/06/13 14:09:44, 0.2
400, 2017/06/13 14:09:54, 0.2
401, 2017/06/13 14:10:04, 0.2
402, 2017/06/13 14:10:14, 0.2
403, 2017/06/13 14:10:24, 0.2
404, 2017/06/13 14:10:34, 0.2
405, 2017/06/13 14:10:44, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

406, 2017/06/13 14:10:54, 0.2
407, 2017/06/13 14:11:04, 0.2
408, 2017/06/13 14:11:14, 0.2
409, 2017/06/13 14:11:24, 0.3
410, 2017/06/13 14:11:34, 0.2
411, 2017/06/13 14:11:44, 0.2
412, 2017/06/13 14:11:54, 0.2
413, 2017/06/13 14:12:04, 0.2
414, 2017/06/13 14:12:14, 0.2
415, 2017/06/13 14:12:24, 0.2
416, 2017/06/13 14:12:34, 0.2
417, 2017/06/13 14:12:44, 0.2
418, 2017/06/13 14:12:54, 0.2
419, 2017/06/13 14:13:04, 0.2
420, 2017/06/13 14:13:14, 0.2
421, 2017/06/13 14:13:24, 0.2
422, 2017/06/13 14:13:34, 0.2
423, 2017/06/13 14:13:44, 0.2
424, 2017/06/13 14:13:54, 0.2
425, 2017/06/13 14:14:04, 0.2
426, 2017/06/13 14:14:14, 0.2
427, 2017/06/13 14:14:24, 0.2
428, 2017/06/13 14:14:34, 0.2
429, 2017/06/13 14:14:44, 0.2
430, 2017/06/13 14:14:54, 0.2
431, 2017/06/13 14:15:04, 0.2
432, 2017/06/13 14:15:14, 0.2
433, 2017/06/13 14:15:24, 0.2
434, 2017/06/13 14:15:34, 0.2
435, 2017/06/13 14:15:44, 0.2
436, 2017/06/13 14:15:54, 0.3
437, 2017/06/13 14:16:04, 0.2
438, 2017/06/13 14:16:14, 0.2
439, 2017/06/13 14:16:24, 0.2
440, 2017/06/13 14:16:34, 0.2
441, 2017/06/13 14:16:44, 0.2
442, 2017/06/13 14:16:54, 0.2
443, 2017/06/13 14:17:04, 0.2
444, 2017/06/13 14:17:14, 0.2
445, 2017/06/13 14:17:24, 0.2
446, 2017/06/13 14:17:34, 0.2
447, 2017/06/13 14:17:44, 0.2
448, 2017/06/13 14:17:54, 0.2
449, 2017/06/13 14:18:04, 0.2
450, 2017/06/13 14:18:14, 0.2
451, 2017/06/13 14:18:24, 0.2
452, 2017/06/13 14:18:34, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

453, 2017/06/13 14:18:44, 0.2
454, 2017/06/13 14:18:54, 0.2
455, 2017/06/13 14:19:04, 0.2
456, 2017/06/13 14:19:14, 0.2
457, 2017/06/13 14:19:24, 0.2
458, 2017/06/13 14:19:34, 0.2
459, 2017/06/13 14:19:44, 0.2
460, 2017/06/13 14:19:54, 0.2
461, 2017/06/13 14:20:04, 0.2
462, 2017/06/13 14:20:14, 0.2
463, 2017/06/13 14:20:24, 0.2
464, 2017/06/13 14:20:34, 0.2
465, 2017/06/13 14:20:44, 0.2
466, 2017/06/13 14:20:54, 0.2
467, 2017/06/13 14:21:04, 0.2
468, 2017/06/13 14:21:14, 0.2
469, 2017/06/13 14:21:24, 0.3
470, 2017/06/13 14:21:34, 0.3
471, 2017/06/13 14:21:44, 0.3
472, 2017/06/13 14:21:54, 0.3
473, 2017/06/13 14:22:04, 0.3
474, 2017/06/13 14:22:14, 0.2
475, 2017/06/13 14:22:24, 0.2
476, 2017/06/13 14:22:34, 0.3
477, 2017/06/13 14:22:44, 0.2
478, 2017/06/13 14:22:54, 0.2
479, 2017/06/13 14:23:04, 0.2
480, 2017/06/13 14:23:14, 0.2
481, 2017/06/13 14:23:24, 0.2
482, 2017/06/13 14:23:34, 0.2
483, 2017/06/13 14:23:44, 0.2
484, 2017/06/13 14:23:54, 0.2
485, 2017/06/13 14:24:04, 0.2
486, 2017/06/13 14:24:14, 0.2
487, 2017/06/13 14:24:24, 0.2
488, 2017/06/13 14:24:34, 0.3
489, 2017/06/13 14:24:44, 0.2
490, 2017/06/13 14:24:54, 0.2
491, 2017/06/13 14:25:04, 0.2
492, 2017/06/13 14:25:14, 0.2
493, 2017/06/13 14:25:24, 0.2
494, 2017/06/13 14:25:34, 0.2
495, 2017/06/13 14:25:44, 0.3
496, 2017/06/13 14:25:54, 0.2
497, 2017/06/13 14:26:04, 0.2
498, 2017/06/13 14:26:14, 0.3
499, 2017/06/13 14:26:24, 0.3

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

500, 2017/06/13 14:26:34, 0.2
501, 2017/06/13 14:26:44, 0.2
502, 2017/06/13 14:26:54, 0.2
503, 2017/06/13 14:27:04, 0.2
504, 2017/06/13 14:27:14, 0.2
505, 2017/06/13 14:27:24, 0.2
506, 2017/06/13 14:27:34, 0.2
507, 2017/06/13 14:27:44, 0.2
508, 2017/06/13 14:27:54, 0.2
509, 2017/06/13 14:28:04, 0.2
510, 2017/06/13 14:28:14, 0.2
511, 2017/06/13 14:28:24, 0.3
512, 2017/06/13 14:28:34, 0.2
513, 2017/06/13 14:28:44, 0.3
514, 2017/06/13 14:28:54, 0.2
515, 2017/06/13 14:29:04, 0.3
516, 2017/06/13 14:29:14, 0.2
517, 2017/06/13 14:29:24, 0.2
518, 2017/06/13 14:29:34, 0.3
519, 2017/06/13 14:29:44, 0.2
520, 2017/06/13 14:29:54, 0.2
521, 2017/06/13 14:30:04, 0.2
522, 2017/06/13 14:30:14, 0.2
523, 2017/06/13 14:30:24, 0.2
524, 2017/06/13 14:30:34, 0.2
525, 2017/06/13 14:30:44, 0.2
526, 2017/06/13 14:30:54, 0.2
527, 2017/06/13 14:31:04, 0.2
528, 2017/06/13 14:31:14, 0.2
529, 2017/06/13 14:31:24, 0.2
530, 2017/06/13 14:31:34, 0.2
531, 2017/06/13 14:31:44, 0.2
532, 2017/06/13 14:31:54, 0.2
533, 2017/06/13 14:32:04, 0.2
534, 2017/06/13 14:32:14, 0.2
535, 2017/06/13 14:32:24, 0.2
536, 2017/06/13 14:32:34, 0.2
537, 2017/06/13 14:32:44, 0.3
538, 2017/06/13 14:32:54, 0.2
539, 2017/06/13 14:33:04, 0.2
540, 2017/06/13 14:33:14, 0.2
541, 2017/06/13 14:33:24, 0.2
542, 2017/06/13 14:33:34, 0.2
543, 2017/06/13 14:33:44, 0.2
544, 2017/06/13 14:33:54, 0.2
545, 2017/06/13 14:34:04, 0.3
546, 2017/06/13 14:34:14, 0.3

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

547, 2017/06/13 14:34:24, 0.3
548, 2017/06/13 14:34:34, 0.2
549, 2017/06/13 14:34:44, 0.2
550, 2017/06/13 14:34:54, 0.3
551, 2017/06/13 14:35:04, 0.3
552, 2017/06/13 14:35:14, 0.2
553, 2017/06/13 14:35:24, 0.2
554, 2017/06/13 14:35:34, 0.2
555, 2017/06/13 14:35:44, 0.2
556, 2017/06/13 14:35:54, 0.2
557, 2017/06/13 14:36:04, 0.2
558, 2017/06/13 14:36:14, 0.3
559, 2017/06/13 14:36:24, 0.2
560, 2017/06/13 14:36:34, 0.2
561, 2017/06/13 14:36:44, 0.3
562, 2017/06/13 14:36:54, 0.2
563, 2017/06/13 14:37:04, 0.2
564, 2017/06/13 14:37:14, 0.2
565, 2017/06/13 14:37:24, 0.2
566, 2017/06/13 14:37:34, 0.2
567, 2017/06/13 14:37:44, 0.2
568, 2017/06/13 14:37:54, 0.2
569, 2017/06/13 14:38:04, 0.2
570, 2017/06/13 14:38:14, 0.3
571, 2017/06/13 14:38:24, 0.3
572, 2017/06/13 14:38:34, 0.3
573, 2017/06/13 14:38:44, 0.3
574, 2017/06/13 14:38:54, 0.2
575, 2017/06/13 14:39:04, 0.2
576, 2017/06/13 14:39:14, 0.2
577, 2017/06/13 14:39:24, 0.2
578, 2017/06/13 14:39:34, 0.2
579, 2017/06/13 14:39:44, 0.2
580, 2017/06/13 14:39:54, 0.2
581, 2017/06/13 14:40:04, 0.2
582, 2017/06/13 14:40:14, 0.2
583, 2017/06/13 14:40:24, 0.2
584, 2017/06/13 14:40:34, 0.2
585, 2017/06/13 14:40:44, 0.2
586, 2017/06/13 14:40:54, 0.2
587, 2017/06/13 14:41:04, 0.2
588, 2017/06/13 14:41:14, 0.2
589, 2017/06/13 14:41:24, 0.2
590, 2017/06/13 14:41:34, 0.3
591, 2017/06/13 14:41:44, 0.2
592, 2017/06/13 14:41:54, 0.2
593, 2017/06/13 14:42:04, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

594, 2017/06/13 14:42:14, 0.2
595, 2017/06/13 14:42:24, 0.3
596, 2017/06/13 14:42:34, 0.3
597, 2017/06/13 14:42:44, 0.3
598, 2017/06/13 14:42:54, 0.3
599, 2017/06/13 14:43:04, 0.2
600, 2017/06/13 14:43:14, 0.3
601, 2017/06/13 14:43:24, 0.3
602, 2017/06/13 14:43:34, 0.3
603, 2017/06/13 14:43:44, 0.3
604, 2017/06/13 14:43:54, 0.3
605, 2017/06/13 14:44:04, 0.2
606, 2017/06/13 14:44:14, 0.2
607, 2017/06/13 14:44:24, 0.3
608, 2017/06/13 14:44:34, 0.3
609, 2017/06/13 14:44:44, 0.3
610, 2017/06/13 14:44:54, 0.3
611, 2017/06/13 14:45:04, 0.3
612, 2017/06/13 14:45:14, 0.3
613, 2017/06/13 14:45:24, 0.3
614, 2017/06/13 14:45:34, 0.2
615, 2017/06/13 14:45:44, 0.3
616, 2017/06/13 14:45:54, 0.2
617, 2017/06/13 14:46:04, 0.2
618, 2017/06/13 14:46:14, 0.2
619, 2017/06/13 14:46:24, 0.2
620, 2017/06/13 14:46:34, 0.2
621, 2017/06/13 14:46:44, 0.2
622, 2017/06/13 14:46:54, 0.2
623, 2017/06/13 14:47:04, 0.2
624, 2017/06/13 14:47:14, 0.2
625, 2017/06/13 14:47:24, 0.2
626, 2017/06/13 14:47:34, 0.2
627, 2017/06/13 14:47:44, 0.3
628, 2017/06/13 14:47:54, 0.3
629, 2017/06/13 14:48:04, 0.2
630, 2017/06/13 14:48:14, 0.2
631, 2017/06/13 14:48:24, 0.2
632, 2017/06/13 14:48:34, 0.2
633, 2017/06/13 14:48:44, 0.2
634, 2017/06/13 14:48:54, 0.2
635, 2017/06/13 14:49:04, 0.2
636, 2017/06/13 14:49:14, 0.2
637, 2017/06/13 14:49:24, 0.2
638, 2017/06/13 14:49:34, 0.2
639, 2017/06/13 14:49:44, 0.2
640, 2017/06/13 14:49:54, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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641, 2017/06/13 14:50:04, 0.2
642, 2017/06/13 14:50:14, 0.2
643, 2017/06/13 14:50:24, 0.2
644, 2017/06/13 14:50:34, 0.2
645, 2017/06/13 14:50:44, 0.2
646, 2017/06/13 14:50:54, 0.2
647, 2017/06/13 14:51:04, 0.3
648, 2017/06/13 14:51:14, 0.3
649, 2017/06/13 14:51:24, 0.2
650, 2017/06/13 14:51:34, 0.2
651, 2017/06/13 14:51:44, 0.2
652, 2017/06/13 14:51:54, 0.2
653, 2017/06/13 14:52:04, 0.2
654, 2017/06/13 14:52:14, 0.2
655, 2017/06/13 14:52:24, 0.2
656, 2017/06/13 14:52:34, 0.3
657, 2017/06/13 14:52:44, 0.2
658, 2017/06/13 14:52:54, 0.2
659, 2017/06/13 14:53:04, 0.2
660, 2017/06/13 14:53:14, 0.2
661, 2017/06/13 14:53:24, 0.2
662, 2017/06/13 14:53:34, 0.2
663, 2017/06/13 14:53:44, 0.2
664, 2017/06/13 14:53:54, 0.2
665, 2017/06/13 14:54:04, 0.3
666, 2017/06/13 14:54:14, 0.2
667, 2017/06/13 14:54:24, 0.2
668, 2017/06/13 14:54:34, 0.2
669, 2017/06/13 14:54:44, 0.2
670, 2017/06/13 14:54:54, 0.3
671, 2017/06/13 14:55:04, 0.2
672, 2017/06/13 14:55:14, 0.2
673, 2017/06/13 14:55:24, 0.2
674, 2017/06/13 14:55:34, 0.2
675, 2017/06/13 14:55:44, 0.2
676, 2017/06/13 14:55:54, 0.2
677, 2017/06/13 14:56:04, 0.2
678, 2017/06/13 14:56:14, 0.2
679, 2017/06/13 14:56:24, 0.2
680, 2017/06/13 14:56:34, 0.2
681, 2017/06/13 14:56:44, 0.2
682, 2017/06/13 14:56:54, 0.2
683, 2017/06/13 14:57:04, 0.2
684, 2017/06/13 14:57:14, 0.2
685, 2017/06/13 14:57:24, 0.2
686, 2017/06/13 14:57:34, 0.2
687, 2017/06/13 14:57:44, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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688, 2017/06/13 14:57:54, 0.2
689, 2017/06/13 14:58:04, 0.2
690, 2017/06/13 14:58:14, 0.2
691, 2017/06/13 14:58:24, 0.2
692, 2017/06/13 14:58:34, 0.2
693, 2017/06/13 14:58:44, 0.2
694, 2017/06/13 14:58:54, 0.2
695, 2017/06/13 14:59:04, 0.2
696, 2017/06/13 14:59:14, 0.2
697, 2017/06/13 14:59:24, 0.2
698, 2017/06/13 14:59:34, 0.2
699, 2017/06/13 14:59:44, 0.2
700, 2017/06/13 14:59:54, 0.2
701, 2017/06/13 15:00:04, 0.2
702, 2017/06/13 15:00:14, 0.2
703, 2017/06/13 15:00:24, 0.2
704, 2017/06/13 15:00:34, 0.2
705, 2017/06/13 15:00:44, 0.2
706, 2017/06/13 15:00:54, 0.2
707, 2017/06/13 15:01:04, 0.2
708, 2017/06/13 15:01:14, 0.2
709, 2017/06/13 15:01:24, 0.3
710, 2017/06/13 15:01:34, 0.3
711, 2017/06/13 15:01:44, 0.3
712, 2017/06/13 15:01:54, 0.2
713, 2017/06/13 15:02:04, 0.2
714, 2017/06/13 15:02:14, 0.2
715, 2017/06/13 15:02:24, 0.2
716, 2017/06/13 15:02:34, 0.2
717, 2017/06/13 15:02:44, 0.2
718, 2017/06/13 15:02:54, 0.2
719, 2017/06/13 15:03:04, 0.2
720, 2017/06/13 15:03:14, 0.2
721, 2017/06/13 15:03:24, 0.2
722, 2017/06/13 15:03:34, 0.2
723, 2017/06/13 15:03:44, 0.2
724, 2017/06/13 15:03:54, 0.2
725, 2017/06/13 15:04:04, 0.2
726, 2017/06/13 15:04:14, 0.3
727, 2017/06/13 15:04:24, 0.3
728, 2017/06/13 15:04:34, 0.3
729, 2017/06/13 15:04:44, 0.3
730, 2017/06/13 15:04:54, 0.3
731, 2017/06/13 15:05:04, 0.3
732, 2017/06/13 15:05:14, 0.3
733, 2017/06/13 15:05:24, 0.2
734, 2017/06/13 15:05:34, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

735, 2017/06/13 15:05:44, 0.2
736, 2017/06/13 15:05:54, 0.2
737, 2017/06/13 15:06:04, 0.2
738, 2017/06/13 15:06:14, 0.2
739, 2017/06/13 15:06:24, 0.2
740, 2017/06/13 15:06:34, 0.2
741, 2017/06/13 15:06:44, 0.3
742, 2017/06/13 15:06:54, 0.3
743, 2017/06/13 15:07:04, 0.3
744, 2017/06/13 15:07:14, 0.3
745, 2017/06/13 15:07:24, 0.3
746, 2017/06/13 15:07:34, 0.2
747, 2017/06/13 15:07:44, 0.3
748, 2017/06/13 15:07:54, 0.3
749, 2017/06/13 15:08:04, 0.2
750, 2017/06/13 15:08:14, 0.2
751, 2017/06/13 15:08:24, 0.2
752, 2017/06/13 15:08:34, 0.2
753, 2017/06/13 15:08:44, 0.2
754, 2017/06/13 15:08:54, 0.2
755, 2017/06/13 15:09:04, 0.2
756, 2017/06/13 15:09:14, 0.2
757, 2017/06/13 15:09:24, 0.2
758, 2017/06/13 15:09:34, 0.2
759, 2017/06/13 15:09:44, 0.2
760, 2017/06/13 15:09:54, 0.2
761, 2017/06/13 15:10:04, 0.2
762, 2017/06/13 15:10:14, 0.2
763, 2017/06/13 15:10:24, 0.2
764, 2017/06/13 15:10:34, 0.2
765, 2017/06/13 15:10:44, 0.2
766, 2017/06/13 15:10:54, 0.2
767, 2017/06/13 15:11:04, 0.2
768, 2017/06/13 15:11:14, 0.2
769, 2017/06/13 15:11:24, 0.2
770, 2017/06/13 15:11:34, 0.2
771, 2017/06/13 15:11:44, 0.2
772, 2017/06/13 15:11:54, 0.2
773, 2017/06/13 15:12:04, 0.2
774, 2017/06/13 15:12:14, 0.2
775, 2017/06/13 15:12:24, 0.2
776, 2017/06/13 15:12:34, 0.2
777, 2017/06/13 15:12:44, 0.2
778, 2017/06/13 15:12:54, 0.2
779, 2017/06/13 15:13:04, 0.2
780, 2017/06/13 15:13:14, 0.2
781, 2017/06/13 15:13:24, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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782, 2017/06/13 15:13:34, 0.2
783, 2017/06/13 15:13:44, 0.2
784, 2017/06/13 15:13:54, 0.2
785, 2017/06/13 15:14:04, 0.2
786, 2017/06/13 15:14:14, 0.2
787, 2017/06/13 15:14:24, 0.2
788, 2017/06/13 15:14:34, 0.2
789, 2017/06/13 15:14:44, 0.2
790, 2017/06/13 15:14:54, 0.2
791, 2017/06/13 15:15:04, 0.2
792, 2017/06/13 15:15:14, 0.2
793, 2017/06/13 15:15:24, 0.2
794, 2017/06/13 15:15:34, 0.2
795, 2017/06/13 15:15:44, 0.2
796, 2017/06/13 15:15:54, 0.2
797, 2017/06/13 15:16:04, 0.2
798, 2017/06/13 15:16:14, 0.2
799, 2017/06/13 15:16:24, 0.2
800, 2017/06/13 15:16:34, 0.2
801, 2017/06/13 15:16:44, 0.2
802, 2017/06/13 15:16:54, 0.2
803, 2017/06/13 15:17:04, 0.2
804, 2017/06/13 15:17:14, 0.2
805, 2017/06/13 15:17:24, 0.2
806, 2017/06/13 15:17:34, 0.2
807, 2017/06/13 15:17:44, 0.2
808, 2017/06/13 15:17:54, 0.2
809, 2017/06/13 15:18:04, 0.2
810, 2017/06/13 15:18:14, 0.2
811, 2017/06/13 15:18:24, 0.2
812, 2017/06/13 15:18:34, 0.2
813, 2017/06/13 15:18:44, 0.2
814, 2017/06/13 15:18:54, 0.2
815, 2017/06/13 15:19:04, 0.2
816, 2017/06/13 15:19:14, 0.2
817, 2017/06/13 15:19:24, 0.2
818, 2017/06/13 15:19:34, 0.2
819, 2017/06/13 15:19:44, 0.2
820, 2017/06/13 15:19:54, 0.2
821, 2017/06/13 15:20:04, 0.2
822, 2017/06/13 15:20:14, 0.2
823, 2017/06/13 15:20:24, 0.2
824, 2017/06/13 15:20:34, 0.2
825, 2017/06/13 15:20:44, 0.2
826, 2017/06/13 15:20:54, 0.2
827, 2017/06/13 15:21:04, 0.2
828, 2017/06/13 15:21:14, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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829, 2017/06/13 15:21:24, 0.2
830, 2017/06/13 15:21:34, 0.2
831, 2017/06/13 15:21:44, 0.2
832, 2017/06/13 15:21:54, 0.2
833, 2017/06/13 15:22:04, 0.2
834, 2017/06/13 15:22:14, 0.2
835, 2017/06/13 15:22:24, 0.2
836, 2017/06/13 15:22:34, 0.2
837, 2017/06/13 15:22:44, 0.2
838, 2017/06/13 15:22:54, 0.2
839, 2017/06/13 15:23:04, 0.2
840, 2017/06/13 15:23:14, 0.2
841, 2017/06/13 15:23:24, 0.2
842, 2017/06/13 15:23:34, 0.2
843, 2017/06/13 15:23:44, 0.2
844, 2017/06/13 15:23:54, 0.2
845, 2017/06/13 15:24:04, 0.2
846, 2017/06/13 15:24:14, 0.2
847, 2017/06/13 15:24:24, 0.2
848, 2017/06/13 15:24:34, 0.2
849, 2017/06/13 15:24:44, 0.2
850, 2017/06/13 15:24:54, 0.2
851, 2017/06/13 15:25:04, 0.2
852, 2017/06/13 15:25:14, 0.2
853, 2017/06/13 15:25:24, 0.2
854, 2017/06/13 15:25:34, 0.2
855, 2017/06/13 15:25:44, 0.2
856, 2017/06/13 15:25:54, 0.2
857, 2017/06/13 15:26:04, 0.2
858, 2017/06/13 15:26:14, 0.2
859, 2017/06/13 15:26:24, 0.2
860, 2017/06/13 15:26:34, 0.2
861, 2017/06/13 15:26:44, 0.2
862, 2017/06/13 15:26:54, 0.2
863, 2017/06/13 15:27:04, 0.2
864, 2017/06/13 15:27:14, 0.2
865, 2017/06/13 15:27:24, 0.2
866, 2017/06/13 15:27:34, 0.2
867, 2017/06/13 15:27:44, 0.2
868, 2017/06/13 15:27:54, 0.2
869, 2017/06/13 15:28:04, 0.2
870, 2017/06/13 15:28:14, 0.2
871, 2017/06/13 15:28:24, 0.2
872, 2017/06/13 15:28:34, 0.2
873, 2017/06/13 15:28:44, 0.2
874, 2017/06/13 15:28:54, 0.2
875, 2017/06/13 15:29:04, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

876, 2017/06/13 15:29:14, 0.2
877, 2017/06/13 15:29:24, 0.2
878, 2017/06/13 15:29:34, 0.2
879, 2017/06/13 15:29:44, 0.2
880, 2017/06/13 15:29:54, 0.2
881, 2017/06/13 15:30:04, 0.2
882, 2017/06/13 15:30:14, 0.2
883, 2017/06/13 15:30:24, 0.2
884, 2017/06/13 15:30:34, 0.2
885, 2017/06/13 15:30:44, 0.2
886, 2017/06/13 15:30:54, 0.2
887, 2017/06/13 15:31:04, 0.2
888, 2017/06/13 15:31:14, 0.2
889, 2017/06/13 15:31:24, 0.2
890, 2017/06/13 15:31:34, 0.2
891, 2017/06/13 15:31:44, 0.2
892, 2017/06/13 15:31:54, 0.2
893, 2017/06/13 15:32:04, 0.2
894, 2017/06/13 15:32:14, 0.2
895, 2017/06/13 15:32:24, 0.2
896, 2017/06/13 15:32:34, 0.2
897, 2017/06/13 15:32:44, 0.2
898, 2017/06/13 15:32:54, 0.2
899, 2017/06/13 15:33:04, 0.2
900, 2017/06/13 15:33:14, 0.2
901, 2017/06/13 15:33:24, 0.2
902, 2017/06/13 15:33:34, 0.2
903, 2017/06/13 15:33:44, 0.2
904, 2017/06/13 15:33:54, 0.2
905, 2017/06/13 15:34:04, 0.2
906, 2017/06/13 15:34:14, 0.2
907, 2017/06/13 15:34:24, 0.2
908, 2017/06/13 15:34:34, 0.2
909, 2017/06/13 15:34:44, 0.2
910, 2017/06/13 15:34:54, 0.2
911, 2017/06/13 15:35:04, 0.2
912, 2017/06/13 15:35:14, 0.2
913, 2017/06/13 15:35:24, 0.2
914, 2017/06/13 15:35:34, 0.2
915, 2017/06/13 15:35:44, 0.2
916, 2017/06/13 15:35:54, 0.2
917, 2017/06/13 15:36:04, 0.2
918, 2017/06/13 15:36:14, 0.2
919, 2017/06/13 15:36:24, 0.2
920, 2017/06/13 15:36:34, 0.2
921, 2017/06/13 15:36:44, 0.2
922, 2017/06/13 15:36:54, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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923, 2017/06/13 15:37:04, 0.2
924, 2017/06/13 15:37:14, 0.2
925, 2017/06/13 15:37:24, 0.2
926, 2017/06/13 15:37:34, 0.2
927, 2017/06/13 15:37:44, 0.2
928, 2017/06/13 15:37:54, 0.2
929, 2017/06/13 15:38:04, 0.2
930, 2017/06/13 15:38:14, 0.2
931, 2017/06/13 15:38:24, 0.2
932, 2017/06/13 15:38:34, 0.2
933, 2017/06/13 15:38:44, 0.2
934, 2017/06/13 15:38:54, 0.2
935, 2017/06/13 15:39:04, 0.2
936, 2017/06/13 15:39:14, 0.2
937, 2017/06/13 15:39:24, 0.2
938, 2017/06/13 15:39:34, 0.2
939, 2017/06/13 15:39:44, 0.2
940, 2017/06/13 15:39:54, 0.2
941, 2017/06/13 15:40:04, 0.2
942, 2017/06/13 15:40:14, 0.2
943, 2017/06/13 15:40:24, 0.2
944, 2017/06/13 15:40:34, 0.2
945, 2017/06/13 15:40:44, 0.2
946, 2017/06/13 15:40:54, 0.2
947, 2017/06/13 15:41:04, 0.2
948, 2017/06/13 15:41:14, 0.2
949, 2017/06/13 15:41:24, 0.2
950, 2017/06/13 15:41:34, 0.2
951, 2017/06/13 15:41:44, 0.2
952, 2017/06/13 15:41:54, 0.2
953, 2017/06/13 15:42:04, 0.2
954, 2017/06/13 15:42:14, 0.2
955, 2017/06/13 15:42:24, 0.2
956, 2017/06/13 15:42:34, 0.2
957, 2017/06/13 15:42:44, 0.2
958, 2017/06/13 15:42:54, 0.2
959, 2017/06/13 15:43:04, 0.2
960, 2017/06/13 15:43:14, 0.2
961, 2017/06/13 15:43:24, 0.2
962, 2017/06/13 15:43:34, 0.2
963, 2017/06/13 15:43:44, 0.2
964, 2017/06/13 15:43:54, 0.2
965, 2017/06/13 15:44:04, 0.2
966, 2017/06/13 15:44:14, 0.2
967, 2017/06/13 15:44:24, 0.2
968, 2017/06/13 15:44:34, 0.2
969, 2017/06/13 15:44:44, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

970, 2017/06/13 15:44:54, 0.2
971, 2017/06/13 15:45:04, 0.2
972, 2017/06/13 15:45:14, 0.2
973, 2017/06/13 15:45:24, 0.2
974, 2017/06/13 15:45:34, 0.2
975, 2017/06/13 15:45:44, 0.2
976, 2017/06/13 15:45:54, 0.2
977, 2017/06/13 15:46:04, 0.2
978, 2017/06/13 15:46:14, 0.2
979, 2017/06/13 15:46:24, 0.2
980, 2017/06/13 15:46:34, 0.2
981, 2017/06/13 15:46:44, 0.2
982, 2017/06/13 15:46:54, 0.2
983, 2017/06/13 15:47:04, 0.2
984, 2017/06/13 15:47:14, 0.2
985, 2017/06/13 15:47:24, 0.2
986, 2017/06/13 15:47:34, 0.2
987, 2017/06/13 15:47:44, 0.2
988, 2017/06/13 15:47:54, 0.2
989, 2017/06/13 15:48:04, 0.2
990, 2017/06/13 15:48:14, 0.2
991, 2017/06/13 15:48:24, 0.2
992, 2017/06/13 15:48:34, 0.2
993, 2017/06/13 15:48:44, 0.2
994, 2017/06/13 15:48:54, 0.2
995, 2017/06/13 15:49:04, 0.2
996, 2017/06/13 15:49:14, 0.2
997, 2017/06/13 15:49:24, 0.2
998, 2017/06/13 15:49:34, 0.2
999, 2017/06/13 15:49:44, 0.2
1000, 2017/06/13 15:49:54, 0.2
1001, 2017/06/13 15:50:04, 0.2
1002, 2017/06/13 15:50:14, 0.2
1003, 2017/06/13 15:50:24, 0.2
1004, 2017/06/13 15:50:34, 0.2
1005, 2017/06/13 15:50:44, 0.2
1006, 2017/06/13 15:50:54, 0.2
1007, 2017/06/13 15:51:04, 0.2
1008, 2017/06/13 15:51:14, 0.2
1009, 2017/06/13 15:51:24, 0.2
1010, 2017/06/13 15:51:34, 0.2
1011, 2017/06/13 15:51:44, 0.2
1012, 2017/06/13 15:51:54, 0.2
1013, 2017/06/13 15:52:04, 0.2
1014, 2017/06/13 15:52:14, 0.2
1015, 2017/06/13 15:52:24, 0.2
1016, 2017/06/13 15:52:34, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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1017, 2017/06/13 15:52:44, 0.2
1018, 2017/06/13 15:52:54, 0.2
1019, 2017/06/13 15:53:04, 0.2
1020, 2017/06/13 15:53:14, 0.2
1021, 2017/06/13 15:53:24, 0.2
1022, 2017/06/13 15:53:34, 0.2
1023, 2017/06/13 15:53:44, 0.2
1024, 2017/06/13 15:53:54, 0.2
1025, 2017/06/13 15:54:04, 0.2
1026, 2017/06/13 15:54:14, 0.2
1027, 2017/06/13 15:54:24, 0.2
1028, 2017/06/13 15:54:34, 0.2
1029, 2017/06/13 15:54:44, 0.2
1030, 2017/06/13 15:54:54, 0.2
1031, 2017/06/13 15:55:04, 0.2
1032, 2017/06/13 15:55:14, 0.2
1033, 2017/06/13 15:55:24, 0.2
1034, 2017/06/13 15:55:34, 0.2
1035, 2017/06/13 15:55:44, 0.2
1036, 2017/06/13 15:55:54, 0.2
1037, 2017/06/13 15:56:04, 0.2
1038, 2017/06/13 15:56:14, 0.2
1039, 2017/06/13 15:56:24, 0.2
1040, 2017/06/13 15:56:34, 0.2
1041, 2017/06/13 15:56:44, 0.2
1042, 2017/06/13 15:56:54, 0.2
1043, 2017/06/13 15:57:04, 0.2
1044, 2017/06/13 15:57:14, 0.2
1045, 2017/06/13 15:57:24, 0.2
1046, 2017/06/13 15:57:34, 0.2
1047, 2017/06/13 15:57:44, 0.2
1048, 2017/06/13 15:57:54, 0.2
1049, 2017/06/13 15:58:04, 0.2
1050, 2017/06/13 15:58:14, 0.2
1051, 2017/06/13 15:58:24, 0.2
1052, 2017/06/13 15:58:34, 0.2
1053, 2017/06/13 15:58:44, 0.2
1054, 2017/06/13 15:58:54, 0.2
1055, 2017/06/13 15:59:04, 0.2
1056, 2017/06/13 15:59:14, 0.2
1057, 2017/06/13 15:59:24, 0.2
1058, 2017/06/13 15:59:34, 0.2
1059, 2017/06/13 15:59:44, 0.2
1060, 2017/06/13 15:59:54, 0.2
1061, 2017/06/13 16:00:04, 0.2
1062, 2017/06/13 16:00:14, 0.2
1063, 2017/06/13 16:00:24, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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1064, 2017/06/13 16:00:34, 0.2
1065, 2017/06/13 16:00:44, 0.2
1066, 2017/06/13 16:00:54, 0.2
1067, 2017/06/13 16:01:04, 0.2
1068, 2017/06/13 16:01:14, 0.2
1069, 2017/06/13 16:01:24, 0.2
1070, 2017/06/13 16:01:34, 0.2
1071, 2017/06/13 16:01:44, 0.2
1072, 2017/06/13 16:01:54, 0.2
1073, 2017/06/13 16:02:04, 0.2
1074, 2017/06/13 16:02:14, 0.2
1075, 2017/06/13 16:02:24, 0.2
1076, 2017/06/13 16:02:34, 0.2
1077, 2017/06/13 16:02:44, 0.2
1078, 2017/06/13 16:02:54, 0.2
1079, 2017/06/13 16:03:04, 0.2
1080, 2017/06/13 16:03:14, 0.2
1081, 2017/06/13 16:03:24, 0.2
1082, 2017/06/13 16:03:34, 0.2
1083, 2017/06/13 16:03:44, 0.2
1084, 2017/06/13 16:03:54, 0.2
1085, 2017/06/13 16:04:04, 0.2
1086, 2017/06/13 16:04:14, 0.2
1087, 2017/06/13 16:04:24, 0.2
1088, 2017/06/13 16:04:34, 0.2
1089, 2017/06/13 16:04:44, 0.2
1090, 2017/06/13 16:04:54, 0.2
1091, 2017/06/13 16:05:04, 0.2
1092, 2017/06/13 16:05:14, 0.2
1093, 2017/06/13 16:05:24, 0.2
1094, 2017/06/13 16:05:34, 0.2
1095, 2017/06/13 16:05:44, 0.2
1096, 2017/06/13 16:05:54, 0.2
1097, 2017/06/13 16:06:04, 0.2
1098, 2017/06/13 16:06:14, 0.2
1099, 2017/06/13 16:06:24, 0.2
1100, 2017/06/13 16:06:34, 0.2
1101, 2017/06/13 16:06:44, 0.2
1102, 2017/06/13 16:06:54, 0.2
1103, 2017/06/13 16:07:04, 0.2
1104, 2017/06/13 16:07:14, 0.2
1105, 2017/06/13 16:07:24, 0.2
1106, 2017/06/13 16:07:34, 0.2
1107, 2017/06/13 16:07:44, 0.2
1108, 2017/06/13 16:07:54, 0.2
1109, 2017/06/13 16:08:04, 0.2
1110, 2017/06/13 16:08:14, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

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1111, 2017/06/13 16:08:24, 0.2
1112, 2017/06/13 16:08:34, 0.2
1113, 2017/06/13 16:08:44, 0.2
1114, 2017/06/13 16:08:54, 0.2
1115, 2017/06/13 16:09:04, 0.2
1116, 2017/06/13 16:09:14, 0.2
1117, 2017/06/13 16:09:24, 0.2
1118, 2017/06/13 16:09:34, 0.2
1119, 2017/06/13 16:09:44, 0.2
1120, 2017/06/13 16:09:54, 0.2
1121, 2017/06/13 16:10:04, 0.2
1122, 2017/06/13 16:10:14, 0.2
1123, 2017/06/13 16:10:24, 0.2
1124, 2017/06/13 16:10:34, 0.2
1125, 2017/06/13 16:10:44, 0.2
1126, 2017/06/13 16:10:54, 0.2
1127, 2017/06/13 16:11:04, 0.2
Peak, , 0.3
Min, , 0.2
Average, , 0.2

==========

17/06/14 08:12

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-919032
Unit Firmware Ver	V2.14
Running Mode	Hygiene Mode
Datalog Mode	Manual
Diagnostic Mode	No
Stop Reason	Stop by User
Site ID	RAE00000
User ID	USER0000
Begin	6/14/2017 8:12
End	6/14/2017 8:12
Sample Period(s)	10
Number of Records	0
Sensor	PID(ppm)
Sensor SN	S023030206U3
Measure Type	Avg
Span	100

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	6/14/2017 7:31

Datalog

0 record.

17/06/14 08:13

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-919032
Unit Firmware Ver	V2.14
Running Mode	Hygiene Mode
Datalog Mode	Manual
Diagnostic Mode	No
Stop Reason	Stop by User
Site ID	RAE00000
User ID	USER0000
Begin	6/14/2017 8:13
End	6/14/2017 9:46
Sample Period(s)	10
Number of Records	556
Sensor	PID(ppm)
Sensor SN	S023030206U3
Measure Type	Avg
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

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Calibration Time	6/14/2017 7:31
Peak	N/A
Min	N/A
Average	N/A

****

Datalog
, , PID(ppm)
Index, Date/Time, (Avg)
001, 2017/06/14 08:13:48, 0.0
002, 2017/06/14 08:13:58, 0.0
003, 2017/06/14 08:14:08, 0.0
004, 2017/06/14 08:14:18, 0.0
005, 2017/06/14 08:14:28, 0.0
006, 2017/06/14 08:14:38, 0.0
007, 2017/06/14 08:14:48, 0.0
008, 2017/06/14 08:14:58, 0.0
009, 2017/06/14 08:15:08, 0.0
010, 2017/06/14 08:15:18, 0.0
011, 2017/06/14 08:15:28, 0.0
012, 2017/06/14 08:15:38, 0.0
013, 2017/06/14 08:15:48, 0.0
014, 2017/06/14 08:15:58, 0.0
015, 2017/06/14 08:16:08, 0.0
016, 2017/06/14 08:16:18, 0.0
017, 2017/06/14 08:16:28, 0.0
018, 2017/06/14 08:16:38, 0.0
019, 2017/06/14 08:16:48, 0.0
020, 2017/06/14 08:16:58, 0.0
021, 2017/06/14 08:17:08, 0.0
022, 2017/06/14 08:17:18, 0.0
023, 2017/06/14 08:17:28, 0.0
024, 2017/06/14 08:17:38, 0.0
025, 2017/06/14 08:17:48, 0.0
026, 2017/06/14 08:17:58, 0.0
027, 2017/06/14 08:18:08, 0.0
028, 2017/06/14 08:18:18, 0.0
029, 2017/06/14 08:18:28, 0.0
030, 2017/06/14 08:18:38, 0.0
031, 2017/06/14 08:18:48, 0.0
032, 2017/06/14 08:18:58, 0.0
033, 2017/06/14 08:19:08, 0.0
034, 2017/06/14 08:19:18, 0.0
035, 2017/06/14 08:19:28, 0.0
036, 2017/06/14 08:19:38, 0.0
037, 2017/06/14 08:19:48, 0.0
038, 2017/06/14 08:19:58, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

039, 2017/06/14 08:20:08, 0.0
040, 2017/06/14 08:20:18, 0.0
041, 2017/06/14 08:20:28, 0.0
042, 2017/06/14 08:20:38, 0.0
043, 2017/06/14 08:20:48, 0.0
044, 2017/06/14 08:20:58, 0.0
045, 2017/06/14 08:21:08, 0.0
046, 2017/06/14 08:21:18, 0.0
047, 2017/06/14 08:21:28, 0.0
048, 2017/06/14 08:21:38, 0.0
049, 2017/06/14 08:21:48, 0.0
050, 2017/06/14 08:21:58, 0.0
051, 2017/06/14 08:22:08, 0.0
052, 2017/06/14 08:22:18, 0.0
053, 2017/06/14 08:22:28, 0.0
054, 2017/06/14 08:22:38, 0.0
055, 2017/06/14 08:22:48, 0.0
056, 2017/06/14 08:22:58, 0.0
057, 2017/06/14 08:23:08, 0.0
058, 2017/06/14 08:23:18, 0.0
059, 2017/06/14 08:23:28, 0.0
060, 2017/06/14 08:23:38, 0.1
061, 2017/06/14 08:23:48, 0.0
062, 2017/06/14 08:23:58, 0.0
063, 2017/06/14 08:24:08, 0.0
064, 2017/06/14 08:24:18, 0.0
065, 2017/06/14 08:24:28, 0.0
066, 2017/06/14 08:24:38, 0.0
067, 2017/06/14 08:24:48, 0.0
068, 2017/06/14 08:24:58, 0.0
069, 2017/06/14 08:25:08, 0.0
070, 2017/06/14 08:25:18, 0.0
071, 2017/06/14 08:25:28, 0.0
072, 2017/06/14 08:25:38, 0.0
073, 2017/06/14 08:25:48, 0.0
074, 2017/06/14 08:25:58, 0.0
075, 2017/06/14 08:26:08, 0.0
076, 2017/06/14 08:26:18, 0.0
077, 2017/06/14 08:26:28, 0.0
078, 2017/06/14 08:26:38, 0.0
079, 2017/06/14 08:26:48, 0.0
080, 2017/06/14 08:26:58, 0.0
081, 2017/06/14 08:27:08, 0.0
082, 2017/06/14 08:27:18, 0.0
083, 2017/06/14 08:27:28, 0.0
084, 2017/06/14 08:27:38, 0.0
085, 2017/06/14 08:27:48, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

086, 2017/06/14 08:27:58, 0.0
087, 2017/06/14 08:28:08, 0.0
088, 2017/06/14 08:28:18, 0.0
089, 2017/06/14 08:28:28, 0.0
090, 2017/06/14 08:28:38, 0.0
091, 2017/06/14 08:28:48, 0.0
092, 2017/06/14 08:28:58, 0.0
093, 2017/06/14 08:29:08, 0.0
094, 2017/06/14 08:29:18, 0.0
095, 2017/06/14 08:29:28, 0.0
096, 2017/06/14 08:29:38, 0.0
097, 2017/06/14 08:29:48, 0.0
098, 2017/06/14 08:29:58, 0.0
099, 2017/06/14 08:30:08, 0.0
100, 2017/06/14 08:30:18, 0.0
101, 2017/06/14 08:30:28, 0.0
102, 2017/06/14 08:30:38, 0.0
103, 2017/06/14 08:30:48, 0.0
104, 2017/06/14 08:30:58, 0.0
105, 2017/06/14 08:31:08, 0.0
106, 2017/06/14 08:31:18, 0.0
107, 2017/06/14 08:31:28, 0.0
108, 2017/06/14 08:31:38, 0.0
109, 2017/06/14 08:31:48, 0.0
110, 2017/06/14 08:31:58, 0.0
111, 2017/06/14 08:32:08, 0.0
112, 2017/06/14 08:32:18, 0.0
113, 2017/06/14 08:32:28, 0.0
114, 2017/06/14 08:32:38, 0.0
115, 2017/06/14 08:32:48, 0.0
116, 2017/06/14 08:32:58, 0.0
117, 2017/06/14 08:33:08, 0.0
118, 2017/06/14 08:33:18, 0.0
119, 2017/06/14 08:33:28, 0.0
120, 2017/06/14 08:33:38, 0.0
121, 2017/06/14 08:33:48, 0.0
122, 2017/06/14 08:33:58, 0.0
123, 2017/06/14 08:34:08, 0.0
124, 2017/06/14 08:34:18, 0.0
125, 2017/06/14 08:34:28, 0.0
126, 2017/06/14 08:34:38, 0.0
127, 2017/06/14 08:34:48, 0.0
128, 2017/06/14 08:34:58, 0.0
129, 2017/06/14 08:35:08, 0.0
130, 2017/06/14 08:35:18, 0.0
131, 2017/06/14 08:35:28, 0.0
132, 2017/06/14 08:35:38, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

133, 2017/06/14 08:35:48, 0.0
134, 2017/06/14 08:35:58, 0.0
135, 2017/06/14 08:36:08, 0.0
136, 2017/06/14 08:36:18, 0.0
137, 2017/06/14 08:36:28, 0.0
138, 2017/06/14 08:36:38, 0.0
139, 2017/06/14 08:36:48, 0.0
140, 2017/06/14 08:36:58, 0.0
141, 2017/06/14 08:37:08, 0.0
142, 2017/06/14 08:37:18, 0.0
143, 2017/06/14 08:37:28, 0.0
144, 2017/06/14 08:37:38, 0.0
145, 2017/06/14 08:37:48, 0.0
146, 2017/06/14 08:37:58, 0.0
147, 2017/06/14 08:38:08, 0.0
148, 2017/06/14 08:38:18, 0.0
149, 2017/06/14 08:38:28, 0.0
150, 2017/06/14 08:38:38, 0.0
151, 2017/06/14 08:38:48, 0.0
152, 2017/06/14 08:38:58, 0.0
153, 2017/06/14 08:39:08, 0.0
154, 2017/06/14 08:39:18, 0.0
155, 2017/06/14 08:39:28, 0.0
156, 2017/06/14 08:39:38, 0.0
157, 2017/06/14 08:39:48, 0.0
158, 2017/06/14 08:39:58, 0.0
159, 2017/06/14 08:40:08, 0.0
160, 2017/06/14 08:40:18, 0.0
161, 2017/06/14 08:40:28, 0.0
162, 2017/06/14 08:40:38, 0.0
163, 2017/06/14 08:40:48, 0.0
164, 2017/06/14 08:40:58, 0.0
165, 2017/06/14 08:41:08, 0.1
166, 2017/06/14 08:41:18, 0.1
167, 2017/06/14 08:41:28, 0.1
168, 2017/06/14 08:41:38, 0.0
169, 2017/06/14 08:41:48, 0.0
170, 2017/06/14 08:41:58, 0.0
171, 2017/06/14 08:42:08, 0.0
172, 2017/06/14 08:42:18, 0.0
173, 2017/06/14 08:42:28, 0.1
174, 2017/06/14 08:42:38, 0.0
175, 2017/06/14 08:42:48, 0.1
176, 2017/06/14 08:42:58, 0.1
177, 2017/06/14 08:43:08, 0.0
178, 2017/06/14 08:43:18, 0.0
179, 2017/06/14 08:43:28, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

180, 2017/06/14 08:43:38, 0.1
181, 2017/06/14 08:43:48, 0.0
182, 2017/06/14 08:43:58, 0.0
183, 2017/06/14 08:44:08, 0.0
184, 2017/06/14 08:44:18, 0.0
185, 2017/06/14 08:44:28, 0.1
186, 2017/06/14 08:44:38, 0.1
187, 2017/06/14 08:44:48, 0.0
188, 2017/06/14 08:44:58, 0.0
189, 2017/06/14 08:45:08, 0.0
190, 2017/06/14 08:45:18, 0.0
191, 2017/06/14 08:45:28, 0.1
192, 2017/06/14 08:45:38, 0.1
193, 2017/06/14 08:45:48, 0.0
194, 2017/06/14 08:45:58, 0.1
195, 2017/06/14 08:46:08, 0.0
196, 2017/06/14 08:46:18, 0.1
197, 2017/06/14 08:46:28, 0.1
198, 2017/06/14 08:46:38, 0.1
199, 2017/06/14 08:46:48, 0.1
200, 2017/06/14 08:46:58, 0.0
201, 2017/06/14 08:47:08, 0.0
202, 2017/06/14 08:47:18, 0.0
203, 2017/06/14 08:47:28, 0.0
204, 2017/06/14 08:47:38, 0.1
205, 2017/06/14 08:47:48, 0.1
206, 2017/06/14 08:47:58, 0.1
207, 2017/06/14 08:48:08, 0.0
208, 2017/06/14 08:48:18, 0.0
209, 2017/06/14 08:48:28, 0.0
210, 2017/06/14 08:48:38, 0.0
211, 2017/06/14 08:48:48, 0.1
212, 2017/06/14 08:48:58, 0.1
213, 2017/06/14 08:49:08, 0.0
214, 2017/06/14 08:49:18, 0.0
215, 2017/06/14 08:49:28, 0.1
216, 2017/06/14 08:49:38, 0.0
217, 2017/06/14 08:49:48, 0.1
218, 2017/06/14 08:49:58, 0.1
219, 2017/06/14 08:50:08, 0.1
220, 2017/06/14 08:50:18, 0.1
221, 2017/06/14 08:50:28, 0.1
222, 2017/06/14 08:50:38, 0.1
223, 2017/06/14 08:50:48, 0.1
224, 2017/06/14 08:50:58, 0.1
225, 2017/06/14 08:51:08, 0.1
226, 2017/06/14 08:51:18, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

227, 2017/06/14 08:51:28, 0.0
228, 2017/06/14 08:51:38, 0.0
229, 2017/06/14 08:51:48, 0.1
230, 2017/06/14 08:51:58, 0.1
231, 2017/06/14 08:52:08, 0.1
232, 2017/06/14 08:52:18, 0.1
233, 2017/06/14 08:52:28, 0.1
234, 2017/06/14 08:52:38, 0.1
235, 2017/06/14 08:52:48, 0.1
236, 2017/06/14 08:52:58, 0.1
237, 2017/06/14 08:53:08, 0.1
238, 2017/06/14 08:53:18, 0.1
239, 2017/06/14 08:53:28, 0.1
240, 2017/06/14 08:53:38, 0.1
241, 2017/06/14 08:53:48, 0.1
242, 2017/06/14 08:53:58, 0.1
243, 2017/06/14 08:54:08, 0.1
244, 2017/06/14 08:54:18, 0.0
245, 2017/06/14 08:54:28, 0.0
246, 2017/06/14 08:54:38, 0.1
247, 2017/06/14 08:54:48, 0.1
248, 2017/06/14 08:54:58, 0.1
249, 2017/06/14 08:55:08, 0.1
250, 2017/06/14 08:55:18, 0.0
251, 2017/06/14 08:55:28, 0.1
252, 2017/06/14 08:55:38, 0.1
253, 2017/06/14 08:55:48, 0.1
254, 2017/06/14 08:55:58, 0.1
255, 2017/06/14 08:56:08, 0.1
256, 2017/06/14 08:56:18, 0.1
257, 2017/06/14 08:56:28, 0.1
258, 2017/06/14 08:56:38, 0.1
259, 2017/06/14 08:56:48, 0.1
260, 2017/06/14 08:56:58, 0.1
261, 2017/06/14 08:57:08, 0.1
262, 2017/06/14 08:57:18, 0.1
263, 2017/06/14 08:57:28, 0.1
264, 2017/06/14 08:57:38, 0.1
265, 2017/06/14 08:57:48, 0.1
266, 2017/06/14 08:57:58, 0.1
267, 2017/06/14 08:58:08, 0.1
268, 2017/06/14 08:58:18, 0.1
269, 2017/06/14 08:58:28, 0.1
270, 2017/06/14 08:58:38, 0.0
271, 2017/06/14 08:58:48, 0.1
272, 2017/06/14 08:58:58, 0.1
273, 2017/06/14 08:59:08, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

274, 2017/06/14 08:59:18, 0.1
275, 2017/06/14 08:59:28, 0.1
276, 2017/06/14 08:59:38, 0.1
277, 2017/06/14 08:59:48, 0.1
278, 2017/06/14 08:59:58, 0.1
279, 2017/06/14 09:00:08, 0.1
280, 2017/06/14 09:00:18, 0.1
281, 2017/06/14 09:00:28, 0.1
282, 2017/06/14 09:00:38, 0.1
283, 2017/06/14 09:00:48, 0.1
284, 2017/06/14 09:00:58, 0.1
285, 2017/06/14 09:01:08, 0.1
286, 2017/06/14 09:01:18, 0.1
287, 2017/06/14 09:01:28, 0.1
288, 2017/06/14 09:01:38, 0.1
289, 2017/06/14 09:01:48, 0.1
290, 2017/06/14 09:01:58, 0.1
291, 2017/06/14 09:02:08, 0.1
292, 2017/06/14 09:02:18, 0.1
293, 2017/06/14 09:02:28, 0.1
294, 2017/06/14 09:02:38, 0.1
295, 2017/06/14 09:02:48, 0.1
296, 2017/06/14 09:02:58, 0.1
297, 2017/06/14 09:03:08, 0.1
298, 2017/06/14 09:03:18, 0.1
299, 2017/06/14 09:03:28, 0.1
300, 2017/06/14 09:03:38, 0.1
301, 2017/06/14 09:03:48, 0.1
302, 2017/06/14 09:03:58, 0.1
303, 2017/06/14 09:04:08, 0.1
304, 2017/06/14 09:04:18, 0.1
305, 2017/06/14 09:04:28, 0.1
306, 2017/06/14 09:04:38, 0.1
307, 2017/06/14 09:04:48, 0.1
308, 2017/06/14 09:04:58, 0.1
309, 2017/06/14 09:05:08, 0.1
310, 2017/06/14 09:05:18, 0.1
311, 2017/06/14 09:05:28, 0.1
312, 2017/06/14 09:05:38, 0.1
313, 2017/06/14 09:05:48, 0.1
314, 2017/06/14 09:05:58, 0.1
315, 2017/06/14 09:06:08, 0.1
316, 2017/06/14 09:06:18, 0.1
317, 2017/06/14 09:06:28, 0.1
318, 2017/06/14 09:06:38, 0.1
319, 2017/06/14 09:06:48, 0.1
320, 2017/06/14 09:06:58, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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321, 2017/06/14 09:07:08, 0.1
322, 2017/06/14 09:07:18, 0.1
323, 2017/06/14 09:07:28, 0.1
324, 2017/06/14 09:07:38, 0.1
325, 2017/06/14 09:07:48, 0.1
326, 2017/06/14 09:07:58, 0.1
327, 2017/06/14 09:08:08, 0.1
328, 2017/06/14 09:08:18, 0.1
329, 2017/06/14 09:08:28, 0.1
330, 2017/06/14 09:08:38, 0.1
331, 2017/06/14 09:08:48, 0.1
332, 2017/06/14 09:08:58, 0.1
333, 2017/06/14 09:09:08, 0.1
334, 2017/06/14 09:09:18, 0.1
335, 2017/06/14 09:09:28, 0.1
336, 2017/06/14 09:09:38, 0.1
337, 2017/06/14 09:09:48, 0.1
338, 2017/06/14 09:09:58, 0.1
339, 2017/06/14 09:10:08, 0.1
340, 2017/06/14 09:10:18, 0.1
341, 2017/06/14 09:10:28, 0.1
342, 2017/06/14 09:10:38, 0.1
343, 2017/06/14 09:10:48, 0.1
344, 2017/06/14 09:10:58, 0.1
345, 2017/06/14 09:11:08, 0.1
346, 2017/06/14 09:11:18, 0.1
347, 2017/06/14 09:11:28, 0.1
348, 2017/06/14 09:11:38, 0.1
349, 2017/06/14 09:11:48, 0.1
350, 2017/06/14 09:11:58, 0.1
351, 2017/06/14 09:12:08, 0.1
352, 2017/06/14 09:12:18, 0.1
353, 2017/06/14 09:12:28, 0.1
354, 2017/06/14 09:12:38, 0.1
355, 2017/06/14 09:12:48, 0.1
356, 2017/06/14 09:12:58, 0.1
357, 2017/06/14 09:13:08, 0.1
358, 2017/06/14 09:13:18, 0.1
359, 2017/06/14 09:13:28, 0.1
360, 2017/06/14 09:13:38, 0.1
361, 2017/06/14 09:13:48, 0.1
362, 2017/06/14 09:13:58, 0.1
363, 2017/06/14 09:14:08, 0.1
364, 2017/06/14 09:14:18, 0.1
365, 2017/06/14 09:14:28, 0.1
366, 2017/06/14 09:14:38, 0.1
367, 2017/06/14 09:14:48, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

368, 2017/06/14 09:14:58, 0.1
369, 2017/06/14 09:15:08, 0.1
370, 2017/06/14 09:15:18, 0.1
371, 2017/06/14 09:15:28, 0.1
372, 2017/06/14 09:15:38, 0.1
373, 2017/06/14 09:15:48, 0.1
374, 2017/06/14 09:15:58, 0.1
375, 2017/06/14 09:16:08, 0.1
376, 2017/06/14 09:16:18, 0.1
377, 2017/06/14 09:16:28, 0.1
378, 2017/06/14 09:16:38, 0.1
379, 2017/06/14 09:16:48, 0.1
380, 2017/06/14 09:16:58, 0.1
381, 2017/06/14 09:17:08, 0.1
382, 2017/06/14 09:17:18, 0.1
383, 2017/06/14 09:17:28, 0.1
384, 2017/06/14 09:17:38, 0.1
385, 2017/06/14 09:17:48, 0.1
386, 2017/06/14 09:17:58, 0.1
387, 2017/06/14 09:18:08, 0.1
388, 2017/06/14 09:18:18, 0.1
389, 2017/06/14 09:18:28, 0.1
390, 2017/06/14 09:18:38, 0.1
391, 2017/06/14 09:18:48, 0.1
392, 2017/06/14 09:18:58, 0.1
393, 2017/06/14 09:19:08, 0.1
394, 2017/06/14 09:19:18, 0.1
395, 2017/06/14 09:19:28, 0.1
396, 2017/06/14 09:19:38, 0.1
397, 2017/06/14 09:19:48, 0.1
398, 2017/06/14 09:19:58, 0.1
399, 2017/06/14 09:20:08, 0.1
400, 2017/06/14 09:20:18, 0.1
401, 2017/06/14 09:20:28, 0.1
402, 2017/06/14 09:20:38, 0.1
403, 2017/06/14 09:20:48, 0.1
404, 2017/06/14 09:20:58, 0.0
405, 2017/06/14 09:21:08, 0.1
406, 2017/06/14 09:21:18, 0.1
407, 2017/06/14 09:21:28, 0.1
408, 2017/06/14 09:21:38, 0.1
409, 2017/06/14 09:21:48, 0.1
410, 2017/06/14 09:21:58, 0.1
411, 2017/06/14 09:22:08, 0.1
412, 2017/06/14 09:22:18, 0.1
413, 2017/06/14 09:22:28, 0.1
414, 2017/06/14 09:22:38, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

415, 2017/06/14 09:22:48, 0.1
416, 2017/06/14 09:22:58, 0.0
417, 2017/06/14 09:23:08, 0.1
418, 2017/06/14 09:23:18, 0.1
419, 2017/06/14 09:23:28, 0.1
420, 2017/06/14 09:23:38, 0.0
421, 2017/06/14 09:23:48, 0.0
422, 2017/06/14 09:23:58, 0.0
423, 2017/06/14 09:24:08, 0.0
424, 2017/06/14 09:24:18, 0.0
425, 2017/06/14 09:24:28, 0.0
426, 2017/06/14 09:24:38, 0.0
427, 2017/06/14 09:24:48, 0.0
428, 2017/06/14 09:24:58, 0.0
429, 2017/06/14 09:25:08, 0.1
430, 2017/06/14 09:25:18, 0.1
431, 2017/06/14 09:25:28, 0.1
432, 2017/06/14 09:25:38, 0.1
433, 2017/06/14 09:25:48, 0.1
434, 2017/06/14 09:25:58, 0.1
435, 2017/06/14 09:26:08, 0.1
436, 2017/06/14 09:26:18, 0.1
437, 2017/06/14 09:26:28, 0.1
438, 2017/06/14 09:26:38, 0.1
439, 2017/06/14 09:26:48, 0.1
440, 2017/06/14 09:26:58, 0.1
441, 2017/06/14 09:27:08, 0.0
442, 2017/06/14 09:27:18, 0.0
443, 2017/06/14 09:27:28, 0.0
444, 2017/06/14 09:27:38, 0.0
445, 2017/06/14 09:27:48, 0.1
446, 2017/06/14 09:27:58, 0.0
447, 2017/06/14 09:28:08, 0.0
448, 2017/06/14 09:28:18, 0.1
449, 2017/06/14 09:28:28, 0.1
450, 2017/06/14 09:28:38, 0.1
451, 2017/06/14 09:28:48, 0.0
452, 2017/06/14 09:28:58, 0.1
453, 2017/06/14 09:29:08, 0.1
454, 2017/06/14 09:29:18, 0.1
455, 2017/06/14 09:29:28, 0.1
456, 2017/06/14 09:29:38, 0.1
457, 2017/06/14 09:29:48, 0.1
458, 2017/06/14 09:29:58, 0.0
459, 2017/06/14 09:30:08, 0.1
460, 2017/06/14 09:30:18, 0.1
461, 2017/06/14 09:30:28, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

462, 2017/06/14 09:30:38, 0.0
463, 2017/06/14 09:30:48, 0.0
464, 2017/06/14 09:30:58, 0.0
465, 2017/06/14 09:31:08, 0.0
466, 2017/06/14 09:31:18, 0.0
467, 2017/06/14 09:31:28, 0.0
468, 2017/06/14 09:31:38, 0.0
469, 2017/06/14 09:31:48, 0.0
470, 2017/06/14 09:31:58, 0.0
471, 2017/06/14 09:32:08, 0.0
472, 2017/06/14 09:32:18, 0.0
473, 2017/06/14 09:32:28, 0.1
474, 2017/06/14 09:32:38, 0.1
475, 2017/06/14 09:32:48, 0.1
476, 2017/06/14 09:32:58, 0.0
477, 2017/06/14 09:33:08, 0.0
478, 2017/06/14 09:33:18, 0.0
479, 2017/06/14 09:33:28, 0.1
480, 2017/06/14 09:33:38, 0.1
481, 2017/06/14 09:33:48, 0.1
482, 2017/06/14 09:33:58, 0.1
483, 2017/06/14 09:34:08, 0.1
484, 2017/06/14 09:34:18, 0.1
485, 2017/06/14 09:34:28, 0.1
486, 2017/06/14 09:34:38, 0.0
487, 2017/06/14 09:34:48, 0.0
488, 2017/06/14 09:34:58, 0.0
489, 2017/06/14 09:35:08, 0.1
490, 2017/06/14 09:35:18, 0.1
491, 2017/06/14 09:35:28, 0.1
492, 2017/06/14 09:35:38, 0.0
493, 2017/06/14 09:35:48, 0.1
494, 2017/06/14 09:35:58, 0.0
495, 2017/06/14 09:36:08, 0.0
496, 2017/06/14 09:36:18, 0.0
497, 2017/06/14 09:36:28, 0.1
498, 2017/06/14 09:36:38, 0.0
499, 2017/06/14 09:36:48, 0.0
500, 2017/06/14 09:36:58, 0.0
501, 2017/06/14 09:37:08, 0.0
502, 2017/06/14 09:37:18, 0.0
503, 2017/06/14 09:37:28, 0.0
504, 2017/06/14 09:37:38, 0.0
505, 2017/06/14 09:37:48, 0.0
506, 2017/06/14 09:37:58, 0.0
507, 2017/06/14 09:38:08, 0.0
508, 2017/06/14 09:38:18, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

509, 2017/06/14 09:38:28, 0.0
510, 2017/06/14 09:38:38, 0.0
511, 2017/06/14 09:38:48, 0.0
512, 2017/06/14 09:38:58, 0.0
513, 2017/06/14 09:39:08, 0.0
514, 2017/06/14 09:39:18, 0.0
515, 2017/06/14 09:39:28, 0.1
516, 2017/06/14 09:39:38, 0.1
517, 2017/06/14 09:39:48, 0.1
518, 2017/06/14 09:39:58, 0.0
519, 2017/06/14 09:40:08, 0.0
520, 2017/06/14 09:40:18, 0.0
521, 2017/06/14 09:40:28, 0.0
522, 2017/06/14 09:40:38, 0.1
523, 2017/06/14 09:40:48, 0.1
524, 2017/06/14 09:40:58, 0.0
525, 2017/06/14 09:41:08, 0.0
526, 2017/06/14 09:41:18, 0.0
527, 2017/06/14 09:41:28, 0.0
528, 2017/06/14 09:41:38, 0.0
529, 2017/06/14 09:41:48, 0.0
530, 2017/06/14 09:41:58, 0.1
531, 2017/06/14 09:42:08, 0.1
532, 2017/06/14 09:42:18, 0.1
533, 2017/06/14 09:42:28, 0.1
534, 2017/06/14 09:42:38, 0.1
535, 2017/06/14 09:42:48, 0.1
536, 2017/06/14 09:42:58, 0.0
537, 2017/06/14 09:43:08, 0.0
538, 2017/06/14 09:43:18, 0.1
539, 2017/06/14 09:43:28, 0.0
540, 2017/06/14 09:43:38, 0.1
541, 2017/06/14 09:43:48, 0.1
542, 2017/06/14 09:43:58, 0.1
543, 2017/06/14 09:44:08, 0.1
544, 2017/06/14 09:44:18, 0.1
545, 2017/06/14 09:44:28, 0.1
546, 2017/06/14 09:44:38, 0.0
547, 2017/06/14 09:44:48, 0.0
548, 2017/06/14 09:44:58, 0.0
549, 2017/06/14 09:45:08, 0.0
550, 2017/06/14 09:45:18, 0.0
551, 2017/06/14 09:45:28, 0.1
552, 2017/06/14 09:45:38, 0.0
553, 2017/06/14 09:45:48, 0.0
554, 2017/06/14 09:45:58, 0.1
555, 2017/06/14 09:46:08, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

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556, 2017/06/14 09:46:18, 0.1
Peak, , 0.1
Min, , 0.0
Average, , 0.1

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17/06/14 10:57

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-919032
Unit Firmware Ver	V2.14
Running Mode	Hygiene Mode
Datalog Mode	Manual
Diagnostic Mode	No
Stop Reason	Stop by User
Site ID	RAE00000
User ID	USER0000
Begin	6/14/2017 10:57
End	6/14/2017 11:04
Sample Period(s)	10
Number of Records	42
Sensor	PID(ppm)
Sensor SN	S023030206U3
Measure Type	Avg
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	6/14/2017 7:31
Peak	N/A
Min	N/A
Average	N/A

****

Datalog
, , PID(ppm)
Index, Date/Time, (Avg)

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

==========

001, 2017/06/14 10:57:15, 0.1
002, 2017/06/14 10:57:25, 0.1
003, 2017/06/14 10:57:35, 0.1
004, 2017/06/14 10:57:45, 0.1
005, 2017/06/14 10:57:55, 0.1
006, 2017/06/14 10:58:05, 0.1
007, 2017/06/14 10:58:15, 0.1
008, 2017/06/14 10:58:25, 0.1
009, 2017/06/14 10:58:35, 0.1
010, 2017/06/14 10:58:45, 0.1
011, 2017/06/14 10:58:55, 0.1
012, 2017/06/14 10:59:05, 0.1
013, 2017/06/14 10:59:15, 0.1
014, 2017/06/14 10:59:25, 0.1
015, 2017/06/14 10:59:35, 0.1
016, 2017/06/14 10:59:45, 0.1
017, 2017/06/14 10:59:55, 0.1
018, 2017/06/14 11:00:05, 0.1
019, 2017/06/14 11:00:15, 0.1
020, 2017/06/14 11:00:25, 0.1
021, 2017/06/14 11:00:35, 0.1
022, 2017/06/14 11:00:45, 0.1
023, 2017/06/14 11:00:55, 0.1
024, 2017/06/14 11:01:05, 0.1
025, 2017/06/14 11:01:15, 0.1
026, 2017/06/14 11:01:25, 0.1
027, 2017/06/14 11:01:35, 0.1
028, 2017/06/14 11:01:45, 0.1
029, 2017/06/14 11:01:55, 0.1
030, 2017/06/14 11:02:05, 0.1
031, 2017/06/14 11:02:15, 0.1
032, 2017/06/14 11:02:25, 0.1
033, 2017/06/14 11:02:35, 0.1
034, 2017/06/14 11:02:45, 0.1
035, 2017/06/14 11:02:55, 0.1
036, 2017/06/14 11:03:05, 0.1
037, 2017/06/14 11:03:15, 0.1
038, 2017/06/14 11:03:25, 0.1
039, 2017/06/14 11:03:35, 0.1
040, 2017/06/14 11:03:45, 0.1
041, 2017/06/14 11:03:55, 0.1
042, 2017/06/14 11:04:05, 0.1
Peak, , 0.1
Min, , 0.1
Average, , 0.1

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Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000

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17/06/14 11:09

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-919032
Unit Firmware Ver	V2.14
Running Mode	Hygiene Mode
Datalog Mode	Manual
Diagnostic Mode	No
Stop Reason	Stop by User
Site ID	RAE00000
User ID	USER0000
Begin	6/14/2017 11:09
End	6/14/2017 14:23
Sample Period(s)	10
Number of Records	1160
Sensor	PID(ppm)
Sensor SN	S023030206U3
Measure Type	Avg
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	6/14/2017 7:31
Peak	N/A
Min	N/A
Average	N/A

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Datalog

, , PID(ppm)
Index, Date/Time, (Avg)
001, 2017/06/14 11:09:51, 0.1
002, 2017/06/14 11:10:01, 0.1
003, 2017/06/14 11:10:11, 0.1
004, 2017/06/14 11:10:21, 0.1
005, 2017/06/14 11:10:31, 0.1
006, 2017/06/14 11:10:41, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

007, 2017/06/14 11:10:51, 0.1
008, 2017/06/14 11:11:01, 0.1
009, 2017/06/14 11:11:11, 0.1
010, 2017/06/14 11:11:21, 0.1
011, 2017/06/14 11:11:31, 0.1
012, 2017/06/14 11:11:41, 0.1
013, 2017/06/14 11:11:51, 0.1
014, 2017/06/14 11:12:01, 0.1
015, 2017/06/14 11:12:11, 0.1
016, 2017/06/14 11:12:21, 0.1
017, 2017/06/14 11:12:31, 0.1
018, 2017/06/14 11:12:41, 0.1
019, 2017/06/14 11:12:51, 0.1
020, 2017/06/14 11:13:01, 0.1
021, 2017/06/14 11:13:11, 0.1
022, 2017/06/14 11:13:21, 0.1
023, 2017/06/14 11:13:31, 0.1
024, 2017/06/14 11:13:41, 0.1
025, 2017/06/14 11:13:51, 0.1
026, 2017/06/14 11:14:01, 0.1
027, 2017/06/14 11:14:11, 0.1
028, 2017/06/14 11:14:21, 0.1
029, 2017/06/14 11:14:31, 0.1
030, 2017/06/14 11:14:41, 0.1
031, 2017/06/14 11:14:51, 0.1
032, 2017/06/14 11:15:01, 0.1
033, 2017/06/14 11:15:11, 0.1
034, 2017/06/14 11:15:21, 0.1
035, 2017/06/14 11:15:31, 0.1
036, 2017/06/14 11:15:41, 0.1
037, 2017/06/14 11:15:51, 0.1
038, 2017/06/14 11:16:01, 0.1
039, 2017/06/14 11:16:11, 0.1
040, 2017/06/14 11:16:21, 0.1
041, 2017/06/14 11:16:31, 0.1
042, 2017/06/14 11:16:41, 0.1
043, 2017/06/14 11:16:51, 0.1
044, 2017/06/14 11:17:01, 0.1
045, 2017/06/14 11:17:11, 0.1
046, 2017/06/14 11:17:21, 0.1
047, 2017/06/14 11:17:31, 0.1
048, 2017/06/14 11:17:41, 0.1
049, 2017/06/14 11:17:51, 0.1
050, 2017/06/14 11:18:01, 0.1
051, 2017/06/14 11:18:11, 0.1
052, 2017/06/14 11:18:21, 0.1
053, 2017/06/14 11:18:31, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

054, 2017/06/14 11:18:41, 0.1
055, 2017/06/14 11:18:51, 0.1
056, 2017/06/14 11:19:01, 0.1
057, 2017/06/14 11:19:11, 0.1
058, 2017/06/14 11:19:21, 0.1
059, 2017/06/14 11:19:31, 0.1
060, 2017/06/14 11:19:41, 0.1
061, 2017/06/14 11:19:51, 0.1
062, 2017/06/14 11:20:01, 0.1
063, 2017/06/14 11:20:11, 0.1
064, 2017/06/14 11:20:21, 0.1
065, 2017/06/14 11:20:31, 0.1
066, 2017/06/14 11:20:41, 0.1
067, 2017/06/14 11:20:51, 0.1
068, 2017/06/14 11:21:01, 0.1
069, 2017/06/14 11:21:11, 0.1
070, 2017/06/14 11:21:21, 0.1
071, 2017/06/14 11:21:31, 0.1
072, 2017/06/14 11:21:41, 0.1
073, 2017/06/14 11:21:51, 0.1
074, 2017/06/14 11:22:01, 0.1
075, 2017/06/14 11:22:11, 0.1
076, 2017/06/14 11:22:21, 0.1
077, 2017/06/14 11:22:31, 0.1
078, 2017/06/14 11:22:41, 0.1
079, 2017/06/14 11:22:51, 0.1
080, 2017/06/14 11:23:01, 0.1
081, 2017/06/14 11:23:11, 0.1
082, 2017/06/14 11:23:21, 0.1
083, 2017/06/14 11:23:31, 0.1
084, 2017/06/14 11:23:41, 0.1
085, 2017/06/14 11:23:51, 0.1
086, 2017/06/14 11:24:01, 0.1
087, 2017/06/14 11:24:11, 0.1
088, 2017/06/14 11:24:21, 0.1
089, 2017/06/14 11:24:31, 0.1
090, 2017/06/14 11:24:41, 0.1
091, 2017/06/14 11:24:51, 0.1
092, 2017/06/14 11:25:01, 0.1
093, 2017/06/14 11:25:11, 0.1
094, 2017/06/14 11:25:21, 0.1
095, 2017/06/14 11:25:31, 0.1
096, 2017/06/14 11:25:41, 0.1
097, 2017/06/14 11:25:51, 0.1
098, 2017/06/14 11:26:01, 0.1
099, 2017/06/14 11:26:11, 0.1
100, 2017/06/14 11:26:21, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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101, 2017/06/14 11:26:31, 0.1
102, 2017/06/14 11:26:41, 0.1
103, 2017/06/14 11:26:51, 0.1
104, 2017/06/14 11:27:01, 0.1
105, 2017/06/14 11:27:11, 0.1
106, 2017/06/14 11:27:21, 0.1
107, 2017/06/14 11:27:31, 0.1
108, 2017/06/14 11:27:41, 0.1
109, 2017/06/14 11:27:51, 0.1
110, 2017/06/14 11:28:01, 0.1
111, 2017/06/14 11:28:11, 0.1
112, 2017/06/14 11:28:21, 0.1
113, 2017/06/14 11:28:31, 0.1
114, 2017/06/14 11:28:41, 0.1
115, 2017/06/14 11:28:51, 0.1
116, 2017/06/14 11:29:01, 0.1
117, 2017/06/14 11:29:11, 0.1
118, 2017/06/14 11:29:21, 0.1
119, 2017/06/14 11:29:31, 0.1
120, 2017/06/14 11:29:41, 0.1
121, 2017/06/14 11:29:51, 0.1
122, 2017/06/14 11:30:01, 0.1
123, 2017/06/14 11:30:11, 0.1
124, 2017/06/14 11:30:21, 0.1
125, 2017/06/14 11:30:31, 0.1
126, 2017/06/14 11:30:41, 0.1
127, 2017/06/14 11:30:51, 0.1
128, 2017/06/14 11:31:01, 0.1
129, 2017/06/14 11:31:11, 0.1
130, 2017/06/14 11:31:21, 0.1
131, 2017/06/14 11:31:31, 0.1
132, 2017/06/14 11:31:41, 0.1
133, 2017/06/14 11:31:51, 0.0
134, 2017/06/14 11:32:01, 0.1
135, 2017/06/14 11:32:11, 0.1
136, 2017/06/14 11:32:21, 0.1
137, 2017/06/14 11:32:31, 0.1
138, 2017/06/14 11:32:41, 0.1
139, 2017/06/14 11:32:51, 0.1
140, 2017/06/14 11:33:01, 0.1
141, 2017/06/14 11:33:11, 0.1
142, 2017/06/14 11:33:21, 0.1
143, 2017/06/14 11:33:31, 0.0
144, 2017/06/14 11:33:41, 0.1
145, 2017/06/14 11:33:51, 0.1
146, 2017/06/14 11:34:01, 0.1
147, 2017/06/14 11:34:11, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

148, 2017/06/14 11:34:21, 0.1
149, 2017/06/14 11:34:31, 0.1
150, 2017/06/14 11:34:41, 0.0
151, 2017/06/14 11:34:51, 0.1
152, 2017/06/14 11:35:01, 0.1
153, 2017/06/14 11:35:11, 0.0
154, 2017/06/14 11:35:21, 0.0
155, 2017/06/14 11:35:31, 0.0
156, 2017/06/14 11:35:41, 0.0
157, 2017/06/14 11:35:51, 0.1
158, 2017/06/14 11:36:01, 0.0
159, 2017/06/14 11:36:11, 0.0
160, 2017/06/14 11:36:21, 0.1
161, 2017/06/14 11:36:31, 0.0
162, 2017/06/14 11:36:41, 0.0
163, 2017/06/14 11:36:51, 0.1
164, 2017/06/14 11:37:01, 0.0
165, 2017/06/14 11:37:11, 0.0
166, 2017/06/14 11:37:21, 0.1
167, 2017/06/14 11:37:31, 0.0
168, 2017/06/14 11:37:41, 0.0
169, 2017/06/14 11:37:51, 0.0
170, 2017/06/14 11:38:01, 0.0
171, 2017/06/14 11:38:11, 0.0
172, 2017/06/14 11:38:21, 0.0
173, 2017/06/14 11:38:31, 0.0
174, 2017/06/14 11:38:41, 0.0
175, 2017/06/14 11:38:51, 0.0
176, 2017/06/14 11:39:01, 0.0
177, 2017/06/14 11:39:11, 0.0
178, 2017/06/14 11:39:21, 0.0
179, 2017/06/14 11:39:31, 0.0
180, 2017/06/14 11:39:41, 0.0
181, 2017/06/14 11:39:51, 0.0
182, 2017/06/14 11:40:01, 0.0
183, 2017/06/14 11:40:11, 0.0
184, 2017/06/14 11:40:21, 0.1
185, 2017/06/14 11:40:31, 0.1
186, 2017/06/14 11:40:41, 0.1
187, 2017/06/14 11:40:51, 0.0
188, 2017/06/14 11:41:01, 0.0
189, 2017/06/14 11:41:11, 0.0
190, 2017/06/14 11:41:21, 0.1
191, 2017/06/14 11:41:31, 0.1
192, 2017/06/14 11:41:41, 0.1
193, 2017/06/14 11:41:51, 0.1
194, 2017/06/14 11:42:01, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

195, 2017/06/14 11:42:11, 0.1
196, 2017/06/14 11:42:21, 0.1
197, 2017/06/14 11:42:31, 0.1
198, 2017/06/14 11:42:41, 0.0
199, 2017/06/14 11:42:51, 0.0
200, 2017/06/14 11:43:01, 0.0
201, 2017/06/14 11:43:11, 0.0
202, 2017/06/14 11:43:21, 0.0
203, 2017/06/14 11:43:31, 0.0
204, 2017/06/14 11:43:41, 0.0
205, 2017/06/14 11:43:51, 0.0
206, 2017/06/14 11:44:01, 0.0
207, 2017/06/14 11:44:11, 0.0
208, 2017/06/14 11:44:21, 0.0
209, 2017/06/14 11:44:31, 0.0
210, 2017/06/14 11:44:41, 0.1
211, 2017/06/14 11:44:51, 0.0
212, 2017/06/14 11:45:01, 0.0
213, 2017/06/14 11:45:11, 0.0
214, 2017/06/14 11:45:21, 0.0
215, 2017/06/14 11:45:31, 0.0
216, 2017/06/14 11:45:41, 0.0
217, 2017/06/14 11:45:51, 0.0
218, 2017/06/14 11:46:01, 0.0
219, 2017/06/14 11:46:11, 0.0
220, 2017/06/14 11:46:21, 0.0
221, 2017/06/14 11:46:31, 0.0
222, 2017/06/14 11:46:41, 0.0
223, 2017/06/14 11:46:51, 0.0
224, 2017/06/14 11:47:01, 0.0
225, 2017/06/14 11:47:11, 0.0
226, 2017/06/14 11:47:21, 0.0
227, 2017/06/14 11:47:31, 0.0
228, 2017/06/14 11:47:41, 0.0
229, 2017/06/14 11:47:51, 0.0
230, 2017/06/14 11:48:01, 0.0
231, 2017/06/14 11:48:11, 0.0
232, 2017/06/14 11:48:21, 0.0
233, 2017/06/14 11:48:31, 0.0
234, 2017/06/14 11:48:41, 0.0
235, 2017/06/14 11:48:51, 0.0
236, 2017/06/14 11:49:01, 0.0
237, 2017/06/14 11:49:11, 0.0
238, 2017/06/14 11:49:21, 0.0
239, 2017/06/14 11:49:31, 0.0
240, 2017/06/14 11:49:41, 0.0
241, 2017/06/14 11:49:51, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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242, 2017/06/14 11:50:01, 0.0
243, 2017/06/14 11:50:11, 0.0
244, 2017/06/14 11:50:21, 0.0
245, 2017/06/14 11:50:31, 0.0
246, 2017/06/14 11:50:41, 0.0
247, 2017/06/14 11:50:51, 0.0
248, 2017/06/14 11:51:01, 0.0
249, 2017/06/14 11:51:11, 0.0
250, 2017/06/14 11:51:21, 0.0
251, 2017/06/14 11:51:31, 0.0
252, 2017/06/14 11:51:41, 0.0
253, 2017/06/14 11:51:51, 0.0
254, 2017/06/14 11:52:01, 0.0
255, 2017/06/14 11:52:11, 0.0
256, 2017/06/14 11:52:21, 0.0
257, 2017/06/14 11:52:31, 0.0
258, 2017/06/14 11:52:41, 0.0
259, 2017/06/14 11:52:51, 0.0
260, 2017/06/14 11:53:01, 0.0
261, 2017/06/14 11:53:11, 0.0
262, 2017/06/14 11:53:21, 0.0
263, 2017/06/14 11:53:31, 0.0
264, 2017/06/14 11:53:41, 0.0
265, 2017/06/14 11:53:51, 0.0
266, 2017/06/14 11:54:01, 0.0
267, 2017/06/14 11:54:11, 0.0
268, 2017/06/14 11:54:21, 0.0
269, 2017/06/14 11:54:31, 0.0
270, 2017/06/14 11:54:41, 0.0
271, 2017/06/14 11:54:51, 0.0
272, 2017/06/14 11:55:01, 0.0
273, 2017/06/14 11:55:11, 0.0
274, 2017/06/14 11:55:21, 0.0
275, 2017/06/14 11:55:31, 0.0
276, 2017/06/14 11:55:41, 0.0
277, 2017/06/14 11:55:51, 0.0
278, 2017/06/14 11:56:01, 0.0
279, 2017/06/14 11:56:11, 0.0
280, 2017/06/14 11:56:21, 0.0
281, 2017/06/14 11:56:31, 0.0
282, 2017/06/14 11:56:41, 0.0
283, 2017/06/14 11:56:51, 0.0
284, 2017/06/14 11:57:01, 0.0
285, 2017/06/14 11:57:11, 0.0
286, 2017/06/14 11:57:21, 0.0
287, 2017/06/14 11:57:31, 0.0
288, 2017/06/14 11:57:41, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

289, 2017/06/14 11:57:51, 0.0
290, 2017/06/14 11:58:01, 0.0
291, 2017/06/14 11:58:11, 0.0
292, 2017/06/14 11:58:21, 0.0
293, 2017/06/14 11:58:31, 0.0
294, 2017/06/14 11:58:41, 0.0
295, 2017/06/14 11:58:51, 0.0
296, 2017/06/14 11:59:01, 0.0
297, 2017/06/14 11:59:11, 0.0
298, 2017/06/14 11:59:21, 0.0
299, 2017/06/14 11:59:31, 0.0
300, 2017/06/14 11:59:41, 0.0
301, 2017/06/14 11:59:51, 0.0
302, 2017/06/14 12:00:01, 0.0
303, 2017/06/14 12:00:11, 0.0
304, 2017/06/14 12:00:21, 0.0
305, 2017/06/14 12:00:31, 0.0
306, 2017/06/14 12:00:41, 0.0
307, 2017/06/14 12:00:51, 0.0
308, 2017/06/14 12:01:01, 0.0
309, 2017/06/14 12:01:11, 0.0
310, 2017/06/14 12:01:21, 0.0
311, 2017/06/14 12:01:31, 0.0
312, 2017/06/14 12:01:41, 0.0
313, 2017/06/14 12:01:51, 0.0
314, 2017/06/14 12:02:01, 0.0
315, 2017/06/14 12:02:11, 0.0
316, 2017/06/14 12:02:21, 0.0
317, 2017/06/14 12:02:31, 0.0
318, 2017/06/14 12:02:41, 0.0
319, 2017/06/14 12:02:51, 0.0
320, 2017/06/14 12:03:01, 0.0
321, 2017/06/14 12:03:11, 0.0
322, 2017/06/14 12:03:21, 0.0
323, 2017/06/14 12:03:31, 0.0
324, 2017/06/14 12:03:41, 0.0
325, 2017/06/14 12:03:51, 0.0
326, 2017/06/14 12:04:01, 0.0
327, 2017/06/14 12:04:11, 0.0
328, 2017/06/14 12:04:21, 0.0
329, 2017/06/14 12:04:31, 0.0
330, 2017/06/14 12:04:41, 0.0
331, 2017/06/14 12:04:51, 0.0
332, 2017/06/14 12:05:01, 0.0
333, 2017/06/14 12:05:11, 0.0
334, 2017/06/14 12:05:21, 0.0
335, 2017/06/14 12:05:31, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

336, 2017/06/14 12:05:41, 0.0
337, 2017/06/14 12:05:51, 0.0
338, 2017/06/14 12:06:01, 0.0
339, 2017/06/14 12:06:11, 0.0
340, 2017/06/14 12:06:21, 0.0
341, 2017/06/14 12:06:31, 0.0
342, 2017/06/14 12:06:41, 0.0
343, 2017/06/14 12:06:51, 0.0
344, 2017/06/14 12:07:01, 0.0
345, 2017/06/14 12:07:11, 0.0
346, 2017/06/14 12:07:21, 0.0
347, 2017/06/14 12:07:31, 0.0
348, 2017/06/14 12:07:41, 0.0
349, 2017/06/14 12:07:51, 0.0
350, 2017/06/14 12:08:01, 0.0
351, 2017/06/14 12:08:11, 0.0
352, 2017/06/14 12:08:21, 0.0
353, 2017/06/14 12:08:31, 0.0
354, 2017/06/14 12:08:41, 0.0
355, 2017/06/14 12:08:51, 0.0
356, 2017/06/14 12:09:01, 0.0
357, 2017/06/14 12:09:11, 0.0
358, 2017/06/14 12:09:21, 0.0
359, 2017/06/14 12:09:31, 0.0
360, 2017/06/14 12:09:41, 0.0
361, 2017/06/14 12:09:51, 0.0
362, 2017/06/14 12:10:01, 0.0
363, 2017/06/14 12:10:11, 0.0
364, 2017/06/14 12:10:21, 0.0
365, 2017/06/14 12:10:31, 0.0
366, 2017/06/14 12:10:41, 0.0
367, 2017/06/14 12:10:51, 0.0
368, 2017/06/14 12:11:01, 0.0
369, 2017/06/14 12:11:11, 0.0
370, 2017/06/14 12:11:21, 0.0
371, 2017/06/14 12:11:31, 0.0
372, 2017/06/14 12:11:41, 0.0
373, 2017/06/14 12:11:51, 0.0
374, 2017/06/14 12:12:01, 0.0
375, 2017/06/14 12:12:11, 0.0
376, 2017/06/14 12:12:21, 0.0
377, 2017/06/14 12:12:31, 0.0
378, 2017/06/14 12:12:41, 0.0
379, 2017/06/14 12:12:51, 0.0
380, 2017/06/14 12:13:01, 0.0
381, 2017/06/14 12:13:11, 0.0
382, 2017/06/14 12:13:21, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

383, 2017/06/14 12:13:31, 0.0
384, 2017/06/14 12:13:41, 0.0
385, 2017/06/14 12:13:51, 0.0
386, 2017/06/14 12:14:01, 0.0
387, 2017/06/14 12:14:11, 0.0
388, 2017/06/14 12:14:21, 0.0
389, 2017/06/14 12:14:31, 0.0
390, 2017/06/14 12:14:41, 0.0
391, 2017/06/14 12:14:51, 0.0
392, 2017/06/14 12:15:01, 0.0
393, 2017/06/14 12:15:11, 0.0
394, 2017/06/14 12:15:21, 0.0
395, 2017/06/14 12:15:31, 0.0
396, 2017/06/14 12:15:41, 0.0
397, 2017/06/14 12:15:51, 0.0
398, 2017/06/14 12:16:01, 0.0
399, 2017/06/14 12:16:11, 0.0
400, 2017/06/14 12:16:21, 0.0
401, 2017/06/14 12:16:31, 0.0
402, 2017/06/14 12:16:41, 0.0
403, 2017/06/14 12:16:51, 0.0
404, 2017/06/14 12:17:01, 0.0
405, 2017/06/14 12:17:11, 0.0
406, 2017/06/14 12:17:21, 0.0
407, 2017/06/14 12:17:31, 0.0
408, 2017/06/14 12:17:41, 0.0
409, 2017/06/14 12:17:51, 0.0
410, 2017/06/14 12:18:01, 0.0
411, 2017/06/14 12:18:11, 0.0
412, 2017/06/14 12:18:21, 0.0
413, 2017/06/14 12:18:31, 0.0
414, 2017/06/14 12:18:41, 0.0
415, 2017/06/14 12:18:51, 0.0
416, 2017/06/14 12:19:01, 0.0
417, 2017/06/14 12:19:11, 0.0
418, 2017/06/14 12:19:21, 0.0
419, 2017/06/14 12:19:31, 0.0
420, 2017/06/14 12:19:41, 0.0
421, 2017/06/14 12:19:51, 0.0
422, 2017/06/14 12:20:01, 0.0
423, 2017/06/14 12:20:11, 0.0
424, 2017/06/14 12:20:21, 0.0
425, 2017/06/14 12:20:31, 0.0
426, 2017/06/14 12:20:41, 0.0
427, 2017/06/14 12:20:51, 0.0
428, 2017/06/14 12:21:01, 0.0
429, 2017/06/14 12:21:11, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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430, 2017/06/14 12:21:21, 0.0
431, 2017/06/14 12:21:31, 0.0
432, 2017/06/14 12:21:41, 0.0
433, 2017/06/14 12:21:51, 0.0
434, 2017/06/14 12:22:01, 0.0
435, 2017/06/14 12:22:11, 0.0
436, 2017/06/14 12:22:21, 0.0
437, 2017/06/14 12:22:31, 0.0
438, 2017/06/14 12:22:41, 0.0
439, 2017/06/14 12:22:51, 0.0
440, 2017/06/14 12:23:01, 0.0
441, 2017/06/14 12:23:11, 0.0
442, 2017/06/14 12:23:21, 0.0
443, 2017/06/14 12:23:31, 0.0
444, 2017/06/14 12:23:41, 0.0
445, 2017/06/14 12:23:51, 0.0
446, 2017/06/14 12:24:01, 0.0
447, 2017/06/14 12:24:11, 0.0
448, 2017/06/14 12:24:21, 0.0
449, 2017/06/14 12:24:31, 0.0
450, 2017/06/14 12:24:41, 0.0
451, 2017/06/14 12:24:51, 0.0
452, 2017/06/14 12:25:01, 0.0
453, 2017/06/14 12:25:11, 0.0
454, 2017/06/14 12:25:21, 0.0
455, 2017/06/14 12:25:31, 0.0
456, 2017/06/14 12:25:41, 0.0
457, 2017/06/14 12:25:51, 0.0
458, 2017/06/14 12:26:01, 0.0
459, 2017/06/14 12:26:11, 0.0
460, 2017/06/14 12:26:21, 0.0
461, 2017/06/14 12:26:31, 0.0
462, 2017/06/14 12:26:41, 0.0
463, 2017/06/14 12:26:51, 0.0
464, 2017/06/14 12:27:01, 0.0
465, 2017/06/14 12:27:11, 0.0
466, 2017/06/14 12:27:21, 0.0
467, 2017/06/14 12:27:31, 0.0
468, 2017/06/14 12:27:41, 0.0
469, 2017/06/14 12:27:51, 0.0
470, 2017/06/14 12:28:01, 0.0
471, 2017/06/14 12:28:11, 0.0
472, 2017/06/14 12:28:21, 0.0
473, 2017/06/14 12:28:31, 0.0
474, 2017/06/14 12:28:41, 0.0
475, 2017/06/14 12:28:51, 0.0
476, 2017/06/14 12:29:01, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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477, 2017/06/14 12:29:11, 0.0
478, 2017/06/14 12:29:21, 0.0
479, 2017/06/14 12:29:31, 0.0
480, 2017/06/14 12:29:41, 0.0
481, 2017/06/14 12:29:51, 0.0
482, 2017/06/14 12:30:01, 0.0
483, 2017/06/14 12:30:11, 0.0
484, 2017/06/14 12:30:21, 0.0
485, 2017/06/14 12:30:31, 0.0
486, 2017/06/14 12:30:41, 0.0
487, 2017/06/14 12:30:51, 0.0
488, 2017/06/14 12:31:01, 0.0
489, 2017/06/14 12:31:11, 0.0
490, 2017/06/14 12:31:21, 0.0
491, 2017/06/14 12:31:31, 0.0
492, 2017/06/14 12:31:41, 0.0
493, 2017/06/14 12:31:51, 0.0
494, 2017/06/14 12:32:01, 0.0
495, 2017/06/14 12:32:11, 0.0
496, 2017/06/14 12:32:21, 0.0
497, 2017/06/14 12:32:31, 0.0
498, 2017/06/14 12:32:41, 0.0
499, 2017/06/14 12:32:51, 0.0
500, 2017/06/14 12:33:01, 0.0
501, 2017/06/14 12:33:11, 0.0
502, 2017/06/14 12:33:21, 0.0
503, 2017/06/14 12:33:31, 0.0
504, 2017/06/14 12:33:41, 0.0
505, 2017/06/14 12:33:51, 0.0
506, 2017/06/14 12:34:01, 0.0
507, 2017/06/14 12:34:11, 0.0
508, 2017/06/14 12:34:21, 0.0
509, 2017/06/14 12:34:31, 0.0
510, 2017/06/14 12:34:41, 0.0
511, 2017/06/14 12:34:51, 0.0
512, 2017/06/14 12:35:01, 0.0
513, 2017/06/14 12:35:11, 0.0
514, 2017/06/14 12:35:21, 0.0
515, 2017/06/14 12:35:31, 0.0
516, 2017/06/14 12:35:41, 0.0
517, 2017/06/14 12:35:51, 0.0
518, 2017/06/14 12:36:01, 0.0
519, 2017/06/14 12:36:11, 0.0
520, 2017/06/14 12:36:21, 0.0
521, 2017/06/14 12:36:31, 0.0
522, 2017/06/14 12:36:41, 0.0
523, 2017/06/14 12:36:51, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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524, 2017/06/14 12:37:01, 0.0
525, 2017/06/14 12:37:11, 0.0
526, 2017/06/14 12:37:21, 0.0
527, 2017/06/14 12:37:31, 0.0
528, 2017/06/14 12:37:41, 0.0
529, 2017/06/14 12:37:51, 0.0
530, 2017/06/14 12:38:01, 0.0
531, 2017/06/14 12:38:11, 0.0
532, 2017/06/14 12:38:21, 0.0
533, 2017/06/14 12:38:31, 0.0
534, 2017/06/14 12:38:41, 0.0
535, 2017/06/14 12:38:51, 0.0
536, 2017/06/14 12:39:01, 0.0
537, 2017/06/14 12:39:11, 0.0
538, 2017/06/14 12:39:21, 0.0
539, 2017/06/14 12:39:31, 0.0
540, 2017/06/14 12:39:41, 0.0
541, 2017/06/14 12:39:51, 0.0
542, 2017/06/14 12:40:01, 0.0
543, 2017/06/14 12:40:11, 0.0
544, 2017/06/14 12:40:21, 0.0
545, 2017/06/14 12:40:31, 0.0
546, 2017/06/14 12:40:41, 0.0
547, 2017/06/14 12:40:51, 0.0
548, 2017/06/14 12:41:01, 0.0
549, 2017/06/14 12:41:11, 0.0
550, 2017/06/14 12:41:21, 0.0
551, 2017/06/14 12:41:31, 0.0
552, 2017/06/14 12:41:41, 0.0
553, 2017/06/14 12:41:51, 0.0
554, 2017/06/14 12:42:01, 0.0
555, 2017/06/14 12:42:11, 0.0
556, 2017/06/14 12:42:21, 0.0
557, 2017/06/14 12:42:31, 0.0
558, 2017/06/14 12:42:41, 0.0
559, 2017/06/14 12:42:51, 0.0
560, 2017/06/14 12:43:01, 0.0
561, 2017/06/14 12:43:11, 0.0
562, 2017/06/14 12:43:21, 0.0
563, 2017/06/14 12:43:31, 0.0
564, 2017/06/14 12:43:41, 0.0
565, 2017/06/14 12:43:51, 0.0
566, 2017/06/14 12:44:01, 0.0
567, 2017/06/14 12:44:11, 0.0
568, 2017/06/14 12:44:21, 0.0
569, 2017/06/14 12:44:31, 0.0
570, 2017/06/14 12:44:41, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

571, 2017/06/14 12:44:51, 0.0
572, 2017/06/14 12:45:01, 0.0
573, 2017/06/14 12:45:11, 0.0
574, 2017/06/14 12:45:21, 0.0
575, 2017/06/14 12:45:31, 0.0
576, 2017/06/14 12:45:41, 0.0
577, 2017/06/14 12:45:51, 0.0
578, 2017/06/14 12:46:01, 0.0
579, 2017/06/14 12:46:11, 0.0
580, 2017/06/14 12:46:21, 0.0
581, 2017/06/14 12:46:31, 0.0
582, 2017/06/14 12:46:41, 0.0
583, 2017/06/14 12:46:51, 0.0
584, 2017/06/14 12:47:01, 0.0
585, 2017/06/14 12:47:11, 0.0
586, 2017/06/14 12:47:21, 0.0
587, 2017/06/14 12:47:31, 0.0
588, 2017/06/14 12:47:41, 0.0
589, 2017/06/14 12:47:51, 0.0
590, 2017/06/14 12:48:01, 0.0
591, 2017/06/14 12:48:11, 0.0
592, 2017/06/14 12:48:21, 0.0
593, 2017/06/14 12:48:31, 0.0
594, 2017/06/14 12:48:41, 0.0
595, 2017/06/14 12:48:51, 0.0
596, 2017/06/14 12:49:01, 0.0
597, 2017/06/14 12:49:11, 0.0
598, 2017/06/14 12:49:21, 0.0
599, 2017/06/14 12:49:31, 0.0
600, 2017/06/14 12:49:41, 0.0
601, 2017/06/14 12:49:51, 0.0
602, 2017/06/14 12:50:01, 0.0
603, 2017/06/14 12:50:11, 0.0
604, 2017/06/14 12:50:21, 0.0
605, 2017/06/14 12:50:31, 0.0
606, 2017/06/14 12:50:41, 0.0
607, 2017/06/14 12:50:51, 0.0
608, 2017/06/14 12:51:01, 0.0
609, 2017/06/14 12:51:11, 0.0
610, 2017/06/14 12:51:21, 0.0
611, 2017/06/14 12:51:31, 0.0
612, 2017/06/14 12:51:41, 0.0
613, 2017/06/14 12:51:51, 0.0
614, 2017/06/14 12:52:01, 0.0
615, 2017/06/14 12:52:11, 0.0
616, 2017/06/14 12:52:21, 0.0
617, 2017/06/14 12:52:31, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

618, 2017/06/14 12:52:41, 0.0
619, 2017/06/14 12:52:51, 0.0
620, 2017/06/14 12:53:01, 0.0
621, 2017/06/14 12:53:11, 0.0
622, 2017/06/14 12:53:21, 0.0
623, 2017/06/14 12:53:31, 0.0
624, 2017/06/14 12:53:41, 0.0
625, 2017/06/14 12:53:51, 0.0
626, 2017/06/14 12:54:01, 0.0
627, 2017/06/14 12:54:11, 0.0
628, 2017/06/14 12:54:21, 0.0
629, 2017/06/14 12:54:31, 0.0
630, 2017/06/14 12:54:41, 0.0
631, 2017/06/14 12:54:51, 0.0
632, 2017/06/14 12:55:01, 0.0
633, 2017/06/14 12:55:11, 0.0
634, 2017/06/14 12:55:21, 0.0
635, 2017/06/14 12:55:31, 0.0
636, 2017/06/14 12:55:41, 0.0
637, 2017/06/14 12:55:51, 0.0
638, 2017/06/14 12:56:01, 0.0
639, 2017/06/14 12:56:11, 0.0
640, 2017/06/14 12:56:21, 0.0
641, 2017/06/14 12:56:31, 0.0
642, 2017/06/14 12:56:41, 0.0
643, 2017/06/14 12:56:51, 0.0
644, 2017/06/14 12:57:01, 0.0
645, 2017/06/14 12:57:11, 0.0
646, 2017/06/14 12:57:21, 0.0
647, 2017/06/14 12:57:31, 0.0
648, 2017/06/14 12:57:41, 0.0
649, 2017/06/14 12:57:51, 0.0
650, 2017/06/14 12:58:01, 0.0
651, 2017/06/14 12:58:11, 0.0
652, 2017/06/14 12:58:21, 0.0
653, 2017/06/14 12:58:31, 0.0
654, 2017/06/14 12:58:41, 0.0
655, 2017/06/14 12:58:51, 0.0
656, 2017/06/14 12:59:01, 0.0
657, 2017/06/14 12:59:11, 0.0
658, 2017/06/14 12:59:21, 0.0
659, 2017/06/14 12:59:31, 0.0
660, 2017/06/14 12:59:41, 0.0
661, 2017/06/14 12:59:51, 0.0
662, 2017/06/14 13:00:01, 0.0
663, 2017/06/14 13:00:11, 0.0
664, 2017/06/14 13:00:21, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

665, 2017/06/14 13:00:31, 0.0
666, 2017/06/14 13:00:41, 0.0
667, 2017/06/14 13:00:51, 0.0
668, 2017/06/14 13:01:01, 0.0
669, 2017/06/14 13:01:11, 0.0
670, 2017/06/14 13:01:21, 0.0
671, 2017/06/14 13:01:31, 0.0
672, 2017/06/14 13:01:41, 0.0
673, 2017/06/14 13:01:51, 0.0
674, 2017/06/14 13:02:01, 0.0
675, 2017/06/14 13:02:11, 0.0
676, 2017/06/14 13:02:21, 0.0
677, 2017/06/14 13:02:31, 0.0
678, 2017/06/14 13:02:41, 0.0
679, 2017/06/14 13:02:51, 0.0
680, 2017/06/14 13:03:01, 0.0
681, 2017/06/14 13:03:11, 0.0
682, 2017/06/14 13:03:21, 0.0
683, 2017/06/14 13:03:31, 0.0
684, 2017/06/14 13:03:41, 0.0
685, 2017/06/14 13:03:51, 0.0
686, 2017/06/14 13:04:01, 0.0
687, 2017/06/14 13:04:11, 0.0
688, 2017/06/14 13:04:21, 0.0
689, 2017/06/14 13:04:31, 0.0
690, 2017/06/14 13:04:41, 0.0
691, 2017/06/14 13:04:51, 0.0
692, 2017/06/14 13:05:01, 0.0
693, 2017/06/14 13:05:11, 0.0
694, 2017/06/14 13:05:21, 0.0
695, 2017/06/14 13:05:31, 0.0
696, 2017/06/14 13:05:41, 0.0
697, 2017/06/14 13:05:51, 0.0
698, 2017/06/14 13:06:01, 0.0
699, 2017/06/14 13:06:11, 0.0
700, 2017/06/14 13:06:21, 0.0
701, 2017/06/14 13:06:31, 0.0
702, 2017/06/14 13:06:41, 0.0
703, 2017/06/14 13:06:51, 0.0
704, 2017/06/14 13:07:01, 0.0
705, 2017/06/14 13:07:11, 0.0
706, 2017/06/14 13:07:21, 0.0
707, 2017/06/14 13:07:31, 0.0
708, 2017/06/14 13:07:41, 0.0
709, 2017/06/14 13:07:51, 0.0
710, 2017/06/14 13:08:01, 0.0
711, 2017/06/14 13:08:11, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

712, 2017/06/14 13:08:21, 0.0
713, 2017/06/14 13:08:31, 0.0
714, 2017/06/14 13:08:41, 0.0
715, 2017/06/14 13:08:51, 0.0
716, 2017/06/14 13:09:01, 0.0
717, 2017/06/14 13:09:11, 0.0
718, 2017/06/14 13:09:21, 0.0
719, 2017/06/14 13:09:31, 0.0
720, 2017/06/14 13:09:41, 0.0
721, 2017/06/14 13:09:51, 0.0
722, 2017/06/14 13:10:01, 0.0
723, 2017/06/14 13:10:11, 0.0
724, 2017/06/14 13:10:21, 0.0
725, 2017/06/14 13:10:31, 0.0
726, 2017/06/14 13:10:41, 0.0
727, 2017/06/14 13:10:51, 0.0
728, 2017/06/14 13:11:01, 0.0
729, 2017/06/14 13:11:11, 0.0
730, 2017/06/14 13:11:21, 0.0
731, 2017/06/14 13:11:31, 0.0
732, 2017/06/14 13:11:41, 0.0
733, 2017/06/14 13:11:51, 0.0
734, 2017/06/14 13:12:01, 0.0
735, 2017/06/14 13:12:11, 0.0
736, 2017/06/14 13:12:21, 0.0
737, 2017/06/14 13:12:31, 0.0
738, 2017/06/14 13:12:41, 0.0
739, 2017/06/14 13:12:51, 0.0
740, 2017/06/14 13:13:01, 0.0
741, 2017/06/14 13:13:11, 0.0
742, 2017/06/14 13:13:21, 0.0
743, 2017/06/14 13:13:31, 0.0
744, 2017/06/14 13:13:41, 0.0
745, 2017/06/14 13:13:51, 0.0
746, 2017/06/14 13:14:01, 0.0
747, 2017/06/14 13:14:11, 0.0
748, 2017/06/14 13:14:21, 0.0
749, 2017/06/14 13:14:31, 0.0
750, 2017/06/14 13:14:41, 0.0
751, 2017/06/14 13:14:51, 0.0
752, 2017/06/14 13:15:01, 0.0
753, 2017/06/14 13:15:11, 0.0
754, 2017/06/14 13:15:21, 0.0
755, 2017/06/14 13:15:31, 0.0
756, 2017/06/14 13:15:41, 0.0
757, 2017/06/14 13:15:51, 0.0
758, 2017/06/14 13:16:01, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

759, 2017/06/14 13:16:11, 0.0
760, 2017/06/14 13:16:21, 0.0
761, 2017/06/14 13:16:31, 0.0
762, 2017/06/14 13:16:41, 0.0
763, 2017/06/14 13:16:51, 0.0
764, 2017/06/14 13:17:01, 0.0
765, 2017/06/14 13:17:11, 0.0
766, 2017/06/14 13:17:21, 0.0
767, 2017/06/14 13:17:31, 0.0
768, 2017/06/14 13:17:41, 0.0
769, 2017/06/14 13:17:51, 0.0
770, 2017/06/14 13:18:01, 0.0
771, 2017/06/14 13:18:11, 0.0
772, 2017/06/14 13:18:21, 0.0
773, 2017/06/14 13:18:31, 0.0
774, 2017/06/14 13:18:41, 0.0
775, 2017/06/14 13:18:51, 0.0
776, 2017/06/14 13:19:01, 0.0
777, 2017/06/14 13:19:11, 0.0
778, 2017/06/14 13:19:21, 0.0
779, 2017/06/14 13:19:31, 0.0
780, 2017/06/14 13:19:41, 0.0
781, 2017/06/14 13:19:51, 0.0
782, 2017/06/14 13:20:01, 0.0
783, 2017/06/14 13:20:11, 0.0
784, 2017/06/14 13:20:21, 0.0
785, 2017/06/14 13:20:31, 0.0
786, 2017/06/14 13:20:41, 0.0
787, 2017/06/14 13:20:51, 0.0
788, 2017/06/14 13:21:01, 0.0
789, 2017/06/14 13:21:11, 0.0
790, 2017/06/14 13:21:21, 0.0
791, 2017/06/14 13:21:31, 0.0
792, 2017/06/14 13:21:41, 0.0
793, 2017/06/14 13:21:51, 0.0
794, 2017/06/14 13:22:01, 0.0
795, 2017/06/14 13:22:11, 0.0
796, 2017/06/14 13:22:21, 0.0
797, 2017/06/14 13:22:31, 0.0
798, 2017/06/14 13:22:41, 0.0
799, 2017/06/14 13:22:51, 0.0
800, 2017/06/14 13:23:01, 0.0
801, 2017/06/14 13:23:11, 0.0
802, 2017/06/14 13:23:21, 0.0
803, 2017/06/14 13:23:31, 0.0
804, 2017/06/14 13:23:41, 0.0
805, 2017/06/14 13:23:51, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

806, 2017/06/14 13:24:01, 0.0
807, 2017/06/14 13:24:11, 0.0
808, 2017/06/14 13:24:21, 0.0
809, 2017/06/14 13:24:31, 0.0
810, 2017/06/14 13:24:41, 0.0
811, 2017/06/14 13:24:51, 0.0
812, 2017/06/14 13:25:01, 0.0
813, 2017/06/14 13:25:11, 0.0
814, 2017/06/14 13:25:21, 0.0
815, 2017/06/14 13:25:31, 0.0
816, 2017/06/14 13:25:41, 0.0
817, 2017/06/14 13:25:51, 0.0
818, 2017/06/14 13:26:01, 0.0
819, 2017/06/14 13:26:11, 0.0
820, 2017/06/14 13:26:21, 0.0
821, 2017/06/14 13:26:31, 0.0
822, 2017/06/14 13:26:41, 0.0
823, 2017/06/14 13:26:51, 0.0
824, 2017/06/14 13:27:01, 0.0
825, 2017/06/14 13:27:11, 0.0
826, 2017/06/14 13:27:21, 0.0
827, 2017/06/14 13:27:31, 0.0
828, 2017/06/14 13:27:41, 0.0
829, 2017/06/14 13:27:51, 0.0
830, 2017/06/14 13:28:01, 0.0
831, 2017/06/14 13:28:11, 0.0
832, 2017/06/14 13:28:21, 0.0
833, 2017/06/14 13:28:31, 0.0
834, 2017/06/14 13:28:41, 0.0
835, 2017/06/14 13:28:51, 0.0
836, 2017/06/14 13:29:01, 0.0
837, 2017/06/14 13:29:11, 0.0
838, 2017/06/14 13:29:21, 0.0
839, 2017/06/14 13:29:31, 0.0
840, 2017/06/14 13:29:41, 0.0
841, 2017/06/14 13:29:51, 0.0
842, 2017/06/14 13:30:01, 0.0
843, 2017/06/14 13:30:11, 0.0
844, 2017/06/14 13:30:21, 0.0
845, 2017/06/14 13:30:31, 0.0
846, 2017/06/14 13:30:41, 0.0
847, 2017/06/14 13:30:51, 0.0
848, 2017/06/14 13:31:01, 0.0
849, 2017/06/14 13:31:11, 0.0
850, 2017/06/14 13:31:21, 0.0
851, 2017/06/14 13:31:31, 0.0
852, 2017/06/14 13:31:41, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

853, 2017/06/14 13:31:51, 0.0
854, 2017/06/14 13:32:01, 0.0
855, 2017/06/14 13:32:11, 0.0
856, 2017/06/14 13:32:21, 0.0
857, 2017/06/14 13:32:31, 0.0
858, 2017/06/14 13:32:41, 0.0
859, 2017/06/14 13:32:51, 0.0
860, 2017/06/14 13:33:01, 0.0
861, 2017/06/14 13:33:11, 0.0
862, 2017/06/14 13:33:21, 0.0
863, 2017/06/14 13:33:31, 0.0
864, 2017/06/14 13:33:41, 0.0
865, 2017/06/14 13:33:51, 0.0
866, 2017/06/14 13:34:01, 0.0
867, 2017/06/14 13:34:11, 0.0
868, 2017/06/14 13:34:21, 0.0
869, 2017/06/14 13:34:31, 0.0
870, 2017/06/14 13:34:41, 0.0
871, 2017/06/14 13:34:51, 0.0
872, 2017/06/14 13:35:01, 0.0
873, 2017/06/14 13:35:11, 0.0
874, 2017/06/14 13:35:21, 0.0
875, 2017/06/14 13:35:31, 0.0
876, 2017/06/14 13:35:41, 0.0
877, 2017/06/14 13:35:51, 0.0
878, 2017/06/14 13:36:01, 0.0
879, 2017/06/14 13:36:11, 0.0
880, 2017/06/14 13:36:21, 0.0
881, 2017/06/14 13:36:31, 0.0
882, 2017/06/14 13:36:41, 0.0
883, 2017/06/14 13:36:51, 0.0
884, 2017/06/14 13:37:01, 0.0
885, 2017/06/14 13:37:11, 0.0
886, 2017/06/14 13:37:21, 0.0
887, 2017/06/14 13:37:31, 0.0
888, 2017/06/14 13:37:41, 0.0
889, 2017/06/14 13:37:51, 0.0
890, 2017/06/14 13:38:01, 0.0
891, 2017/06/14 13:38:11, 0.0
892, 2017/06/14 13:38:21, 0.0
893, 2017/06/14 13:38:31, 0.0
894, 2017/06/14 13:38:41, 0.0
895, 2017/06/14 13:38:51, 0.0
896, 2017/06/14 13:39:01, 0.0
897, 2017/06/14 13:39:11, 0.0
898, 2017/06/14 13:39:21, 0.0
899, 2017/06/14 13:39:31, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

900, 2017/06/14 13:39:41, 0.0
901, 2017/06/14 13:39:51, 0.0
902, 2017/06/14 13:40:01, 0.0
903, 2017/06/14 13:40:11, 0.0
904, 2017/06/14 13:40:21, 0.0
905, 2017/06/14 13:40:31, 0.0
906, 2017/06/14 13:40:41, 0.0
907, 2017/06/14 13:40:51, 0.0
908, 2017/06/14 13:41:01, 0.0
909, 2017/06/14 13:41:11, 0.0
910, 2017/06/14 13:41:21, 0.0
911, 2017/06/14 13:41:31, 0.0
912, 2017/06/14 13:41:41, 0.0
913, 2017/06/14 13:41:51, 0.0
914, 2017/06/14 13:42:01, 0.0
915, 2017/06/14 13:42:11, 0.0
916, 2017/06/14 13:42:21, 0.0
917, 2017/06/14 13:42:31, 0.0
918, 2017/06/14 13:42:41, 0.0
919, 2017/06/14 13:42:51, 0.0
920, 2017/06/14 13:43:01, 0.0
921, 2017/06/14 13:43:11, 0.0
922, 2017/06/14 13:43:21, 0.0
923, 2017/06/14 13:43:31, 0.0
924, 2017/06/14 13:43:41, 0.0
925, 2017/06/14 13:43:51, 0.0
926, 2017/06/14 13:44:01, 0.0
927, 2017/06/14 13:44:11, 0.0
928, 2017/06/14 13:44:21, 0.0
929, 2017/06/14 13:44:31, 0.0
930, 2017/06/14 13:44:41, 0.0
931, 2017/06/14 13:44:51, 0.0
932, 2017/06/14 13:45:01, 0.0
933, 2017/06/14 13:45:11, 0.0
934, 2017/06/14 13:45:21, 0.0
935, 2017/06/14 13:45:31, 0.0
936, 2017/06/14 13:45:41, 0.0
937, 2017/06/14 13:45:51, 0.0
938, 2017/06/14 13:46:01, 0.0
939, 2017/06/14 13:46:11, 0.0
940, 2017/06/14 13:46:21, 0.0
941, 2017/06/14 13:46:31, 0.0
942, 2017/06/14 13:46:41, 0.0
943, 2017/06/14 13:46:51, 0.0
944, 2017/06/14 13:47:01, 0.0
945, 2017/06/14 13:47:11, 0.0
946, 2017/06/14 13:47:21, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

947, 2017/06/14 13:47:31, 0.0
948, 2017/06/14 13:47:41, 0.0
949, 2017/06/14 13:47:51, 0.0
950, 2017/06/14 13:48:01, 0.0
951, 2017/06/14 13:48:11, 0.0
952, 2017/06/14 13:48:21, 0.0
953, 2017/06/14 13:48:31, 0.0
954, 2017/06/14 13:48:41, 0.0
955, 2017/06/14 13:48:51, 0.0
956, 2017/06/14 13:49:01, 0.0
957, 2017/06/14 13:49:11, 0.0
958, 2017/06/14 13:49:21, 0.0
959, 2017/06/14 13:49:31, 0.0
960, 2017/06/14 13:49:41, 0.0
961, 2017/06/14 13:49:51, 0.0
962, 2017/06/14 13:50:01, 0.0
963, 2017/06/14 13:50:11, 0.0
964, 2017/06/14 13:50:21, 0.0
965, 2017/06/14 13:50:31, 0.0
966, 2017/06/14 13:50:41, 0.0
967, 2017/06/14 13:50:51, 0.0
968, 2017/06/14 13:51:01, 0.0
969, 2017/06/14 13:51:11, 0.0
970, 2017/06/14 13:51:21, 0.0
971, 2017/06/14 13:51:31, 0.0
972, 2017/06/14 13:51:41, 0.0
973, 2017/06/14 13:51:51, 0.0
974, 2017/06/14 13:52:01, 0.0
975, 2017/06/14 13:52:11, 0.0
976, 2017/06/14 13:52:21, 0.0
977, 2017/06/14 13:52:31, 0.0
978, 2017/06/14 13:52:41, 0.0
979, 2017/06/14 13:52:51, 0.0
980, 2017/06/14 13:53:01, 0.0
981, 2017/06/14 13:53:11, 0.0
982, 2017/06/14 13:53:21, 0.0
983, 2017/06/14 13:53:31, 0.0
984, 2017/06/14 13:53:41, 0.0
985, 2017/06/14 13:53:51, 0.0
986, 2017/06/14 13:54:01, 0.0
987, 2017/06/14 13:54:11, 0.0
988, 2017/06/14 13:54:21, 0.0
989, 2017/06/14 13:54:31, 0.0
990, 2017/06/14 13:54:41, 0.0
991, 2017/06/14 13:54:51, 0.0
992, 2017/06/14 13:55:01, 0.0
993, 2017/06/14 13:55:11, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

994, 2017/06/14 13:55:21, 0.0
995, 2017/06/14 13:55:31, 0.0
996, 2017/06/14 13:55:41, 0.0
997, 2017/06/14 13:55:51, 0.0
998, 2017/06/14 13:56:01, 0.0
999, 2017/06/14 13:56:11, 0.0
1000, 2017/06/14 13:56:21, 0.0
1001, 2017/06/14 13:56:31, 0.0
1002, 2017/06/14 13:56:41, 0.0
1003, 2017/06/14 13:56:51, 0.0
1004, 2017/06/14 13:57:01, 0.0
1005, 2017/06/14 13:57:11, 0.0
1006, 2017/06/14 13:57:21, 0.0
1007, 2017/06/14 13:57:31, 0.0
1008, 2017/06/14 13:57:41, 0.0
1009, 2017/06/14 13:57:51, 0.0
1010, 2017/06/14 13:58:01, 0.0
1011, 2017/06/14 13:58:11, 0.0
1012, 2017/06/14 13:58:21, 0.0
1013, 2017/06/14 13:58:31, 0.0
1014, 2017/06/14 13:58:41, 0.0
1015, 2017/06/14 13:58:51, 0.0
1016, 2017/06/14 13:59:01, 0.0
1017, 2017/06/14 13:59:11, 0.0
1018, 2017/06/14 13:59:21, 0.0
1019, 2017/06/14 13:59:31, 0.0
1020, 2017/06/14 13:59:41, 0.0
1021, 2017/06/14 13:59:51, 0.0
1022, 2017/06/14 14:00:01, 0.0
1023, 2017/06/14 14:00:11, 0.0
1024, 2017/06/14 14:00:21, 0.0
1025, 2017/06/14 14:00:31, 0.0
1026, 2017/06/14 14:00:41, 0.0
1027, 2017/06/14 14:00:51, 0.0
1028, 2017/06/14 14:01:01, 0.0
1029, 2017/06/14 14:01:11, 0.0
1030, 2017/06/14 14:01:21, 0.0
1031, 2017/06/14 14:01:31, 0.0
1032, 2017/06/14 14:01:41, 0.0
1033, 2017/06/14 14:01:51, 0.0
1034, 2017/06/14 14:02:01, 0.0
1035, 2017/06/14 14:02:11, 0.0
1036, 2017/06/14 14:02:21, 0.0
1037, 2017/06/14 14:02:31, 0.0
1038, 2017/06/14 14:02:41, 0.0
1039, 2017/06/14 14:02:51, 0.0
1040, 2017/06/14 14:03:01, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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1041, 2017/06/14 14:03:11, 0.0
1042, 2017/06/14 14:03:21, 0.0
1043, 2017/06/14 14:03:31, 0.0
1044, 2017/06/14 14:03:41, 0.0
1045, 2017/06/14 14:03:51, 0.0
1046, 2017/06/14 14:04:01, 0.0
1047, 2017/06/14 14:04:11, 0.0
1048, 2017/06/14 14:04:21, 0.0
1049, 2017/06/14 14:04:31, 0.0
1050, 2017/06/14 14:04:41, 0.0
1051, 2017/06/14 14:04:51, 0.0
1052, 2017/06/14 14:05:01, 0.0
1053, 2017/06/14 14:05:11, 0.0
1054, 2017/06/14 14:05:21, 0.0
1055, 2017/06/14 14:05:31, 0.0
1056, 2017/06/14 14:05:41, 0.0
1057, 2017/06/14 14:05:51, 0.0
1058, 2017/06/14 14:06:01, 0.0
1059, 2017/06/14 14:06:11, 0.0
1060, 2017/06/14 14:06:21, 0.0
1061, 2017/06/14 14:06:31, 0.0
1062, 2017/06/14 14:06:41, 0.0
1063, 2017/06/14 14:06:51, 0.0
1064, 2017/06/14 14:07:01, 0.0
1065, 2017/06/14 14:07:11, 0.0
1066, 2017/06/14 14:07:21, 0.0
1067, 2017/06/14 14:07:31, 0.0
1068, 2017/06/14 14:07:41, 0.0
1069, 2017/06/14 14:07:51, 0.0
1070, 2017/06/14 14:08:01, 0.0
1071, 2017/06/14 14:08:11, 0.0
1072, 2017/06/14 14:08:21, 0.0
1073, 2017/06/14 14:08:31, 0.0
1074, 2017/06/14 14:08:41, 0.0
1075, 2017/06/14 14:08:51, 0.0
1076, 2017/06/14 14:09:01, 0.0
1077, 2017/06/14 14:09:11, 0.0
1078, 2017/06/14 14:09:21, 0.0
1079, 2017/06/14 14:09:31, 0.0
1080, 2017/06/14 14:09:41, 0.0
1081, 2017/06/14 14:09:51, 0.0
1082, 2017/06/14 14:10:01, 0.0
1083, 2017/06/14 14:10:11, 0.0
1084, 2017/06/14 14:10:21, 0.0
1085, 2017/06/14 14:10:31, 0.0
1086, 2017/06/14 14:10:41, 0.0
1087, 2017/06/14 14:10:51, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
==========

1088, 2017/06/14 14:11:01, 0.0
1089, 2017/06/14 14:11:11, 0.0
1090, 2017/06/14 14:11:21, 0.0
1091, 2017/06/14 14:11:31, 0.0
1092, 2017/06/14 14:11:41, 0.0
1093, 2017/06/14 14:11:51, 0.0
1094, 2017/06/14 14:12:01, 0.0
1095, 2017/06/14 14:12:11, 0.0
1096, 2017/06/14 14:12:21, 0.0
1097, 2017/06/14 14:12:31, 0.0
1098, 2017/06/14 14:12:41, 0.0
1099, 2017/06/14 14:12:51, 0.0
1100, 2017/06/14 14:13:01, 0.0
1101, 2017/06/14 14:13:11, 0.0
1102, 2017/06/14 14:13:21, 0.0
1103, 2017/06/14 14:13:31, 0.0
1104, 2017/06/14 14:13:41, 0.0
1105, 2017/06/14 14:13:51, 0.0
1106, 2017/06/14 14:14:01, 0.0
1107, 2017/06/14 14:14:11, 0.0
1108, 2017/06/14 14:14:21, 0.0
1109, 2017/06/14 14:14:31, 0.0
1110, 2017/06/14 14:14:41, 0.0
1111, 2017/06/14 14:14:51, 0.0
1112, 2017/06/14 14:15:01, 0.0
1113, 2017/06/14 14:15:11, 0.0
1114, 2017/06/14 14:15:21, 0.0
1115, 2017/06/14 14:15:31, 0.0
1116, 2017/06/14 14:15:41, 0.0
1117, 2017/06/14 14:15:51, 0.0
1118, 2017/06/14 14:16:01, 0.0
1119, 2017/06/14 14:16:11, 0.0
1120, 2017/06/14 14:16:21, 0.0
1121, 2017/06/14 14:16:31, 0.0
1122, 2017/06/14 14:16:41, 0.0
1123, 2017/06/14 14:16:51, 0.0
1124, 2017/06/14 14:17:01, 0.0
1125, 2017/06/14 14:17:11, 0.0
1126, 2017/06/14 14:17:21, 0.0
1127, 2017/06/14 14:17:31, 0.0
1128, 2017/06/14 14:17:41, 0.0
1129, 2017/06/14 14:17:51, 0.0
1130, 2017/06/14 14:18:01, 0.0
1131, 2017/06/14 14:18:11, 0.0
1132, 2017/06/14 14:18:21, 0.0
1133, 2017/06/14 14:18:31, 0.0
1134, 2017/06/14 14:18:41, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: A. Borden, AECOM
Instrument: MiniRAE 3000
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1135, 2017/06/14 14:18:51, 0.0
1136, 2017/06/14 14:19:01, 0.0
1137, 2017/06/14 14:19:11, 0.0
1138, 2017/06/14 14:19:21, 0.0
1139, 2017/06/14 14:19:31, 0.0
1140, 2017/06/14 14:19:41, 0.0
1141, 2017/06/14 14:19:51, 0.0
1142, 2017/06/14 14:20:01, 0.0
1143, 2017/06/14 14:20:11, 0.0
1144, 2017/06/14 14:20:21, 0.0
1145, 2017/06/14 14:20:31, 0.0
1146, 2017/06/14 14:20:41, 0.0
1147, 2017/06/14 14:20:51, 0.0
1148, 2017/06/14 14:21:01, 0.0
1149, 2017/06/14 14:21:11, 0.0
1150, 2017/06/14 14:21:21, 0.0
1151, 2017/06/14 14:21:31, 0.0
1152, 2017/06/14 14:21:41, 0.0
1153, 2017/06/14 14:21:51, 0.0
1154, 2017/06/14 14:22:01, 0.0
1155, 2017/06/14 14:22:11, 0.0
1156, 2017/06/14 14:22:21, 0.0
1157, 2017/06/14 14:22:31, 0.0
1158, 2017/06/14 14:22:41, 0.0
1159, 2017/06/14 14:22:51, 0.0
1160, 2017/06/14 14:23:01, 0.0
Peak, , 0.1
Min, , 0.0
Average, , 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

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17/06/05 09:22

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-919025
Unit Firmware Ver	V2.14
Running Mode	Hygiene Mode
Datalog Mode	Manual
Diagnostic Mode	No
Stop Reason	Stop by User
Site ID	RAE00000
User ID	USER0000
Begin	6/5/2017 9:22
End	6/5/2017 14:37
Sample Period(s)	10
Number of Records	1887
Sensor	PID(ppm)
Sensor SN	S023030183U3
Measure Type	Avg
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	6/5/2017 7:47
Peak	N/A
Min	N/A
Average	N/A

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Datalog

, , PID(ppm)
Index, Date/Time, (Avg)
001, 2017/06/05 09:22:35, 0.0
002, 2017/06/05 09:22:45, 0.0
003, 2017/06/05 09:22:55, 0.0
004, 2017/06/05 09:23:05, 0.0
005, 2017/06/05 09:23:15, 0.0
006, 2017/06/05 09:23:25, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

007, 2017/06/05 09:23:35, 0.0
008, 2017/06/05 09:23:45, 0.0
009, 2017/06/05 09:23:55, 0.0
010, 2017/06/05 09:24:05, 0.0
011, 2017/06/05 09:24:15, 0.0
012, 2017/06/05 09:24:25, 0.0
013, 2017/06/05 09:24:35, 0.0
014, 2017/06/05 09:24:45, 0.0
015, 2017/06/05 09:24:55, 0.0
016, 2017/06/05 09:25:05, 0.0
017, 2017/06/05 09:25:15, 0.0
018, 2017/06/05 09:25:25, 0.0
019, 2017/06/05 09:25:35, 0.0
020, 2017/06/05 09:25:45, 0.0
021, 2017/06/05 09:25:55, 0.0
022, 2017/06/05 09:26:05, 0.0
023, 2017/06/05 09:26:15, 0.0
024, 2017/06/05 09:26:25, 0.0
025, 2017/06/05 09:26:35, 0.0
026, 2017/06/05 09:26:45, 0.0
027, 2017/06/05 09:26:55, 0.0
028, 2017/06/05 09:27:05, 0.0
029, 2017/06/05 09:27:15, 0.0
030, 2017/06/05 09:27:25, 0.0
031, 2017/06/05 09:27:35, 0.0
032, 2017/06/05 09:27:45, 0.0
033, 2017/06/05 09:27:55, 0.0
034, 2017/06/05 09:28:05, 0.0
035, 2017/06/05 09:28:15, 0.0
036, 2017/06/05 09:28:25, 0.0
037, 2017/06/05 09:28:35, 0.0
038, 2017/06/05 09:28:45, 0.0
039, 2017/06/05 09:28:55, 0.0
040, 2017/06/05 09:29:05, 0.0
041, 2017/06/05 09:29:15, 0.0
042, 2017/06/05 09:29:25, 0.0
043, 2017/06/05 09:29:35, 0.0
044, 2017/06/05 09:29:45, 0.0
045, 2017/06/05 09:29:55, 0.0
046, 2017/06/05 09:30:05, 0.0
047, 2017/06/05 09:30:15, 0.0
048, 2017/06/05 09:30:25, 0.0
049, 2017/06/05 09:30:35, 0.0
050, 2017/06/05 09:30:45, 0.0
051, 2017/06/05 09:30:55, 0.0
052, 2017/06/05 09:31:05, 0.0
053, 2017/06/05 09:31:15, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

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054, 2017/06/05 09:31:25, 0.0
055, 2017/06/05 09:31:35, 0.0
056, 2017/06/05 09:31:45, 0.0
057, 2017/06/05 09:31:55, 0.0
058, 2017/06/05 09:32:05, 0.0
059, 2017/06/05 09:32:15, 0.0
060, 2017/06/05 09:32:25, 0.0
061, 2017/06/05 09:32:35, 0.0
062, 2017/06/05 09:32:45, 0.0
063, 2017/06/05 09:32:55, 0.0
064, 2017/06/05 09:33:05, 0.0
065, 2017/06/05 09:33:15, 0.0
066, 2017/06/05 09:33:25, 0.0
067, 2017/06/05 09:33:35, 0.0
068, 2017/06/05 09:33:45, 0.0
069, 2017/06/05 09:33:55, 0.0
070, 2017/06/05 09:34:05, 0.0
071, 2017/06/05 09:34:15, 0.0
072, 2017/06/05 09:34:25, 0.0
073, 2017/06/05 09:34:35, 0.0
074, 2017/06/05 09:34:45, 0.0
075, 2017/06/05 09:34:55, 0.0
076, 2017/06/05 09:35:05, 0.0
077, 2017/06/05 09:35:15, 0.0
078, 2017/06/05 09:35:25, 0.0
079, 2017/06/05 09:35:35, 0.0
080, 2017/06/05 09:35:45, 0.0
081, 2017/06/05 09:35:55, 0.0
082, 2017/06/05 09:36:05, 0.0
083, 2017/06/05 09:36:15, 0.0
084, 2017/06/05 09:36:25, 0.0
085, 2017/06/05 09:36:35, 0.0
086, 2017/06/05 09:36:45, 0.0
087, 2017/06/05 09:36:55, 0.0
088, 2017/06/05 09:37:05, 0.0
089, 2017/06/05 09:37:15, 0.0
090, 2017/06/05 09:37:25, 0.0
091, 2017/06/05 09:37:35, 0.0
092, 2017/06/05 09:37:45, 0.0
093, 2017/06/05 09:37:55, 0.0
094, 2017/06/05 09:38:05, 0.0
095, 2017/06/05 09:38:15, 0.0
096, 2017/06/05 09:38:25, 0.0
097, 2017/06/05 09:38:35, 0.0
098, 2017/06/05 09:38:45, 0.0
099, 2017/06/05 09:38:55, 0.0
100, 2017/06/05 09:39:05, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

101, 2017/06/05 09:39:15, 0.0
102, 2017/06/05 09:39:25, 0.0
103, 2017/06/05 09:39:35, 0.0
104, 2017/06/05 09:39:45, 0.0
105, 2017/06/05 09:39:55, 0.0
106, 2017/06/05 09:40:05, 0.0
107, 2017/06/05 09:40:15, 0.0
108, 2017/06/05 09:40:25, 0.0
109, 2017/06/05 09:40:35, 0.0
110, 2017/06/05 09:40:45, 0.0
111, 2017/06/05 09:40:55, 0.0
112, 2017/06/05 09:41:05, 0.0
113, 2017/06/05 09:41:15, 0.0
114, 2017/06/05 09:41:25, 0.0
115, 2017/06/05 09:41:35, 0.0
116, 2017/06/05 09:41:45, 0.0
117, 2017/06/05 09:41:55, 0.0
118, 2017/06/05 09:42:05, 0.0
119, 2017/06/05 09:42:15, 0.0
120, 2017/06/05 09:42:25, 0.0
121, 2017/06/05 09:42:35, 0.0
122, 2017/06/05 09:42:45, 0.0
123, 2017/06/05 09:42:55, 0.0
124, 2017/06/05 09:43:05, 0.0
125, 2017/06/05 09:43:15, 0.0
126, 2017/06/05 09:43:25, 0.0
127, 2017/06/05 09:43:35, 0.0
128, 2017/06/05 09:43:45, 0.0
129, 2017/06/05 09:43:55, 0.0
130, 2017/06/05 09:44:05, 0.0
131, 2017/06/05 09:44:15, 0.0
132, 2017/06/05 09:44:25, 0.0
133, 2017/06/05 09:44:35, 0.0
134, 2017/06/05 09:44:45, 0.0
135, 2017/06/05 09:44:55, 0.0
136, 2017/06/05 09:45:05, 0.0
137, 2017/06/05 09:45:15, 0.0
138, 2017/06/05 09:45:25, 0.0
139, 2017/06/05 09:45:35, 0.0
140, 2017/06/05 09:45:45, 0.0
141, 2017/06/05 09:45:55, 0.0
142, 2017/06/05 09:46:05, 0.0
143, 2017/06/05 09:46:15, 0.0
144, 2017/06/05 09:46:25, 0.0
145, 2017/06/05 09:46:35, 0.0
146, 2017/06/05 09:46:45, 0.0
147, 2017/06/05 09:46:55, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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148, 2017/06/05 09:47:05, 0.0
149, 2017/06/05 09:47:15, 0.0
150, 2017/06/05 09:47:25, 0.0
151, 2017/06/05 09:47:35, 0.0
152, 2017/06/05 09:47:45, 0.0
153, 2017/06/05 09:47:55, 0.0
154, 2017/06/05 09:48:05, 0.0
155, 2017/06/05 09:48:15, 0.0
156, 2017/06/05 09:48:25, 0.0
157, 2017/06/05 09:48:35, 0.0
158, 2017/06/05 09:48:45, 0.0
159, 2017/06/05 09:48:55, 0.0
160, 2017/06/05 09:49:05, 0.0
161, 2017/06/05 09:49:15, 0.0
162, 2017/06/05 09:49:25, 0.0
163, 2017/06/05 09:49:35, 0.0
164, 2017/06/05 09:49:45, 0.0
165, 2017/06/05 09:49:55, 0.0
166, 2017/06/05 09:50:05, 0.0
167, 2017/06/05 09:50:15, 0.0
168, 2017/06/05 09:50:25, 0.0
169, 2017/06/05 09:50:35, 0.0
170, 2017/06/05 09:50:45, 0.0
171, 2017/06/05 09:50:55, 0.0
172, 2017/06/05 09:51:05, 0.0
173, 2017/06/05 09:51:15, 0.0
174, 2017/06/05 09:51:25, 0.0
175, 2017/06/05 09:51:35, 0.0
176, 2017/06/05 09:51:45, 0.0
177, 2017/06/05 09:51:55, 0.0
178, 2017/06/05 09:52:05, 0.0
179, 2017/06/05 09:52:15, 0.0
180, 2017/06/05 09:52:25, 0.0
181, 2017/06/05 09:52:35, 0.0
182, 2017/06/05 09:52:45, 0.0
183, 2017/06/05 09:52:55, 0.0
184, 2017/06/05 09:53:05, 0.0
185, 2017/06/05 09:53:15, 0.0
186, 2017/06/05 09:53:25, 0.0
187, 2017/06/05 09:53:35, 0.0
188, 2017/06/05 09:53:45, 0.0
189, 2017/06/05 09:53:55, 0.0
190, 2017/06/05 09:54:05, 0.0
191, 2017/06/05 09:54:15, 0.0
192, 2017/06/05 09:54:25, 0.0
193, 2017/06/05 09:54:35, 0.0
194, 2017/06/05 09:54:45, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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195, 2017/06/05 09:54:55, 0.0
196, 2017/06/05 09:55:05, 0.0
197, 2017/06/05 09:55:15, 0.0
198, 2017/06/05 09:55:25, 0.0
199, 2017/06/05 09:55:35, 0.0
200, 2017/06/05 09:55:45, 0.0
201, 2017/06/05 09:55:55, 0.0
202, 2017/06/05 09:56:05, 0.0
203, 2017/06/05 09:56:15, 0.0
204, 2017/06/05 09:56:25, 0.0
205, 2017/06/05 09:56:35, 0.0
206, 2017/06/05 09:56:45, 0.0
207, 2017/06/05 09:56:55, 0.0
208, 2017/06/05 09:57:05, 0.0
209, 2017/06/05 09:57:15, 0.0
210, 2017/06/05 09:57:25, 0.0
211, 2017/06/05 09:57:35, 0.0
212, 2017/06/05 09:57:45, 0.0
213, 2017/06/05 09:57:55, 0.0
214, 2017/06/05 09:58:05, 0.0
215, 2017/06/05 09:58:15, 0.0
216, 2017/06/05 09:58:25, 0.0
217, 2017/06/05 09:58:35, 0.0
218, 2017/06/05 09:58:45, 0.0
219, 2017/06/05 09:58:55, 0.0
220, 2017/06/05 09:59:05, 0.0
221, 2017/06/05 09:59:15, 0.0
222, 2017/06/05 09:59:25, 0.0
223, 2017/06/05 09:59:35, 0.0
224, 2017/06/05 09:59:45, 0.0
225, 2017/06/05 09:59:55, 0.0
226, 2017/06/05 10:00:05, 0.0
227, 2017/06/05 10:00:15, 0.0
228, 2017/06/05 10:00:25, 0.0
229, 2017/06/05 10:00:35, 0.0
230, 2017/06/05 10:00:45, 0.0
231, 2017/06/05 10:00:55, 0.0
232, 2017/06/05 10:01:05, 0.0
233, 2017/06/05 10:01:15, 0.0
234, 2017/06/05 10:01:25, 0.0
235, 2017/06/05 10:01:35, 0.0
236, 2017/06/05 10:01:45, 0.0
237, 2017/06/05 10:01:55, 0.0
238, 2017/06/05 10:02:05, 0.0
239, 2017/06/05 10:02:15, 0.0
240, 2017/06/05 10:02:25, 0.0
241, 2017/06/05 10:02:35, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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242, 2017/06/05 10:02:45, 0.0
243, 2017/06/05 10:02:55, 0.0
244, 2017/06/05 10:03:05, 0.0
245, 2017/06/05 10:03:15, 0.0
246, 2017/06/05 10:03:25, 0.0
247, 2017/06/05 10:03:35, 0.0
248, 2017/06/05 10:03:45, 0.0
249, 2017/06/05 10:03:55, 0.0
250, 2017/06/05 10:04:05, 0.0
251, 2017/06/05 10:04:15, 0.0
252, 2017/06/05 10:04:25, 0.0
253, 2017/06/05 10:04:35, 0.0
254, 2017/06/05 10:04:45, 0.0
255, 2017/06/05 10:04:55, 0.0
256, 2017/06/05 10:05:05, 0.0
257, 2017/06/05 10:05:15, 0.0
258, 2017/06/05 10:05:25, 0.0
259, 2017/06/05 10:05:35, 0.0
260, 2017/06/05 10:05:45, 0.0
261, 2017/06/05 10:05:55, 0.0
262, 2017/06/05 10:06:05, 0.0
263, 2017/06/05 10:06:15, 0.0
264, 2017/06/05 10:06:25, 0.0
265, 2017/06/05 10:06:35, 0.0
266, 2017/06/05 10:06:45, 0.0
267, 2017/06/05 10:06:55, 0.0
268, 2017/06/05 10:07:05, 0.0
269, 2017/06/05 10:07:15, 0.0
270, 2017/06/05 10:07:25, 0.0
271, 2017/06/05 10:07:35, 0.0
272, 2017/06/05 10:07:45, 0.0
273, 2017/06/05 10:07:55, 0.0
274, 2017/06/05 10:08:05, 0.1
275, 2017/06/05 10:08:15, 0.0
276, 2017/06/05 10:08:25, 0.0
277, 2017/06/05 10:08:35, 0.0
278, 2017/06/05 10:08:45, 0.0
279, 2017/06/05 10:08:55, 0.0
280, 2017/06/05 10:09:05, 0.0
281, 2017/06/05 10:09:15, 0.0
282, 2017/06/05 10:09:25, 0.0
283, 2017/06/05 10:09:35, 0.0
284, 2017/06/05 10:09:45, 0.0
285, 2017/06/05 10:09:55, 0.0
286, 2017/06/05 10:10:05, 0.0
287, 2017/06/05 10:10:15, 0.0
288, 2017/06/05 10:10:25, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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289, 2017/06/05 10:10:35, 0.0
290, 2017/06/05 10:10:45, 0.0
291, 2017/06/05 10:10:55, 0.0
292, 2017/06/05 10:11:05, 0.0
293, 2017/06/05 10:11:15, 0.0
294, 2017/06/05 10:11:25, 0.0
295, 2017/06/05 10:11:35, 0.0
296, 2017/06/05 10:11:45, 0.0
297, 2017/06/05 10:11:55, 0.0
298, 2017/06/05 10:12:05, 0.0
299, 2017/06/05 10:12:15, 0.0
300, 2017/06/05 10:12:25, 0.0
301, 2017/06/05 10:12:35, 0.0
302, 2017/06/05 10:12:45, 0.0
303, 2017/06/05 10:12:55, 0.0
304, 2017/06/05 10:13:05, 0.0
305, 2017/06/05 10:13:15, 0.0
306, 2017/06/05 10:13:25, 0.0
307, 2017/06/05 10:13:35, 0.0
308, 2017/06/05 10:13:45, 0.0
309, 2017/06/05 10:13:55, 0.0
310, 2017/06/05 10:14:05, 0.0
311, 2017/06/05 10:14:15, 0.0
312, 2017/06/05 10:14:25, 0.0
313, 2017/06/05 10:14:35, 0.0
314, 2017/06/05 10:14:45, 0.0
315, 2017/06/05 10:14:55, 0.0
316, 2017/06/05 10:15:05, 0.0
317, 2017/06/05 10:15:15, 0.0
318, 2017/06/05 10:15:25, 0.0
319, 2017/06/05 10:15:35, 0.0
320, 2017/06/05 10:15:45, 0.0
321, 2017/06/05 10:15:55, 0.0
322, 2017/06/05 10:16:05, 0.0
323, 2017/06/05 10:16:15, 0.0
324, 2017/06/05 10:16:25, 0.0
325, 2017/06/05 10:16:35, 0.0
326, 2017/06/05 10:16:45, 0.0
327, 2017/06/05 10:16:55, 0.0
328, 2017/06/05 10:17:05, 0.0
329, 2017/06/05 10:17:15, 0.0
330, 2017/06/05 10:17:25, 0.0
331, 2017/06/05 10:17:35, 0.0
332, 2017/06/05 10:17:45, 0.0
333, 2017/06/05 10:17:55, 0.0
334, 2017/06/05 10:18:05, 0.0
335, 2017/06/05 10:18:15, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

336, 2017/06/05 10:18:25, 0.0
337, 2017/06/05 10:18:35, 0.0
338, 2017/06/05 10:18:45, 0.0
339, 2017/06/05 10:18:55, 0.0
340, 2017/06/05 10:19:05, 0.0
341, 2017/06/05 10:19:15, 0.0
342, 2017/06/05 10:19:25, 0.0
343, 2017/06/05 10:19:35, 0.0
344, 2017/06/05 10:19:45, 0.0
345, 2017/06/05 10:19:55, 0.0
346, 2017/06/05 10:20:05, 0.0
347, 2017/06/05 10:20:15, 0.0
348, 2017/06/05 10:20:25, 0.0
349, 2017/06/05 10:20:35, 0.0
350, 2017/06/05 10:20:45, 0.0
351, 2017/06/05 10:20:55, 0.0
352, 2017/06/05 10:21:05, 0.0
353, 2017/06/05 10:21:15, 0.0
354, 2017/06/05 10:21:25, 0.0
355, 2017/06/05 10:21:35, 0.0
356, 2017/06/05 10:21:45, 0.0
357, 2017/06/05 10:21:55, 0.0
358, 2017/06/05 10:22:05, 0.0
359, 2017/06/05 10:22:15, 0.0
360, 2017/06/05 10:22:25, 0.0
361, 2017/06/05 10:22:35, 0.0
362, 2017/06/05 10:22:45, 0.0
363, 2017/06/05 10:22:55, 0.0
364, 2017/06/05 10:23:05, 0.0
365, 2017/06/05 10:23:15, 0.0
366, 2017/06/05 10:23:25, 0.0
367, 2017/06/05 10:23:35, 0.0
368, 2017/06/05 10:23:45, 0.0
369, 2017/06/05 10:23:55, 0.0
370, 2017/06/05 10:24:05, 0.0
371, 2017/06/05 10:24:15, 0.0
372, 2017/06/05 10:24:25, 0.0
373, 2017/06/05 10:24:35, 0.0
374, 2017/06/05 10:24:45, 0.0
375, 2017/06/05 10:24:55, 0.0
376, 2017/06/05 10:25:05, 0.0
377, 2017/06/05 10:25:15, 0.0
378, 2017/06/05 10:25:25, 0.0
379, 2017/06/05 10:25:35, 0.0
380, 2017/06/05 10:25:45, 0.0
381, 2017/06/05 10:25:55, 0.0
382, 2017/06/05 10:26:05, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

383, 2017/06/05 10:26:15, 0.0
384, 2017/06/05 10:26:25, 0.0
385, 2017/06/05 10:26:35, 0.0
386, 2017/06/05 10:26:45, 0.0
387, 2017/06/05 10:26:55, 0.0
388, 2017/06/05 10:27:05, 0.0
389, 2017/06/05 10:27:15, 0.0
390, 2017/06/05 10:27:25, 0.0
391, 2017/06/05 10:27:35, 0.0
392, 2017/06/05 10:27:45, 0.0
393, 2017/06/05 10:27:55, 0.0
394, 2017/06/05 10:28:05, 0.0
395, 2017/06/05 10:28:15, 0.0
396, 2017/06/05 10:28:25, 0.0
397, 2017/06/05 10:28:35, 0.0
398, 2017/06/05 10:28:45, 0.0
399, 2017/06/05 10:28:55, 0.0
400, 2017/06/05 10:29:05, 0.0
401, 2017/06/05 10:29:15, 0.0
402, 2017/06/05 10:29:25, 0.0
403, 2017/06/05 10:29:35, 0.0
404, 2017/06/05 10:29:45, 0.0
405, 2017/06/05 10:29:55, 0.0
406, 2017/06/05 10:30:05, 0.0
407, 2017/06/05 10:30:15, 0.0
408, 2017/06/05 10:30:25, 0.0
409, 2017/06/05 10:30:35, 0.0
410, 2017/06/05 10:30:45, 0.0
411, 2017/06/05 10:30:55, 0.0
412, 2017/06/05 10:31:05, 0.0
413, 2017/06/05 10:31:15, 0.0
414, 2017/06/05 10:31:25, 0.0
415, 2017/06/05 10:31:35, 0.0
416, 2017/06/05 10:31:45, 0.0
417, 2017/06/05 10:31:55, 0.0
418, 2017/06/05 10:32:05, 0.0
419, 2017/06/05 10:32:15, 0.0
420, 2017/06/05 10:32:25, 0.0
421, 2017/06/05 10:32:35, 0.0
422, 2017/06/05 10:32:45, 0.0
423, 2017/06/05 10:32:55, 0.0
424, 2017/06/05 10:33:05, 0.0
425, 2017/06/05 10:33:15, 0.0
426, 2017/06/05 10:33:25, 0.0
427, 2017/06/05 10:33:35, 0.0
428, 2017/06/05 10:33:45, 0.0
429, 2017/06/05 10:33:55, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

430, 2017/06/05 10:34:05, 0.0
431, 2017/06/05 10:34:15, 0.0
432, 2017/06/05 10:34:25, 0.0
433, 2017/06/05 10:34:35, 0.0
434, 2017/06/05 10:34:45, 0.0
435, 2017/06/05 10:34:55, 0.0
436, 2017/06/05 10:35:05, 0.0
437, 2017/06/05 10:35:15, 0.0
438, 2017/06/05 10:35:25, 0.0
439, 2017/06/05 10:35:35, 0.0
440, 2017/06/05 10:35:45, 0.0
441, 2017/06/05 10:35:55, 0.0
442, 2017/06/05 10:36:05, 0.0
443, 2017/06/05 10:36:15, 0.0
444, 2017/06/05 10:36:25, 0.0
445, 2017/06/05 10:36:35, 0.0
446, 2017/06/05 10:36:45, 0.0
447, 2017/06/05 10:36:55, 0.0
448, 2017/06/05 10:37:05, 0.0
449, 2017/06/05 10:37:15, 0.0
450, 2017/06/05 10:37:25, 0.0
451, 2017/06/05 10:37:35, 0.0
452, 2017/06/05 10:37:45, 0.0
453, 2017/06/05 10:37:55, 0.0
454, 2017/06/05 10:38:05, 0.0
455, 2017/06/05 10:38:15, 0.0
456, 2017/06/05 10:38:25, 0.0
457, 2017/06/05 10:38:35, 0.0
458, 2017/06/05 10:38:45, 0.0
459, 2017/06/05 10:38:55, 0.0
460, 2017/06/05 10:39:05, 0.0
461, 2017/06/05 10:39:15, 0.0
462, 2017/06/05 10:39:25, 0.0
463, 2017/06/05 10:39:35, 0.0
464, 2017/06/05 10:39:45, 0.0
465, 2017/06/05 10:39:55, 0.0
466, 2017/06/05 10:40:05, 0.0
467, 2017/06/05 10:40:15, 0.0
468, 2017/06/05 10:40:25, 0.0
469, 2017/06/05 10:40:35, 0.0
470, 2017/06/05 10:40:45, 0.0
471, 2017/06/05 10:40:55, 0.0
472, 2017/06/05 10:41:05, 0.0
473, 2017/06/05 10:41:15, 0.0
474, 2017/06/05 10:41:25, 0.0
475, 2017/06/05 10:41:35, 0.0
476, 2017/06/05 10:41:45, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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477, 2017/06/05 10:41:55, 0.0
478, 2017/06/05 10:42:05, 0.0
479, 2017/06/05 10:42:15, 0.0
480, 2017/06/05 10:42:25, 0.0
481, 2017/06/05 10:42:35, 0.0
482, 2017/06/05 10:42:45, 0.0
483, 2017/06/05 10:42:55, 0.0
484, 2017/06/05 10:43:05, 0.0
485, 2017/06/05 10:43:15, 0.0
486, 2017/06/05 10:43:25, 0.0
487, 2017/06/05 10:43:35, 0.0
488, 2017/06/05 10:43:45, 0.0
489, 2017/06/05 10:43:55, 0.0
490, 2017/06/05 10:44:05, 0.0
491, 2017/06/05 10:44:15, 0.0
492, 2017/06/05 10:44:25, 0.0
493, 2017/06/05 10:44:35, 0.0
494, 2017/06/05 10:44:45, 0.0
495, 2017/06/05 10:44:55, 0.0
496, 2017/06/05 10:45:05, 0.0
497, 2017/06/05 10:45:15, 0.0
498, 2017/06/05 10:45:25, 0.0
499, 2017/06/05 10:45:35, 0.0
500, 2017/06/05 10:45:45, 0.0
501, 2017/06/05 10:45:55, 0.0
502, 2017/06/05 10:46:05, 0.0
503, 2017/06/05 10:46:15, 0.0
504, 2017/06/05 10:46:25, 0.0
505, 2017/06/05 10:46:35, 0.0
506, 2017/06/05 10:46:45, 0.0
507, 2017/06/05 10:46:55, 0.0
508, 2017/06/05 10:47:05, 0.0
509, 2017/06/05 10:47:15, 0.0
510, 2017/06/05 10:47:25, 0.0
511, 2017/06/05 10:47:35, 0.0
512, 2017/06/05 10:47:45, 0.0
513, 2017/06/05 10:47:55, 0.0
514, 2017/06/05 10:48:05, 0.0
515, 2017/06/05 10:48:15, 0.0
516, 2017/06/05 10:48:25, 0.0
517, 2017/06/05 10:48:35, 0.0
518, 2017/06/05 10:48:45, 0.0
519, 2017/06/05 10:48:55, 0.0
520, 2017/06/05 10:49:05, 0.0
521, 2017/06/05 10:49:15, 0.0
522, 2017/06/05 10:49:25, 0.0
523, 2017/06/05 10:49:35, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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524, 2017/06/05 10:49:45, 0.0
525, 2017/06/05 10:49:55, 0.0
526, 2017/06/05 10:50:05, 0.0
527, 2017/06/05 10:50:15, 0.0
528, 2017/06/05 10:50:25, 0.0
529, 2017/06/05 10:50:35, 0.0
530, 2017/06/05 10:50:45, 0.0
531, 2017/06/05 10:50:55, 0.0
532, 2017/06/05 10:51:05, 0.0
533, 2017/06/05 10:51:15, 0.0
534, 2017/06/05 10:51:25, 0.0
535, 2017/06/05 10:51:35, 0.0
536, 2017/06/05 10:51:45, 0.0
537, 2017/06/05 10:51:55, 0.0
538, 2017/06/05 10:52:05, 0.0
539, 2017/06/05 10:52:15, 0.0
540, 2017/06/05 10:52:25, 0.0
541, 2017/06/05 10:52:35, 0.0
542, 2017/06/05 10:52:45, 0.0
543, 2017/06/05 10:52:55, 0.0
544, 2017/06/05 10:53:05, 0.0
545, 2017/06/05 10:53:15, 0.0
546, 2017/06/05 10:53:25, 0.0
547, 2017/06/05 10:53:35, 0.0
548, 2017/06/05 10:53:45, 0.0
549, 2017/06/05 10:53:55, 0.0
550, 2017/06/05 10:54:05, 0.0
551, 2017/06/05 10:54:15, 0.0
552, 2017/06/05 10:54:25, 0.0
553, 2017/06/05 10:54:35, 0.0
554, 2017/06/05 10:54:45, 0.0
555, 2017/06/05 10:54:55, 0.0
556, 2017/06/05 10:55:05, 0.0
557, 2017/06/05 10:55:15, 0.0
558, 2017/06/05 10:55:25, 0.0
559, 2017/06/05 10:55:35, 0.0
560, 2017/06/05 10:55:45, 0.0
561, 2017/06/05 10:55:55, 0.0
562, 2017/06/05 10:56:05, 0.0
563, 2017/06/05 10:56:15, 0.0
564, 2017/06/05 10:56:25, 0.0
565, 2017/06/05 10:56:35, 0.0
566, 2017/06/05 10:56:45, 0.0
567, 2017/06/05 10:56:55, 0.0
568, 2017/06/05 10:57:05, 0.0
569, 2017/06/05 10:57:15, 0.0
570, 2017/06/05 10:57:25, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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571, 2017/06/05 10:57:35, 0.0
572, 2017/06/05 10:57:45, 0.0
573, 2017/06/05 10:57:55, 0.0
574, 2017/06/05 10:58:05, 0.0
575, 2017/06/05 10:58:15, 0.0
576, 2017/06/05 10:58:25, 0.0
577, 2017/06/05 10:58:35, 0.0
578, 2017/06/05 10:58:45, 0.0
579, 2017/06/05 10:58:55, 0.0
580, 2017/06/05 10:59:05, 0.0
581, 2017/06/05 10:59:15, 0.0
582, 2017/06/05 10:59:25, 0.0
583, 2017/06/05 10:59:35, 0.0
584, 2017/06/05 10:59:45, 0.0
585, 2017/06/05 10:59:55, 0.0
586, 2017/06/05 11:00:05, 0.0
587, 2017/06/05 11:00:15, 0.0
588, 2017/06/05 11:00:25, 0.0
589, 2017/06/05 11:00:35, 0.0
590, 2017/06/05 11:00:45, 0.0
591, 2017/06/05 11:00:55, 0.0
592, 2017/06/05 11:01:05, 0.0
593, 2017/06/05 11:01:15, 0.0
594, 2017/06/05 11:01:25, 0.0
595, 2017/06/05 11:01:35, 0.0
596, 2017/06/05 11:01:45, 0.0
597, 2017/06/05 11:01:55, 0.0
598, 2017/06/05 11:02:05, 0.0
599, 2017/06/05 11:02:15, 0.0
600, 2017/06/05 11:02:25, 0.0
601, 2017/06/05 11:02:35, 0.0
602, 2017/06/05 11:02:45, 0.0
603, 2017/06/05 11:02:55, 0.0
604, 2017/06/05 11:03:05, 0.0
605, 2017/06/05 11:03:15, 0.0
606, 2017/06/05 11:03:25, 0.0
607, 2017/06/05 11:03:35, 0.0
608, 2017/06/05 11:03:45, 0.0
609, 2017/06/05 11:03:55, 0.0
610, 2017/06/05 11:04:05, 0.0
611, 2017/06/05 11:04:15, 0.0
612, 2017/06/05 11:04:25, 0.0
613, 2017/06/05 11:04:35, 0.0
614, 2017/06/05 11:04:45, 0.0
615, 2017/06/05 11:04:55, 0.0
616, 2017/06/05 11:05:05, 0.0
617, 2017/06/05 11:05:15, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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618, 2017/06/05 11:05:25, 0.0
619, 2017/06/05 11:05:35, 0.0
620, 2017/06/05 11:05:45, 0.0
621, 2017/06/05 11:05:55, 0.0
622, 2017/06/05 11:06:05, 0.0
623, 2017/06/05 11:06:15, 0.0
624, 2017/06/05 11:06:25, 0.0
625, 2017/06/05 11:06:35, 0.0
626, 2017/06/05 11:06:45, 0.0
627, 2017/06/05 11:06:55, 0.0
628, 2017/06/05 11:07:05, 0.0
629, 2017/06/05 11:07:15, 0.0
630, 2017/06/05 11:07:25, 0.0
631, 2017/06/05 11:07:35, 0.0
632, 2017/06/05 11:07:45, 0.0
633, 2017/06/05 11:07:55, 0.0
634, 2017/06/05 11:08:05, 0.0
635, 2017/06/05 11:08:15, 0.0
636, 2017/06/05 11:08:25, 0.0
637, 2017/06/05 11:08:35, 0.0
638, 2017/06/05 11:08:45, 0.0
639, 2017/06/05 11:08:55, 0.0
640, 2017/06/05 11:09:05, 0.0
641, 2017/06/05 11:09:15, 0.0
642, 2017/06/05 11:09:25, 0.0
643, 2017/06/05 11:09:35, 0.0
644, 2017/06/05 11:09:45, 0.0
645, 2017/06/05 11:09:55, 0.0
646, 2017/06/05 11:10:05, 0.0
647, 2017/06/05 11:10:15, 0.0
648, 2017/06/05 11:10:25, 0.0
649, 2017/06/05 11:10:35, 0.0
650, 2017/06/05 11:10:45, 0.0
651, 2017/06/05 11:10:55, 0.0
652, 2017/06/05 11:11:05, 0.0
653, 2017/06/05 11:11:15, 0.0
654, 2017/06/05 11:11:25, 0.0
655, 2017/06/05 11:11:35, 0.0
656, 2017/06/05 11:11:45, 0.0
657, 2017/06/05 11:11:55, 0.0
658, 2017/06/05 11:12:05, 0.0
659, 2017/06/05 11:12:15, 0.0
660, 2017/06/05 11:12:25, 0.0
661, 2017/06/05 11:12:35, 0.0
662, 2017/06/05 11:12:45, 0.0
663, 2017/06/05 11:12:55, 0.0
664, 2017/06/05 11:13:05, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

665, 2017/06/05 11:13:15, 0.0
666, 2017/06/05 11:13:25, 0.0
667, 2017/06/05 11:13:35, 0.0
668, 2017/06/05 11:13:45, 0.0
669, 2017/06/05 11:13:55, 0.0
670, 2017/06/05 11:14:05, 0.0
671, 2017/06/05 11:14:15, 0.0
672, 2017/06/05 11:14:25, 0.0
673, 2017/06/05 11:14:35, 0.0
674, 2017/06/05 11:14:45, 0.0
675, 2017/06/05 11:14:55, 0.0
676, 2017/06/05 11:15:05, 0.0
677, 2017/06/05 11:15:15, 0.0
678, 2017/06/05 11:15:25, 0.0
679, 2017/06/05 11:15:35, 0.0
680, 2017/06/05 11:15:45, 0.0
681, 2017/06/05 11:15:55, 0.0
682, 2017/06/05 11:16:05, 0.0
683, 2017/06/05 11:16:15, 0.0
684, 2017/06/05 11:16:25, 0.0
685, 2017/06/05 11:16:35, 0.0
686, 2017/06/05 11:16:45, 0.0
687, 2017/06/05 11:16:55, 0.0
688, 2017/06/05 11:17:05, 0.0
689, 2017/06/05 11:17:15, 0.0
690, 2017/06/05 11:17:25, 0.0
691, 2017/06/05 11:17:35, 0.0
692, 2017/06/05 11:17:45, 0.0
693, 2017/06/05 11:17:55, 0.0
694, 2017/06/05 11:18:05, 0.0
695, 2017/06/05 11:18:15, 0.0
696, 2017/06/05 11:18:25, 0.0
697, 2017/06/05 11:18:35, 0.0
698, 2017/06/05 11:18:45, 0.0
699, 2017/06/05 11:18:55, 0.0
700, 2017/06/05 11:19:05, 0.0
701, 2017/06/05 11:19:15, 0.0
702, 2017/06/05 11:19:25, 0.0
703, 2017/06/05 11:19:35, 0.0
704, 2017/06/05 11:19:45, 0.0
705, 2017/06/05 11:19:55, 0.0
706, 2017/06/05 11:20:05, 0.0
707, 2017/06/05 11:20:15, 0.0
708, 2017/06/05 11:20:25, 0.0
709, 2017/06/05 11:20:35, 0.0
710, 2017/06/05 11:20:45, 0.0
711, 2017/06/05 11:20:55, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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712, 2017/06/05 11:21:05, 0.0
713, 2017/06/05 11:21:15, 0.0
714, 2017/06/05 11:21:25, 0.0
715, 2017/06/05 11:21:35, 0.0
716, 2017/06/05 11:21:45, 0.0
717, 2017/06/05 11:21:55, 0.0
718, 2017/06/05 11:22:05, 0.0
719, 2017/06/05 11:22:15, 0.0
720, 2017/06/05 11:22:25, 0.0
721, 2017/06/05 11:22:35, 0.0
722, 2017/06/05 11:22:45, 0.0
723, 2017/06/05 11:22:55, 0.0
724, 2017/06/05 11:23:05, 0.0
725, 2017/06/05 11:23:15, 0.0
726, 2017/06/05 11:23:25, 0.0
727, 2017/06/05 11:23:35, 0.0
728, 2017/06/05 11:23:45, 0.0
729, 2017/06/05 11:23:55, 0.0
730, 2017/06/05 11:24:05, 0.0
731, 2017/06/05 11:24:15, 0.0
732, 2017/06/05 11:24:25, 0.0
733, 2017/06/05 11:24:35, 0.0
734, 2017/06/05 11:24:45, 0.0
735, 2017/06/05 11:24:55, 0.0
736, 2017/06/05 11:25:05, 0.0
737, 2017/06/05 11:25:15, 0.0
738, 2017/06/05 11:25:25, 0.0
739, 2017/06/05 11:25:35, 0.0
740, 2017/06/05 11:25:45, 0.0
741, 2017/06/05 11:25:55, 0.0
742, 2017/06/05 11:26:05, 0.0
743, 2017/06/05 11:26:15, 0.0
744, 2017/06/05 11:26:25, 0.0
745, 2017/06/05 11:26:35, 0.0
746, 2017/06/05 11:26:45, 0.0
747, 2017/06/05 11:26:55, 0.0
748, 2017/06/05 11:27:05, 0.0
749, 2017/06/05 11:27:15, 0.0
750, 2017/06/05 11:27:25, 0.0
751, 2017/06/05 11:27:35, 0.0
752, 2017/06/05 11:27:45, 0.0
753, 2017/06/05 11:27:55, 0.0
754, 2017/06/05 11:28:05, 0.0
755, 2017/06/05 11:28:15, 0.0
756, 2017/06/05 11:28:25, 0.0
757, 2017/06/05 11:28:35, 0.0
758, 2017/06/05 11:28:45, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

759, 2017/06/05 11:28:55, 0.0
760, 2017/06/05 11:29:05, 0.0
761, 2017/06/05 11:29:15, 0.0
762, 2017/06/05 11:29:25, 0.0
763, 2017/06/05 11:29:35, 0.0
764, 2017/06/05 11:29:45, 0.0
765, 2017/06/05 11:29:55, 0.0
766, 2017/06/05 11:30:05, 0.0
767, 2017/06/05 11:30:15, 0.0
768, 2017/06/05 11:30:25, 0.0
769, 2017/06/05 11:30:35, 0.0
770, 2017/06/05 11:30:45, 0.0
771, 2017/06/05 11:30:55, 0.0
772, 2017/06/05 11:31:05, 0.0
773, 2017/06/05 11:31:15, 0.0
774, 2017/06/05 11:31:25, 0.0
775, 2017/06/05 11:31:35, 0.0
776, 2017/06/05 11:31:45, 0.0
777, 2017/06/05 11:31:55, 0.0
778, 2017/06/05 11:32:05, 0.0
779, 2017/06/05 11:32:15, 0.0
780, 2017/06/05 11:32:25, 0.0
781, 2017/06/05 11:32:35, 0.0
782, 2017/06/05 11:32:45, 0.0
783, 2017/06/05 11:32:55, 0.0
784, 2017/06/05 11:33:05, 0.0
785, 2017/06/05 11:33:15, 0.0
786, 2017/06/05 11:33:25, 0.0
787, 2017/06/05 11:33:35, 0.0
788, 2017/06/05 11:33:45, 0.0
789, 2017/06/05 11:33:55, 0.0
790, 2017/06/05 11:34:05, 0.0
791, 2017/06/05 11:34:15, 0.0
792, 2017/06/05 11:34:25, 0.0
793, 2017/06/05 11:34:35, 0.0
794, 2017/06/05 11:34:45, 0.0
795, 2017/06/05 11:34:55, 0.0
796, 2017/06/05 11:35:05, 0.0
797, 2017/06/05 11:35:15, 0.0
798, 2017/06/05 11:35:25, 0.0
799, 2017/06/05 11:35:35, 0.0
800, 2017/06/05 11:35:45, 0.0
801, 2017/06/05 11:35:55, 0.0
802, 2017/06/05 11:36:05, 0.0
803, 2017/06/05 11:36:15, 0.0
804, 2017/06/05 11:36:25, 0.0
805, 2017/06/05 11:36:35, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

806, 2017/06/05 11:36:45, 0.0
807, 2017/06/05 11:36:55, 0.0
808, 2017/06/05 11:37:05, 0.0
809, 2017/06/05 11:37:15, 0.0
810, 2017/06/05 11:37:25, 0.0
811, 2017/06/05 11:37:35, 0.0
812, 2017/06/05 11:37:45, 0.0
813, 2017/06/05 11:37:55, 0.0
814, 2017/06/05 11:38:05, 0.0
815, 2017/06/05 11:38:15, 0.0
816, 2017/06/05 11:38:25, 0.0
817, 2017/06/05 11:38:35, 0.0
818, 2017/06/05 11:38:45, 0.0
819, 2017/06/05 11:38:55, 0.0
820, 2017/06/05 11:39:05, 0.0
821, 2017/06/05 11:39:15, 0.0
822, 2017/06/05 11:39:25, 0.0
823, 2017/06/05 11:39:35, 0.0
824, 2017/06/05 11:39:45, 0.0
825, 2017/06/05 11:39:55, 0.0
826, 2017/06/05 11:40:05, 0.0
827, 2017/06/05 11:40:15, 0.0
828, 2017/06/05 11:40:25, 0.0
829, 2017/06/05 11:40:35, 0.0
830, 2017/06/05 11:40:45, 0.0
831, 2017/06/05 11:40:55, 0.0
832, 2017/06/05 11:41:05, 0.0
833, 2017/06/05 11:41:15, 0.0
834, 2017/06/05 11:41:25, 0.0
835, 2017/06/05 11:41:35, 0.0
836, 2017/06/05 11:41:45, 0.0
837, 2017/06/05 11:41:55, 0.0
838, 2017/06/05 11:42:05, 0.0
839, 2017/06/05 11:42:15, 0.0
840, 2017/06/05 11:42:25, 0.0
841, 2017/06/05 11:42:35, 0.0
842, 2017/06/05 11:42:45, 0.0
843, 2017/06/05 11:42:55, 0.0
844, 2017/06/05 11:43:05, 0.0
845, 2017/06/05 11:43:15, 0.0
846, 2017/06/05 11:43:25, 0.0
847, 2017/06/05 11:43:35, 0.0
848, 2017/06/05 11:43:45, 0.0
849, 2017/06/05 11:43:55, 0.0
850, 2017/06/05 11:44:05, 0.0
851, 2017/06/05 11:44:15, 0.0
852, 2017/06/05 11:44:25, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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853, 2017/06/05 11:44:35, 0.0
854, 2017/06/05 11:44:45, 0.0
855, 2017/06/05 11:44:55, 0.0
856, 2017/06/05 11:45:05, 0.0
857, 2017/06/05 11:45:15, 0.0
858, 2017/06/05 11:45:25, 0.0
859, 2017/06/05 11:45:35, 0.0
860, 2017/06/05 11:45:45, 0.0
861, 2017/06/05 11:45:55, 0.0
862, 2017/06/05 11:46:05, 0.0
863, 2017/06/05 11:46:15, 0.0
864, 2017/06/05 11:46:25, 0.0
865, 2017/06/05 11:46:35, 0.0
866, 2017/06/05 11:46:45, 0.0
867, 2017/06/05 11:46:55, 0.0
868, 2017/06/05 11:47:05, 0.0
869, 2017/06/05 11:47:15, 0.0
870, 2017/06/05 11:47:25, 0.0
871, 2017/06/05 11:47:35, 0.0
872, 2017/06/05 11:47:45, 0.0
873, 2017/06/05 11:47:55, 0.0
874, 2017/06/05 11:48:05, 0.0
875, 2017/06/05 11:48:15, 0.0
876, 2017/06/05 11:48:25, 0.0
877, 2017/06/05 11:48:35, 0.0
878, 2017/06/05 11:48:45, 0.0
879, 2017/06/05 11:48:55, 0.0
880, 2017/06/05 11:49:05, 0.0
881, 2017/06/05 11:49:15, 0.0
882, 2017/06/05 11:49:25, 0.0
883, 2017/06/05 11:49:35, 0.0
884, 2017/06/05 11:49:45, 0.0
885, 2017/06/05 11:49:55, 0.0
886, 2017/06/05 11:50:05, 0.0
887, 2017/06/05 11:50:15, 0.0
888, 2017/06/05 11:50:25, 0.0
889, 2017/06/05 11:50:35, 0.0
890, 2017/06/05 11:50:45, 0.0
891, 2017/06/05 11:50:55, 0.0
892, 2017/06/05 11:51:05, 0.0
893, 2017/06/05 11:51:15, 0.0
894, 2017/06/05 11:51:25, 0.0
895, 2017/06/05 11:51:35, 0.0
896, 2017/06/05 11:51:45, 0.0
897, 2017/06/05 11:51:55, 0.0
898, 2017/06/05 11:52:05, 0.0
899, 2017/06/05 11:52:15, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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900, 2017/06/05 11:52:25, 0.0
901, 2017/06/05 11:52:35, 0.0
902, 2017/06/05 11:52:45, 0.0
903, 2017/06/05 11:52:55, 0.0
904, 2017/06/05 11:53:05, 0.0
905, 2017/06/05 11:53:15, 0.0
906, 2017/06/05 11:53:25, 0.0
907, 2017/06/05 11:53:35, 0.0
908, 2017/06/05 11:53:45, 0.0
909, 2017/06/05 11:53:55, 0.0
910, 2017/06/05 11:54:05, 0.0
911, 2017/06/05 11:54:15, 0.0
912, 2017/06/05 11:54:25, 0.0
913, 2017/06/05 11:54:35, 0.0
914, 2017/06/05 11:54:45, 0.0
915, 2017/06/05 11:54:55, 0.0
916, 2017/06/05 11:55:05, 0.0
917, 2017/06/05 11:55:15, 0.0
918, 2017/06/05 11:55:25, 0.0
919, 2017/06/05 11:55:35, 0.0
920, 2017/06/05 11:55:45, 0.0
921, 2017/06/05 11:55:55, 0.0
922, 2017/06/05 11:56:05, 0.0
923, 2017/06/05 11:56:15, 0.0
924, 2017/06/05 11:56:25, 0.0
925, 2017/06/05 11:56:35, 0.0
926, 2017/06/05 11:56:45, 0.0
927, 2017/06/05 11:56:55, 0.0
928, 2017/06/05 11:57:05, 0.0
929, 2017/06/05 11:57:15, 0.0
930, 2017/06/05 11:57:25, 0.0
931, 2017/06/05 11:57:35, 0.0
932, 2017/06/05 11:57:45, 0.0
933, 2017/06/05 11:57:55, 0.0
934, 2017/06/05 11:58:05, 0.0
935, 2017/06/05 11:58:15, 0.0
936, 2017/06/05 11:58:25, 0.0
937, 2017/06/05 11:58:35, 0.0
938, 2017/06/05 11:58:45, 0.0
939, 2017/06/05 11:58:55, 0.0
940, 2017/06/05 11:59:05, 0.0
941, 2017/06/05 11:59:15, 0.0
942, 2017/06/05 11:59:25, 0.0
943, 2017/06/05 11:59:35, 0.0
944, 2017/06/05 11:59:45, 0.0
945, 2017/06/05 11:59:55, 0.0
946, 2017/06/05 12:00:05, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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947, 2017/06/05 12:00:15, 0.0
948, 2017/06/05 12:00:25, 0.0
949, 2017/06/05 12:00:35, 0.0
950, 2017/06/05 12:00:45, 0.0
951, 2017/06/05 12:00:55, 0.0
952, 2017/06/05 12:01:05, 0.0
953, 2017/06/05 12:01:15, 0.0
954, 2017/06/05 12:01:25, 0.0
955, 2017/06/05 12:01:35, 0.0
956, 2017/06/05 12:01:45, 0.0
957, 2017/06/05 12:01:55, 0.0
958, 2017/06/05 12:02:05, 0.0
959, 2017/06/05 12:02:15, 0.0
960, 2017/06/05 12:02:25, 0.0
961, 2017/06/05 12:02:35, 0.0
962, 2017/06/05 12:02:45, 0.0
963, 2017/06/05 12:02:55, 0.0
964, 2017/06/05 12:03:05, 0.0
965, 2017/06/05 12:03:15, 0.0
966, 2017/06/05 12:03:25, 0.0
967, 2017/06/05 12:03:35, 0.0
968, 2017/06/05 12:03:45, 0.0
969, 2017/06/05 12:03:55, 0.0
970, 2017/06/05 12:04:05, 0.0
971, 2017/06/05 12:04:15, 0.0
972, 2017/06/05 12:04:25, 0.0
973, 2017/06/05 12:04:35, 0.0
974, 2017/06/05 12:04:45, 0.0
975, 2017/06/05 12:04:55, 0.0
976, 2017/06/05 12:05:05, 0.0
977, 2017/06/05 12:05:15, 0.0
978, 2017/06/05 12:05:25, 0.0
979, 2017/06/05 12:05:35, 0.0
980, 2017/06/05 12:05:45, 0.0
981, 2017/06/05 12:05:55, 0.0
982, 2017/06/05 12:06:05, 0.0
983, 2017/06/05 12:06:15, 0.0
984, 2017/06/05 12:06:25, 0.0
985, 2017/06/05 12:06:35, 0.0
986, 2017/06/05 12:06:45, 0.0
987, 2017/06/05 12:06:55, 0.0
988, 2017/06/05 12:07:05, 0.0
989, 2017/06/05 12:07:15, 0.0
990, 2017/06/05 12:07:25, 0.0
991, 2017/06/05 12:07:35, 0.0
992, 2017/06/05 12:07:45, 0.0
993, 2017/06/05 12:07:55, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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994, 2017/06/05 12:08:05, 0.0
995, 2017/06/05 12:08:15, 0.0
996, 2017/06/05 12:08:25, 0.0
997, 2017/06/05 12:08:35, 0.0
998, 2017/06/05 12:08:45, 0.0
999, 2017/06/05 12:08:55, 0.0
1000, 2017/06/05 12:09:05, 0.0
1001, 2017/06/05 12:09:15, 0.0
1002, 2017/06/05 12:09:25, 0.0
1003, 2017/06/05 12:09:35, 0.0
1004, 2017/06/05 12:09:45, 0.0
1005, 2017/06/05 12:09:55, 0.0
1006, 2017/06/05 12:10:05, 0.0
1007, 2017/06/05 12:10:15, 0.0
1008, 2017/06/05 12:10:25, 0.0
1009, 2017/06/05 12:10:35, 0.0
1010, 2017/06/05 12:10:45, 0.0
1011, 2017/06/05 12:10:55, 0.0
1012, 2017/06/05 12:11:05, 0.0
1013, 2017/06/05 12:11:15, 0.0
1014, 2017/06/05 12:11:25, 0.0
1015, 2017/06/05 12:11:35, 0.0
1016, 2017/06/05 12:11:45, 0.0
1017, 2017/06/05 12:11:55, 0.0
1018, 2017/06/05 12:12:05, 0.0
1019, 2017/06/05 12:12:15, 0.0
1020, 2017/06/05 12:12:25, 0.0
1021, 2017/06/05 12:12:35, 0.0
1022, 2017/06/05 12:12:45, 0.0
1023, 2017/06/05 12:12:55, 0.0
1024, 2017/06/05 12:13:05, 0.0
1025, 2017/06/05 12:13:15, 0.0
1026, 2017/06/05 12:13:25, 0.0
1027, 2017/06/05 12:13:35, 0.0
1028, 2017/06/05 12:13:45, 0.0
1029, 2017/06/05 12:13:55, 0.0
1030, 2017/06/05 12:14:05, 0.0
1031, 2017/06/05 12:14:15, 0.0
1032, 2017/06/05 12:14:25, 0.0
1033, 2017/06/05 12:14:35, 0.0
1034, 2017/06/05 12:14:45, 0.0
1035, 2017/06/05 12:14:55, 0.0
1036, 2017/06/05 12:15:05, 0.0
1037, 2017/06/05 12:15:15, 0.0
1038, 2017/06/05 12:15:25, 0.0
1039, 2017/06/05 12:15:35, 0.0
1040, 2017/06/05 12:15:45, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

1041, 2017/06/05 12:15:55, 0.0
1042, 2017/06/05 12:16:05, 0.0
1043, 2017/06/05 12:16:15, 0.0
1044, 2017/06/05 12:16:25, 0.0
1045, 2017/06/05 12:16:35, 0.0
1046, 2017/06/05 12:16:45, 0.0
1047, 2017/06/05 12:16:55, 0.0
1048, 2017/06/05 12:17:05, 0.0
1049, 2017/06/05 12:17:15, 0.0
1050, 2017/06/05 12:17:25, 0.0
1051, 2017/06/05 12:17:35, 0.0
1052, 2017/06/05 12:17:45, 0.0
1053, 2017/06/05 12:17:55, 0.0
1054, 2017/06/05 12:18:05, 0.0
1055, 2017/06/05 12:18:15, 0.0
1056, 2017/06/05 12:18:25, 0.0
1057, 2017/06/05 12:18:35, 0.0
1058, 2017/06/05 12:18:45, 0.0
1059, 2017/06/05 12:18:55, 0.0
1060, 2017/06/05 12:19:05, 0.0
1061, 2017/06/05 12:19:15, 0.0
1062, 2017/06/05 12:19:25, 0.0
1063, 2017/06/05 12:19:35, 0.0
1064, 2017/06/05 12:19:45, 0.0
1065, 2017/06/05 12:19:55, 0.0
1066, 2017/06/05 12:20:05, 0.0
1067, 2017/06/05 12:20:15, 0.0
1068, 2017/06/05 12:20:25, 0.0
1069, 2017/06/05 12:20:35, 0.0
1070, 2017/06/05 12:20:45, 0.0
1071, 2017/06/05 12:20:55, 0.0
1072, 2017/06/05 12:21:05, 0.0
1073, 2017/06/05 12:21:15, 0.0
1074, 2017/06/05 12:21:25, 0.0
1075, 2017/06/05 12:21:35, 0.0
1076, 2017/06/05 12:21:45, 0.0
1077, 2017/06/05 12:21:55, 0.0
1078, 2017/06/05 12:22:05, 0.0
1079, 2017/06/05 12:22:15, 0.0
1080, 2017/06/05 12:22:25, 0.0
1081, 2017/06/05 12:22:35, 0.0
1082, 2017/06/05 12:22:45, 0.0
1083, 2017/06/05 12:22:55, 0.0
1084, 2017/06/05 12:23:05, 0.0
1085, 2017/06/05 12:23:15, 0.0
1086, 2017/06/05 12:23:25, 0.0
1087, 2017/06/05 12:23:35, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

1088, 2017/06/05 12:23:45, 0.0
1089, 2017/06/05 12:23:55, 0.0
1090, 2017/06/05 12:24:05, 0.0
1091, 2017/06/05 12:24:15, 0.0
1092, 2017/06/05 12:24:25, 0.0
1093, 2017/06/05 12:24:35, 0.0
1094, 2017/06/05 12:24:45, 0.0
1095, 2017/06/05 12:24:55, 0.0
1096, 2017/06/05 12:25:05, 0.0
1097, 2017/06/05 12:25:15, 0.0
1098, 2017/06/05 12:25:25, 0.0
1099, 2017/06/05 12:25:35, 0.0
1100, 2017/06/05 12:25:45, 0.0
1101, 2017/06/05 12:25:55, 0.0
1102, 2017/06/05 12:26:05, 0.0
1103, 2017/06/05 12:26:15, 0.0
1104, 2017/06/05 12:26:25, 0.0
1105, 2017/06/05 12:26:35, 0.0
1106, 2017/06/05 12:26:45, 0.0
1107, 2017/06/05 12:26:55, 0.0
1108, 2017/06/05 12:27:05, 0.0
1109, 2017/06/05 12:27:15, 0.0
1110, 2017/06/05 12:27:25, 0.0
1111, 2017/06/05 12:27:35, 0.0
1112, 2017/06/05 12:27:45, 0.0
1113, 2017/06/05 12:27:55, 0.0
1114, 2017/06/05 12:28:05, 0.0
1115, 2017/06/05 12:28:15, 0.0
1116, 2017/06/05 12:28:25, 0.0
1117, 2017/06/05 12:28:35, 0.0
1118, 2017/06/05 12:28:45, 0.0
1119, 2017/06/05 12:28:55, 0.0
1120, 2017/06/05 12:29:05, 0.0
1121, 2017/06/05 12:29:15, 0.0
1122, 2017/06/05 12:29:25, 0.0
1123, 2017/06/05 12:29:35, 0.0
1124, 2017/06/05 12:29:45, 0.0
1125, 2017/06/05 12:29:55, 0.0
1126, 2017/06/05 12:30:05, 0.0
1127, 2017/06/05 12:30:15, 0.0
1128, 2017/06/05 12:30:25, 0.0
1129, 2017/06/05 12:30:35, 0.0
1130, 2017/06/05 12:30:45, 0.0
1131, 2017/06/05 12:30:55, 0.0
1132, 2017/06/05 12:31:05, 0.0
1133, 2017/06/05 12:31:15, 0.0
1134, 2017/06/05 12:31:25, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

1135, 2017/06/05 12:31:35, 0.0
1136, 2017/06/05 12:31:45, 0.0
1137, 2017/06/05 12:31:55, 0.0
1138, 2017/06/05 12:32:05, 0.0
1139, 2017/06/05 12:32:15, 0.0
1140, 2017/06/05 12:32:25, 0.0
1141, 2017/06/05 12:32:35, 0.0
1142, 2017/06/05 12:32:45, 0.0
1143, 2017/06/05 12:32:55, 0.0
1144, 2017/06/05 12:33:05, 0.0
1145, 2017/06/05 12:33:15, 0.0
1146, 2017/06/05 12:33:25, 0.0
1147, 2017/06/05 12:33:35, 0.0
1148, 2017/06/05 12:33:45, 0.0
1149, 2017/06/05 12:33:55, 0.0
1150, 2017/06/05 12:34:05, 0.0
1151, 2017/06/05 12:34:15, 0.0
1152, 2017/06/05 12:34:25, 0.0
1153, 2017/06/05 12:34:35, 0.0
1154, 2017/06/05 12:34:45, 0.0
1155, 2017/06/05 12:34:55, 0.0
1156, 2017/06/05 12:35:05, 0.0
1157, 2017/06/05 12:35:15, 0.0
1158, 2017/06/05 12:35:25, 0.0
1159, 2017/06/05 12:35:35, 0.0
1160, 2017/06/05 12:35:45, 0.0
1161, 2017/06/05 12:35:55, 0.0
1162, 2017/06/05 12:36:05, 0.0
1163, 2017/06/05 12:36:15, 0.0
1164, 2017/06/05 12:36:25, 0.0
1165, 2017/06/05 12:36:35, 0.0
1166, 2017/06/05 12:36:45, 0.0
1167, 2017/06/05 12:36:55, 0.0
1168, 2017/06/05 12:37:05, 0.0
1169, 2017/06/05 12:37:15, 0.0
1170, 2017/06/05 12:37:25, 0.0
1171, 2017/06/05 12:37:35, 0.0
1172, 2017/06/05 12:37:45, 0.0
1173, 2017/06/05 12:37:55, 0.0
1174, 2017/06/05 12:38:05, 0.0
1175, 2017/06/05 12:38:15, 0.0
1176, 2017/06/05 12:38:25, 0.0
1177, 2017/06/05 12:38:35, 0.0
1178, 2017/06/05 12:38:45, 0.0
1179, 2017/06/05 12:38:55, 0.0
1180, 2017/06/05 12:39:05, 0.0
1181, 2017/06/05 12:39:15, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

1182, 2017/06/05 12:39:25, 0.0
1183, 2017/06/05 12:39:35, 0.0
1184, 2017/06/05 12:39:45, 0.0
1185, 2017/06/05 12:39:55, 0.0
1186, 2017/06/05 12:40:05, 0.0
1187, 2017/06/05 12:40:15, 0.0
1188, 2017/06/05 12:40:25, 0.0
1189, 2017/06/05 12:40:35, 0.0
1190, 2017/06/05 12:40:45, 0.0
1191, 2017/06/05 12:40:55, 0.0
1192, 2017/06/05 12:41:05, 0.0
1193, 2017/06/05 12:41:15, 0.0
1194, 2017/06/05 12:41:25, 0.0
1195, 2017/06/05 12:41:35, 0.0
1196, 2017/06/05 12:41:45, 0.0
1197, 2017/06/05 12:41:55, 0.0
1198, 2017/06/05 12:42:05, 0.0
1199, 2017/06/05 12:42:15, 0.0
1200, 2017/06/05 12:42:25, 0.0
1201, 2017/06/05 12:42:35, 0.0
1202, 2017/06/05 12:42:45, 0.0
1203, 2017/06/05 12:42:55, 0.0
1204, 2017/06/05 12:43:05, 0.0
1205, 2017/06/05 12:43:15, 0.0
1206, 2017/06/05 12:43:25, 0.0
1207, 2017/06/05 12:43:35, 0.0
1208, 2017/06/05 12:43:45, 0.0
1209, 2017/06/05 12:43:55, 0.0
1210, 2017/06/05 12:44:05, 0.0
1211, 2017/06/05 12:44:15, 0.0
1212, 2017/06/05 12:44:25, 0.0
1213, 2017/06/05 12:44:35, 0.0
1214, 2017/06/05 12:44:45, 0.0
1215, 2017/06/05 12:44:55, 0.0
1216, 2017/06/05 12:45:05, 0.0
1217, 2017/06/05 12:45:15, 0.0
1218, 2017/06/05 12:45:25, 0.0
1219, 2017/06/05 12:45:35, 0.0
1220, 2017/06/05 12:45:45, 0.0
1221, 2017/06/05 12:45:55, 0.0
1222, 2017/06/05 12:46:05, 0.0
1223, 2017/06/05 12:46:15, 0.0
1224, 2017/06/05 12:46:25, 0.0
1225, 2017/06/05 12:46:35, 0.0
1226, 2017/06/05 12:46:45, 0.0
1227, 2017/06/05 12:46:55, 0.0
1228, 2017/06/05 12:47:05, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

1229, 2017/06/05 12:47:15, 0.0
1230, 2017/06/05 12:47:25, 0.0
1231, 2017/06/05 12:47:35, 0.0
1232, 2017/06/05 12:47:45, 0.0
1233, 2017/06/05 12:47:55, 0.0
1234, 2017/06/05 12:48:05, 0.0
1235, 2017/06/05 12:48:15, 0.0
1236, 2017/06/05 12:48:25, 0.0
1237, 2017/06/05 12:48:35, 0.0
1238, 2017/06/05 12:48:45, 0.0
1239, 2017/06/05 12:48:55, 0.0
1240, 2017/06/05 12:49:05, 0.0
1241, 2017/06/05 12:49:15, 0.0
1242, 2017/06/05 12:49:25, 0.0
1243, 2017/06/05 12:49:35, 0.0
1244, 2017/06/05 12:49:45, 0.0
1245, 2017/06/05 12:49:55, 0.0
1246, 2017/06/05 12:50:05, 0.0
1247, 2017/06/05 12:50:15, 0.0
1248, 2017/06/05 12:50:25, 0.0
1249, 2017/06/05 12:50:35, 0.0
1250, 2017/06/05 12:50:45, 0.0
1251, 2017/06/05 12:50:55, 0.0
1252, 2017/06/05 12:51:05, 0.0
1253, 2017/06/05 12:51:15, 0.0
1254, 2017/06/05 12:51:25, 0.0
1255, 2017/06/05 12:51:35, 0.0
1256, 2017/06/05 12:51:45, 0.0
1257, 2017/06/05 12:51:55, 0.0
1258, 2017/06/05 12:52:05, 0.0
1259, 2017/06/05 12:52:15, 0.0
1260, 2017/06/05 12:52:25, 0.0
1261, 2017/06/05 12:52:35, 0.0
1262, 2017/06/05 12:52:45, 0.0
1263, 2017/06/05 12:52:55, 0.0
1264, 2017/06/05 12:53:05, 0.0
1265, 2017/06/05 12:53:15, 0.0
1266, 2017/06/05 12:53:25, 0.0
1267, 2017/06/05 12:53:35, 0.0
1268, 2017/06/05 12:53:45, 0.0
1269, 2017/06/05 12:53:55, 0.0
1270, 2017/06/05 12:54:05, 0.0
1271, 2017/06/05 12:54:15, 0.0
1272, 2017/06/05 12:54:25, 0.0
1273, 2017/06/05 12:54:35, 0.0
1274, 2017/06/05 12:54:45, 0.0
1275, 2017/06/05 12:54:55, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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1276, 2017/06/05 12:55:05, 0.0
1277, 2017/06/05 12:55:15, 0.0
1278, 2017/06/05 12:55:25, 0.0
1279, 2017/06/05 12:55:35, 0.0
1280, 2017/06/05 12:55:45, 0.0
1281, 2017/06/05 12:55:55, 0.0
1282, 2017/06/05 12:56:05, 0.0
1283, 2017/06/05 12:56:15, 0.0
1284, 2017/06/05 12:56:25, 0.0
1285, 2017/06/05 12:56:35, 0.0
1286, 2017/06/05 12:56:45, 0.0
1287, 2017/06/05 12:56:55, 0.0
1288, 2017/06/05 12:57:05, 0.0
1289, 2017/06/05 12:57:15, 0.0
1290, 2017/06/05 12:57:25, 0.0
1291, 2017/06/05 12:57:35, 0.0
1292, 2017/06/05 12:57:45, 0.0
1293, 2017/06/05 12:57:55, 0.0
1294, 2017/06/05 12:58:05, 0.0
1295, 2017/06/05 12:58:15, 0.0
1296, 2017/06/05 12:58:25, 0.0
1297, 2017/06/05 12:58:35, 0.0
1298, 2017/06/05 12:58:45, 0.0
1299, 2017/06/05 12:58:55, 0.0
1300, 2017/06/05 12:59:05, 0.0
1301, 2017/06/05 12:59:15, 0.0
1302, 2017/06/05 12:59:25, 0.0
1303, 2017/06/05 12:59:35, 0.0
1304, 2017/06/05 12:59:45, 0.0
1305, 2017/06/05 12:59:55, 0.0
1306, 2017/06/05 13:00:05, 0.0
1307, 2017/06/05 13:00:15, 0.0
1308, 2017/06/05 13:00:25, 0.0
1309, 2017/06/05 13:00:35, 0.0
1310, 2017/06/05 13:00:45, 0.0
1311, 2017/06/05 13:00:55, 0.0
1312, 2017/06/05 13:01:05, 0.0
1313, 2017/06/05 13:01:15, 0.0
1314, 2017/06/05 13:01:25, 0.0
1315, 2017/06/05 13:01:35, 0.0
1316, 2017/06/05 13:01:45, 0.0
1317, 2017/06/05 13:01:55, 0.0
1318, 2017/06/05 13:02:05, 0.0
1319, 2017/06/05 13:02:15, 0.0
1320, 2017/06/05 13:02:25, 0.0
1321, 2017/06/05 13:02:35, 0.0
1322, 2017/06/05 13:02:45, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

1323, 2017/06/05 13:02:55, 0.0
1324, 2017/06/05 13:03:05, 0.0
1325, 2017/06/05 13:03:15, 0.0
1326, 2017/06/05 13:03:25, 0.0
1327, 2017/06/05 13:03:35, 0.0
1328, 2017/06/05 13:03:45, 0.0
1329, 2017/06/05 13:03:55, 0.0
1330, 2017/06/05 13:04:05, 0.0
1331, 2017/06/05 13:04:15, 0.0
1332, 2017/06/05 13:04:25, 0.0
1333, 2017/06/05 13:04:35, 0.0
1334, 2017/06/05 13:04:45, 0.0
1335, 2017/06/05 13:04:55, 0.0
1336, 2017/06/05 13:05:05, 0.0
1337, 2017/06/05 13:05:15, 0.0
1338, 2017/06/05 13:05:25, 0.0
1339, 2017/06/05 13:05:35, 0.0
1340, 2017/06/05 13:05:45, 0.0
1341, 2017/06/05 13:05:55, 0.0
1342, 2017/06/05 13:06:05, 0.0
1343, 2017/06/05 13:06:15, 0.0
1344, 2017/06/05 13:06:25, 0.0
1345, 2017/06/05 13:06:35, 0.0
1346, 2017/06/05 13:06:45, 0.0
1347, 2017/06/05 13:06:55, 0.0
1348, 2017/06/05 13:07:05, 0.0
1349, 2017/06/05 13:07:15, 0.0
1350, 2017/06/05 13:07:25, 0.0
1351, 2017/06/05 13:07:35, 0.0
1352, 2017/06/05 13:07:45, 0.0
1353, 2017/06/05 13:07:55, 0.0
1354, 2017/06/05 13:08:05, 0.0
1355, 2017/06/05 13:08:15, 0.0
1356, 2017/06/05 13:08:25, 0.0
1357, 2017/06/05 13:08:35, 0.0
1358, 2017/06/05 13:08:45, 0.0
1359, 2017/06/05 13:08:55, 0.0
1360, 2017/06/05 13:09:05, 0.0
1361, 2017/06/05 13:09:15, 0.0
1362, 2017/06/05 13:09:25, 0.0
1363, 2017/06/05 13:09:35, 0.0
1364, 2017/06/05 13:09:45, 0.0
1365, 2017/06/05 13:09:55, 0.0
1366, 2017/06/05 13:10:05, 0.0
1367, 2017/06/05 13:10:15, 0.0
1368, 2017/06/05 13:10:25, 0.0
1369, 2017/06/05 13:10:35, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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1370, 2017/06/05 13:10:45, 0.0
1371, 2017/06/05 13:10:55, 0.0
1372, 2017/06/05 13:11:05, 0.0
1373, 2017/06/05 13:11:15, 0.0
1374, 2017/06/05 13:11:25, 0.0
1375, 2017/06/05 13:11:35, 0.0
1376, 2017/06/05 13:11:45, 0.0
1377, 2017/06/05 13:11:55, 0.0
1378, 2017/06/05 13:12:05, 0.0
1379, 2017/06/05 13:12:15, 0.0
1380, 2017/06/05 13:12:25, 0.0
1381, 2017/06/05 13:12:35, 0.0
1382, 2017/06/05 13:12:45, 0.0
1383, 2017/06/05 13:12:55, 0.0
1384, 2017/06/05 13:13:05, 0.0
1385, 2017/06/05 13:13:15, 0.0
1386, 2017/06/05 13:13:25, 0.0
1387, 2017/06/05 13:13:35, 0.0
1388, 2017/06/05 13:13:45, 0.0
1389, 2017/06/05 13:13:55, 0.0
1390, 2017/06/05 13:14:05, 0.0
1391, 2017/06/05 13:14:15, 0.0
1392, 2017/06/05 13:14:25, 0.0
1393, 2017/06/05 13:14:35, 0.0
1394, 2017/06/05 13:14:45, 0.0
1395, 2017/06/05 13:14:55, 0.0
1396, 2017/06/05 13:15:05, 0.0
1397, 2017/06/05 13:15:15, 0.0
1398, 2017/06/05 13:15:25, 0.0
1399, 2017/06/05 13:15:35, 0.0
1400, 2017/06/05 13:15:45, 0.0
1401, 2017/06/05 13:15:55, 0.0
1402, 2017/06/05 13:16:05, 0.0
1403, 2017/06/05 13:16:15, 0.0
1404, 2017/06/05 13:16:25, 0.0
1405, 2017/06/05 13:16:35, 0.0
1406, 2017/06/05 13:16:45, 0.0
1407, 2017/06/05 13:16:55, 0.0
1408, 2017/06/05 13:17:05, 0.0
1409, 2017/06/05 13:17:15, 0.0
1410, 2017/06/05 13:17:25, 0.0
1411, 2017/06/05 13:17:35, 0.0
1412, 2017/06/05 13:17:45, 0.0
1413, 2017/06/05 13:17:55, 0.0
1414, 2017/06/05 13:18:05, 0.0
1415, 2017/06/05 13:18:15, 0.0
1416, 2017/06/05 13:18:25, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

1417, 2017/06/05 13:18:35, 0.0
1418, 2017/06/05 13:18:45, 0.0
1419, 2017/06/05 13:18:55, 0.0
1420, 2017/06/05 13:19:05, 0.0
1421, 2017/06/05 13:19:15, 0.0
1422, 2017/06/05 13:19:25, 0.0
1423, 2017/06/05 13:19:35, 0.0
1424, 2017/06/05 13:19:45, 0.0
1425, 2017/06/05 13:19:55, 0.0
1426, 2017/06/05 13:20:05, 0.0
1427, 2017/06/05 13:20:15, 0.0
1428, 2017/06/05 13:20:25, 0.0
1429, 2017/06/05 13:20:35, 0.0
1430, 2017/06/05 13:20:45, 0.0
1431, 2017/06/05 13:20:55, 0.0
1432, 2017/06/05 13:21:05, 0.0
1433, 2017/06/05 13:21:15, 0.0
1434, 2017/06/05 13:21:25, 0.0
1435, 2017/06/05 13:21:35, 0.0
1436, 2017/06/05 13:21:45, 0.0
1437, 2017/06/05 13:21:55, 0.0
1438, 2017/06/05 13:22:05, 0.0
1439, 2017/06/05 13:22:15, 0.0
1440, 2017/06/05 13:22:25, 0.0
1441, 2017/06/05 13:22:35, 0.0
1442, 2017/06/05 13:22:45, 0.0
1443, 2017/06/05 13:22:55, 0.0
1444, 2017/06/05 13:23:05, 0.0
1445, 2017/06/05 13:23:15, 0.0
1446, 2017/06/05 13:23:25, 0.0
1447, 2017/06/05 13:23:35, 0.0
1448, 2017/06/05 13:23:45, 0.0
1449, 2017/06/05 13:23:55, 0.0
1450, 2017/06/05 13:24:05, 0.0
1451, 2017/06/05 13:24:15, 0.0
1452, 2017/06/05 13:24:25, 0.0
1453, 2017/06/05 13:24:35, 0.0
1454, 2017/06/05 13:24:45, 0.0
1455, 2017/06/05 13:24:55, 0.0
1456, 2017/06/05 13:25:05, 0.0
1457, 2017/06/05 13:25:15, 0.0
1458, 2017/06/05 13:25:25, 0.0
1459, 2017/06/05 13:25:35, 0.0
1460, 2017/06/05 13:25:45, 0.0
1461, 2017/06/05 13:25:55, 0.0
1462, 2017/06/05 13:26:05, 0.0
1463, 2017/06/05 13:26:15, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

1464, 2017/06/05 13:26:25, 0.0
1465, 2017/06/05 13:26:35, 0.0
1466, 2017/06/05 13:26:45, 0.0
1467, 2017/06/05 13:26:55, 0.0
1468, 2017/06/05 13:27:05, 0.0
1469, 2017/06/05 13:27:15, 0.0
1470, 2017/06/05 13:27:25, 0.0
1471, 2017/06/05 13:27:35, 0.0
1472, 2017/06/05 13:27:45, 0.0
1473, 2017/06/05 13:27:55, 0.0
1474, 2017/06/05 13:28:05, 0.0
1475, 2017/06/05 13:28:15, 0.0
1476, 2017/06/05 13:28:25, 0.0
1477, 2017/06/05 13:28:35, 0.0
1478, 2017/06/05 13:28:45, 0.0
1479, 2017/06/05 13:28:55, 0.0
1480, 2017/06/05 13:29:05, 0.0
1481, 2017/06/05 13:29:15, 0.0
1482, 2017/06/05 13:29:25, 0.0
1483, 2017/06/05 13:29:35, 0.0
1484, 2017/06/05 13:29:45, 0.0
1485, 2017/06/05 13:29:55, 0.0
1486, 2017/06/05 13:30:05, 0.0
1487, 2017/06/05 13:30:15, 0.0
1488, 2017/06/05 13:30:25, 0.0
1489, 2017/06/05 13:30:35, 0.0
1490, 2017/06/05 13:30:45, 0.0
1491, 2017/06/05 13:30:55, 0.0
1492, 2017/06/05 13:31:05, 0.0
1493, 2017/06/05 13:31:15, 0.0
1494, 2017/06/05 13:31:25, 0.0
1495, 2017/06/05 13:31:35, 0.0
1496, 2017/06/05 13:31:45, 0.0
1497, 2017/06/05 13:31:55, 0.0
1498, 2017/06/05 13:32:05, 0.0
1499, 2017/06/05 13:32:15, 0.0
1500, 2017/06/05 13:32:25, 0.0
1501, 2017/06/05 13:32:35, 0.0
1502, 2017/06/05 13:32:45, 0.0
1503, 2017/06/05 13:32:55, 0.0
1504, 2017/06/05 13:33:05, 0.0
1505, 2017/06/05 13:33:15, 0.0
1506, 2017/06/05 13:33:25, 0.0
1507, 2017/06/05 13:33:35, 0.0
1508, 2017/06/05 13:33:45, 0.0
1509, 2017/06/05 13:33:55, 0.0
1510, 2017/06/05 13:34:05, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

1511, 2017/06/05 13:34:15, 0.0
1512, 2017/06/05 13:34:25, 0.0
1513, 2017/06/05 13:34:35, 0.0
1514, 2017/06/05 13:34:45, 0.0
1515, 2017/06/05 13:34:55, 0.0
1516, 2017/06/05 13:35:05, 0.0
1517, 2017/06/05 13:35:15, 0.0
1518, 2017/06/05 13:35:25, 0.0
1519, 2017/06/05 13:35:35, 0.0
1520, 2017/06/05 13:35:45, 0.0
1521, 2017/06/05 13:35:55, 0.0
1522, 2017/06/05 13:36:05, 0.0
1523, 2017/06/05 13:36:15, 0.0
1524, 2017/06/05 13:36:25, 0.0
1525, 2017/06/05 13:36:35, 0.0
1526, 2017/06/05 13:36:45, 0.0
1527, 2017/06/05 13:36:55, 0.0
1528, 2017/06/05 13:37:05, 0.0
1529, 2017/06/05 13:37:15, 0.0
1530, 2017/06/05 13:37:25, 0.0
1531, 2017/06/05 13:37:35, 0.0
1532, 2017/06/05 13:37:45, 0.0
1533, 2017/06/05 13:37:55, 0.0
1534, 2017/06/05 13:38:05, 0.0
1535, 2017/06/05 13:38:15, 0.0
1536, 2017/06/05 13:38:25, 0.0
1537, 2017/06/05 13:38:35, 0.0
1538, 2017/06/05 13:38:45, 0.0
1539, 2017/06/05 13:38:55, 0.0
1540, 2017/06/05 13:39:05, 0.0
1541, 2017/06/05 13:39:15, 0.0
1542, 2017/06/05 13:39:25, 0.0
1543, 2017/06/05 13:39:35, 0.0
1544, 2017/06/05 13:39:45, 0.0
1545, 2017/06/05 13:39:55, 0.0
1546, 2017/06/05 13:40:05, 0.0
1547, 2017/06/05 13:40:15, 0.0
1548, 2017/06/05 13:40:25, 0.0
1549, 2017/06/05 13:40:35, 0.0
1550, 2017/06/05 13:40:45, 0.0
1551, 2017/06/05 13:40:55, 0.0
1552, 2017/06/05 13:41:05, 0.0
1553, 2017/06/05 13:41:15, 0.0
1554, 2017/06/05 13:41:25, 0.0
1555, 2017/06/05 13:41:35, 0.0
1556, 2017/06/05 13:41:45, 0.0
1557, 2017/06/05 13:41:55, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

1558, 2017/06/05 13:42:05, 0.0
1559, 2017/06/05 13:42:15, 0.0
1560, 2017/06/05 13:42:25, 0.0
1561, 2017/06/05 13:42:35, 0.0
1562, 2017/06/05 13:42:45, 0.0
1563, 2017/06/05 13:42:55, 0.0
1564, 2017/06/05 13:43:05, 0.0
1565, 2017/06/05 13:43:15, 0.0
1566, 2017/06/05 13:43:25, 0.0
1567, 2017/06/05 13:43:35, 0.0
1568, 2017/06/05 13:43:45, 0.0
1569, 2017/06/05 13:43:55, 0.0
1570, 2017/06/05 13:44:05, 0.0
1571, 2017/06/05 13:44:15, 0.0
1572, 2017/06/05 13:44:25, 0.0
1573, 2017/06/05 13:44:35, 0.0
1574, 2017/06/05 13:44:45, 0.0
1575, 2017/06/05 13:44:55, 0.0
1576, 2017/06/05 13:45:05, 0.0
1577, 2017/06/05 13:45:15, 0.0
1578, 2017/06/05 13:45:25, 0.0
1579, 2017/06/05 13:45:35, 0.0
1580, 2017/06/05 13:45:45, 0.0
1581, 2017/06/05 13:45:55, 0.0
1582, 2017/06/05 13:46:05, 0.0
1583, 2017/06/05 13:46:15, 0.0
1584, 2017/06/05 13:46:25, 0.0
1585, 2017/06/05 13:46:35, 0.0
1586, 2017/06/05 13:46:45, 0.0
1587, 2017/06/05 13:46:55, 0.0
1588, 2017/06/05 13:47:05, 0.0
1589, 2017/06/05 13:47:15, 0.0
1590, 2017/06/05 13:47:25, 0.0
1591, 2017/06/05 13:47:35, 0.0
1592, 2017/06/05 13:47:45, 0.0
1593, 2017/06/05 13:47:55, 0.0
1594, 2017/06/05 13:48:05, 0.0
1595, 2017/06/05 13:48:15, 0.0
1596, 2017/06/05 13:48:25, 0.0
1597, 2017/06/05 13:48:35, 0.0
1598, 2017/06/05 13:48:45, 0.0
1599, 2017/06/05 13:48:55, 0.0
1600, 2017/06/05 13:49:05, 0.0
1601, 2017/06/05 13:49:15, 0.0
1602, 2017/06/05 13:49:25, 0.0
1603, 2017/06/05 13:49:35, 0.0
1604, 2017/06/05 13:49:45, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

1605, 2017/06/05 13:49:55, 0.0
1606, 2017/06/05 13:50:05, 0.0
1607, 2017/06/05 13:50:15, 0.0
1608, 2017/06/05 13:50:25, 0.0
1609, 2017/06/05 13:50:35, 0.0
1610, 2017/06/05 13:50:45, 0.0
1611, 2017/06/05 13:50:55, 0.0
1612, 2017/06/05 13:51:05, 0.0
1613, 2017/06/05 13:51:15, 0.0
1614, 2017/06/05 13:51:25, 0.0
1615, 2017/06/05 13:51:35, 0.0
1616, 2017/06/05 13:51:45, 0.0
1617, 2017/06/05 13:51:55, 0.0
1618, 2017/06/05 13:52:05, 0.0
1619, 2017/06/05 13:52:15, 0.0
1620, 2017/06/05 13:52:25, 0.0
1621, 2017/06/05 13:52:35, 0.0
1622, 2017/06/05 13:52:45, 0.0
1623, 2017/06/05 13:52:55, 0.0
1624, 2017/06/05 13:53:05, 0.0
1625, 2017/06/05 13:53:15, 0.0
1626, 2017/06/05 13:53:25, 0.0
1627, 2017/06/05 13:53:35, 0.0
1628, 2017/06/05 13:53:45, 0.0
1629, 2017/06/05 13:53:55, 0.0
1630, 2017/06/05 13:54:05, 0.0
1631, 2017/06/05 13:54:15, 0.0
1632, 2017/06/05 13:54:25, 0.0
1633, 2017/06/05 13:54:35, 0.0
1634, 2017/06/05 13:54:45, 0.0
1635, 2017/06/05 13:54:55, 0.0
1636, 2017/06/05 13:55:05, 0.0
1637, 2017/06/05 13:55:15, 0.0
1638, 2017/06/05 13:55:25, 0.0
1639, 2017/06/05 13:55:35, 0.0
1640, 2017/06/05 13:55:45, 0.0
1641, 2017/06/05 13:55:55, 0.0
1642, 2017/06/05 13:56:05, 0.0
1643, 2017/06/05 13:56:15, 0.0
1644, 2017/06/05 13:56:25, 0.0
1645, 2017/06/05 13:56:35, 0.0
1646, 2017/06/05 13:56:45, 0.0
1647, 2017/06/05 13:56:55, 0.0
1648, 2017/06/05 13:57:05, 0.0
1649, 2017/06/05 13:57:15, 0.0
1650, 2017/06/05 13:57:25, 0.0
1651, 2017/06/05 13:57:35, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

1652, 2017/06/05 13:57:45, 0.0
1653, 2017/06/05 13:57:55, 0.0
1654, 2017/06/05 13:58:05, 0.0
1655, 2017/06/05 13:58:15, 0.0
1656, 2017/06/05 13:58:25, 0.0
1657, 2017/06/05 13:58:35, 0.0
1658, 2017/06/05 13:58:45, 0.0
1659, 2017/06/05 13:58:55, 0.0
1660, 2017/06/05 13:59:05, 0.0
1661, 2017/06/05 13:59:15, 0.0
1662, 2017/06/05 13:59:25, 0.0
1663, 2017/06/05 13:59:35, 0.0
1664, 2017/06/05 13:59:45, 0.0
1665, 2017/06/05 13:59:55, 0.0
1666, 2017/06/05 14:00:05, 0.0
1667, 2017/06/05 14:00:15, 0.0
1668, 2017/06/05 14:00:25, 0.0
1669, 2017/06/05 14:00:35, 0.0
1670, 2017/06/05 14:00:45, 0.0
1671, 2017/06/05 14:00:55, 0.0
1672, 2017/06/05 14:01:05, 0.0
1673, 2017/06/05 14:01:15, 0.0
1674, 2017/06/05 14:01:25, 0.0
1675, 2017/06/05 14:01:35, 0.0
1676, 2017/06/05 14:01:45, 0.0
1677, 2017/06/05 14:01:55, 0.0
1678, 2017/06/05 14:02:05, 0.0
1679, 2017/06/05 14:02:15, 0.0
1680, 2017/06/05 14:02:25, 0.0
1681, 2017/06/05 14:02:35, 0.0
1682, 2017/06/05 14:02:45, 0.0
1683, 2017/06/05 14:02:55, 0.0
1684, 2017/06/05 14:03:05, 0.0
1685, 2017/06/05 14:03:15, 0.0
1686, 2017/06/05 14:03:25, 0.0
1687, 2017/06/05 14:03:35, 0.0
1688, 2017/06/05 14:03:45, 0.0
1689, 2017/06/05 14:03:55, 0.0
1690, 2017/06/05 14:04:05, 0.0
1691, 2017/06/05 14:04:15, 0.0
1692, 2017/06/05 14:04:25, 0.0
1693, 2017/06/05 14:04:35, 0.0
1694, 2017/06/05 14:04:45, 0.0
1695, 2017/06/05 14:04:55, 0.0
1696, 2017/06/05 14:05:05, 0.0
1697, 2017/06/05 14:05:15, 0.0
1698, 2017/06/05 14:05:25, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

1699, 2017/06/05 14:05:35, 0.0
1700, 2017/06/05 14:05:45, 0.0
1701, 2017/06/05 14:05:55, 0.0
1702, 2017/06/05 14:06:05, 0.0
1703, 2017/06/05 14:06:15, 0.0
1704, 2017/06/05 14:06:25, 0.0
1705, 2017/06/05 14:06:35, 0.0
1706, 2017/06/05 14:06:45, 0.0
1707, 2017/06/05 14:06:55, 0.0
1708, 2017/06/05 14:07:05, 0.0
1709, 2017/06/05 14:07:15, 0.0
1710, 2017/06/05 14:07:25, 0.0
1711, 2017/06/05 14:07:35, 0.0
1712, 2017/06/05 14:07:45, 0.0
1713, 2017/06/05 14:07:55, 0.0
1714, 2017/06/05 14:08:05, 0.0
1715, 2017/06/05 14:08:15, 0.0
1716, 2017/06/05 14:08:25, 0.0
1717, 2017/06/05 14:08:35, 0.0
1718, 2017/06/05 14:08:45, 0.0
1719, 2017/06/05 14:08:55, 0.0
1720, 2017/06/05 14:09:05, 0.0
1721, 2017/06/05 14:09:15, 0.0
1722, 2017/06/05 14:09:25, 0.0
1723, 2017/06/05 14:09:35, 0.0
1724, 2017/06/05 14:09:45, 0.0
1725, 2017/06/05 14:09:55, 0.0
1726, 2017/06/05 14:10:05, 0.0
1727, 2017/06/05 14:10:15, 0.0
1728, 2017/06/05 14:10:25, 0.0
1729, 2017/06/05 14:10:35, 0.0
1730, 2017/06/05 14:10:45, 0.0
1731, 2017/06/05 14:10:55, 0.0
1732, 2017/06/05 14:11:05, 0.0
1733, 2017/06/05 14:11:15, 0.0
1734, 2017/06/05 14:11:25, 0.0
1735, 2017/06/05 14:11:35, 0.0
1736, 2017/06/05 14:11:45, 0.0
1737, 2017/06/05 14:11:55, 0.0
1738, 2017/06/05 14:12:05, 0.0
1739, 2017/06/05 14:12:15, 0.0
1740, 2017/06/05 14:12:25, 0.0
1741, 2017/06/05 14:12:35, 0.0
1742, 2017/06/05 14:12:45, 0.0
1743, 2017/06/05 14:12:55, 0.0
1744, 2017/06/05 14:13:05, 0.0
1745, 2017/06/05 14:13:15, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

1746, 2017/06/05 14:13:25, 0.0
1747, 2017/06/05 14:13:35, 0.0
1748, 2017/06/05 14:13:45, 0.0
1749, 2017/06/05 14:13:55, 0.0
1750, 2017/06/05 14:14:05, 0.0
1751, 2017/06/05 14:14:15, 0.0
1752, 2017/06/05 14:14:25, 0.0
1753, 2017/06/05 14:14:35, 0.0
1754, 2017/06/05 14:14:45, 0.0
1755, 2017/06/05 14:14:55, 0.0
1756, 2017/06/05 14:15:05, 0.0
1757, 2017/06/05 14:15:15, 0.0
1758, 2017/06/05 14:15:25, 0.0
1759, 2017/06/05 14:15:35, 0.0
1760, 2017/06/05 14:15:45, 0.0
1761, 2017/06/05 14:15:55, 0.0
1762, 2017/06/05 14:16:05, 0.0
1763, 2017/06/05 14:16:15, 0.0
1764, 2017/06/05 14:16:25, 0.0
1765, 2017/06/05 14:16:35, 0.0
1766, 2017/06/05 14:16:45, 0.0
1767, 2017/06/05 14:16:55, 0.0
1768, 2017/06/05 14:17:05, 0.0
1769, 2017/06/05 14:17:15, 0.0
1770, 2017/06/05 14:17:25, 0.0
1771, 2017/06/05 14:17:35, 0.0
1772, 2017/06/05 14:17:45, 0.0
1773, 2017/06/05 14:17:55, 0.0
1774, 2017/06/05 14:18:05, 0.0
1775, 2017/06/05 14:18:15, 0.0
1776, 2017/06/05 14:18:25, 0.0
1777, 2017/06/05 14:18:35, 0.0
1778, 2017/06/05 14:18:45, 0.0
1779, 2017/06/05 14:18:55, 0.0
1780, 2017/06/05 14:19:05, 0.0
1781, 2017/06/05 14:19:15, 0.0
1782, 2017/06/05 14:19:25, 0.0
1783, 2017/06/05 14:19:35, 0.0
1784, 2017/06/05 14:19:45, 0.0
1785, 2017/06/05 14:19:55, 0.0
1786, 2017/06/05 14:20:05, 0.0
1787, 2017/06/05 14:20:15, 0.0
1788, 2017/06/05 14:20:25, 0.0
1789, 2017/06/05 14:20:35, 0.0
1790, 2017/06/05 14:20:45, 0.0
1791, 2017/06/05 14:20:55, 0.0
1792, 2017/06/05 14:21:05, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

1793, 2017/06/05 14:21:15, 0.0
1794, 2017/06/05 14:21:25, 0.0
1795, 2017/06/05 14:21:35, 0.0
1796, 2017/06/05 14:21:45, 0.0
1797, 2017/06/05 14:21:55, 0.0
1798, 2017/06/05 14:22:05, 0.0
1799, 2017/06/05 14:22:15, 0.0
1800, 2017/06/05 14:22:25, 0.0
1801, 2017/06/05 14:22:35, 0.0
1802, 2017/06/05 14:22:45, 0.0
1803, 2017/06/05 14:22:55, 0.0
1804, 2017/06/05 14:23:05, 0.0
1805, 2017/06/05 14:23:15, 0.0
1806, 2017/06/05 14:23:25, 0.0
1807, 2017/06/05 14:23:35, 0.0
1808, 2017/06/05 14:23:45, 0.0
1809, 2017/06/05 14:23:55, 0.0
1810, 2017/06/05 14:24:05, 0.0
1811, 2017/06/05 14:24:15, 0.0
1812, 2017/06/05 14:24:25, 0.0
1813, 2017/06/05 14:24:35, 0.0
1814, 2017/06/05 14:24:45, 0.0
1815, 2017/06/05 14:24:55, 0.0
1816, 2017/06/05 14:25:05, 0.0
1817, 2017/06/05 14:25:15, 0.0
1818, 2017/06/05 14:25:25, 0.0
1819, 2017/06/05 14:25:35, 0.0
1820, 2017/06/05 14:25:45, 0.0
1821, 2017/06/05 14:25:55, 0.0
1822, 2017/06/05 14:26:05, 0.0
1823, 2017/06/05 14:26:15, 0.0
1824, 2017/06/05 14:26:25, 0.0
1825, 2017/06/05 14:26:35, 0.0
1826, 2017/06/05 14:26:45, 0.0
1827, 2017/06/05 14:26:55, 0.0
1828, 2017/06/05 14:27:05, 0.0
1829, 2017/06/05 14:27:15, 0.0
1830, 2017/06/05 14:27:25, 0.0
1831, 2017/06/05 14:27:35, 0.0
1832, 2017/06/05 14:27:45, 0.0
1833, 2017/06/05 14:27:55, 0.0
1834, 2017/06/05 14:28:05, 0.0
1835, 2017/06/05 14:28:15, 0.0
1836, 2017/06/05 14:28:25, 0.0
1837, 2017/06/05 14:28:35, 0.0
1838, 2017/06/05 14:28:45, 0.0
1839, 2017/06/05 14:28:55, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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1840, 2017/06/05 14:29:05, 0.0
1841, 2017/06/05 14:29:15, 0.0
1842, 2017/06/05 14:29:25, 0.0
1843, 2017/06/05 14:29:35, 0.0
1844, 2017/06/05 14:29:45, 0.0
1845, 2017/06/05 14:29:55, 0.0
1846, 2017/06/05 14:30:05, 0.0
1847, 2017/06/05 14:30:15, 0.0
1848, 2017/06/05 14:30:25, 0.0
1849, 2017/06/05 14:30:35, 0.0
1850, 2017/06/05 14:30:45, 0.0
1851, 2017/06/05 14:30:55, 0.0
1852, 2017/06/05 14:31:05, 0.0
1853, 2017/06/05 14:31:15, 0.0
1854, 2017/06/05 14:31:25, 0.0
1855, 2017/06/05 14:31:35, 0.0
1856, 2017/06/05 14:31:45, 0.0
1857, 2017/06/05 14:31:55, 0.0
1858, 2017/06/05 14:32:05, 0.0
1859, 2017/06/05 14:32:15, 0.0
1860, 2017/06/05 14:32:25, 0.0
1861, 2017/06/05 14:32:35, 0.0
1862, 2017/06/05 14:32:45, 0.0
1863, 2017/06/05 14:32:55, 0.0
1864, 2017/06/05 14:33:05, 0.0
1865, 2017/06/05 14:33:15, 0.0
1866, 2017/06/05 14:33:25, 0.0
1867, 2017/06/05 14:33:35, 0.0
1868, 2017/06/05 14:33:45, 0.0
1869, 2017/06/05 14:33:55, 0.0
1870, 2017/06/05 14:34:05, 0.0
1871, 2017/06/05 14:34:15, 0.0
1872, 2017/06/05 14:34:25, 0.0
1873, 2017/06/05 14:34:35, 0.0
1874, 2017/06/05 14:34:45, 0.0
1875, 2017/06/05 14:34:55, 0.0
1876, 2017/06/05 14:35:05, 0.0
1877, 2017/06/05 14:35:15, 0.0
1878, 2017/06/05 14:35:25, 0.0
1879, 2017/06/05 14:35:35, 0.0
1880, 2017/06/05 14:35:45, 0.0
1881, 2017/06/05 14:35:55, 0.0
1882, 2017/06/05 14:36:05, 0.0
1883, 2017/06/05 14:36:15, 0.0
1884, 2017/06/05 14:36:25, 0.0
1885, 2017/06/05 14:36:35, 0.0
1886, 2017/06/05 14:36:45, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

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1887, 2017/06/05 14:36:55, 0.0
Peak, , 0.1
Min, , 0.0
Average, , 0.0

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17/06/06 09:21

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-919025
Unit Firmware Ver	V2.14
Running Mode	Hygiene Mode
Datalog Mode	Manual
Diagnostic Mode	No
Stop Reason	Stop by User
Site ID	RAE00000
User ID	USER0000
Begin	6/6/2017 9:21
End	6/6/2017 11:11
Sample Period(s)	10
Number of Records	662
Sensor	PID(ppm)
Sensor SN	S023030183U3
Measure Type	Avg
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	6/6/2017 7:16
Peak	N/A
Min	N/A
Average	N/A

****

Datalog
, , PID(ppm)
Index, Date/Time, (Avg)

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

001, 2017/06/06 09:21:33, 0.1
002, 2017/06/06 09:21:43, 0.1
003, 2017/06/06 09:21:53, 0.1
004, 2017/06/06 09:22:03, 0.1
005, 2017/06/06 09:22:13, 0.1
006, 2017/06/06 09:22:23, 0.1
007, 2017/06/06 09:22:33, 0.1
008, 2017/06/06 09:22:43, 0.1
009, 2017/06/06 09:22:53, 0.1
010, 2017/06/06 09:23:03, 0.1
011, 2017/06/06 09:23:13, 0.1
012, 2017/06/06 09:23:23, 0.1
013, 2017/06/06 09:23:33, 0.1
014, 2017/06/06 09:23:43, 0.1
015, 2017/06/06 09:23:53, 0.1
016, 2017/06/06 09:24:03, 0.1
017, 2017/06/06 09:24:13, 0.1
018, 2017/06/06 09:24:23, 0.1
019, 2017/06/06 09:24:33, 0.1
020, 2017/06/06 09:24:43, 0.1
021, 2017/06/06 09:24:53, 0.1
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023, 2017/06/06 09:25:13, 0.1
024, 2017/06/06 09:25:23, 0.1
025, 2017/06/06 09:25:33, 0.1
026, 2017/06/06 09:25:43, 0.1
027, 2017/06/06 09:25:53, 0.1
028, 2017/06/06 09:26:03, 0.1
029, 2017/06/06 09:26:13, 0.1
030, 2017/06/06 09:26:23, 0.1
031, 2017/06/06 09:26:33, 0.1
032, 2017/06/06 09:26:43, 0.1
033, 2017/06/06 09:26:53, 0.1
034, 2017/06/06 09:27:03, 0.1
035, 2017/06/06 09:27:13, 0.1
036, 2017/06/06 09:27:23, 0.1
037, 2017/06/06 09:27:33, 0.1
038, 2017/06/06 09:27:43, 0.1
039, 2017/06/06 09:27:53, 0.1
040, 2017/06/06 09:28:03, 0.1
041, 2017/06/06 09:28:13, 0.1
042, 2017/06/06 09:28:23, 0.1
043, 2017/06/06 09:28:33, 0.1
044, 2017/06/06 09:28:43, 0.1
045, 2017/06/06 09:28:53, 0.1
046, 2017/06/06 09:29:03, 0.1
047, 2017/06/06 09:29:13, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

048, 2017/06/06 09:29:23, 0.1
049, 2017/06/06 09:29:33, 0.1
050, 2017/06/06 09:29:43, 0.1
051, 2017/06/06 09:29:53, 0.1
052, 2017/06/06 09:30:03, 0.1
053, 2017/06/06 09:30:13, 0.1
054, 2017/06/06 09:30:23, 0.1
055, 2017/06/06 09:30:33, 0.1
056, 2017/06/06 09:30:43, 0.1
057, 2017/06/06 09:30:53, 0.1
058, 2017/06/06 09:31:03, 0.1
059, 2017/06/06 09:31:13, 0.1
060, 2017/06/06 09:31:23, 0.1
061, 2017/06/06 09:31:33, 0.1
062, 2017/06/06 09:31:43, 0.1
063, 2017/06/06 09:31:53, 0.1
064, 2017/06/06 09:32:03, 0.1
065, 2017/06/06 09:32:13, 0.1
066, 2017/06/06 09:32:23, 0.1
067, 2017/06/06 09:32:33, 0.1
068, 2017/06/06 09:32:43, 0.1
069, 2017/06/06 09:32:53, 0.1
070, 2017/06/06 09:33:03, 0.1
071, 2017/06/06 09:33:13, 0.1
072, 2017/06/06 09:33:23, 0.1
073, 2017/06/06 09:33:33, 0.1
074, 2017/06/06 09:33:43, 0.1
075, 2017/06/06 09:33:53, 0.1
076, 2017/06/06 09:34:03, 0.1
077, 2017/06/06 09:34:13, 0.1
078, 2017/06/06 09:34:23, 0.1
079, 2017/06/06 09:34:33, 0.1
080, 2017/06/06 09:34:43, 0.1
081, 2017/06/06 09:34:53, 0.1
082, 2017/06/06 09:35:03, 0.1
083, 2017/06/06 09:35:13, 0.1
084, 2017/06/06 09:35:23, 0.1
085, 2017/06/06 09:35:33, 0.1
086, 2017/06/06 09:35:43, 0.1
087, 2017/06/06 09:35:53, 0.1
088, 2017/06/06 09:36:03, 0.1
089, 2017/06/06 09:36:13, 0.1
090, 2017/06/06 09:36:23, 0.1
091, 2017/06/06 09:36:33, 0.1
092, 2017/06/06 09:36:43, 0.1
093, 2017/06/06 09:36:53, 0.1
094, 2017/06/06 09:37:03, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

095, 2017/06/06 09:37:13, 0.1
096, 2017/06/06 09:37:23, 0.1
097, 2017/06/06 09:37:33, 0.1
098, 2017/06/06 09:37:43, 0.1
099, 2017/06/06 09:37:53, 0.1
100, 2017/06/06 09:38:03, 0.1
101, 2017/06/06 09:38:13, 0.1
102, 2017/06/06 09:38:23, 0.1
103, 2017/06/06 09:38:33, 0.1
104, 2017/06/06 09:38:43, 0.1
105, 2017/06/06 09:38:53, 0.1
106, 2017/06/06 09:39:03, 0.1
107, 2017/06/06 09:39:13, 0.1
108, 2017/06/06 09:39:23, 0.1
109, 2017/06/06 09:39:33, 0.1
110, 2017/06/06 09:39:43, 0.1
111, 2017/06/06 09:39:53, 0.1
112, 2017/06/06 09:40:03, 0.1
113, 2017/06/06 09:40:13, 0.1
114, 2017/06/06 09:40:23, 0.1
115, 2017/06/06 09:40:33, 0.1
116, 2017/06/06 09:40:43, 0.1
117, 2017/06/06 09:40:53, 0.1
118, 2017/06/06 09:41:03, 0.1
119, 2017/06/06 09:41:13, 0.1
120, 2017/06/06 09:41:23, 0.1
121, 2017/06/06 09:41:33, 0.1
122, 2017/06/06 09:41:43, 0.1
123, 2017/06/06 09:41:53, 0.1
124, 2017/06/06 09:42:03, 0.1
125, 2017/06/06 09:42:13, 0.1
126, 2017/06/06 09:42:23, 0.1
127, 2017/06/06 09:42:33, 0.1
128, 2017/06/06 09:42:43, 0.1
129, 2017/06/06 09:42:53, 0.1
130, 2017/06/06 09:43:03, 0.1
131, 2017/06/06 09:43:13, 0.1
132, 2017/06/06 09:43:23, 0.1
133, 2017/06/06 09:43:33, 0.1
134, 2017/06/06 09:43:43, 0.1
135, 2017/06/06 09:43:53, 0.1
136, 2017/06/06 09:44:03, 0.1
137, 2017/06/06 09:44:13, 0.1
138, 2017/06/06 09:44:23, 0.1
139, 2017/06/06 09:44:33, 0.1
140, 2017/06/06 09:44:43, 0.1
141, 2017/06/06 09:44:53, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

142, 2017/06/06 09:45:03, 0.1
143, 2017/06/06 09:45:13, 0.1
144, 2017/06/06 09:45:23, 0.1
145, 2017/06/06 09:45:33, 0.1
146, 2017/06/06 09:45:43, 0.1
147, 2017/06/06 09:45:53, 0.1
148, 2017/06/06 09:46:03, 0.1
149, 2017/06/06 09:46:13, 0.1
150, 2017/06/06 09:46:23, 0.1
151, 2017/06/06 09:46:33, 0.1
152, 2017/06/06 09:46:43, 0.1
153, 2017/06/06 09:46:53, 0.1
154, 2017/06/06 09:47:03, 0.1
155, 2017/06/06 09:47:13, 0.1
156, 2017/06/06 09:47:23, 0.1
157, 2017/06/06 09:47:33, 0.1
158, 2017/06/06 09:47:43, 0.1
159, 2017/06/06 09:47:53, 0.1
160, 2017/06/06 09:48:03, 0.1
161, 2017/06/06 09:48:13, 0.1
162, 2017/06/06 09:48:23, 0.1
163, 2017/06/06 09:48:33, 0.1
164, 2017/06/06 09:48:43, 0.1
165, 2017/06/06 09:48:53, 0.1
166, 2017/06/06 09:49:03, 0.1
167, 2017/06/06 09:49:13, 0.1
168, 2017/06/06 09:49:23, 0.1
169, 2017/06/06 09:49:33, 0.1
170, 2017/06/06 09:49:43, 0.1
171, 2017/06/06 09:49:53, 0.1
172, 2017/06/06 09:50:03, 0.1
173, 2017/06/06 09:50:13, 0.1
174, 2017/06/06 09:50:23, 0.1
175, 2017/06/06 09:50:33, 0.1
176, 2017/06/06 09:50:43, 0.1
177, 2017/06/06 09:50:53, 0.1
178, 2017/06/06 09:51:03, 0.1
179, 2017/06/06 09:51:13, 0.1
180, 2017/06/06 09:51:23, 0.1
181, 2017/06/06 09:51:33, 0.1
182, 2017/06/06 09:51:43, 0.1
183, 2017/06/06 09:51:53, 0.1
184, 2017/06/06 09:52:03, 0.1
185, 2017/06/06 09:52:13, 0.1
186, 2017/06/06 09:52:23, 0.1
187, 2017/06/06 09:52:33, 0.1
188, 2017/06/06 09:52:43, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

189, 2017/06/06 09:52:53, 0.1
190, 2017/06/06 09:53:03, 0.1
191, 2017/06/06 09:53:13, 0.1
192, 2017/06/06 09:53:23, 0.1
193, 2017/06/06 09:53:33, 0.1
194, 2017/06/06 09:53:43, 0.1
195, 2017/06/06 09:53:53, 0.1
196, 2017/06/06 09:54:03, 0.1
197, 2017/06/06 09:54:13, 0.1
198, 2017/06/06 09:54:23, 0.1
199, 2017/06/06 09:54:33, 0.1
200, 2017/06/06 09:54:43, 0.1
201, 2017/06/06 09:54:53, 0.1
202, 2017/06/06 09:55:03, 0.1
203, 2017/06/06 09:55:13, 0.1
204, 2017/06/06 09:55:23, 0.1
205, 2017/06/06 09:55:33, 0.1
206, 2017/06/06 09:55:43, 0.1
207, 2017/06/06 09:55:53, 0.1
208, 2017/06/06 09:56:03, 0.1
209, 2017/06/06 09:56:13, 0.1
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211, 2017/06/06 09:56:33, 0.1
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214, 2017/06/06 09:57:03, 0.1
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222, 2017/06/06 09:58:23, 0.1
223, 2017/06/06 09:58:33, 0.1
224, 2017/06/06 09:58:43, 0.1
225, 2017/06/06 09:58:53, 0.1
226, 2017/06/06 09:59:03, 0.1
227, 2017/06/06 09:59:13, 0.1
228, 2017/06/06 09:59:23, 0.1
229, 2017/06/06 09:59:33, 0.1
230, 2017/06/06 09:59:43, 0.1
231, 2017/06/06 09:59:53, 0.1
232, 2017/06/06 10:00:03, 0.1
233, 2017/06/06 10:00:13, 0.1
234, 2017/06/06 10:00:23, 0.1
235, 2017/06/06 10:00:33, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

236, 2017/06/06 10:00:43, 0.1
237, 2017/06/06 10:00:53, 0.1
238, 2017/06/06 10:01:03, 0.1
239, 2017/06/06 10:01:13, 0.1
240, 2017/06/06 10:01:23, 0.1
241, 2017/06/06 10:01:33, 0.1
242, 2017/06/06 10:01:43, 0.1
243, 2017/06/06 10:01:53, 0.1
244, 2017/06/06 10:02:03, 0.1
245, 2017/06/06 10:02:13, 0.1
246, 2017/06/06 10:02:23, 0.1
247, 2017/06/06 10:02:33, 0.1
248, 2017/06/06 10:02:43, 0.1
249, 2017/06/06 10:02:53, 0.1
250, 2017/06/06 10:03:03, 0.1
251, 2017/06/06 10:03:13, 0.1
252, 2017/06/06 10:03:23, 0.1
253, 2017/06/06 10:03:33, 0.1
254, 2017/06/06 10:03:43, 0.1
255, 2017/06/06 10:03:53, 0.1
256, 2017/06/06 10:04:03, 0.1
257, 2017/06/06 10:04:13, 0.1
258, 2017/06/06 10:04:23, 0.1
259, 2017/06/06 10:04:33, 0.1
260, 2017/06/06 10:04:43, 0.1
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262, 2017/06/06 10:05:03, 0.1
263, 2017/06/06 10:05:13, 0.1
264, 2017/06/06 10:05:23, 0.1
265, 2017/06/06 10:05:33, 0.1
266, 2017/06/06 10:05:43, 0.1
267, 2017/06/06 10:05:53, 0.1
268, 2017/06/06 10:06:03, 0.1
269, 2017/06/06 10:06:13, 0.1
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271, 2017/06/06 10:06:33, 0.1
272, 2017/06/06 10:06:43, 0.1
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277, 2017/06/06 10:07:33, 0.1
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280, 2017/06/06 10:08:03, 0.1
281, 2017/06/06 10:08:13, 0.1
282, 2017/06/06 10:08:23, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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283, 2017/06/06 10:08:33, 0.1
284, 2017/06/06 10:08:43, 0.1
285, 2017/06/06 10:08:53, 0.1
286, 2017/06/06 10:09:03, 0.1
287, 2017/06/06 10:09:13, 0.1
288, 2017/06/06 10:09:23, 0.1
289, 2017/06/06 10:09:33, 0.1
290, 2017/06/06 10:09:43, 0.1
291, 2017/06/06 10:09:53, 0.1
292, 2017/06/06 10:10:03, 0.1
293, 2017/06/06 10:10:13, 0.1
294, 2017/06/06 10:10:23, 0.1
295, 2017/06/06 10:10:33, 0.1
296, 2017/06/06 10:10:43, 0.1
297, 2017/06/06 10:10:53, 0.1
298, 2017/06/06 10:11:03, 0.1
299, 2017/06/06 10:11:13, 0.1
300, 2017/06/06 10:11:23, 0.1
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307, 2017/06/06 10:12:33, 0.1
308, 2017/06/06 10:12:43, 0.1
309, 2017/06/06 10:12:53, 0.1
310, 2017/06/06 10:13:03, 0.1
311, 2017/06/06 10:13:13, 0.1
312, 2017/06/06 10:13:23, 0.1
313, 2017/06/06 10:13:33, 0.1
314, 2017/06/06 10:13:43, 0.1
315, 2017/06/06 10:13:53, 0.1
316, 2017/06/06 10:14:03, 0.1
317, 2017/06/06 10:14:13, 0.1
318, 2017/06/06 10:14:23, 0.1
319, 2017/06/06 10:14:33, 0.1
320, 2017/06/06 10:14:43, 0.1
321, 2017/06/06 10:14:53, 0.1
322, 2017/06/06 10:15:03, 0.1
323, 2017/06/06 10:15:13, 0.1
324, 2017/06/06 10:15:23, 0.1
325, 2017/06/06 10:15:33, 0.1
326, 2017/06/06 10:15:43, 0.1
327, 2017/06/06 10:15:53, 0.1
328, 2017/06/06 10:16:03, 0.1
329, 2017/06/06 10:16:13, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

330, 2017/06/06 10:16:23, 0.1
331, 2017/06/06 10:16:33, 0.1
332, 2017/06/06 10:16:43, 0.1
333, 2017/06/06 10:16:53, 0.1
334, 2017/06/06 10:17:03, 0.1
335, 2017/06/06 10:17:13, 0.1
336, 2017/06/06 10:17:23, 0.1
337, 2017/06/06 10:17:33, 0.1
338, 2017/06/06 10:17:43, 0.1
339, 2017/06/06 10:17:53, 0.1
340, 2017/06/06 10:18:03, 0.1
341, 2017/06/06 10:18:13, 0.1
342, 2017/06/06 10:18:23, 0.1
343, 2017/06/06 10:18:33, 0.1
344, 2017/06/06 10:18:43, 0.1
345, 2017/06/06 10:18:53, 0.1
346, 2017/06/06 10:19:03, 0.1
347, 2017/06/06 10:19:13, 0.1
348, 2017/06/06 10:19:23, 0.1
349, 2017/06/06 10:19:33, 0.1
350, 2017/06/06 10:19:43, 0.1
351, 2017/06/06 10:19:53, 0.1
352, 2017/06/06 10:20:03, 0.1
353, 2017/06/06 10:20:13, 0.1
354, 2017/06/06 10:20:23, 0.1
355, 2017/06/06 10:20:33, 0.1
356, 2017/06/06 10:20:43, 0.1
357, 2017/06/06 10:20:53, 0.1
358, 2017/06/06 10:21:03, 0.1
359, 2017/06/06 10:21:13, 0.1
360, 2017/06/06 10:21:23, 0.1
361, 2017/06/06 10:21:33, 0.1
362, 2017/06/06 10:21:43, 0.1
363, 2017/06/06 10:21:53, 0.1
364, 2017/06/06 10:22:03, 0.1
365, 2017/06/06 10:22:13, 0.1
366, 2017/06/06 10:22:23, 0.1
367, 2017/06/06 10:22:33, 0.1
368, 2017/06/06 10:22:43, 0.1
369, 2017/06/06 10:22:53, 0.1
370, 2017/06/06 10:23:03, 0.1
371, 2017/06/06 10:23:13, 0.1
372, 2017/06/06 10:23:23, 0.1
373, 2017/06/06 10:23:33, 0.1
374, 2017/06/06 10:23:43, 0.1
375, 2017/06/06 10:23:53, 0.1
376, 2017/06/06 10:24:03, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

377, 2017/06/06 10:24:13, 0.1
378, 2017/06/06 10:24:23, 0.1
379, 2017/06/06 10:24:33, 0.1
380, 2017/06/06 10:24:43, 0.1
381, 2017/06/06 10:24:53, 0.1
382, 2017/06/06 10:25:03, 0.1
383, 2017/06/06 10:25:13, 0.1
384, 2017/06/06 10:25:23, 0.1
385, 2017/06/06 10:25:33, 0.1
386, 2017/06/06 10:25:43, 0.1
387, 2017/06/06 10:25:53, 0.1
388, 2017/06/06 10:26:03, 0.1
389, 2017/06/06 10:26:13, 0.1
390, 2017/06/06 10:26:23, 0.1
391, 2017/06/06 10:26:33, 0.1
392, 2017/06/06 10:26:43, 0.1
393, 2017/06/06 10:26:53, 0.1
394, 2017/06/06 10:27:03, 0.1
395, 2017/06/06 10:27:13, 0.1
396, 2017/06/06 10:27:23, 0.1
397, 2017/06/06 10:27:33, 0.1
398, 2017/06/06 10:27:43, 0.1
399, 2017/06/06 10:27:53, 0.1
400, 2017/06/06 10:28:03, 0.1
401, 2017/06/06 10:28:13, 0.1
402, 2017/06/06 10:28:23, 0.1
403, 2017/06/06 10:28:33, 0.1
404, 2017/06/06 10:28:43, 0.1
405, 2017/06/06 10:28:53, 0.1
406, 2017/06/06 10:29:03, 0.1
407, 2017/06/06 10:29:13, 0.1
408, 2017/06/06 10:29:23, 0.1
409, 2017/06/06 10:29:33, 0.1
410, 2017/06/06 10:29:43, 0.1
411, 2017/06/06 10:29:53, 0.1
412, 2017/06/06 10:30:03, 0.1
413, 2017/06/06 10:30:13, 0.1
414, 2017/06/06 10:30:23, 0.1
415, 2017/06/06 10:30:33, 0.1
416, 2017/06/06 10:30:43, 0.1
417, 2017/06/06 10:30:53, 0.1
418, 2017/06/06 10:31:03, 0.1
419, 2017/06/06 10:31:13, 0.1
420, 2017/06/06 10:31:23, 0.1
421, 2017/06/06 10:31:33, 0.1
422, 2017/06/06 10:31:43, 0.1
423, 2017/06/06 10:31:53, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

424, 2017/06/06 10:32:03, 0.1
425, 2017/06/06 10:32:13, 0.1
426, 2017/06/06 10:32:23, 0.1
427, 2017/06/06 10:32:33, 0.1
428, 2017/06/06 10:32:43, 0.1
429, 2017/06/06 10:32:53, 0.1
430, 2017/06/06 10:33:03, 0.1
431, 2017/06/06 10:33:13, 0.1
432, 2017/06/06 10:33:23, 0.1
433, 2017/06/06 10:33:33, 0.1
434, 2017/06/06 10:33:43, 0.1
435, 2017/06/06 10:33:53, 0.1
436, 2017/06/06 10:34:03, 0.1
437, 2017/06/06 10:34:13, 0.1
438, 2017/06/06 10:34:23, 0.1
439, 2017/06/06 10:34:33, 0.1
440, 2017/06/06 10:34:43, 0.1
441, 2017/06/06 10:34:53, 0.1
442, 2017/06/06 10:35:03, 0.1
443, 2017/06/06 10:35:13, 0.1
444, 2017/06/06 10:35:23, 0.1
445, 2017/06/06 10:35:33, 0.1
446, 2017/06/06 10:35:43, 0.1
447, 2017/06/06 10:35:53, 0.1
448, 2017/06/06 10:36:03, 0.1
449, 2017/06/06 10:36:13, 0.1
450, 2017/06/06 10:36:23, 0.1
451, 2017/06/06 10:36:33, 0.1
452, 2017/06/06 10:36:43, 0.1
453, 2017/06/06 10:36:53, 0.1
454, 2017/06/06 10:37:03, 0.1
455, 2017/06/06 10:37:13, 0.1
456, 2017/06/06 10:37:23, 0.1
457, 2017/06/06 10:37:33, 0.1
458, 2017/06/06 10:37:43, 0.1
459, 2017/06/06 10:37:53, 0.1
460, 2017/06/06 10:38:03, 0.1
461, 2017/06/06 10:38:13, 0.1
462, 2017/06/06 10:38:23, 0.1
463, 2017/06/06 10:38:33, 0.1
464, 2017/06/06 10:38:43, 0.1
465, 2017/06/06 10:38:53, 0.1
466, 2017/06/06 10:39:03, 0.1
467, 2017/06/06 10:39:13, 0.1
468, 2017/06/06 10:39:23, 0.1
469, 2017/06/06 10:39:33, 0.1
470, 2017/06/06 10:39:43, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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471, 2017/06/06 10:39:53, 0.1
472, 2017/06/06 10:40:03, 0.1
473, 2017/06/06 10:40:13, 0.1
474, 2017/06/06 10:40:23, 0.1
475, 2017/06/06 10:40:33, 0.1
476, 2017/06/06 10:40:43, 0.1
477, 2017/06/06 10:40:53, 0.1
478, 2017/06/06 10:41:03, 0.1
479, 2017/06/06 10:41:13, 0.1
480, 2017/06/06 10:41:23, 0.1
481, 2017/06/06 10:41:33, 0.1
482, 2017/06/06 10:41:43, 0.1
483, 2017/06/06 10:41:53, 0.1
484, 2017/06/06 10:42:03, 0.1
485, 2017/06/06 10:42:13, 0.1
486, 2017/06/06 10:42:23, 0.1
487, 2017/06/06 10:42:33, 0.1
488, 2017/06/06 10:42:43, 0.1
489, 2017/06/06 10:42:53, 0.1
490, 2017/06/06 10:43:03, 0.1
491, 2017/06/06 10:43:13, 0.1
492, 2017/06/06 10:43:23, 0.1
493, 2017/06/06 10:43:33, 0.1
494, 2017/06/06 10:43:43, 0.1
495, 2017/06/06 10:43:53, 0.1
496, 2017/06/06 10:44:03, 0.1
497, 2017/06/06 10:44:13, 0.1
498, 2017/06/06 10:44:23, 0.1
499, 2017/06/06 10:44:33, 0.1
500, 2017/06/06 10:44:43, 0.1
501, 2017/06/06 10:44:53, 0.1
502, 2017/06/06 10:45:03, 0.1
503, 2017/06/06 10:45:13, 0.1
504, 2017/06/06 10:45:23, 0.1
505, 2017/06/06 10:45:33, 0.1
506, 2017/06/06 10:45:43, 0.1
507, 2017/06/06 10:45:53, 0.1
508, 2017/06/06 10:46:03, 0.1
509, 2017/06/06 10:46:13, 0.1
510, 2017/06/06 10:46:23, 0.1
511, 2017/06/06 10:46:33, 0.1
512, 2017/06/06 10:46:43, 0.1
513, 2017/06/06 10:46:53, 0.1
514, 2017/06/06 10:47:03, 0.1
515, 2017/06/06 10:47:13, 0.1
516, 2017/06/06 10:47:23, 0.1
517, 2017/06/06 10:47:33, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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518, 2017/06/06 10:47:43, 0.1
519, 2017/06/06 10:47:53, 0.1
520, 2017/06/06 10:48:03, 0.1
521, 2017/06/06 10:48:13, 0.1
522, 2017/06/06 10:48:23, 0.1
523, 2017/06/06 10:48:33, 0.1
524, 2017/06/06 10:48:43, 0.1
525, 2017/06/06 10:48:53, 0.1
526, 2017/06/06 10:49:03, 0.1
527, 2017/06/06 10:49:13, 0.1
528, 2017/06/06 10:49:23, 0.1
529, 2017/06/06 10:49:33, 0.1
530, 2017/06/06 10:49:43, 0.1
531, 2017/06/06 10:49:53, 0.1
532, 2017/06/06 10:50:03, 0.1
533, 2017/06/06 10:50:13, 0.2
534, 2017/06/06 10:50:23, 0.1
535, 2017/06/06 10:50:33, 0.1
536, 2017/06/06 10:50:43, 0.1
537, 2017/06/06 10:50:53, 0.1
538, 2017/06/06 10:51:03, 0.1
539, 2017/06/06 10:51:13, 0.1
540, 2017/06/06 10:51:23, 0.1
541, 2017/06/06 10:51:33, 0.1
542, 2017/06/06 10:51:43, 0.1
543, 2017/06/06 10:51:53, 0.1
544, 2017/06/06 10:52:03, 0.1
545, 2017/06/06 10:52:13, 0.1
546, 2017/06/06 10:52:23, 0.1
547, 2017/06/06 10:52:33, 0.1
548, 2017/06/06 10:52:43, 0.1
549, 2017/06/06 10:52:53, 0.1
550, 2017/06/06 10:53:03, 0.1
551, 2017/06/06 10:53:13, 0.1
552, 2017/06/06 10:53:23, 0.1
553, 2017/06/06 10:53:33, 0.1
554, 2017/06/06 10:53:43, 0.1
555, 2017/06/06 10:53:53, 0.1
556, 2017/06/06 10:54:03, 0.1
557, 2017/06/06 10:54:13, 0.1
558, 2017/06/06 10:54:23, 0.1
559, 2017/06/06 10:54:33, 0.1
560, 2017/06/06 10:54:43, 0.1
561, 2017/06/06 10:54:53, 0.1
562, 2017/06/06 10:55:03, 0.1
563, 2017/06/06 10:55:13, 0.1
564, 2017/06/06 10:55:23, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

565, 2017/06/06 10:55:33, 0.1
566, 2017/06/06 10:55:43, 0.1
567, 2017/06/06 10:55:53, 0.1
568, 2017/06/06 10:56:03, 0.1
569, 2017/06/06 10:56:13, 0.2
570, 2017/06/06 10:56:23, 0.4
571, 2017/06/06 10:56:33, 0.5
572, 2017/06/06 10:56:43, 0.2
573, 2017/06/06 10:56:53, 0.2
574, 2017/06/06 10:57:03, 0.1
575, 2017/06/06 10:57:13, 0.1
576, 2017/06/06 10:57:23, 0.2
577, 2017/06/06 10:57:33, 0.2
578, 2017/06/06 10:57:43, 0.3
579, 2017/06/06 10:57:53, 0.4
580, 2017/06/06 10:58:03, 0.2
581, 2017/06/06 10:58:13, 0.3
582, 2017/06/06 10:58:23, 0.2
583, 2017/06/06 10:58:33, 0.2
584, 2017/06/06 10:58:43, 0.2
585, 2017/06/06 10:58:53, 0.8
586, 2017/06/06 10:59:03, 1.0
587, 2017/06/06 10:59:13, 0.2
588, 2017/06/06 10:59:23, 0.5
589, 2017/06/06 10:59:33, 0.2
590, 2017/06/06 10:59:43, 0.2
591, 2017/06/06 10:59:53, 0.3
592, 2017/06/06 11:00:03, 0.8
593, 2017/06/06 11:00:13, 0.5
594, 2017/06/06 11:00:23, 0.4
595, 2017/06/06 11:00:33, 0.2
596, 2017/06/06 11:00:43, 0.3
597, 2017/06/06 11:00:53, 0.2
598, 2017/06/06 11:01:03, 0.1
599, 2017/06/06 11:01:13, 0.1
600, 2017/06/06 11:01:23, 0.1
601, 2017/06/06 11:01:33, 0.1
602, 2017/06/06 11:01:43, 0.1
603, 2017/06/06 11:01:53, 0.1
604, 2017/06/06 11:02:03, 0.1
605, 2017/06/06 11:02:13, 0.2
606, 2017/06/06 11:02:23, 0.2
607, 2017/06/06 11:02:33, 0.1
608, 2017/06/06 11:02:43, 0.1
609, 2017/06/06 11:02:53, 0.2
610, 2017/06/06 11:03:03, 0.2
611, 2017/06/06 11:03:13, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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612, 2017/06/06 11:03:23, 0.3
613, 2017/06/06 11:03:33, 0.2
614, 2017/06/06 11:03:43, 0.1
615, 2017/06/06 11:03:53, 0.1
616, 2017/06/06 11:04:03, 0.1
617, 2017/06/06 11:04:13, 0.1
618, 2017/06/06 11:04:23, 0.1
619, 2017/06/06 11:04:33, 0.2
620, 2017/06/06 11:04:43, 0.2
621, 2017/06/06 11:04:53, 0.1
622, 2017/06/06 11:05:03, 0.2
623, 2017/06/06 11:05:13, 0.2
624, 2017/06/06 11:05:23, 0.2
625, 2017/06/06 11:05:33, 0.2
626, 2017/06/06 11:05:43, 0.2
627, 2017/06/06 11:05:53, 0.1
628, 2017/06/06 11:06:03, 0.1
629, 2017/06/06 11:06:13, 0.1
630, 2017/06/06 11:06:23, 0.1
631, 2017/06/06 11:06:33, 0.2
632, 2017/06/06 11:06:43, 0.2
633, 2017/06/06 11:06:53, 0.1
634, 2017/06/06 11:07:03, 0.1
635, 2017/06/06 11:07:13, 0.1
636, 2017/06/06 11:07:23, 0.2
637, 2017/06/06 11:07:33, 0.1
638, 2017/06/06 11:07:43, 0.1
639, 2017/06/06 11:07:53, 0.2
640, 2017/06/06 11:08:03, 0.2
641, 2017/06/06 11:08:13, 0.1
642, 2017/06/06 11:08:23, 0.1
643, 2017/06/06 11:08:33, 0.1
644, 2017/06/06 11:08:43, 0.2
645, 2017/06/06 11:08:53, 0.2
646, 2017/06/06 11:09:03, 0.1
647, 2017/06/06 11:09:13, 0.2
648, 2017/06/06 11:09:23, 0.2
649, 2017/06/06 11:09:33, 0.1
650, 2017/06/06 11:09:43, 0.1
651, 2017/06/06 11:09:53, 0.1
652, 2017/06/06 11:10:03, 0.1
653, 2017/06/06 11:10:13, 0.2
654, 2017/06/06 11:10:23, 0.2
655, 2017/06/06 11:10:33, 0.1
656, 2017/06/06 11:10:43, 0.1
657, 2017/06/06 11:10:53, 0.1
658, 2017/06/06 11:11:03, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

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659, 2017/06/06 11:11:13, 0.1
660, 2017/06/06 11:11:23, 0.1
661, 2017/06/06 11:11:33, 0.1
662, 2017/06/06 11:11:43, 0.1
Peak, , 1.0
Min, , 0.1
Average, , 0.1

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17/06/06 11:19

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-919025
Unit Firmware Ver	V2.14
Running Mode	Hygiene Mode
Datalog Mode	Manual
Diagnostic Mode	No
Stop Reason	Stop by User
Site ID	RAE00000
User ID	USER0000
Begin	6/6/2017 11:19
End	6/6/2017 11:19
Sample Period(s)	10
Number of Records	1
Sensor	PID(ppm)
Sensor SN	S023030183U3
Measure Type	Avg
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	6/6/2017 7:16
Peak	N/A
Min	N/A
Average	N/A

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Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

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Datalog
, , PID(ppm)
Index, Date/Time, (Avg)
001, 2017/06/06 11:19:20, 0.1
Peak, , 0.1
Min, , 0.1
Average, , 0.1

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17/06/06 11:39

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-919025
Unit Firmware Ver	V2.14
Running Mode	Hygiene Mode
Datalog Mode	Manual
Diagnostic Mode	No
Stop Reason	Stop by User
Site ID	RAE00000
User ID	USER0000
Begin	6/6/2017 11:39
End	6/6/2017 13:07
Sample Period(s)	10
Number of Records	528
Sensor	PID(ppm)
Sensor SN	S023030183U3
Measure Type	Avg
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	6/6/2017 7:16
Peak	N/A
Min	N/A
Average	N/A

****

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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Datalog
, , PID(ppm)
Index, Date/Time, (Avg)
001, 2017/06/06 11:39:25, 0.2
002, 2017/06/06 11:39:35, 0.2
003, 2017/06/06 11:39:45, 0.2
004, 2017/06/06 11:39:55, 0.2
005, 2017/06/06 11:40:05, 0.2
006, 2017/06/06 11:40:15, 0.2
007, 2017/06/06 11:40:25, 0.2
008, 2017/06/06 11:40:35, 0.2
009, 2017/06/06 11:40:45, 0.2
010, 2017/06/06 11:40:55, 0.2
011, 2017/06/06 11:41:05, 0.2
012, 2017/06/06 11:41:15, 0.2
013, 2017/06/06 11:41:25, 0.2
014, 2017/06/06 11:41:35, 0.2
015, 2017/06/06 11:41:45, 0.2
016, 2017/06/06 11:41:55, 0.2
017, 2017/06/06 11:42:05, 0.2
018, 2017/06/06 11:42:15, 0.2
019, 2017/06/06 11:42:25, 0.2
020, 2017/06/06 11:42:35, 0.2
021, 2017/06/06 11:42:45, 0.2
022, 2017/06/06 11:42:55, 0.2
023, 2017/06/06 11:43:05, 0.2
024, 2017/06/06 11:43:15, 0.2
025, 2017/06/06 11:43:25, 0.2
026, 2017/06/06 11:43:35, 0.2
027, 2017/06/06 11:43:45, 0.2
028, 2017/06/06 11:43:55, 0.2
029, 2017/06/06 11:44:05, 0.2
030, 2017/06/06 11:44:15, 0.2
031, 2017/06/06 11:44:25, 0.2
032, 2017/06/06 11:44:35, 0.2
033, 2017/06/06 11:44:45, 0.2
034, 2017/06/06 11:44:55, 0.2
035, 2017/06/06 11:45:05, 0.2
036, 2017/06/06 11:45:15, 0.2
037, 2017/06/06 11:45:25, 0.2
038, 2017/06/06 11:45:35, 0.2
039, 2017/06/06 11:45:45, 0.2
040, 2017/06/06 11:45:55, 0.2
041, 2017/06/06 11:46:05, 0.2
042, 2017/06/06 11:46:15, 0.2
043, 2017/06/06 11:46:25, 0.2
044, 2017/06/06 11:46:35, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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045, 2017/06/06 11:46:45, 0.2
046, 2017/06/06 11:46:55, 0.2
047, 2017/06/06 11:47:05, 0.2
048, 2017/06/06 11:47:15, 0.2
049, 2017/06/06 11:47:25, 0.2
050, 2017/06/06 11:47:35, 0.2
051, 2017/06/06 11:47:45, 0.2
052, 2017/06/06 11:47:55, 0.2
053, 2017/06/06 11:48:05, 0.2
054, 2017/06/06 11:48:15, 0.2
055, 2017/06/06 11:48:25, 0.2
056, 2017/06/06 11:48:35, 0.2
057, 2017/06/06 11:48:45, 0.2
058, 2017/06/06 11:48:55, 0.2
059, 2017/06/06 11:49:05, 0.2
060, 2017/06/06 11:49:15, 0.2
061, 2017/06/06 11:49:25, 0.2
062, 2017/06/06 11:49:35, 0.2
063, 2017/06/06 11:49:45, 0.2
064, 2017/06/06 11:49:55, 0.2
065, 2017/06/06 11:50:05, 0.2
066, 2017/06/06 11:50:15, 0.2
067, 2017/06/06 11:50:25, 0.2
068, 2017/06/06 11:50:35, 0.2
069, 2017/06/06 11:50:45, 0.2
070, 2017/06/06 11:50:55, 0.2
071, 2017/06/06 11:51:05, 0.2
072, 2017/06/06 11:51:15, 0.2
073, 2017/06/06 11:51:25, 0.2
074, 2017/06/06 11:51:35, 0.2
075, 2017/06/06 11:51:45, 0.2
076, 2017/06/06 11:51:55, 0.2
077, 2017/06/06 11:52:05, 0.2
078, 2017/06/06 11:52:15, 0.2
079, 2017/06/06 11:52:25, 0.2
080, 2017/06/06 11:52:35, 0.2
081, 2017/06/06 11:52:45, 0.1
082, 2017/06/06 11:52:55, 0.1
083, 2017/06/06 11:53:05, 0.1
084, 2017/06/06 11:53:15, 0.1
085, 2017/06/06 11:53:25, 0.1
086, 2017/06/06 11:53:35, 0.1
087, 2017/06/06 11:53:45, 0.1
088, 2017/06/06 11:53:55, 0.1
089, 2017/06/06 11:54:05, 0.1
090, 2017/06/06 11:54:15, 0.1
091, 2017/06/06 11:54:25, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

092, 2017/06/06 11:54:35, 0.2
093, 2017/06/06 11:54:45, 0.2
094, 2017/06/06 11:54:55, 0.2
095, 2017/06/06 11:55:05, 0.2
096, 2017/06/06 11:55:15, 0.2
097, 2017/06/06 11:55:25, 0.1
098, 2017/06/06 11:55:35, 0.1
099, 2017/06/06 11:55:45, 0.1
100, 2017/06/06 11:55:55, 0.1
101, 2017/06/06 11:56:05, 0.1
102, 2017/06/06 11:56:15, 0.1
103, 2017/06/06 11:56:25, 0.1
104, 2017/06/06 11:56:35, 0.1
105, 2017/06/06 11:56:45, 0.1
106, 2017/06/06 11:56:55, 0.1
107, 2017/06/06 11:57:05, 0.1
108, 2017/06/06 11:57:15, 0.2
109, 2017/06/06 11:57:25, 0.2
110, 2017/06/06 11:57:35, 0.2
111, 2017/06/06 11:57:45, 0.2
112, 2017/06/06 11:57:55, 0.2
113, 2017/06/06 11:58:05, 0.1
114, 2017/06/06 11:58:15, 0.1
115, 2017/06/06 11:58:25, 0.1
116, 2017/06/06 11:58:35, 0.1
117, 2017/06/06 11:58:45, 0.2
118, 2017/06/06 11:58:55, 0.1
119, 2017/06/06 11:59:05, 0.1
120, 2017/06/06 11:59:15, 0.2
121, 2017/06/06 11:59:25, 0.2
122, 2017/06/06 11:59:35, 0.2
123, 2017/06/06 11:59:45, 0.2
124, 2017/06/06 11:59:55, 0.2
125, 2017/06/06 12:00:05, 0.2
126, 2017/06/06 12:00:15, 0.2
127, 2017/06/06 12:00:25, 0.2
128, 2017/06/06 12:00:35, 0.2
129, 2017/06/06 12:00:45, 0.1
130, 2017/06/06 12:00:55, 0.1
131, 2017/06/06 12:01:05, 0.1
132, 2017/06/06 12:01:15, 0.2
133, 2017/06/06 12:01:25, 0.2
134, 2017/06/06 12:01:35, 0.2
135, 2017/06/06 12:01:45, 0.2
136, 2017/06/06 12:01:55, 0.2
137, 2017/06/06 12:02:05, 0.2
138, 2017/06/06 12:02:15, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

139, 2017/06/06 12:02:25, 0.2
140, 2017/06/06 12:02:35, 0.2
141, 2017/06/06 12:02:45, 0.2
142, 2017/06/06 12:02:55, 0.2
143, 2017/06/06 12:03:05, 0.2
144, 2017/06/06 12:03:15, 0.2
145, 2017/06/06 12:03:25, 0.2
146, 2017/06/06 12:03:35, 0.2
147, 2017/06/06 12:03:45, 0.1
148, 2017/06/06 12:03:55, 0.1
149, 2017/06/06 12:04:05, 0.1
150, 2017/06/06 12:04:15, 0.1
151, 2017/06/06 12:04:25, 0.1
152, 2017/06/06 12:04:35, 0.1
153, 2017/06/06 12:04:45, 0.1
154, 2017/06/06 12:04:55, 0.2
155, 2017/06/06 12:05:05, 0.2
156, 2017/06/06 12:05:15, 0.2
157, 2017/06/06 12:05:25, 0.2
158, 2017/06/06 12:05:35, 0.2
159, 2017/06/06 12:05:45, 0.2
160, 2017/06/06 12:05:55, 0.2
161, 2017/06/06 12:06:05, 0.2
162, 2017/06/06 12:06:15, 0.2
163, 2017/06/06 12:06:25, 0.2
164, 2017/06/06 12:06:35, 0.2
165, 2017/06/06 12:06:45, 0.2
166, 2017/06/06 12:06:55, 0.2
167, 2017/06/06 12:07:05, 0.2
168, 2017/06/06 12:07:15, 0.2
169, 2017/06/06 12:07:25, 0.2
170, 2017/06/06 12:07:35, 0.2
171, 2017/06/06 12:07:45, 0.2
172, 2017/06/06 12:07:55, 0.1
173, 2017/06/06 12:08:05, 0.2
174, 2017/06/06 12:08:15, 0.2
175, 2017/06/06 12:08:25, 0.2
176, 2017/06/06 12:08:35, 0.2
177, 2017/06/06 12:08:45, 0.2
178, 2017/06/06 12:08:55, 0.1
179, 2017/06/06 12:09:05, 0.2
180, 2017/06/06 12:09:15, 0.2
181, 2017/06/06 12:09:25, 0.2
182, 2017/06/06 12:09:35, 0.2
183, 2017/06/06 12:09:45, 0.2
184, 2017/06/06 12:09:55, 0.2
185, 2017/06/06 12:10:05, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

186, 2017/06/06 12:10:15, 0.2
187, 2017/06/06 12:10:25, 0.2
188, 2017/06/06 12:10:35, 0.2
189, 2017/06/06 12:10:45, 0.2
190, 2017/06/06 12:10:55, 0.2
191, 2017/06/06 12:11:05, 0.2
192, 2017/06/06 12:11:15, 0.2
193, 2017/06/06 12:11:25, 0.2
194, 2017/06/06 12:11:35, 0.2
195, 2017/06/06 12:11:45, 0.2
196, 2017/06/06 12:11:55, 0.2
197, 2017/06/06 12:12:05, 0.2
198, 2017/06/06 12:12:15, 0.2
199, 2017/06/06 12:12:25, 0.2
200, 2017/06/06 12:12:35, 0.2
201, 2017/06/06 12:12:45, 0.1
202, 2017/06/06 12:12:55, 0.1
203, 2017/06/06 12:13:05, 0.1
204, 2017/06/06 12:13:15, 0.1
205, 2017/06/06 12:13:25, 0.2
206, 2017/06/06 12:13:35, 0.1
207, 2017/06/06 12:13:45, 0.1
208, 2017/06/06 12:13:55, 0.1
209, 2017/06/06 12:14:05, 0.1
210, 2017/06/06 12:14:15, 0.1
211, 2017/06/06 12:14:25, 0.1
212, 2017/06/06 12:14:35, 0.1
213, 2017/06/06 12:14:45, 0.2
214, 2017/06/06 12:14:55, 0.2
215, 2017/06/06 12:15:05, 0.2
216, 2017/06/06 12:15:15, 0.1
217, 2017/06/06 12:15:25, 0.1
218, 2017/06/06 12:15:35, 0.1
219, 2017/06/06 12:15:45, 0.2
220, 2017/06/06 12:15:55, 0.2
221, 2017/06/06 12:16:05, 0.2
222, 2017/06/06 12:16:15, 0.2
223, 2017/06/06 12:16:25, 0.1
224, 2017/06/06 12:16:35, 0.1
225, 2017/06/06 12:16:45, 0.1
226, 2017/06/06 12:16:55, 0.2
227, 2017/06/06 12:17:05, 0.2
228, 2017/06/06 12:17:15, 0.2
229, 2017/06/06 12:17:25, 0.2
230, 2017/06/06 12:17:35, 0.2
231, 2017/06/06 12:17:45, 0.2
232, 2017/06/06 12:17:55, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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233, 2017/06/06 12:18:05, 0.2
234, 2017/06/06 12:18:15, 0.2
235, 2017/06/06 12:18:25, 0.2
236, 2017/06/06 12:18:35, 0.2
237, 2017/06/06 12:18:45, 0.2
238, 2017/06/06 12:18:55, 0.1
239, 2017/06/06 12:19:05, 0.2
240, 2017/06/06 12:19:15, 0.2
241, 2017/06/06 12:19:25, 0.2
242, 2017/06/06 12:19:35, 0.2
243, 2017/06/06 12:19:45, 0.2
244, 2017/06/06 12:19:55, 0.2
245, 2017/06/06 12:20:05, 0.2
246, 2017/06/06 12:20:15, 0.2
247, 2017/06/06 12:20:25, 0.2
248, 2017/06/06 12:20:35, 0.2
249, 2017/06/06 12:20:45, 0.2
250, 2017/06/06 12:20:55, 0.2
251, 2017/06/06 12:21:05, 0.2
252, 2017/06/06 12:21:15, 0.2
253, 2017/06/06 12:21:25, 0.2
254, 2017/06/06 12:21:35, 0.1
255, 2017/06/06 12:21:45, 0.1
256, 2017/06/06 12:21:55, 0.1
257, 2017/06/06 12:22:05, 0.2
258, 2017/06/06 12:22:15, 0.2
259, 2017/06/06 12:22:25, 0.2
260, 2017/06/06 12:22:35, 0.2
261, 2017/06/06 12:22:45, 0.2
262, 2017/06/06 12:22:55, 0.2
263, 2017/06/06 12:23:05, 0.2
264, 2017/06/06 12:23:15, 0.2
265, 2017/06/06 12:23:25, 0.1
266, 2017/06/06 12:23:35, 0.1
267, 2017/06/06 12:23:45, 0.1
268, 2017/06/06 12:23:55, 0.1
269, 2017/06/06 12:24:05, 0.1
270, 2017/06/06 12:24:15, 0.1
271, 2017/06/06 12:24:25, 0.1
272, 2017/06/06 12:24:35, 0.2
273, 2017/06/06 12:24:45, 0.2
274, 2017/06/06 12:24:55, 0.2
275, 2017/06/06 12:25:05, 0.2
276, 2017/06/06 12:25:15, 0.2
277, 2017/06/06 12:25:25, 0.2
278, 2017/06/06 12:25:35, 0.1
279, 2017/06/06 12:25:45, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

280, 2017/06/06 12:25:55, 0.1
281, 2017/06/06 12:26:05, 0.1
282, 2017/06/06 12:26:15, 0.1
283, 2017/06/06 12:26:25, 0.1
284, 2017/06/06 12:26:35, 0.1
285, 2017/06/06 12:26:45, 0.1
286, 2017/06/06 12:26:55, 0.1
287, 2017/06/06 12:27:05, 0.1
288, 2017/06/06 12:27:15, 0.1
289, 2017/06/06 12:27:25, 0.1
290, 2017/06/06 12:27:35, 0.2
291, 2017/06/06 12:27:45, 0.2
292, 2017/06/06 12:27:55, 0.1
293, 2017/06/06 12:28:05, 0.1
294, 2017/06/06 12:28:15, 0.2
295, 2017/06/06 12:28:25, 0.3
296, 2017/06/06 12:28:35, 0.2
297, 2017/06/06 12:28:45, 0.2
298, 2017/06/06 12:28:55, 0.2
299, 2017/06/06 12:29:05, 0.2
300, 2017/06/06 12:29:15, 0.2
301, 2017/06/06 12:29:25, 0.2
302, 2017/06/06 12:29:35, 0.1
303, 2017/06/06 12:29:45, 0.2
304, 2017/06/06 12:29:55, 0.1
305, 2017/06/06 12:30:05, 0.1
306, 2017/06/06 12:30:15, 0.3
307, 2017/06/06 12:30:25, 0.3
308, 2017/06/06 12:30:35, 0.2
309, 2017/06/06 12:30:45, 0.2
310, 2017/06/06 12:30:55, 0.2
311, 2017/06/06 12:31:05, 0.2
312, 2017/06/06 12:31:15, 0.2
313, 2017/06/06 12:31:25, 0.2
314, 2017/06/06 12:31:35, 0.2
315, 2017/06/06 12:31:45, 0.3
316, 2017/06/06 12:31:55, 0.2
317, 2017/06/06 12:32:05, 0.2
318, 2017/06/06 12:32:15, 0.2
319, 2017/06/06 12:32:25, 0.2
320, 2017/06/06 12:32:35, 0.2
321, 2017/06/06 12:32:45, 0.2
322, 2017/06/06 12:32:55, 0.2
323, 2017/06/06 12:33:05, 0.2
324, 2017/06/06 12:33:15, 0.2
325, 2017/06/06 12:33:25, 0.2
326, 2017/06/06 12:33:35, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

327, 2017/06/06 12:33:45, 0.2
328, 2017/06/06 12:33:55, 0.2
329, 2017/06/06 12:34:05, 0.1
330, 2017/06/06 12:34:15, 0.2
331, 2017/06/06 12:34:25, 0.2
332, 2017/06/06 12:34:35, 0.2
333, 2017/06/06 12:34:45, 0.2
334, 2017/06/06 12:34:55, 0.2
335, 2017/06/06 12:35:05, 0.2
336, 2017/06/06 12:35:15, 0.2
337, 2017/06/06 12:35:25, 0.2
338, 2017/06/06 12:35:35, 0.2
339, 2017/06/06 12:35:45, 0.2
340, 2017/06/06 12:35:55, 0.2
341, 2017/06/06 12:36:05, 0.2
342, 2017/06/06 12:36:15, 0.1
343, 2017/06/06 12:36:25, 0.2
344, 2017/06/06 12:36:35, 0.2
345, 2017/06/06 12:36:45, 0.1
346, 2017/06/06 12:36:55, 0.1
347, 2017/06/06 12:37:05, 0.1
348, 2017/06/06 12:37:15, 0.1
349, 2017/06/06 12:37:25, 0.1
350, 2017/06/06 12:37:35, 0.1
351, 2017/06/06 12:37:45, 0.2
352, 2017/06/06 12:37:55, 0.2
353, 2017/06/06 12:38:05, 0.2
354, 2017/06/06 12:38:15, 0.2
355, 2017/06/06 12:38:25, 0.2
356, 2017/06/06 12:38:35, 0.2
357, 2017/06/06 12:38:45, 0.2
358, 2017/06/06 12:38:55, 0.2
359, 2017/06/06 12:39:05, 0.1
360, 2017/06/06 12:39:15, 0.1
361, 2017/06/06 12:39:25, 0.2
362, 2017/06/06 12:39:35, 0.2
363, 2017/06/06 12:39:45, 0.1
364, 2017/06/06 12:39:55, 0.1
365, 2017/06/06 12:40:05, 0.1
366, 2017/06/06 12:40:15, 0.2
367, 2017/06/06 12:40:25, 0.2
368, 2017/06/06 12:40:35, 0.2
369, 2017/06/06 12:40:45, 0.2
370, 2017/06/06 12:40:55, 0.1
371, 2017/06/06 12:41:05, 0.1
372, 2017/06/06 12:41:15, 0.2
373, 2017/06/06 12:41:25, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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374, 2017/06/06 12:41:35, 0.1
375, 2017/06/06 12:41:45, 0.1
376, 2017/06/06 12:41:55, 0.1
377, 2017/06/06 12:42:05, 0.2
378, 2017/06/06 12:42:15, 0.2
379, 2017/06/06 12:42:25, 0.2
380, 2017/06/06 12:42:35, 0.2
381, 2017/06/06 12:42:45, 0.2
382, 2017/06/06 12:42:55, 0.2
383, 2017/06/06 12:43:05, 0.2
384, 2017/06/06 12:43:15, 0.2
385, 2017/06/06 12:43:25, 0.2
386, 2017/06/06 12:43:35, 0.2
387, 2017/06/06 12:43:45, 0.2
388, 2017/06/06 12:43:55, 0.2
389, 2017/06/06 12:44:05, 0.2
390, 2017/06/06 12:44:15, 0.1
391, 2017/06/06 12:44:25, 0.2
392, 2017/06/06 12:44:35, 0.2
393, 2017/06/06 12:44:45, 0.2
394, 2017/06/06 12:44:55, 0.2
395, 2017/06/06 12:45:05, 0.2
396, 2017/06/06 12:45:15, 0.2
397, 2017/06/06 12:45:25, 0.1
398, 2017/06/06 12:45:35, 0.2
399, 2017/06/06 12:45:45, 0.2
400, 2017/06/06 12:45:55, 0.2
401, 2017/06/06 12:46:05, 0.2
402, 2017/06/06 12:46:15, 0.2
403, 2017/06/06 12:46:25, 0.2
404, 2017/06/06 12:46:35, 0.2
405, 2017/06/06 12:46:45, 0.2
406, 2017/06/06 12:46:55, 0.2
407, 2017/06/06 12:47:05, 0.2
408, 2017/06/06 12:47:15, 0.2
409, 2017/06/06 12:47:25, 0.2
410, 2017/06/06 12:47:35, 0.2
411, 2017/06/06 12:47:45, 0.2
412, 2017/06/06 12:47:55, 0.2
413, 2017/06/06 12:48:05, 0.2
414, 2017/06/06 12:48:15, 0.2
415, 2017/06/06 12:48:25, 0.2
416, 2017/06/06 12:48:35, 0.2
417, 2017/06/06 12:48:45, 0.1
418, 2017/06/06 12:48:55, 0.2
419, 2017/06/06 12:49:05, 0.2
420, 2017/06/06 12:49:15, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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421, 2017/06/06 12:49:25, 0.2
422, 2017/06/06 12:49:35, 0.2
423, 2017/06/06 12:49:45, 0.2
424, 2017/06/06 12:49:55, 0.2
425, 2017/06/06 12:50:05, 0.2
426, 2017/06/06 12:50:15, 0.2
427, 2017/06/06 12:50:25, 0.2
428, 2017/06/06 12:50:35, 0.2
429, 2017/06/06 12:50:45, 0.2
430, 2017/06/06 12:50:55, 0.2
431, 2017/06/06 12:51:05, 0.2
432, 2017/06/06 12:51:15, 0.2
433, 2017/06/06 12:51:25, 0.2
434, 2017/06/06 12:51:35, 0.2
435, 2017/06/06 12:51:45, 0.2
436, 2017/06/06 12:51:55, 0.2
437, 2017/06/06 12:52:05, 0.2
438, 2017/06/06 12:52:15, 0.2
439, 2017/06/06 12:52:25, 0.2
440, 2017/06/06 12:52:35, 0.2
441, 2017/06/06 12:52:45, 0.2
442, 2017/06/06 12:52:55, 0.2
443, 2017/06/06 12:53:05, 0.2
444, 2017/06/06 12:53:15, 0.2
445, 2017/06/06 12:53:25, 0.2
446, 2017/06/06 12:53:35, 0.2
447, 2017/06/06 12:53:45, 0.3
448, 2017/06/06 12:53:55, 0.2
449, 2017/06/06 12:54:05, 0.2
450, 2017/06/06 12:54:15, 0.2
451, 2017/06/06 12:54:25, 0.2
452, 2017/06/06 12:54:35, 0.2
453, 2017/06/06 12:54:45, 0.2
454, 2017/06/06 12:54:55, 0.2
455, 2017/06/06 12:55:05, 0.2
456, 2017/06/06 12:55:15, 0.2
457, 2017/06/06 12:55:25, 0.2
458, 2017/06/06 12:55:35, 0.2
459, 2017/06/06 12:55:45, 0.2
460, 2017/06/06 12:55:55, 0.2
461, 2017/06/06 12:56:05, 0.2
462, 2017/06/06 12:56:15, 0.2
463, 2017/06/06 12:56:25, 0.2
464, 2017/06/06 12:56:35, 0.2
465, 2017/06/06 12:56:45, 0.2
466, 2017/06/06 12:56:55, 0.3
467, 2017/06/06 12:57:05, 0.3

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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468, 2017/06/06 12:57:15, 0.3
469, 2017/06/06 12:57:25, 0.3
470, 2017/06/06 12:57:35, 0.3
471, 2017/06/06 12:57:45, 0.3
472, 2017/06/06 12:57:55, 0.2
473, 2017/06/06 12:58:05, 0.2
474, 2017/06/06 12:58:15, 0.2
475, 2017/06/06 12:58:25, 0.3
476, 2017/06/06 12:58:35, 0.2
477, 2017/06/06 12:58:45, 0.5
478, 2017/06/06 12:58:55, 0.4
479, 2017/06/06 12:59:05, 0.3
480, 2017/06/06 12:59:15, 0.2
481, 2017/06/06 12:59:25, 0.2
482, 2017/06/06 12:59:35, 0.2
483, 2017/06/06 12:59:45, 0.2
484, 2017/06/06 12:59:55, 0.2
485, 2017/06/06 13:00:05, 0.2
486, 2017/06/06 13:00:15, 0.2
487, 2017/06/06 13:00:25, 0.2
488, 2017/06/06 13:00:35, 0.2
489, 2017/06/06 13:00:45, 0.2
490, 2017/06/06 13:00:55, 0.2
491, 2017/06/06 13:01:05, 0.2
492, 2017/06/06 13:01:15, 0.2
493, 2017/06/06 13:01:25, 0.2
494, 2017/06/06 13:01:35, 0.2
495, 2017/06/06 13:01:45, 0.2
496, 2017/06/06 13:01:55, 0.2
497, 2017/06/06 13:02:05, 0.2
498, 2017/06/06 13:02:15, 0.2
499, 2017/06/06 13:02:25, 0.2
500, 2017/06/06 13:02:35, 0.2
501, 2017/06/06 13:02:45, 0.2
502, 2017/06/06 13:02:55, 0.2
503, 2017/06/06 13:03:05, 0.2
504, 2017/06/06 13:03:15, 0.2
505, 2017/06/06 13:03:25, 0.2
506, 2017/06/06 13:03:35, 0.2
507, 2017/06/06 13:03:45, 0.2
508, 2017/06/06 13:03:55, 0.2
509, 2017/06/06 13:04:05, 0.2
510, 2017/06/06 13:04:15, 0.2
511, 2017/06/06 13:04:25, 0.2
512, 2017/06/06 13:04:35, 0.2
513, 2017/06/06 13:04:45, 0.2
514, 2017/06/06 13:04:55, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

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515, 2017/06/06 13:05:05, 0.2
516, 2017/06/06 13:05:15, 0.2
517, 2017/06/06 13:05:25, 0.2
518, 2017/06/06 13:05:35, 0.2
519, 2017/06/06 13:05:45, 0.2
520, 2017/06/06 13:05:55, 0.2
521, 2017/06/06 13:06:05, 0.2
522, 2017/06/06 13:06:15, 0.2
523, 2017/06/06 13:06:25, 0.2
524, 2017/06/06 13:06:35, 0.2
525, 2017/06/06 13:06:45, 0.2
526, 2017/06/06 13:06:55, 0.2
527, 2017/06/06 13:07:05, 0.2
528, 2017/06/06 13:07:15, 0.2
Peak, , 0.5
Min, , 0.1
Average, , 0.2

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17/06/06 15:21

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-919025
Unit Firmware Ver	V2.14

Running Mode	Hygiene Mode
Datalog Mode	Manual
Diagnostic Mode	No
Stop Reason	Stop by User

Site ID	RAE00000
User ID	USER0000

Begin	6/6/2017 15:21
End	6/6/2017 16:18
Sample Period(s)	10
Number of Records	342

Sensor	PID(ppm)
Sensor SN	S023030183U3
Measure Type	Avg
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

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Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	6/6/2017 7:16
Peak	N/A
Min	N/A
Average	N/A

****

Datalog
, , PID(ppm)
Index, Date/Time, (Avg)
001, 2017/06/06 15:21:17, 0.2
002, 2017/06/06 15:21:27, 0.2
003, 2017/06/06 15:21:37, 0.3
004, 2017/06/06 15:21:47, 0.3
005, 2017/06/06 15:21:57, 0.2
006, 2017/06/06 15:22:07, 0.2
007, 2017/06/06 15:22:17, 0.2
008, 2017/06/06 15:22:27, 0.2
009, 2017/06/06 15:22:37, 0.2
010, 2017/06/06 15:22:47, 0.2
011, 2017/06/06 15:22:57, 0.4
012, 2017/06/06 15:23:07, 0.3
013, 2017/06/06 15:23:17, 0.2
014, 2017/06/06 15:23:27, 0.2
015, 2017/06/06 15:23:37, 0.2
016, 2017/06/06 15:23:47, 0.2
017, 2017/06/06 15:23:57, 0.2
018, 2017/06/06 15:24:07, 0.2
019, 2017/06/06 15:24:17, 0.2
020, 2017/06/06 15:24:27, 0.2
021, 2017/06/06 15:24:37, 0.2
022, 2017/06/06 15:24:47, 0.2
023, 2017/06/06 15:24:57, 0.2
024, 2017/06/06 15:25:07, 0.2
025, 2017/06/06 15:25:17, 0.2
026, 2017/06/06 15:25:27, 0.3
027, 2017/06/06 15:25:37, 0.2
028, 2017/06/06 15:25:47, 0.2
029, 2017/06/06 15:25:57, 0.2
030, 2017/06/06 15:26:07, 0.2
031, 2017/06/06 15:26:17, 0.2
032, 2017/06/06 15:26:27, 0.2
033, 2017/06/06 15:26:37, 0.3
034, 2017/06/06 15:26:47, 0.3

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

035, 2017/06/06 15:26:57, 0.3
036, 2017/06/06 15:27:07, 0.5
037, 2017/06/06 15:27:17, 0.4
038, 2017/06/06 15:27:27, 0.3
039, 2017/06/06 15:27:37, 0.4
040, 2017/06/06 15:27:47, 0.4
041, 2017/06/06 15:27:57, 0.4
042, 2017/06/06 15:28:07, 0.3
043, 2017/06/06 15:28:17, 0.3
044, 2017/06/06 15:28:27, 0.2
045, 2017/06/06 15:28:37, 0.2
046, 2017/06/06 15:28:47, 0.4
047, 2017/06/06 15:28:57, 0.6
048, 2017/06/06 15:29:07, 0.5
049, 2017/06/06 15:29:17, 0.5
050, 2017/06/06 15:29:27, 0.4
051, 2017/06/06 15:29:37, 0.3
052, 2017/06/06 15:29:47, 0.3
053, 2017/06/06 15:29:57, 0.5
054, 2017/06/06 15:30:07, 0.2
055, 2017/06/06 15:30:17, 0.2
056, 2017/06/06 15:30:27, 0.2
057, 2017/06/06 15:30:37, 0.2
058, 2017/06/06 15:30:47, 0.3
059, 2017/06/06 15:30:57, 0.8
060, 2017/06/06 15:31:07, 0.7
061, 2017/06/06 15:31:17, 0.7
062, 2017/06/06 15:31:27, 0.4
063, 2017/06/06 15:31:37, 0.4
064, 2017/06/06 15:31:47, 0.4
065, 2017/06/06 15:31:57, 0.3
066, 2017/06/06 15:32:07, 0.3
067, 2017/06/06 15:32:17, 0.4
068, 2017/06/06 15:32:27, 0.5
069, 2017/06/06 15:32:37, 0.3
070, 2017/06/06 15:32:47, 0.3
071, 2017/06/06 15:32:57, 0.3
072, 2017/06/06 15:33:07, 0.2
073, 2017/06/06 15:33:17, 0.2
074, 2017/06/06 15:33:27, 0.2
075, 2017/06/06 15:33:37, 0.2
076, 2017/06/06 15:33:47, 0.2
077, 2017/06/06 15:33:57, 0.2
078, 2017/06/06 15:34:07, 0.2
079, 2017/06/06 15:34:17, 0.2
080, 2017/06/06 15:34:27, 0.2
081, 2017/06/06 15:34:37, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

082, 2017/06/06 15:34:47, 0.2
083, 2017/06/06 15:34:57, 0.2
084, 2017/06/06 15:35:07, 0.2
085, 2017/06/06 15:35:17, 0.4
086, 2017/06/06 15:35:27, 0.2
087, 2017/06/06 15:35:37, 0.2
088, 2017/06/06 15:35:47, 0.2
089, 2017/06/06 15:35:57, 0.3
090, 2017/06/06 15:36:07, 0.5
091, 2017/06/06 15:36:17, 0.4
092, 2017/06/06 15:36:27, 0.3
093, 2017/06/06 15:36:37, 0.2
094, 2017/06/06 15:36:47, 0.3
095, 2017/06/06 15:36:57, 0.4
096, 2017/06/06 15:37:07, 0.5
097, 2017/06/06 15:37:17, 0.5
098, 2017/06/06 15:37:27, 0.3
099, 2017/06/06 15:37:37, 0.6
100, 2017/06/06 15:37:47, 0.3
101, 2017/06/06 15:37:57, 0.2
102, 2017/06/06 15:38:07, 0.2
103, 2017/06/06 15:38:17, 0.2
104, 2017/06/06 15:38:27, 0.2
105, 2017/06/06 15:38:37, 0.2
106, 2017/06/06 15:38:47, 0.2
107, 2017/06/06 15:38:57, 0.2
108, 2017/06/06 15:39:07, 0.2
109, 2017/06/06 15:39:17, 0.2
110, 2017/06/06 15:39:27, 0.2
111, 2017/06/06 15:39:37, 0.2
112, 2017/06/06 15:39:47, 0.2
113, 2017/06/06 15:39:57, 0.3
114, 2017/06/06 15:40:07, 0.2
115, 2017/06/06 15:40:17, 0.2
116, 2017/06/06 15:40:27, 0.2
117, 2017/06/06 15:40:37, 0.2
118, 2017/06/06 15:40:47, 0.2
119, 2017/06/06 15:40:57, 0.3
120, 2017/06/06 15:41:07, 0.4
121, 2017/06/06 15:41:17, 0.2
122, 2017/06/06 15:41:27, 0.2
123, 2017/06/06 15:41:37, 0.2
124, 2017/06/06 15:41:47, 0.2
125, 2017/06/06 15:41:57, 0.5
126, 2017/06/06 15:42:07, 0.4
127, 2017/06/06 15:42:17, 0.3
128, 2017/06/06 15:42:27, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

129, 2017/06/06 15:42:37, 0.2
130, 2017/06/06 15:42:47, 0.2
131, 2017/06/06 15:42:57, 0.2
132, 2017/06/06 15:43:07, 0.2
133, 2017/06/06 15:43:17, 0.2
134, 2017/06/06 15:43:27, 0.2
135, 2017/06/06 15:43:37, 0.3
136, 2017/06/06 15:43:47, 0.3
137, 2017/06/06 15:43:57, 0.2
138, 2017/06/06 15:44:07, 0.2
139, 2017/06/06 15:44:17, 0.2
140, 2017/06/06 15:44:27, 0.2
141, 2017/06/06 15:44:37, 0.2
142, 2017/06/06 15:44:47, 0.2
143, 2017/06/06 15:44:57, 0.2
144, 2017/06/06 15:45:07, 0.3
145, 2017/06/06 15:45:17, 0.3
146, 2017/06/06 15:45:27, 0.2
147, 2017/06/06 15:45:37, 0.2
148, 2017/06/06 15:45:47, 0.2
149, 2017/06/06 15:45:57, 0.2
150, 2017/06/06 15:46:07, 0.2
151, 2017/06/06 15:46:17, 0.2
152, 2017/06/06 15:46:27, 0.4
153, 2017/06/06 15:46:37, 0.4
154, 2017/06/06 15:46:47, 0.7
155, 2017/06/06 15:46:57, 0.2
156, 2017/06/06 15:47:07, 0.3
157, 2017/06/06 15:47:17, 0.2
158, 2017/06/06 15:47:27, 0.2
159, 2017/06/06 15:47:37, 0.3
160, 2017/06/06 15:47:47, 0.3
161, 2017/06/06 15:47:57, 0.2
162, 2017/06/06 15:48:07, 0.4
163, 2017/06/06 15:48:17, 0.3
164, 2017/06/06 15:48:27, 0.4
165, 2017/06/06 15:48:37, 0.2
166, 2017/06/06 15:48:47, 0.2
167, 2017/06/06 15:48:57, 0.2
168, 2017/06/06 15:49:07, 0.2
169, 2017/06/06 15:49:17, 0.4
170, 2017/06/06 15:49:27, 0.3
171, 2017/06/06 15:49:37, 0.3
172, 2017/06/06 15:49:47, 0.2
173, 2017/06/06 15:49:57, 0.3
174, 2017/06/06 15:50:07, 0.3
175, 2017/06/06 15:50:17, 0.3

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

176, 2017/06/06 15:50:27, 0.2
177, 2017/06/06 15:50:37, 0.2
178, 2017/06/06 15:50:47, 0.2
179, 2017/06/06 15:50:57, 0.3
180, 2017/06/06 15:51:07, 0.2
181, 2017/06/06 15:51:17, 0.2
182, 2017/06/06 15:51:27, 0.2
183, 2017/06/06 15:51:37, 0.2
184, 2017/06/06 15:51:47, 0.2
185, 2017/06/06 15:51:57, 0.3
186, 2017/06/06 15:52:07, 0.6
187, 2017/06/06 15:52:17, 0.4
188, 2017/06/06 15:52:27, 0.3
189, 2017/06/06 15:52:37, 0.3
190, 2017/06/06 15:52:47, 0.2
191, 2017/06/06 15:52:57, 0.2
192, 2017/06/06 15:53:07, 0.3
193, 2017/06/06 15:53:17, 0.2
194, 2017/06/06 15:53:27, 0.2
195, 2017/06/06 15:53:37, 0.2
196, 2017/06/06 15:53:47, 0.2
197, 2017/06/06 15:53:57, 0.2
198, 2017/06/06 15:54:07, 0.2
199, 2017/06/06 15:54:17, 0.2
200, 2017/06/06 15:54:27, 0.4
201, 2017/06/06 15:54:37, 0.3
202, 2017/06/06 15:54:47, 0.3
203, 2017/06/06 15:54:57, 0.3
204, 2017/06/06 15:55:07, 0.2
205, 2017/06/06 15:55:17, 0.2
206, 2017/06/06 15:55:27, 0.2
207, 2017/06/06 15:55:37, 0.3
208, 2017/06/06 15:55:47, 0.3
209, 2017/06/06 15:55:57, 0.3
210, 2017/06/06 15:56:07, 0.2
211, 2017/06/06 15:56:17, 0.2
212, 2017/06/06 15:56:27, 0.2
213, 2017/06/06 15:56:37, 0.2
214, 2017/06/06 15:56:47, 0.2
215, 2017/06/06 15:56:57, 0.2
216, 2017/06/06 15:57:07, 0.2
217, 2017/06/06 15:57:17, 0.2
218, 2017/06/06 15:57:27, 0.2
219, 2017/06/06 15:57:37, 0.2
220, 2017/06/06 15:57:47, 0.2
221, 2017/06/06 15:57:57, 0.2
222, 2017/06/06 15:58:07, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

223, 2017/06/06 15:58:17, 0.2
224, 2017/06/06 15:58:27, 0.2
225, 2017/06/06 15:58:37, 0.2
226, 2017/06/06 15:58:47, 0.3
227, 2017/06/06 15:58:57, 0.3
228, 2017/06/06 15:59:07, 0.2
229, 2017/06/06 15:59:17, 0.2
230, 2017/06/06 15:59:27, 0.2
231, 2017/06/06 15:59:37, 0.2
232, 2017/06/06 15:59:47, 0.2
233, 2017/06/06 15:59:57, 0.2
234, 2017/06/06 16:00:07, 0.3
235, 2017/06/06 16:00:17, 0.2
236, 2017/06/06 16:00:27, 0.2
237, 2017/06/06 16:00:37, 0.2
238, 2017/06/06 16:00:47, 0.2
239, 2017/06/06 16:00:57, 0.3
240, 2017/06/06 16:01:07, 0.2
241, 2017/06/06 16:01:17, 0.2
242, 2017/06/06 16:01:27, 0.2
243, 2017/06/06 16:01:37, 0.2
244, 2017/06/06 16:01:47, 0.2
245, 2017/06/06 16:01:57, 0.4
246, 2017/06/06 16:02:07, 0.2
247, 2017/06/06 16:02:17, 0.2
248, 2017/06/06 16:02:27, 0.2
249, 2017/06/06 16:02:37, 0.2
250, 2017/06/06 16:02:47, 0.2
251, 2017/06/06 16:02:57, 0.2
252, 2017/06/06 16:03:07, 0.2
253, 2017/06/06 16:03:17, 0.2
254, 2017/06/06 16:03:27, 0.2
255, 2017/06/06 16:03:37, 0.2
256, 2017/06/06 16:03:47, 0.2
257, 2017/06/06 16:03:57, 0.2
258, 2017/06/06 16:04:07, 0.2
259, 2017/06/06 16:04:17, 0.2
260, 2017/06/06 16:04:27, 0.2
261, 2017/06/06 16:04:37, 0.2
262, 2017/06/06 16:04:47, 0.2
263, 2017/06/06 16:04:57, 0.2
264, 2017/06/06 16:05:07, 0.2
265, 2017/06/06 16:05:17, 0.2
266, 2017/06/06 16:05:27, 0.2
267, 2017/06/06 16:05:37, 0.2
268, 2017/06/06 16:05:47, 0.2
269, 2017/06/06 16:05:57, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

270, 2017/06/06 16:06:07, 0.2
271, 2017/06/06 16:06:17, 0.2
272, 2017/06/06 16:06:27, 0.2
273, 2017/06/06 16:06:37, 0.2
274, 2017/06/06 16:06:47, 0.2
275, 2017/06/06 16:06:57, 0.2
276, 2017/06/06 16:07:07, 0.2
277, 2017/06/06 16:07:17, 0.2
278, 2017/06/06 16:07:27, 0.2
279, 2017/06/06 16:07:37, 0.2
280, 2017/06/06 16:07:47, 0.2
281, 2017/06/06 16:07:57, 0.2
282, 2017/06/06 16:08:07, 0.2
283, 2017/06/06 16:08:17, 0.2
284, 2017/06/06 16:08:27, 0.2
285, 2017/06/06 16:08:37, 0.2
286, 2017/06/06 16:08:47, 0.2
287, 2017/06/06 16:08:57, 0.2
288, 2017/06/06 16:09:07, 0.2
289, 2017/06/06 16:09:17, 0.2
290, 2017/06/06 16:09:27, 0.2
291, 2017/06/06 16:09:37, 0.2
292, 2017/06/06 16:09:47, 0.2
293, 2017/06/06 16:09:57, 0.2
294, 2017/06/06 16:10:07, 0.2
295, 2017/06/06 16:10:17, 0.2
296, 2017/06/06 16:10:27, 0.2
297, 2017/06/06 16:10:37, 0.2
298, 2017/06/06 16:10:47, 0.2
299, 2017/06/06 16:10:57, 0.2
300, 2017/06/06 16:11:07, 0.2
301, 2017/06/06 16:11:17, 0.2
302, 2017/06/06 16:11:27, 0.2
303, 2017/06/06 16:11:37, 0.2
304, 2017/06/06 16:11:47, 0.2
305, 2017/06/06 16:11:57, 0.2
306, 2017/06/06 16:12:07, 0.2
307, 2017/06/06 16:12:17, 0.2
308, 2017/06/06 16:12:27, 0.2
309, 2017/06/06 16:12:37, 0.2
310, 2017/06/06 16:12:47, 0.2
311, 2017/06/06 16:12:57, 0.2
312, 2017/06/06 16:13:07, 0.2
313, 2017/06/06 16:13:17, 0.2
314, 2017/06/06 16:13:27, 0.2
315, 2017/06/06 16:13:37, 0.2
316, 2017/06/06 16:13:47, 0.2

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

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317, 2017/06/06 16:13:57, 0.2
318, 2017/06/06 16:14:07, 0.2
319, 2017/06/06 16:14:17, 0.2
320, 2017/06/06 16:14:27, 0.2
321, 2017/06/06 16:14:37, 0.2
322, 2017/06/06 16:14:47, 0.2
323, 2017/06/06 16:14:57, 0.2
324, 2017/06/06 16:15:07, 0.2
325, 2017/06/06 16:15:17, 0.2
326, 2017/06/06 16:15:27, 0.2
327, 2017/06/06 16:15:37, 0.2
328, 2017/06/06 16:15:47, 0.2
329, 2017/06/06 16:15:57, 0.2
330, 2017/06/06 16:16:07, 0.2
331, 2017/06/06 16:16:17, 0.2
332, 2017/06/06 16:16:27, 0.2
333, 2017/06/06 16:16:37, 0.2
334, 2017/06/06 16:16:47, 0.2
335, 2017/06/06 16:16:57, 0.2
336, 2017/06/06 16:17:07, 0.2
337, 2017/06/06 16:17:17, 0.2
338, 2017/06/06 16:17:27, 0.2
339, 2017/06/06 16:17:37, 0.2
340, 2017/06/06 16:17:47, 0.2
341, 2017/06/06 16:17:57, 0.2
342, 2017/06/06 16:18:07, 0.2
Peak, , 0.8
Min, , 0.2
Average, , 0.2

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17/06/07 09:21
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-919025
Unit Firmware Ver	V2.14

Running Mode	Hygiene Mode
Datalog Mode	Manual
Diagnostic Mode	No
Stop Reason	Stop by User

Site ID	RAE00000
User ID	USER0000

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

Begin	6/7/2017 9:21
End	6/7/2017 10:36
Sample Period(s)	10
Number of Records	449
Sensor	PID(ppm)
Sensor SN	S023030183U3
Measure Type	Avg
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	6/7/2017 7:14
Peak	N/A
Min	N/A
Average	N/A

Datalog
, , PID(ppm)
Index, Date/Time, (Avg)
001, 2017/06/07 09:21:47, 0.0
002, 2017/06/07 09:21:57, 0.0
003, 2017/06/07 09:22:07, 0.0
004, 2017/06/07 09:22:17, 0.0
005, 2017/06/07 09:22:27, 0.0
006, 2017/06/07 09:22:37, 0.0
007, 2017/06/07 09:22:47, 0.0
008, 2017/06/07 09:22:57, 0.0
009, 2017/06/07 09:23:07, 0.0
010, 2017/06/07 09:23:17, 0.0
011, 2017/06/07 09:23:27, 0.0
012, 2017/06/07 09:23:37, 0.0
013, 2017/06/07 09:23:47, 0.0
014, 2017/06/07 09:23:57, 0.0
015, 2017/06/07 09:24:07, 0.0
016, 2017/06/07 09:24:17, 0.0
017, 2017/06/07 09:24:27, 0.0
018, 2017/06/07 09:24:37, 0.0
019, 2017/06/07 09:24:47, 0.0
020, 2017/06/07 09:24:57, 0.0
021, 2017/06/07 09:25:07, 0.0
022, 2017/06/07 09:25:17, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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023, 2017/06/07 09:25:27, 0.0
024, 2017/06/07 09:25:37, 0.0
025, 2017/06/07 09:25:47, 0.0
026, 2017/06/07 09:25:57, 0.0
027, 2017/06/07 09:26:07, 0.0
028, 2017/06/07 09:26:17, 0.0
029, 2017/06/07 09:26:27, 0.0
030, 2017/06/07 09:26:37, 0.0
031, 2017/06/07 09:26:47, 0.0
032, 2017/06/07 09:26:57, 0.0
033, 2017/06/07 09:27:07, 0.0
034, 2017/06/07 09:27:17, 0.0
035, 2017/06/07 09:27:27, 0.0
036, 2017/06/07 09:27:37, 0.0
037, 2017/06/07 09:27:47, 0.0
038, 2017/06/07 09:27:57, 0.0
039, 2017/06/07 09:28:07, 0.0
040, 2017/06/07 09:28:17, 0.0
041, 2017/06/07 09:28:27, 0.0
042, 2017/06/07 09:28:37, 0.0
043, 2017/06/07 09:28:47, 0.0
044, 2017/06/07 09:28:57, 0.0
045, 2017/06/07 09:29:07, 0.0
046, 2017/06/07 09:29:17, 0.0
047, 2017/06/07 09:29:27, 0.0
048, 2017/06/07 09:29:37, 0.0
049, 2017/06/07 09:29:47, 0.0
050, 2017/06/07 09:29:57, 0.0
051, 2017/06/07 09:30:07, 0.0
052, 2017/06/07 09:30:17, 0.0
053, 2017/06/07 09:30:27, 0.0
054, 2017/06/07 09:30:37, 0.0
055, 2017/06/07 09:30:47, 0.0
056, 2017/06/07 09:30:57, 0.0
057, 2017/06/07 09:31:07, 0.0
058, 2017/06/07 09:31:17, 0.0
059, 2017/06/07 09:31:27, 0.0
060, 2017/06/07 09:31:37, 0.0
061, 2017/06/07 09:31:47, 0.0
062, 2017/06/07 09:31:57, 0.0
063, 2017/06/07 09:32:07, 0.0
064, 2017/06/07 09:32:17, 0.0
065, 2017/06/07 09:32:27, 0.0
066, 2017/06/07 09:32:37, 0.0
067, 2017/06/07 09:32:47, 0.0
068, 2017/06/07 09:32:57, 0.0
069, 2017/06/07 09:33:07, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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070, 2017/06/07 09:33:17, 0.0
071, 2017/06/07 09:33:27, 0.0
072, 2017/06/07 09:33:37, 0.0
073, 2017/06/07 09:33:47, 0.0
074, 2017/06/07 09:33:57, 0.0
075, 2017/06/07 09:34:07, 0.0
076, 2017/06/07 09:34:17, 0.0
077, 2017/06/07 09:34:27, 0.0
078, 2017/06/07 09:34:37, 0.0
079, 2017/06/07 09:34:47, 0.0
080, 2017/06/07 09:34:57, 0.0
081, 2017/06/07 09:35:07, 0.0
082, 2017/06/07 09:35:17, 0.0
083, 2017/06/07 09:35:27, 0.0
084, 2017/06/07 09:35:37, 0.0
085, 2017/06/07 09:35:47, 0.0
086, 2017/06/07 09:35:57, 0.0
087, 2017/06/07 09:36:07, 0.0
088, 2017/06/07 09:36:17, 0.0
089, 2017/06/07 09:36:27, 0.0
090, 2017/06/07 09:36:37, 0.0
091, 2017/06/07 09:36:47, 0.0
092, 2017/06/07 09:36:57, 0.0
093, 2017/06/07 09:37:07, 0.0
094, 2017/06/07 09:37:17, 0.0
095, 2017/06/07 09:37:27, 0.0
096, 2017/06/07 09:37:37, 0.0
097, 2017/06/07 09:37:47, 0.0
098, 2017/06/07 09:37:57, 0.0
099, 2017/06/07 09:38:07, 0.0
100, 2017/06/07 09:38:17, 0.0
101, 2017/06/07 09:38:27, 0.0
102, 2017/06/07 09:38:37, 0.0
103, 2017/06/07 09:38:47, 0.0
104, 2017/06/07 09:38:57, 0.0
105, 2017/06/07 09:39:07, 0.0
106, 2017/06/07 09:39:17, 0.0
107, 2017/06/07 09:39:27, 0.0
108, 2017/06/07 09:39:37, 0.0
109, 2017/06/07 09:39:47, 0.0
110, 2017/06/07 09:39:57, 0.0
111, 2017/06/07 09:40:07, 0.0
112, 2017/06/07 09:40:17, 0.0
113, 2017/06/07 09:40:27, 0.0
114, 2017/06/07 09:40:37, 0.0
115, 2017/06/07 09:40:47, 0.0
116, 2017/06/07 09:40:57, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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117, 2017/06/07 09:41:07, 0.0
118, 2017/06/07 09:41:17, 0.0
119, 2017/06/07 09:41:27, 0.0
120, 2017/06/07 09:41:37, 0.0
121, 2017/06/07 09:41:47, 0.0
122, 2017/06/07 09:41:57, 0.0
123, 2017/06/07 09:42:07, 0.0
124, 2017/06/07 09:42:17, 0.0
125, 2017/06/07 09:42:27, 0.0
126, 2017/06/07 09:42:37, 0.0
127, 2017/06/07 09:42:47, 0.0
128, 2017/06/07 09:42:57, 0.0
129, 2017/06/07 09:43:07, 0.0
130, 2017/06/07 09:43:17, 0.0
131, 2017/06/07 09:43:27, 0.0
132, 2017/06/07 09:43:37, 0.0
133, 2017/06/07 09:43:47, 0.0
134, 2017/06/07 09:43:57, 0.0
135, 2017/06/07 09:44:07, 0.0
136, 2017/06/07 09:44:17, 0.0
137, 2017/06/07 09:44:27, 0.0
138, 2017/06/07 09:44:37, 0.0
139, 2017/06/07 09:44:47, 0.0
140, 2017/06/07 09:44:57, 0.0
141, 2017/06/07 09:45:07, 0.0
142, 2017/06/07 09:45:17, 0.0
143, 2017/06/07 09:45:27, 0.0
144, 2017/06/07 09:45:37, 0.0
145, 2017/06/07 09:45:47, 0.0
146, 2017/06/07 09:45:57, 0.0
147, 2017/06/07 09:46:07, 0.0
148, 2017/06/07 09:46:17, 0.0
149, 2017/06/07 09:46:27, 0.0
150, 2017/06/07 09:46:37, 0.0
151, 2017/06/07 09:46:47, 0.0
152, 2017/06/07 09:46:57, 0.0
153, 2017/06/07 09:47:07, 0.0
154, 2017/06/07 09:47:17, 0.0
155, 2017/06/07 09:47:27, 0.0
156, 2017/06/07 09:47:37, 0.0
157, 2017/06/07 09:47:47, 0.0
158, 2017/06/07 09:47:57, 0.0
159, 2017/06/07 09:48:07, 0.0
160, 2017/06/07 09:48:17, 0.0
161, 2017/06/07 09:48:27, 0.0
162, 2017/06/07 09:48:37, 0.0
163, 2017/06/07 09:48:47, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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164, 2017/06/07 09:48:57, 0.0
165, 2017/06/07 09:49:07, 0.0
166, 2017/06/07 09:49:17, 0.0
167, 2017/06/07 09:49:27, 0.0
168, 2017/06/07 09:49:37, 0.0
169, 2017/06/07 09:49:47, 0.0
170, 2017/06/07 09:49:57, 0.0
171, 2017/06/07 09:50:07, 0.0
172, 2017/06/07 09:50:17, 0.0
173, 2017/06/07 09:50:27, 0.0
174, 2017/06/07 09:50:37, 0.0
175, 2017/06/07 09:50:47, 0.0
176, 2017/06/07 09:50:57, 0.0
177, 2017/06/07 09:51:07, 0.0
178, 2017/06/07 09:51:17, 0.0
179, 2017/06/07 09:51:27, 0.0
180, 2017/06/07 09:51:37, 0.0
181, 2017/06/07 09:51:47, 0.0
182, 2017/06/07 09:51:57, 0.0
183, 2017/06/07 09:52:07, 0.0
184, 2017/06/07 09:52:17, 0.0
185, 2017/06/07 09:52:27, 0.0
186, 2017/06/07 09:52:37, 0.0
187, 2017/06/07 09:52:47, 0.0
188, 2017/06/07 09:52:57, 0.0
189, 2017/06/07 09:53:07, 0.0
190, 2017/06/07 09:53:17, 0.0
191, 2017/06/07 09:53:27, 0.0
192, 2017/06/07 09:53:37, 0.0
193, 2017/06/07 09:53:47, 0.0
194, 2017/06/07 09:53:57, 0.0
195, 2017/06/07 09:54:07, 0.0
196, 2017/06/07 09:54:17, 0.0
197, 2017/06/07 09:54:27, 0.0
198, 2017/06/07 09:54:37, 0.0
199, 2017/06/07 09:54:47, 0.0
200, 2017/06/07 09:54:57, 0.0
201, 2017/06/07 09:55:07, 0.0
202, 2017/06/07 09:55:17, 0.0
203, 2017/06/07 09:55:27, 0.0
204, 2017/06/07 09:55:37, 0.0
205, 2017/06/07 09:55:47, 0.0
206, 2017/06/07 09:55:57, 0.0
207, 2017/06/07 09:56:07, 0.0
208, 2017/06/07 09:56:17, 0.0
209, 2017/06/07 09:56:27, 0.0
210, 2017/06/07 09:56:37, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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211, 2017/06/07 09:56:47, 0.0
212, 2017/06/07 09:56:57, 0.0
213, 2017/06/07 09:57:07, 0.0
214, 2017/06/07 09:57:17, 0.0
215, 2017/06/07 09:57:27, 0.0
216, 2017/06/07 09:57:37, 0.0
217, 2017/06/07 09:57:47, 0.0
218, 2017/06/07 09:57:57, 0.0
219, 2017/06/07 09:58:07, 0.0
220, 2017/06/07 09:58:17, 0.0
221, 2017/06/07 09:58:27, 0.0
222, 2017/06/07 09:58:37, 0.0
223, 2017/06/07 09:58:47, 0.0
224, 2017/06/07 09:58:57, 0.0
225, 2017/06/07 09:59:07, 0.0
226, 2017/06/07 09:59:17, 0.0
227, 2017/06/07 09:59:27, 0.0
228, 2017/06/07 09:59:37, 0.0
229, 2017/06/07 09:59:47, 0.0
230, 2017/06/07 09:59:57, 0.0
231, 2017/06/07 10:00:07, 0.0
232, 2017/06/07 10:00:17, 0.0
233, 2017/06/07 10:00:27, 0.0
234, 2017/06/07 10:00:37, 0.0
235, 2017/06/07 10:00:47, 0.0
236, 2017/06/07 10:00:57, 0.0
237, 2017/06/07 10:01:07, 0.0
238, 2017/06/07 10:01:17, 0.0
239, 2017/06/07 10:01:27, 0.0
240, 2017/06/07 10:01:37, 0.0
241, 2017/06/07 10:01:47, 0.0
242, 2017/06/07 10:01:57, 0.0
243, 2017/06/07 10:02:07, 0.0
244, 2017/06/07 10:02:17, 0.0
245, 2017/06/07 10:02:27, 0.0
246, 2017/06/07 10:02:37, 0.0
247, 2017/06/07 10:02:47, 0.0
248, 2017/06/07 10:02:57, 0.0
249, 2017/06/07 10:03:07, 0.0
250, 2017/06/07 10:03:17, 0.0
251, 2017/06/07 10:03:27, 0.0
252, 2017/06/07 10:03:37, 0.0
253, 2017/06/07 10:03:47, 0.0
254, 2017/06/07 10:03:57, 0.0
255, 2017/06/07 10:04:07, 0.0
256, 2017/06/07 10:04:17, 0.0
257, 2017/06/07 10:04:27, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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258, 2017/06/07 10:04:37, 0.0
259, 2017/06/07 10:04:47, 0.0
260, 2017/06/07 10:04:57, 0.0
261, 2017/06/07 10:05:07, 0.0
262, 2017/06/07 10:05:17, 0.0
263, 2017/06/07 10:05:27, 0.0
264, 2017/06/07 10:05:37, 0.0
265, 2017/06/07 10:05:47, 0.0
266, 2017/06/07 10:05:57, 0.0
267, 2017/06/07 10:06:07, 0.0
268, 2017/06/07 10:06:17, 0.0
269, 2017/06/07 10:06:27, 0.0
270, 2017/06/07 10:06:37, 0.0
271, 2017/06/07 10:06:47, 0.0
272, 2017/06/07 10:06:57, 0.0
273, 2017/06/07 10:07:07, 0.0
274, 2017/06/07 10:07:17, 0.0
275, 2017/06/07 10:07:27, 0.0
276, 2017/06/07 10:07:37, 0.0
277, 2017/06/07 10:07:47, 0.0
278, 2017/06/07 10:07:57, 0.0
279, 2017/06/07 10:08:07, 0.0
280, 2017/06/07 10:08:17, 0.0
281, 2017/06/07 10:08:27, 0.0
282, 2017/06/07 10:08:37, 0.0
283, 2017/06/07 10:08:47, 0.0
284, 2017/06/07 10:08:57, 0.0
285, 2017/06/07 10:09:07, 0.0
286, 2017/06/07 10:09:17, 0.0
287, 2017/06/07 10:09:27, 0.0
288, 2017/06/07 10:09:37, 0.0
289, 2017/06/07 10:09:47, 0.0
290, 2017/06/07 10:09:57, 0.0
291, 2017/06/07 10:10:07, 0.0
292, 2017/06/07 10:10:17, 0.0
293, 2017/06/07 10:10:27, 0.0
294, 2017/06/07 10:10:37, 0.0
295, 2017/06/07 10:10:47, 0.0
296, 2017/06/07 10:10:57, 0.0
297, 2017/06/07 10:11:07, 0.0
298, 2017/06/07 10:11:17, 0.0
299, 2017/06/07 10:11:27, 0.0
300, 2017/06/07 10:11:37, 0.0
301, 2017/06/07 10:11:47, 0.0
302, 2017/06/07 10:11:57, 0.0
303, 2017/06/07 10:12:07, 0.0
304, 2017/06/07 10:12:17, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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305, 2017/06/07 10:12:27, 0.0
306, 2017/06/07 10:12:37, 0.0
307, 2017/06/07 10:12:47, 0.0
308, 2017/06/07 10:12:57, 0.0
309, 2017/06/07 10:13:07, 0.0
310, 2017/06/07 10:13:17, 0.0
311, 2017/06/07 10:13:27, 0.0
312, 2017/06/07 10:13:37, 0.0
313, 2017/06/07 10:13:47, 0.0
314, 2017/06/07 10:13:57, 0.0
315, 2017/06/07 10:14:07, 0.0
316, 2017/06/07 10:14:17, 0.0
317, 2017/06/07 10:14:27, 0.0
318, 2017/06/07 10:14:37, 0.0
319, 2017/06/07 10:14:47, 0.0
320, 2017/06/07 10:14:57, 0.0
321, 2017/06/07 10:15:07, 0.0
322, 2017/06/07 10:15:17, 0.0
323, 2017/06/07 10:15:27, 0.0
324, 2017/06/07 10:15:37, 0.0
325, 2017/06/07 10:15:47, 0.0
326, 2017/06/07 10:15:57, 0.0
327, 2017/06/07 10:16:07, 0.0
328, 2017/06/07 10:16:17, 0.0
329, 2017/06/07 10:16:27, 0.0
330, 2017/06/07 10:16:37, 0.0
331, 2017/06/07 10:16:47, 0.0
332, 2017/06/07 10:16:57, 0.0
333, 2017/06/07 10:17:07, 0.0
334, 2017/06/07 10:17:17, 0.0
335, 2017/06/07 10:17:27, 0.0
336, 2017/06/07 10:17:37, 0.0
337, 2017/06/07 10:17:47, 0.0
338, 2017/06/07 10:17:57, 0.0
339, 2017/06/07 10:18:07, 0.0
340, 2017/06/07 10:18:17, 0.0
341, 2017/06/07 10:18:27, 0.0
342, 2017/06/07 10:18:37, 0.0
343, 2017/06/07 10:18:47, 0.0
344, 2017/06/07 10:18:57, 0.0
345, 2017/06/07 10:19:07, 0.0
346, 2017/06/07 10:19:17, 0.0
347, 2017/06/07 10:19:27, 0.0
348, 2017/06/07 10:19:37, 0.0
349, 2017/06/07 10:19:47, 0.0
350, 2017/06/07 10:19:57, 0.0
351, 2017/06/07 10:20:07, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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352, 2017/06/07 10:20:17, 0.0
353, 2017/06/07 10:20:27, 0.0
354, 2017/06/07 10:20:37, 0.0
355, 2017/06/07 10:20:47, 0.0
356, 2017/06/07 10:20:57, 0.0
357, 2017/06/07 10:21:07, 0.0
358, 2017/06/07 10:21:17, 0.0
359, 2017/06/07 10:21:27, 0.0
360, 2017/06/07 10:21:37, 0.0
361, 2017/06/07 10:21:47, 0.0
362, 2017/06/07 10:21:57, 0.0
363, 2017/06/07 10:22:07, 0.0
364, 2017/06/07 10:22:17, 0.0
365, 2017/06/07 10:22:27, 0.0
366, 2017/06/07 10:22:37, 0.0
367, 2017/06/07 10:22:47, 0.0
368, 2017/06/07 10:22:57, 0.0
369, 2017/06/07 10:23:07, 0.0
370, 2017/06/07 10:23:17, 0.0
371, 2017/06/07 10:23:27, 0.0
372, 2017/06/07 10:23:37, 0.0
373, 2017/06/07 10:23:47, 0.0
374, 2017/06/07 10:23:57, 0.0
375, 2017/06/07 10:24:07, 0.0
376, 2017/06/07 10:24:17, 0.0
377, 2017/06/07 10:24:27, 0.0
378, 2017/06/07 10:24:37, 0.0
379, 2017/06/07 10:24:47, 0.0
380, 2017/06/07 10:24:57, 0.0
381, 2017/06/07 10:25:07, 0.0
382, 2017/06/07 10:25:17, 0.0
383, 2017/06/07 10:25:27, 0.0
384, 2017/06/07 10:25:37, 0.0
385, 2017/06/07 10:25:47, 0.0
386, 2017/06/07 10:25:57, 0.0
387, 2017/06/07 10:26:07, 0.0
388, 2017/06/07 10:26:17, 0.0
389, 2017/06/07 10:26:27, 0.0
390, 2017/06/07 10:26:37, 0.0
391, 2017/06/07 10:26:47, 0.0
392, 2017/06/07 10:26:57, 0.0
393, 2017/06/07 10:27:07, 0.0
394, 2017/06/07 10:27:17, 0.0
395, 2017/06/07 10:27:27, 0.0
396, 2017/06/07 10:27:37, 0.0
397, 2017/06/07 10:27:47, 0.0
398, 2017/06/07 10:27:57, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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399, 2017/06/07 10:28:07, 0.0
400, 2017/06/07 10:28:17, 0.0
401, 2017/06/07 10:28:27, 0.0
402, 2017/06/07 10:28:37, 0.0
403, 2017/06/07 10:28:47, 0.0
404, 2017/06/07 10:28:57, 0.0
405, 2017/06/07 10:29:07, 0.0
406, 2017/06/07 10:29:17, 0.0
407, 2017/06/07 10:29:27, 0.0
408, 2017/06/07 10:29:37, 0.0
409, 2017/06/07 10:29:47, 0.0
410, 2017/06/07 10:29:57, 0.0
411, 2017/06/07 10:30:07, 0.0
412, 2017/06/07 10:30:17, 0.0
413, 2017/06/07 10:30:27, 0.0
414, 2017/06/07 10:30:37, 0.0
415, 2017/06/07 10:30:47, 0.0
416, 2017/06/07 10:30:57, 0.0
417, 2017/06/07 10:31:07, 0.0
418, 2017/06/07 10:31:17, 0.0
419, 2017/06/07 10:31:27, 0.0
420, 2017/06/07 10:31:37, 0.0
421, 2017/06/07 10:31:47, 0.0
422, 2017/06/07 10:31:57, 0.0
423, 2017/06/07 10:32:07, 0.0
424, 2017/06/07 10:32:17, 0.0
425, 2017/06/07 10:32:27, 0.0
426, 2017/06/07 10:32:37, 0.0
427, 2017/06/07 10:32:47, 0.0
428, 2017/06/07 10:32:57, 0.0
429, 2017/06/07 10:33:07, 0.0
430, 2017/06/07 10:33:17, 0.0
431, 2017/06/07 10:33:27, 0.0
432, 2017/06/07 10:33:37, 0.0
433, 2017/06/07 10:33:47, 0.0
434, 2017/06/07 10:33:57, 0.0
435, 2017/06/07 10:34:07, 0.0
436, 2017/06/07 10:34:17, 0.0
437, 2017/06/07 10:34:27, 0.0
438, 2017/06/07 10:34:37, 0.0
439, 2017/06/07 10:34:47, 0.0
440, 2017/06/07 10:34:57, 0.0
441, 2017/06/07 10:35:07, 0.0
442, 2017/06/07 10:35:17, 0.0
443, 2017/06/07 10:35:27, 0.0
444, 2017/06/07 10:35:37, 0.0
445, 2017/06/07 10:35:47, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

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446, 2017/06/07 10:35:57, 0.0
447, 2017/06/07 10:36:07, 0.0
448, 2017/06/07 10:36:17, 0.0
449, 2017/06/07 10:36:27, 0.0
Peak, , 0.0
Min, , 0.0
Average, , 0.0

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17/06/07 12:06

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-919025
Unit Firmware Ver	V2.14
Running Mode	Hygiene Mode
Datalog Mode	Manual
Diagnostic Mode	No
Stop Reason	Stop by User
Site ID	RAE00000
User ID	USER0000
Begin	6/7/2017 12:06
End	6/7/2017 14:15
Sample Period(s)	10
Number of Records	776
Sensor	PID(ppm)
Sensor SN	S023030183U3
Measure Type	Avg
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	6/7/2017 7:14
Peak	N/A
Min	N/A
Average	N/A

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Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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Datalog
, , PID(ppm)
Index, Date/Time, (Avg)
001, 2017/06/07 12:06:26, 0.2
002, 2017/06/07 12:06:36, 0.2
003, 2017/06/07 12:06:46, 0.2
004, 2017/06/07 12:06:56, 0.2
005, 2017/06/07 12:07:06, 0.2
006, 2017/06/07 12:07:16, 0.2
007, 2017/06/07 12:07:26, 0.2
008, 2017/06/07 12:07:36, 0.2
009, 2017/06/07 12:07:46, 0.1
010, 2017/06/07 12:07:56, 0.1
011, 2017/06/07 12:08:06, 0.2
012, 2017/06/07 12:08:16, 0.2
013, 2017/06/07 12:08:26, 0.1
014, 2017/06/07 12:08:36, 0.2
015, 2017/06/07 12:08:46, 0.2
016, 2017/06/07 12:08:56, 0.1
017, 2017/06/07 12:09:06, 0.2
018, 2017/06/07 12:09:16, 0.1
019, 2017/06/07 12:09:26, 0.1
020, 2017/06/07 12:09:36, 0.1
021, 2017/06/07 12:09:46, 0.1
022, 2017/06/07 12:09:56, 0.1
023, 2017/06/07 12:10:06, 0.1
024, 2017/06/07 12:10:16, 0.1
025, 2017/06/07 12:10:26, 0.1
026, 2017/06/07 12:10:36, 0.1
027, 2017/06/07 12:10:46, 0.2
028, 2017/06/07 12:10:56, 0.2
029, 2017/06/07 12:11:06, 0.2
030, 2017/06/07 12:11:16, 0.2
031, 2017/06/07 12:11:26, 0.2
032, 2017/06/07 12:11:36, 0.1
033, 2017/06/07 12:11:46, 0.1
034, 2017/06/07 12:11:56, 0.1
035, 2017/06/07 12:12:06, 0.2
036, 2017/06/07 12:12:16, 0.1
037, 2017/06/07 12:12:26, 0.2
038, 2017/06/07 12:12:36, 0.2
039, 2017/06/07 12:12:46, 0.1
040, 2017/06/07 12:12:56, 0.1
041, 2017/06/07 12:13:06, 0.1
042, 2017/06/07 12:13:16, 0.1
043, 2017/06/07 12:13:26, 0.1
044, 2017/06/07 12:13:36, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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045, 2017/06/07 12:13:46, 0.1
046, 2017/06/07 12:13:56, 0.1
047, 2017/06/07 12:14:06, 0.1
048, 2017/06/07 12:14:16, 0.1
049, 2017/06/07 12:14:26, 0.1
050, 2017/06/07 12:14:36, 0.1
051, 2017/06/07 12:14:46, 0.1
052, 2017/06/07 12:14:56, 0.1
053, 2017/06/07 12:15:06, 0.1
054, 2017/06/07 12:15:16, 0.1
055, 2017/06/07 12:15:26, 0.1
056, 2017/06/07 12:15:36, 0.1
057, 2017/06/07 12:15:46, 0.1
058, 2017/06/07 12:15:56, 0.1
059, 2017/06/07 12:16:06, 0.1
060, 2017/06/07 12:16:16, 0.1
061, 2017/06/07 12:16:26, 0.1
062, 2017/06/07 12:16:36, 0.1
063, 2017/06/07 12:16:46, 0.1
064, 2017/06/07 12:16:56, 0.1
065, 2017/06/07 12:17:06, 0.1
066, 2017/06/07 12:17:16, 0.1
067, 2017/06/07 12:17:26, 0.1
068, 2017/06/07 12:17:36, 0.1
069, 2017/06/07 12:17:46, 0.1
070, 2017/06/07 12:17:56, 0.1
071, 2017/06/07 12:18:06, 0.1
072, 2017/06/07 12:18:16, 0.1
073, 2017/06/07 12:18:26, 0.1
074, 2017/06/07 12:18:36, 0.1
075, 2017/06/07 12:18:46, 0.1
076, 2017/06/07 12:18:56, 0.1
077, 2017/06/07 12:19:06, 0.1
078, 2017/06/07 12:19:16, 0.1
079, 2017/06/07 12:19:26, 0.1
080, 2017/06/07 12:19:36, 0.1
081, 2017/06/07 12:19:46, 0.1
082, 2017/06/07 12:19:56, 0.1
083, 2017/06/07 12:20:06, 0.1
084, 2017/06/07 12:20:16, 0.1
085, 2017/06/07 12:20:26, 0.1
086, 2017/06/07 12:20:36, 0.1
087, 2017/06/07 12:20:46, 0.1
088, 2017/06/07 12:20:56, 0.1
089, 2017/06/07 12:21:06, 0.0
090, 2017/06/07 12:21:16, 0.1
091, 2017/06/07 12:21:26, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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092, 2017/06/07 12:21:36, 0.0
093, 2017/06/07 12:21:46, 0.0
094, 2017/06/07 12:21:56, 0.0
095, 2017/06/07 12:22:06, 0.0
096, 2017/06/07 12:22:16, 0.0
097, 2017/06/07 12:22:26, 0.0
098, 2017/06/07 12:22:36, 0.0
099, 2017/06/07 12:22:46, 0.0
100, 2017/06/07 12:22:56, 0.0
101, 2017/06/07 12:23:06, 0.0
102, 2017/06/07 12:23:16, 0.0
103, 2017/06/07 12:23:26, 0.0
104, 2017/06/07 12:23:36, 0.1
105, 2017/06/07 12:23:46, 0.0
106, 2017/06/07 12:23:56, 0.0
107, 2017/06/07 12:24:06, 0.1
108, 2017/06/07 12:24:16, 0.1
109, 2017/06/07 12:24:26, 0.1
110, 2017/06/07 12:24:36, 0.1
111, 2017/06/07 12:24:46, 0.1
112, 2017/06/07 12:24:56, 0.1
113, 2017/06/07 12:25:06, 0.0
114, 2017/06/07 12:25:16, 0.0
115, 2017/06/07 12:25:26, 0.0
116, 2017/06/07 12:25:36, 0.0
117, 2017/06/07 12:25:46, 0.0
118, 2017/06/07 12:25:56, 0.0
119, 2017/06/07 12:26:06, 0.0
120, 2017/06/07 12:26:16, 0.0
121, 2017/06/07 12:26:26, 0.0
122, 2017/06/07 12:26:36, 0.0
123, 2017/06/07 12:26:46, 0.0
124, 2017/06/07 12:26:56, 0.0
125, 2017/06/07 12:27:06, 0.0
126, 2017/06/07 12:27:16, 0.0
127, 2017/06/07 12:27:26, 0.0
128, 2017/06/07 12:27:36, 0.0
129, 2017/06/07 12:27:46, 0.0
130, 2017/06/07 12:27:56, 0.0
131, 2017/06/07 12:28:06, 0.0
132, 2017/06/07 12:28:16, 0.0
133, 2017/06/07 12:28:26, 0.0
134, 2017/06/07 12:28:36, 0.0
135, 2017/06/07 12:28:46, 0.0
136, 2017/06/07 12:28:56, 0.0
137, 2017/06/07 12:29:06, 0.0
138, 2017/06/07 12:29:16, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

139, 2017/06/07 12:29:26, 0.0
140, 2017/06/07 12:29:36, 0.0
141, 2017/06/07 12:29:46, 0.0
142, 2017/06/07 12:29:56, 0.0
143, 2017/06/07 12:30:06, 0.0
144, 2017/06/07 12:30:16, 0.0
145, 2017/06/07 12:30:26, 0.0
146, 2017/06/07 12:30:36, 0.0
147, 2017/06/07 12:30:46, 0.0
148, 2017/06/07 12:30:56, 0.0
149, 2017/06/07 12:31:06, 0.0
150, 2017/06/07 12:31:16, 0.0
151, 2017/06/07 12:31:26, 0.0
152, 2017/06/07 12:31:36, 0.0
153, 2017/06/07 12:31:46, 0.0
154, 2017/06/07 12:31:56, 0.0
155, 2017/06/07 12:32:06, 0.0
156, 2017/06/07 12:32:16, 0.0
157, 2017/06/07 12:32:26, 0.0
158, 2017/06/07 12:32:36, 0.0
159, 2017/06/07 12:32:46, 0.0
160, 2017/06/07 12:32:56, 0.0
161, 2017/06/07 12:33:06, 0.0
162, 2017/06/07 12:33:16, 0.0
163, 2017/06/07 12:33:26, 0.0
164, 2017/06/07 12:33:36, 0.0
165, 2017/06/07 12:33:46, 0.0
166, 2017/06/07 12:33:56, 0.0
167, 2017/06/07 12:34:06, 0.0
168, 2017/06/07 12:34:16, 0.0
169, 2017/06/07 12:34:26, 0.0
170, 2017/06/07 12:34:36, 0.0
171, 2017/06/07 12:34:46, 0.0
172, 2017/06/07 12:34:56, 0.0
173, 2017/06/07 12:35:06, 0.0
174, 2017/06/07 12:35:16, 0.0
175, 2017/06/07 12:35:26, 0.0
176, 2017/06/07 12:35:36, 0.0
177, 2017/06/07 12:35:46, 0.0
178, 2017/06/07 12:35:56, 0.0
179, 2017/06/07 12:36:06, 0.0
180, 2017/06/07 12:36:16, 0.0
181, 2017/06/07 12:36:26, 0.0
182, 2017/06/07 12:36:36, 0.0
183, 2017/06/07 12:36:46, 0.0
184, 2017/06/07 12:36:56, 0.0
185, 2017/06/07 12:37:06, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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186, 2017/06/07 12:37:16, 0.0
187, 2017/06/07 12:37:26, 0.0
188, 2017/06/07 12:37:36, 0.0
189, 2017/06/07 12:37:46, 0.0
190, 2017/06/07 12:37:56, 0.0
191, 2017/06/07 12:38:06, 0.0
192, 2017/06/07 12:38:16, 0.0
193, 2017/06/07 12:38:26, 0.0
194, 2017/06/07 12:38:36, 0.0
195, 2017/06/07 12:38:46, 0.0
196, 2017/06/07 12:38:56, 0.0
197, 2017/06/07 12:39:06, 0.0
198, 2017/06/07 12:39:16, 0.0
199, 2017/06/07 12:39:26, 0.0
200, 2017/06/07 12:39:36, 0.0
201, 2017/06/07 12:39:46, 0.0
202, 2017/06/07 12:39:56, 0.0
203, 2017/06/07 12:40:06, 0.0
204, 2017/06/07 12:40:16, 0.0
205, 2017/06/07 12:40:26, 0.0
206, 2017/06/07 12:40:36, 0.0
207, 2017/06/07 12:40:46, 0.0
208, 2017/06/07 12:40:56, 0.0
209, 2017/06/07 12:41:06, 0.0
210, 2017/06/07 12:41:16, 0.0
211, 2017/06/07 12:41:26, 0.0
212, 2017/06/07 12:41:36, 0.0
213, 2017/06/07 12:41:46, 0.0
214, 2017/06/07 12:41:56, 0.0
215, 2017/06/07 12:42:06, 0.0
216, 2017/06/07 12:42:16, 0.0
217, 2017/06/07 12:42:26, 0.0
218, 2017/06/07 12:42:36, 0.0
219, 2017/06/07 12:42:46, 0.0
220, 2017/06/07 12:42:56, 0.0
221, 2017/06/07 12:43:06, 0.0
222, 2017/06/07 12:43:16, 0.0
223, 2017/06/07 12:43:26, 0.0
224, 2017/06/07 12:43:36, 0.0
225, 2017/06/07 12:43:46, 0.0
226, 2017/06/07 12:43:56, 0.0
227, 2017/06/07 12:44:06, 0.0
228, 2017/06/07 12:44:16, 0.0
229, 2017/06/07 12:44:26, 0.0
230, 2017/06/07 12:44:36, 0.0
231, 2017/06/07 12:44:46, 0.0
232, 2017/06/07 12:44:56, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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233, 2017/06/07 12:45:06, 0.0
234, 2017/06/07 12:45:16, 0.0
235, 2017/06/07 12:45:26, 0.0
236, 2017/06/07 12:45:36, 0.0
237, 2017/06/07 12:45:46, 0.0
238, 2017/06/07 12:45:56, 0.0
239, 2017/06/07 12:46:06, 0.0
240, 2017/06/07 12:46:16, 0.0
241, 2017/06/07 12:46:26, 0.0
242, 2017/06/07 12:46:36, 0.0
243, 2017/06/07 12:46:46, 0.0
244, 2017/06/07 12:46:56, 0.0
245, 2017/06/07 12:47:06, 0.0
246, 2017/06/07 12:47:16, 0.0
247, 2017/06/07 12:47:26, 0.0
248, 2017/06/07 12:47:36, 0.0
249, 2017/06/07 12:47:46, 0.0
250, 2017/06/07 12:47:56, 0.0
251, 2017/06/07 12:48:06, 0.0
252, 2017/06/07 12:48:16, 0.0
253, 2017/06/07 12:48:26, 0.0
254, 2017/06/07 12:48:36, 0.0
255, 2017/06/07 12:48:46, 0.0
256, 2017/06/07 12:48:56, 0.0
257, 2017/06/07 12:49:06, 0.0
258, 2017/06/07 12:49:16, 0.0
259, 2017/06/07 12:49:26, 0.0
260, 2017/06/07 12:49:36, 0.0
261, 2017/06/07 12:49:46, 0.0
262, 2017/06/07 12:49:56, 0.0
263, 2017/06/07 12:50:06, 0.0
264, 2017/06/07 12:50:16, 0.0
265, 2017/06/07 12:50:26, 0.0
266, 2017/06/07 12:50:36, 0.0
267, 2017/06/07 12:50:46, 0.0
268, 2017/06/07 12:50:56, 0.0
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270, 2017/06/07 12:51:16, 0.0
271, 2017/06/07 12:51:26, 0.0
272, 2017/06/07 12:51:36, 0.0
273, 2017/06/07 12:51:46, 0.0
274, 2017/06/07 12:51:56, 0.0
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276, 2017/06/07 12:52:16, 0.0
277, 2017/06/07 12:52:26, 0.0
278, 2017/06/07 12:52:36, 0.0
279, 2017/06/07 12:52:46, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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280, 2017/06/07 12:52:56, 0.0
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283, 2017/06/07 12:53:26, 0.0
284, 2017/06/07 12:53:36, 0.0
285, 2017/06/07 12:53:46, 0.0
286, 2017/06/07 12:53:56, 0.0
287, 2017/06/07 12:54:06, 0.0
288, 2017/06/07 12:54:16, 0.0
289, 2017/06/07 12:54:26, 0.0
290, 2017/06/07 12:54:36, 0.0
291, 2017/06/07 12:54:46, 0.0
292, 2017/06/07 12:54:56, 0.0
293, 2017/06/07 12:55:06, 0.0
294, 2017/06/07 12:55:16, 0.0
295, 2017/06/07 12:55:26, 0.0
296, 2017/06/07 12:55:36, 0.0
297, 2017/06/07 12:55:46, 0.0
298, 2017/06/07 12:55:56, 0.0
299, 2017/06/07 12:56:06, 0.0
300, 2017/06/07 12:56:16, 0.0
301, 2017/06/07 12:56:26, 0.0
302, 2017/06/07 12:56:36, 0.0
303, 2017/06/07 12:56:46, 0.0
304, 2017/06/07 12:56:56, 0.0
305, 2017/06/07 12:57:06, 0.0
306, 2017/06/07 12:57:16, 0.0
307, 2017/06/07 12:57:26, 0.0
308, 2017/06/07 12:57:36, 0.0
309, 2017/06/07 12:57:46, 0.0
310, 2017/06/07 12:57:56, 0.0
311, 2017/06/07 12:58:06, 0.0
312, 2017/06/07 12:58:16, 0.0
313, 2017/06/07 12:58:26, 0.0
314, 2017/06/07 12:58:36, 0.0
315, 2017/06/07 12:58:46, 0.0
316, 2017/06/07 12:58:56, 0.0
317, 2017/06/07 12:59:06, 0.0
318, 2017/06/07 12:59:16, 0.0
319, 2017/06/07 12:59:26, 0.0
320, 2017/06/07 12:59:36, 0.0
321, 2017/06/07 12:59:46, 0.0
322, 2017/06/07 12:59:56, 0.0
323, 2017/06/07 13:00:06, 0.0
324, 2017/06/07 13:00:16, 0.0
325, 2017/06/07 13:00:26, 0.0
326, 2017/06/07 13:00:36, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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327, 2017/06/07 13:00:46, 0.0
328, 2017/06/07 13:00:56, 0.0
329, 2017/06/07 13:01:06, 0.0
330, 2017/06/07 13:01:16, 0.0
331, 2017/06/07 13:01:26, 0.0
332, 2017/06/07 13:01:36, 0.0
333, 2017/06/07 13:01:46, 0.0
334, 2017/06/07 13:01:56, 0.0
335, 2017/06/07 13:02:06, 0.0
336, 2017/06/07 13:02:16, 0.0
337, 2017/06/07 13:02:26, 0.0
338, 2017/06/07 13:02:36, 0.0
339, 2017/06/07 13:02:46, 0.0
340, 2017/06/07 13:02:56, 0.0
341, 2017/06/07 13:03:06, 0.0
342, 2017/06/07 13:03:16, 0.0
343, 2017/06/07 13:03:26, 0.0
344, 2017/06/07 13:03:36, 0.0
345, 2017/06/07 13:03:46, 0.0
346, 2017/06/07 13:03:56, 0.0
347, 2017/06/07 13:04:06, 0.0
348, 2017/06/07 13:04:16, 0.0
349, 2017/06/07 13:04:26, 0.0
350, 2017/06/07 13:04:36, 0.0
351, 2017/06/07 13:04:46, 0.0
352, 2017/06/07 13:04:56, 0.0
353, 2017/06/07 13:05:06, 0.0
354, 2017/06/07 13:05:16, 0.0
355, 2017/06/07 13:05:26, 0.0
356, 2017/06/07 13:05:36, 0.0
357, 2017/06/07 13:05:46, 0.0
358, 2017/06/07 13:05:56, 0.0
359, 2017/06/07 13:06:06, 0.0
360, 2017/06/07 13:06:16, 0.0
361, 2017/06/07 13:06:26, 0.0
362, 2017/06/07 13:06:36, 0.0
363, 2017/06/07 13:06:46, 0.0
364, 2017/06/07 13:06:56, 0.0
365, 2017/06/07 13:07:06, 0.0
366, 2017/06/07 13:07:16, 0.0
367, 2017/06/07 13:07:26, 0.0
368, 2017/06/07 13:07:36, 0.0
369, 2017/06/07 13:07:46, 0.0
370, 2017/06/07 13:07:56, 0.0
371, 2017/06/07 13:08:06, 0.0
372, 2017/06/07 13:08:16, 0.0
373, 2017/06/07 13:08:26, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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374, 2017/06/07 13:08:36, 0.0
375, 2017/06/07 13:08:46, 0.0
376, 2017/06/07 13:08:56, 0.0
377, 2017/06/07 13:09:06, 0.0
378, 2017/06/07 13:09:16, 0.0
379, 2017/06/07 13:09:26, 0.0
380, 2017/06/07 13:09:36, 0.0
381, 2017/06/07 13:09:46, 0.0
382, 2017/06/07 13:09:56, 0.0
383, 2017/06/07 13:10:06, 0.0
384, 2017/06/07 13:10:16, 0.0
385, 2017/06/07 13:10:26, 0.0
386, 2017/06/07 13:10:36, 0.0
387, 2017/06/07 13:10:46, 0.0
388, 2017/06/07 13:10:56, 0.0
389, 2017/06/07 13:11:06, 0.0
390, 2017/06/07 13:11:16, 0.0
391, 2017/06/07 13:11:26, 0.0
392, 2017/06/07 13:11:36, 0.0
393, 2017/06/07 13:11:46, 0.0
394, 2017/06/07 13:11:56, 0.0
395, 2017/06/07 13:12:06, 0.0
396, 2017/06/07 13:12:16, 0.0
397, 2017/06/07 13:12:26, 0.0
398, 2017/06/07 13:12:36, 0.0
399, 2017/06/07 13:12:46, 0.0
400, 2017/06/07 13:12:56, 0.0
401, 2017/06/07 13:13:06, 0.0
402, 2017/06/07 13:13:16, 0.0
403, 2017/06/07 13:13:26, 0.0
404, 2017/06/07 13:13:36, 0.0
405, 2017/06/07 13:13:46, 0.0
406, 2017/06/07 13:13:56, 0.0
407, 2017/06/07 13:14:06, 0.0
408, 2017/06/07 13:14:16, 0.0
409, 2017/06/07 13:14:26, 0.0
410, 2017/06/07 13:14:36, 0.0
411, 2017/06/07 13:14:46, 0.0
412, 2017/06/07 13:14:56, 0.0
413, 2017/06/07 13:15:06, 0.0
414, 2017/06/07 13:15:16, 0.0
415, 2017/06/07 13:15:26, 0.0
416, 2017/06/07 13:15:36, 0.0
417, 2017/06/07 13:15:46, 0.0
418, 2017/06/07 13:15:56, 0.0
419, 2017/06/07 13:16:06, 0.0
420, 2017/06/07 13:16:16, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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421, 2017/06/07 13:16:26, 0.0
422, 2017/06/07 13:16:36, 0.0
423, 2017/06/07 13:16:46, 0.0
424, 2017/06/07 13:16:56, 0.0
425, 2017/06/07 13:17:06, 0.0
426, 2017/06/07 13:17:16, 0.0
427, 2017/06/07 13:17:26, 0.0
428, 2017/06/07 13:17:36, 0.0
429, 2017/06/07 13:17:46, 0.0
430, 2017/06/07 13:17:56, 0.0
431, 2017/06/07 13:18:06, 0.1
432, 2017/06/07 13:18:16, 0.0
433, 2017/06/07 13:18:26, 0.0
434, 2017/06/07 13:18:36, 0.0
435, 2017/06/07 13:18:46, 0.0
436, 2017/06/07 13:18:56, 0.0
437, 2017/06/07 13:19:06, 0.0
438, 2017/06/07 13:19:16, 0.0
439, 2017/06/07 13:19:26, 0.0
440, 2017/06/07 13:19:36, 0.0
441, 2017/06/07 13:19:46, 0.0
442, 2017/06/07 13:19:56, 0.0
443, 2017/06/07 13:20:06, 0.0
444, 2017/06/07 13:20:16, 0.0
445, 2017/06/07 13:20:26, 0.0
446, 2017/06/07 13:20:36, 0.0
447, 2017/06/07 13:20:46, 0.0
448, 2017/06/07 13:20:56, 0.0
449, 2017/06/07 13:21:06, 0.0
450, 2017/06/07 13:21:16, 0.0
451, 2017/06/07 13:21:26, 0.0
452, 2017/06/07 13:21:36, 0.0
453, 2017/06/07 13:21:46, 0.0
454, 2017/06/07 13:21:56, 0.0
455, 2017/06/07 13:22:06, 0.0
456, 2017/06/07 13:22:16, 0.0
457, 2017/06/07 13:22:26, 0.0
458, 2017/06/07 13:22:36, 0.0
459, 2017/06/07 13:22:46, 0.0
460, 2017/06/07 13:22:56, 0.0
461, 2017/06/07 13:23:06, 0.0
462, 2017/06/07 13:23:16, 0.0
463, 2017/06/07 13:23:26, 0.0
464, 2017/06/07 13:23:36, 0.0
465, 2017/06/07 13:23:46, 0.0
466, 2017/06/07 13:23:56, 0.0
467, 2017/06/07 13:24:06, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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468, 2017/06/07 13:24:16, 0.0
469, 2017/06/07 13:24:26, 0.0
470, 2017/06/07 13:24:36, 0.0
471, 2017/06/07 13:24:46, 0.0
472, 2017/06/07 13:24:56, 0.0
473, 2017/06/07 13:25:06, 0.0
474, 2017/06/07 13:25:16, 0.0
475, 2017/06/07 13:25:26, 0.0
476, 2017/06/07 13:25:36, 0.0
477, 2017/06/07 13:25:46, 0.0
478, 2017/06/07 13:25:56, 0.0
479, 2017/06/07 13:26:06, 0.0
480, 2017/06/07 13:26:16, 0.0
481, 2017/06/07 13:26:26, 0.0
482, 2017/06/07 13:26:36, 0.0
483, 2017/06/07 13:26:46, 0.0
484, 2017/06/07 13:26:56, 0.0
485, 2017/06/07 13:27:06, 0.0
486, 2017/06/07 13:27:16, 0.0
487, 2017/06/07 13:27:26, 0.0
488, 2017/06/07 13:27:36, 0.0
489, 2017/06/07 13:27:46, 0.0
490, 2017/06/07 13:27:56, 0.0
491, 2017/06/07 13:28:06, 0.0
492, 2017/06/07 13:28:16, 0.0
493, 2017/06/07 13:28:26, 0.0
494, 2017/06/07 13:28:36, 0.0
495, 2017/06/07 13:28:46, 0.0
496, 2017/06/07 13:28:56, 0.0
497, 2017/06/07 13:29:06, 0.0
498, 2017/06/07 13:29:16, 0.0
499, 2017/06/07 13:29:26, 0.0
500, 2017/06/07 13:29:36, 0.0
501, 2017/06/07 13:29:46, 0.0
502, 2017/06/07 13:29:56, 0.0
503, 2017/06/07 13:30:06, 0.0
504, 2017/06/07 13:30:16, 0.0
505, 2017/06/07 13:30:26, 0.0
506, 2017/06/07 13:30:36, 0.0
507, 2017/06/07 13:30:46, 0.0
508, 2017/06/07 13:30:56, 0.0
509, 2017/06/07 13:31:06, 0.0
510, 2017/06/07 13:31:16, 0.0
511, 2017/06/07 13:31:26, 0.0
512, 2017/06/07 13:31:36, 0.0
513, 2017/06/07 13:31:46, 0.0
514, 2017/06/07 13:31:56, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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515, 2017/06/07 13:32:06, 0.0
516, 2017/06/07 13:32:16, 0.0
517, 2017/06/07 13:32:26, 0.0
518, 2017/06/07 13:32:36, 0.0
519, 2017/06/07 13:32:46, 0.0
520, 2017/06/07 13:32:56, 0.0
521, 2017/06/07 13:33:06, 0.0
522, 2017/06/07 13:33:16, 0.0
523, 2017/06/07 13:33:26, 0.0
524, 2017/06/07 13:33:36, 0.0
525, 2017/06/07 13:33:46, 0.0
526, 2017/06/07 13:33:56, 0.0
527, 2017/06/07 13:34:06, 0.0
528, 2017/06/07 13:34:16, 0.0
529, 2017/06/07 13:34:26, 0.0
530, 2017/06/07 13:34:36, 0.0
531, 2017/06/07 13:34:46, 0.0
532, 2017/06/07 13:34:56, 0.0
533, 2017/06/07 13:35:06, 0.0
534, 2017/06/07 13:35:16, 0.0
535, 2017/06/07 13:35:26, 0.0
536, 2017/06/07 13:35:36, 0.0
537, 2017/06/07 13:35:46, 0.0
538, 2017/06/07 13:35:56, 0.0
539, 2017/06/07 13:36:06, 0.0
540, 2017/06/07 13:36:16, 0.0
541, 2017/06/07 13:36:26, 0.0
542, 2017/06/07 13:36:36, 0.0
543, 2017/06/07 13:36:46, 0.0
544, 2017/06/07 13:36:56, 0.0
545, 2017/06/07 13:37:06, 0.0
546, 2017/06/07 13:37:16, 0.0
547, 2017/06/07 13:37:26, 0.0
548, 2017/06/07 13:37:36, 0.0
549, 2017/06/07 13:37:46, 0.0
550, 2017/06/07 13:37:56, 0.0
551, 2017/06/07 13:38:06, 0.0
552, 2017/06/07 13:38:16, 0.0
553, 2017/06/07 13:38:26, 0.0
554, 2017/06/07 13:38:36, 0.0
555, 2017/06/07 13:38:46, 0.0
556, 2017/06/07 13:38:56, 0.0
557, 2017/06/07 13:39:06, 0.0
558, 2017/06/07 13:39:16, 0.0
559, 2017/06/07 13:39:26, 0.0
560, 2017/06/07 13:39:36, 0.0
561, 2017/06/07 13:39:46, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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562, 2017/06/07 13:39:56, 0.0
563, 2017/06/07 13:40:06, 0.0
564, 2017/06/07 13:40:16, 0.0
565, 2017/06/07 13:40:26, 0.0
566, 2017/06/07 13:40:36, 0.0
567, 2017/06/07 13:40:46, 0.0
568, 2017/06/07 13:40:56, 0.0
569, 2017/06/07 13:41:06, 0.0
570, 2017/06/07 13:41:16, 0.0
571, 2017/06/07 13:41:26, 0.0
572, 2017/06/07 13:41:36, 0.0
573, 2017/06/07 13:41:46, 0.0
574, 2017/06/07 13:41:56, 0.0
575, 2017/06/07 13:42:06, 0.0
576, 2017/06/07 13:42:16, 0.0
577, 2017/06/07 13:42:26, 0.0
578, 2017/06/07 13:42:36, 0.0
579, 2017/06/07 13:42:46, 0.0
580, 2017/06/07 13:42:56, 0.0
581, 2017/06/07 13:43:06, 0.0
582, 2017/06/07 13:43:16, 0.0
583, 2017/06/07 13:43:26, 0.0
584, 2017/06/07 13:43:36, 0.0
585, 2017/06/07 13:43:46, 0.0
586, 2017/06/07 13:43:56, 0.0
587, 2017/06/07 13:44:06, 0.0
588, 2017/06/07 13:44:16, 0.0
589, 2017/06/07 13:44:26, 0.0
590, 2017/06/07 13:44:36, 0.0
591, 2017/06/07 13:44:46, 0.0
592, 2017/06/07 13:44:56, 0.0
593, 2017/06/07 13:45:06, 0.0
594, 2017/06/07 13:45:16, 0.0
595, 2017/06/07 13:45:26, 0.0
596, 2017/06/07 13:45:36, 0.0
597, 2017/06/07 13:45:46, 0.0
598, 2017/06/07 13:45:56, 0.0
599, 2017/06/07 13:46:06, 0.0
600, 2017/06/07 13:46:16, 0.0
601, 2017/06/07 13:46:26, 0.0
602, 2017/06/07 13:46:36, 0.0
603, 2017/06/07 13:46:46, 0.0
604, 2017/06/07 13:46:56, 0.0
605, 2017/06/07 13:47:06, 0.0
606, 2017/06/07 13:47:16, 0.0
607, 2017/06/07 13:47:26, 0.0
608, 2017/06/07 13:47:36, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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609, 2017/06/07 13:47:46, 0.0
610, 2017/06/07 13:47:56, 0.0
611, 2017/06/07 13:48:06, 0.0
612, 2017/06/07 13:48:16, 0.0
613, 2017/06/07 13:48:26, 0.0
614, 2017/06/07 13:48:36, 0.0
615, 2017/06/07 13:48:46, 0.0
616, 2017/06/07 13:48:56, 0.0
617, 2017/06/07 13:49:06, 0.0
618, 2017/06/07 13:49:16, 0.0
619, 2017/06/07 13:49:26, 0.0
620, 2017/06/07 13:49:36, 0.0
621, 2017/06/07 13:49:46, 0.0
622, 2017/06/07 13:49:56, 0.0
623, 2017/06/07 13:50:06, 0.0
624, 2017/06/07 13:50:16, 0.0
625, 2017/06/07 13:50:26, 0.0
626, 2017/06/07 13:50:36, 0.0
627, 2017/06/07 13:50:46, 0.0
628, 2017/06/07 13:50:56, 0.0
629, 2017/06/07 13:51:06, 0.0
630, 2017/06/07 13:51:16, 0.0
631, 2017/06/07 13:51:26, 0.0
632, 2017/06/07 13:51:36, 0.0
633, 2017/06/07 13:51:46, 0.0
634, 2017/06/07 13:51:56, 0.0
635, 2017/06/07 13:52:06, 0.0
636, 2017/06/07 13:52:16, 0.0
637, 2017/06/07 13:52:26, 0.0
638, 2017/06/07 13:52:36, 0.0
639, 2017/06/07 13:52:46, 0.0
640, 2017/06/07 13:52:56, 0.0
641, 2017/06/07 13:53:06, 0.0
642, 2017/06/07 13:53:16, 0.0
643, 2017/06/07 13:53:26, 0.0
644, 2017/06/07 13:53:36, 0.0
645, 2017/06/07 13:53:46, 0.0
646, 2017/06/07 13:53:56, 0.0
647, 2017/06/07 13:54:06, 0.0
648, 2017/06/07 13:54:16, 0.0
649, 2017/06/07 13:54:26, 0.0
650, 2017/06/07 13:54:36, 0.0
651, 2017/06/07 13:54:46, 0.0
652, 2017/06/07 13:54:56, 0.0
653, 2017/06/07 13:55:06, 0.0
654, 2017/06/07 13:55:16, 0.0
655, 2017/06/07 13:55:26, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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656, 2017/06/07 13:55:36, 0.0
657, 2017/06/07 13:55:46, 0.0
658, 2017/06/07 13:55:56, 0.0
659, 2017/06/07 13:56:06, 0.0
660, 2017/06/07 13:56:16, 0.0
661, 2017/06/07 13:56:26, 0.0
662, 2017/06/07 13:56:36, 0.0
663, 2017/06/07 13:56:46, 0.0
664, 2017/06/07 13:56:56, 0.0
665, 2017/06/07 13:57:06, 0.0
666, 2017/06/07 13:57:16, 0.0
667, 2017/06/07 13:57:26, 0.0
668, 2017/06/07 13:57:36, 0.0
669, 2017/06/07 13:57:46, 0.0
670, 2017/06/07 13:57:56, 0.0
671, 2017/06/07 13:58:06, 0.0
672, 2017/06/07 13:58:16, 0.0
673, 2017/06/07 13:58:26, 0.0
674, 2017/06/07 13:58:36, 0.0
675, 2017/06/07 13:58:46, 0.0
676, 2017/06/07 13:58:56, 0.0
677, 2017/06/07 13:59:06, 0.0
678, 2017/06/07 13:59:16, 0.1
679, 2017/06/07 13:59:26, 0.0
680, 2017/06/07 13:59:36, 0.0
681, 2017/06/07 13:59:46, 0.0
682, 2017/06/07 13:59:56, 0.0
683, 2017/06/07 14:00:06, 0.0
684, 2017/06/07 14:00:16, 0.0
685, 2017/06/07 14:00:26, 0.0
686, 2017/06/07 14:00:36, 0.0
687, 2017/06/07 14:00:46, 0.0
688, 2017/06/07 14:00:56, 0.0
689, 2017/06/07 14:01:06, 0.0
690, 2017/06/07 14:01:16, 0.0
691, 2017/06/07 14:01:26, 0.0
692, 2017/06/07 14:01:36, 0.0
693, 2017/06/07 14:01:46, 0.0
694, 2017/06/07 14:01:56, 0.0
695, 2017/06/07 14:02:06, 0.0
696, 2017/06/07 14:02:16, 0.0
697, 2017/06/07 14:02:26, 0.0
698, 2017/06/07 14:02:36, 0.0
699, 2017/06/07 14:02:46, 0.0
700, 2017/06/07 14:02:56, 0.0
701, 2017/06/07 14:03:06, 0.0
702, 2017/06/07 14:03:16, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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703, 2017/06/07 14:03:26, 0.0
704, 2017/06/07 14:03:36, 0.0
705, 2017/06/07 14:03:46, 0.0
706, 2017/06/07 14:03:56, 0.0
707, 2017/06/07 14:04:06, 0.0
708, 2017/06/07 14:04:16, 0.0
709, 2017/06/07 14:04:26, 0.0
710, 2017/06/07 14:04:36, 0.0
711, 2017/06/07 14:04:46, 0.0
712, 2017/06/07 14:04:56, 0.0
713, 2017/06/07 14:05:06, 0.0
714, 2017/06/07 14:05:16, 0.0
715, 2017/06/07 14:05:26, 0.0
716, 2017/06/07 14:05:36, 0.0
717, 2017/06/07 14:05:46, 0.0
718, 2017/06/07 14:05:56, 0.0
719, 2017/06/07 14:06:06, 0.0
720, 2017/06/07 14:06:16, 0.0
721, 2017/06/07 14:06:26, 0.0
722, 2017/06/07 14:06:36, 0.0
723, 2017/06/07 14:06:46, 0.0
724, 2017/06/07 14:06:56, 0.0
725, 2017/06/07 14:07:06, 0.0
726, 2017/06/07 14:07:16, 0.0
727, 2017/06/07 14:07:26, 0.0
728, 2017/06/07 14:07:36, 0.0
729, 2017/06/07 14:07:46, 0.0
730, 2017/06/07 14:07:56, 0.0
731, 2017/06/07 14:08:06, 0.0
732, 2017/06/07 14:08:16, 0.0
733, 2017/06/07 14:08:26, 0.0
734, 2017/06/07 14:08:36, 0.0
735, 2017/06/07 14:08:46, 0.0
736, 2017/06/07 14:08:56, 0.0
737, 2017/06/07 14:09:06, 0.0
738, 2017/06/07 14:09:16, 0.0
739, 2017/06/07 14:09:26, 0.0
740, 2017/06/07 14:09:36, 0.0
741, 2017/06/07 14:09:46, 0.0
742, 2017/06/07 14:09:56, 0.0
743, 2017/06/07 14:10:06, 0.0
744, 2017/06/07 14:10:16, 0.0
745, 2017/06/07 14:10:26, 0.0
746, 2017/06/07 14:10:36, 0.0
747, 2017/06/07 14:10:46, 0.0
748, 2017/06/07 14:10:56, 0.0
749, 2017/06/07 14:11:06, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

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750, 2017/06/07 14:11:16, 0.0
751, 2017/06/07 14:11:26, 0.0
752, 2017/06/07 14:11:36, 0.0
753, 2017/06/07 14:11:46, 0.0
754, 2017/06/07 14:11:56, 0.0
755, 2017/06/07 14:12:06, 0.0
756, 2017/06/07 14:12:16, 0.0
757, 2017/06/07 14:12:26, 0.0
758, 2017/06/07 14:12:36, 0.0
759, 2017/06/07 14:12:46, 0.0
760, 2017/06/07 14:12:56, 0.0
761, 2017/06/07 14:13:06, 0.0
762, 2017/06/07 14:13:16, 0.0
763, 2017/06/07 14:13:26, 0.0
764, 2017/06/07 14:13:36, 0.0
765, 2017/06/07 14:13:46, 0.0
766, 2017/06/07 14:13:56, 0.0
767, 2017/06/07 14:14:06, 0.0
768, 2017/06/07 14:14:16, 0.0
769, 2017/06/07 14:14:26, 0.0
770, 2017/06/07 14:14:36, 0.0
771, 2017/06/07 14:14:46, 0.0
772, 2017/06/07 14:14:56, 0.0
773, 2017/06/07 14:15:06, 0.0
774, 2017/06/07 14:15:16, 0.0
775, 2017/06/07 14:15:26, 0.0
776, 2017/06/07 14:15:36, 0.0
Peak, , 0.2
Min, , 0.0
Average, , 0.0

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17/06/08 08:18
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-919025
Unit Firmware Ver	V2.14

Running Mode	Hygiene Mode
Datalog Mode	Manual
Diagnostic Mode	No
Stop Reason	Stop by User

Site ID	RAE00000
User ID	USER0000

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

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Begin	6/8/2017 8:18
End	6/8/2017 13:39
Sample Period(s)	10
Number of Records	1930
Sensor	PID(ppm)
Sensor SN	S023030183U3
Measure Type	Avg
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	6/8/2017 8:15
Peak	N/A
Min	N/A
Average	N/A

****

Datalog
, , PID(ppm)
Index, Date/Time, (Avg)
001, 2017/06/08 08:18:25, 0.0
002, 2017/06/08 08:18:35, 0.0
003, 2017/06/08 08:18:45, 0.0
004, 2017/06/08 08:18:55, 0.0
005, 2017/06/08 08:19:05, 0.0
006, 2017/06/08 08:19:15, 0.0
007, 2017/06/08 08:19:25, 0.0
008, 2017/06/08 08:19:35, 0.0
009, 2017/06/08 08:19:45, 0.0
010, 2017/06/08 08:19:55, 0.0
011, 2017/06/08 08:20:05, 0.0
012, 2017/06/08 08:20:15, 0.0
013, 2017/06/08 08:20:25, 0.0
014, 2017/06/08 08:20:35, 0.0
015, 2017/06/08 08:20:45, 0.0
016, 2017/06/08 08:20:55, 0.0
017, 2017/06/08 08:21:05, 0.0
018, 2017/06/08 08:21:15, 0.0
019, 2017/06/08 08:21:25, 0.0
020, 2017/06/08 08:21:35, 0.0
021, 2017/06/08 08:21:45, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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022, 2017/06/08 08:21:55, 0.0
023, 2017/06/08 08:22:05, 0.0
024, 2017/06/08 08:22:15, 0.0
025, 2017/06/08 08:22:25, 0.0
026, 2017/06/08 08:22:35, 0.0
027, 2017/06/08 08:22:45, 0.0
028, 2017/06/08 08:22:55, 0.0
029, 2017/06/08 08:23:05, 0.0
030, 2017/06/08 08:23:15, 0.0
031, 2017/06/08 08:23:25, 0.0
032, 2017/06/08 08:23:35, 0.0
033, 2017/06/08 08:23:45, 0.0
034, 2017/06/08 08:23:55, 0.0
035, 2017/06/08 08:24:05, 0.0
036, 2017/06/08 08:24:15, 0.0
037, 2017/06/08 08:24:25, 0.0
038, 2017/06/08 08:24:35, 0.0
039, 2017/06/08 08:24:45, 0.0
040, 2017/06/08 08:24:55, 0.0
041, 2017/06/08 08:25:05, 0.0
042, 2017/06/08 08:25:15, 0.0
043, 2017/06/08 08:25:25, 0.0
044, 2017/06/08 08:25:35, 0.0
045, 2017/06/08 08:25:45, 0.0
046, 2017/06/08 08:25:55, 0.0
047, 2017/06/08 08:26:05, 0.0
048, 2017/06/08 08:26:15, 0.0
049, 2017/06/08 08:26:25, 0.0
050, 2017/06/08 08:26:35, 0.0
051, 2017/06/08 08:26:45, 0.0
052, 2017/06/08 08:26:55, 0.0
053, 2017/06/08 08:27:05, 0.0
054, 2017/06/08 08:27:15, 0.0
055, 2017/06/08 08:27:25, 0.0
056, 2017/06/08 08:27:35, 0.0
057, 2017/06/08 08:27:45, 0.0
058, 2017/06/08 08:27:55, 0.0
059, 2017/06/08 08:28:05, 0.0
060, 2017/06/08 08:28:15, 0.0
061, 2017/06/08 08:28:25, 0.0
062, 2017/06/08 08:28:35, 0.0
063, 2017/06/08 08:28:45, 0.0
064, 2017/06/08 08:28:55, 0.0
065, 2017/06/08 08:29:05, 0.0
066, 2017/06/08 08:29:15, 0.0
067, 2017/06/08 08:29:25, 0.0
068, 2017/06/08 08:29:35, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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069, 2017/06/08 08:29:45, 0.0
070, 2017/06/08 08:29:55, 0.0
071, 2017/06/08 08:30:05, 0.0
072, 2017/06/08 08:30:15, 0.0
073, 2017/06/08 08:30:25, 0.0
074, 2017/06/08 08:30:35, 0.0
075, 2017/06/08 08:30:45, 0.0
076, 2017/06/08 08:30:55, 0.0
077, 2017/06/08 08:31:05, 0.0
078, 2017/06/08 08:31:15, 0.0
079, 2017/06/08 08:31:25, 0.0
080, 2017/06/08 08:31:35, 0.0
081, 2017/06/08 08:31:45, 0.0
082, 2017/06/08 08:31:55, 0.0
083, 2017/06/08 08:32:05, 0.0
084, 2017/06/08 08:32:15, 0.0
085, 2017/06/08 08:32:25, 0.0
086, 2017/06/08 08:32:35, 0.0
087, 2017/06/08 08:32:45, 0.0
088, 2017/06/08 08:32:55, 0.0
089, 2017/06/08 08:33:05, 0.0
090, 2017/06/08 08:33:15, 0.0
091, 2017/06/08 08:33:25, 0.0
092, 2017/06/08 08:33:35, 0.0
093, 2017/06/08 08:33:45, 0.0
094, 2017/06/08 08:33:55, 0.0
095, 2017/06/08 08:34:05, 0.0
096, 2017/06/08 08:34:15, 0.0
097, 2017/06/08 08:34:25, 0.0
098, 2017/06/08 08:34:35, 0.0
099, 2017/06/08 08:34:45, 0.0
100, 2017/06/08 08:34:55, 0.0
101, 2017/06/08 08:35:05, 0.0
102, 2017/06/08 08:35:15, 0.0
103, 2017/06/08 08:35:25, 0.0
104, 2017/06/08 08:35:35, 0.0
105, 2017/06/08 08:35:45, 0.0
106, 2017/06/08 08:35:55, 0.0
107, 2017/06/08 08:36:05, 0.0
108, 2017/06/08 08:36:15, 0.0
109, 2017/06/08 08:36:25, 0.0
110, 2017/06/08 08:36:35, 0.0
111, 2017/06/08 08:36:45, 0.0
112, 2017/06/08 08:36:55, 0.0
113, 2017/06/08 08:37:05, 0.0
114, 2017/06/08 08:37:15, 0.0
115, 2017/06/08 08:37:25, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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116, 2017/06/08 08:37:35, 0.0
117, 2017/06/08 08:37:45, 0.0
118, 2017/06/08 08:37:55, 0.0
119, 2017/06/08 08:38:05, 0.0
120, 2017/06/08 08:38:15, 0.0
121, 2017/06/08 08:38:25, 0.0
122, 2017/06/08 08:38:35, 0.0
123, 2017/06/08 08:38:45, 0.0
124, 2017/06/08 08:38:55, 0.0
125, 2017/06/08 08:39:05, 0.0
126, 2017/06/08 08:39:15, 0.0
127, 2017/06/08 08:39:25, 0.0
128, 2017/06/08 08:39:35, 0.0
129, 2017/06/08 08:39:45, 0.0
130, 2017/06/08 08:39:55, 0.0
131, 2017/06/08 08:40:05, 0.0
132, 2017/06/08 08:40:15, 0.0
133, 2017/06/08 08:40:25, 0.0
134, 2017/06/08 08:40:35, 0.0
135, 2017/06/08 08:40:45, 0.0
136, 2017/06/08 08:40:55, 0.0
137, 2017/06/08 08:41:05, 0.0
138, 2017/06/08 08:41:15, 0.0
139, 2017/06/08 08:41:25, 0.0
140, 2017/06/08 08:41:35, 0.0
141, 2017/06/08 08:41:45, 0.0
142, 2017/06/08 08:41:55, 0.0
143, 2017/06/08 08:42:05, 0.0
144, 2017/06/08 08:42:15, 0.0
145, 2017/06/08 08:42:25, 0.0
146, 2017/06/08 08:42:35, 0.0
147, 2017/06/08 08:42:45, 0.0
148, 2017/06/08 08:42:55, 0.0
149, 2017/06/08 08:43:05, 0.0
150, 2017/06/08 08:43:15, 0.0
151, 2017/06/08 08:43:25, 0.0
152, 2017/06/08 08:43:35, 0.0
153, 2017/06/08 08:43:45, 0.0
154, 2017/06/08 08:43:55, 0.0
155, 2017/06/08 08:44:05, 0.0
156, 2017/06/08 08:44:15, 0.0
157, 2017/06/08 08:44:25, 0.0
158, 2017/06/08 08:44:35, 0.0
159, 2017/06/08 08:44:45, 0.0
160, 2017/06/08 08:44:55, 0.0
161, 2017/06/08 08:45:05, 0.0
162, 2017/06/08 08:45:15, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

163, 2017/06/08 08:45:25, 0.0
164, 2017/06/08 08:45:35, 0.0
165, 2017/06/08 08:45:45, 0.0
166, 2017/06/08 08:45:55, 0.0
167, 2017/06/08 08:46:05, 0.0
168, 2017/06/08 08:46:15, 0.0
169, 2017/06/08 08:46:25, 0.0
170, 2017/06/08 08:46:35, 0.0
171, 2017/06/08 08:46:45, 0.0
172, 2017/06/08 08:46:55, 0.0
173, 2017/06/08 08:47:05, 0.0
174, 2017/06/08 08:47:15, 0.0
175, 2017/06/08 08:47:25, 0.0
176, 2017/06/08 08:47:35, 0.0
177, 2017/06/08 08:47:45, 0.0
178, 2017/06/08 08:47:55, 0.0
179, 2017/06/08 08:48:05, 0.0
180, 2017/06/08 08:48:15, 0.0
181, 2017/06/08 08:48:25, 0.0
182, 2017/06/08 08:48:35, 0.0
183, 2017/06/08 08:48:45, 0.0
184, 2017/06/08 08:48:55, 0.0
185, 2017/06/08 08:49:05, 0.0
186, 2017/06/08 08:49:15, 0.0
187, 2017/06/08 08:49:25, 0.0
188, 2017/06/08 08:49:35, 0.0
189, 2017/06/08 08:49:45, 0.0
190, 2017/06/08 08:49:55, 0.0
191, 2017/06/08 08:50:05, 0.0
192, 2017/06/08 08:50:15, 0.0
193, 2017/06/08 08:50:25, 0.0
194, 2017/06/08 08:50:35, 0.0
195, 2017/06/08 08:50:45, 0.0
196, 2017/06/08 08:50:55, 0.0
197, 2017/06/08 08:51:05, 0.0
198, 2017/06/08 08:51:15, 0.0
199, 2017/06/08 08:51:25, 0.0
200, 2017/06/08 08:51:35, 0.0
201, 2017/06/08 08:51:45, 0.0
202, 2017/06/08 08:51:55, 0.0
203, 2017/06/08 08:52:05, 0.0
204, 2017/06/08 08:52:15, 0.0
205, 2017/06/08 08:52:25, 0.0
206, 2017/06/08 08:52:35, 0.0
207, 2017/06/08 08:52:45, 0.0
208, 2017/06/08 08:52:55, 0.0
209, 2017/06/08 08:53:05, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

210, 2017/06/08 08:53:15, 0.0
211, 2017/06/08 08:53:25, 0.0
212, 2017/06/08 08:53:35, 0.0
213, 2017/06/08 08:53:45, 0.0
214, 2017/06/08 08:53:55, 0.0
215, 2017/06/08 08:54:05, 0.0
216, 2017/06/08 08:54:15, 0.0
217, 2017/06/08 08:54:25, 0.0
218, 2017/06/08 08:54:35, 0.0
219, 2017/06/08 08:54:45, 0.0
220, 2017/06/08 08:54:55, 0.0
221, 2017/06/08 08:55:05, 0.0
222, 2017/06/08 08:55:15, 0.0
223, 2017/06/08 08:55:25, 0.0
224, 2017/06/08 08:55:35, 0.0
225, 2017/06/08 08:55:45, 0.0
226, 2017/06/08 08:55:55, 0.0
227, 2017/06/08 08:56:05, 0.0
228, 2017/06/08 08:56:15, 0.0
229, 2017/06/08 08:56:25, 0.0
230, 2017/06/08 08:56:35, 0.0
231, 2017/06/08 08:56:45, 0.0
232, 2017/06/08 08:56:55, 0.0
233, 2017/06/08 08:57:05, 0.0
234, 2017/06/08 08:57:15, 0.0
235, 2017/06/08 08:57:25, 0.0
236, 2017/06/08 08:57:35, 0.0
237, 2017/06/08 08:57:45, 0.0
238, 2017/06/08 08:57:55, 0.0
239, 2017/06/08 08:58:05, 0.0
240, 2017/06/08 08:58:15, 0.0
241, 2017/06/08 08:58:25, 0.0
242, 2017/06/08 08:58:35, 0.0
243, 2017/06/08 08:58:45, 0.0
244, 2017/06/08 08:58:55, 0.0
245, 2017/06/08 08:59:05, 0.0
246, 2017/06/08 08:59:15, 0.0
247, 2017/06/08 08:59:25, 0.0
248, 2017/06/08 08:59:35, 0.0
249, 2017/06/08 08:59:45, 0.0
250, 2017/06/08 08:59:55, 0.0
251, 2017/06/08 09:00:05, 0.0
252, 2017/06/08 09:00:15, 0.0
253, 2017/06/08 09:00:25, 0.0
254, 2017/06/08 09:00:35, 0.0
255, 2017/06/08 09:00:45, 0.0
256, 2017/06/08 09:00:55, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

257, 2017/06/08 09:01:05, 0.0
258, 2017/06/08 09:01:15, 0.0
259, 2017/06/08 09:01:25, 0.0
260, 2017/06/08 09:01:35, 0.0
261, 2017/06/08 09:01:45, 0.0
262, 2017/06/08 09:01:55, 0.0
263, 2017/06/08 09:02:05, 0.0
264, 2017/06/08 09:02:15, 0.0
265, 2017/06/08 09:02:25, 0.0
266, 2017/06/08 09:02:35, 0.0
267, 2017/06/08 09:02:45, 0.0
268, 2017/06/08 09:02:55, 0.0
269, 2017/06/08 09:03:05, 0.0
270, 2017/06/08 09:03:15, 0.0
271, 2017/06/08 09:03:25, 0.0
272, 2017/06/08 09:03:35, 0.0
273, 2017/06/08 09:03:45, 0.0
274, 2017/06/08 09:03:55, 0.0
275, 2017/06/08 09:04:05, 0.0
276, 2017/06/08 09:04:15, 0.0
277, 2017/06/08 09:04:25, 0.0
278, 2017/06/08 09:04:35, 0.0
279, 2017/06/08 09:04:45, 0.0
280, 2017/06/08 09:04:55, 0.0
281, 2017/06/08 09:05:05, 0.1
282, 2017/06/08 09:05:15, 0.0
283, 2017/06/08 09:05:25, 0.0
284, 2017/06/08 09:05:35, 0.0
285, 2017/06/08 09:05:45, 0.0
286, 2017/06/08 09:05:55, 0.0
287, 2017/06/08 09:06:05, 0.0
288, 2017/06/08 09:06:15, 0.0
289, 2017/06/08 09:06:25, 0.0
290, 2017/06/08 09:06:35, 0.0
291, 2017/06/08 09:06:45, 0.0
292, 2017/06/08 09:06:55, 0.0
293, 2017/06/08 09:07:05, 0.0
294, 2017/06/08 09:07:15, 0.0
295, 2017/06/08 09:07:25, 0.0
296, 2017/06/08 09:07:35, 0.0
297, 2017/06/08 09:07:45, 0.0
298, 2017/06/08 09:07:55, 0.0
299, 2017/06/08 09:08:05, 0.0
300, 2017/06/08 09:08:15, 0.0
301, 2017/06/08 09:08:25, 0.0
302, 2017/06/08 09:08:35, 0.0
303, 2017/06/08 09:08:45, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

304, 2017/06/08 09:08:55, 0.0
305, 2017/06/08 09:09:05, 0.0
306, 2017/06/08 09:09:15, 0.0
307, 2017/06/08 09:09:25, 0.0
308, 2017/06/08 09:09:35, 0.0
309, 2017/06/08 09:09:45, 0.0
310, 2017/06/08 09:09:55, 0.0
311, 2017/06/08 09:10:05, 0.0
312, 2017/06/08 09:10:15, 0.0
313, 2017/06/08 09:10:25, 0.0
314, 2017/06/08 09:10:35, 0.0
315, 2017/06/08 09:10:45, 0.0
316, 2017/06/08 09:10:55, 0.0
317, 2017/06/08 09:11:05, 0.0
318, 2017/06/08 09:11:15, 0.0
319, 2017/06/08 09:11:25, 0.0
320, 2017/06/08 09:11:35, 0.0
321, 2017/06/08 09:11:45, 0.0
322, 2017/06/08 09:11:55, 0.0
323, 2017/06/08 09:12:05, 0.0
324, 2017/06/08 09:12:15, 0.0
325, 2017/06/08 09:12:25, 0.0
326, 2017/06/08 09:12:35, 0.0
327, 2017/06/08 09:12:45, 0.0
328, 2017/06/08 09:12:55, 0.0
329, 2017/06/08 09:13:05, 0.0
330, 2017/06/08 09:13:15, 0.0
331, 2017/06/08 09:13:25, 0.0
332, 2017/06/08 09:13:35, 0.0
333, 2017/06/08 09:13:45, 0.0
334, 2017/06/08 09:13:55, 0.0
335, 2017/06/08 09:14:05, 0.0
336, 2017/06/08 09:14:15, 0.0
337, 2017/06/08 09:14:25, 0.0
338, 2017/06/08 09:14:35, 0.0
339, 2017/06/08 09:14:45, 0.0
340, 2017/06/08 09:14:55, 0.0
341, 2017/06/08 09:15:05, 0.0
342, 2017/06/08 09:15:15, 0.0
343, 2017/06/08 09:15:25, 0.0
344, 2017/06/08 09:15:35, 0.0
345, 2017/06/08 09:15:45, 0.0
346, 2017/06/08 09:15:55, 0.0
347, 2017/06/08 09:16:05, 0.0
348, 2017/06/08 09:16:15, 0.0
349, 2017/06/08 09:16:25, 0.0
350, 2017/06/08 09:16:35, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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351, 2017/06/08 09:16:45, 0.0
352, 2017/06/08 09:16:55, 0.0
353, 2017/06/08 09:17:05, 0.0
354, 2017/06/08 09:17:15, 0.0
355, 2017/06/08 09:17:25, 0.0
356, 2017/06/08 09:17:35, 0.0
357, 2017/06/08 09:17:45, 0.0
358, 2017/06/08 09:17:55, 0.0
359, 2017/06/08 09:18:05, 0.0
360, 2017/06/08 09:18:15, 0.0
361, 2017/06/08 09:18:25, 0.0
362, 2017/06/08 09:18:35, 0.0
363, 2017/06/08 09:18:45, 0.0
364, 2017/06/08 09:18:55, 0.0
365, 2017/06/08 09:19:05, 0.0
366, 2017/06/08 09:19:15, 0.0
367, 2017/06/08 09:19:25, 0.0
368, 2017/06/08 09:19:35, 0.0
369, 2017/06/08 09:19:45, 0.0
370, 2017/06/08 09:19:55, 0.0
371, 2017/06/08 09:20:05, 0.0
372, 2017/06/08 09:20:15, 0.0
373, 2017/06/08 09:20:25, 0.0
374, 2017/06/08 09:20:35, 0.0
375, 2017/06/08 09:20:45, 0.0
376, 2017/06/08 09:20:55, 0.0
377, 2017/06/08 09:21:05, 0.0
378, 2017/06/08 09:21:15, 0.0
379, 2017/06/08 09:21:25, 0.0
380, 2017/06/08 09:21:35, 0.0
381, 2017/06/08 09:21:45, 0.0
382, 2017/06/08 09:21:55, 0.0
383, 2017/06/08 09:22:05, 0.0
384, 2017/06/08 09:22:15, 0.0
385, 2017/06/08 09:22:25, 0.0
386, 2017/06/08 09:22:35, 0.0
387, 2017/06/08 09:22:45, 0.0
388, 2017/06/08 09:22:55, 0.0
389, 2017/06/08 09:23:05, 0.0
390, 2017/06/08 09:23:15, 0.0
391, 2017/06/08 09:23:25, 0.0
392, 2017/06/08 09:23:35, 0.0
393, 2017/06/08 09:23:45, 0.0
394, 2017/06/08 09:23:55, 0.0
395, 2017/06/08 09:24:05, 0.0
396, 2017/06/08 09:24:15, 0.0
397, 2017/06/08 09:24:25, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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398, 2017/06/08 09:24:35, 0.0
399, 2017/06/08 09:24:45, 0.0
400, 2017/06/08 09:24:55, 0.0
401, 2017/06/08 09:25:05, 0.0
402, 2017/06/08 09:25:15, 0.0
403, 2017/06/08 09:25:25, 0.0
404, 2017/06/08 09:25:35, 0.0
405, 2017/06/08 09:25:45, 0.0
406, 2017/06/08 09:25:55, 0.0
407, 2017/06/08 09:26:05, 0.0
408, 2017/06/08 09:26:15, 0.0
409, 2017/06/08 09:26:25, 0.0
410, 2017/06/08 09:26:35, 0.0
411, 2017/06/08 09:26:45, 0.0
412, 2017/06/08 09:26:55, 0.0
413, 2017/06/08 09:27:05, 0.0
414, 2017/06/08 09:27:15, 0.0
415, 2017/06/08 09:27:25, 0.0
416, 2017/06/08 09:27:35, 0.0
417, 2017/06/08 09:27:45, 0.0
418, 2017/06/08 09:27:55, 0.0
419, 2017/06/08 09:28:05, 0.0
420, 2017/06/08 09:28:15, 0.0
421, 2017/06/08 09:28:25, 0.0
422, 2017/06/08 09:28:35, 0.0
423, 2017/06/08 09:28:45, 0.0
424, 2017/06/08 09:28:55, 0.0
425, 2017/06/08 09:29:05, 0.0
426, 2017/06/08 09:29:15, 0.0
427, 2017/06/08 09:29:25, 0.0
428, 2017/06/08 09:29:35, 0.0
429, 2017/06/08 09:29:45, 0.0
430, 2017/06/08 09:29:55, 0.0
431, 2017/06/08 09:30:05, 0.0
432, 2017/06/08 09:30:15, 0.0
433, 2017/06/08 09:30:25, 0.0
434, 2017/06/08 09:30:35, 0.0
435, 2017/06/08 09:30:45, 0.0
436, 2017/06/08 09:30:55, 0.0
437, 2017/06/08 09:31:05, 0.0
438, 2017/06/08 09:31:15, 0.0
439, 2017/06/08 09:31:25, 0.0
440, 2017/06/08 09:31:35, 0.0
441, 2017/06/08 09:31:45, 0.0
442, 2017/06/08 09:31:55, 0.0
443, 2017/06/08 09:32:05, 0.0
444, 2017/06/08 09:32:15, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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445, 2017/06/08 09:32:25, 0.0
446, 2017/06/08 09:32:35, 0.0
447, 2017/06/08 09:32:45, 0.0
448, 2017/06/08 09:32:55, 0.0
449, 2017/06/08 09:33:05, 0.0
450, 2017/06/08 09:33:15, 0.0
451, 2017/06/08 09:33:25, 0.0
452, 2017/06/08 09:33:35, 0.0
453, 2017/06/08 09:33:45, 0.0
454, 2017/06/08 09:33:55, 0.0
455, 2017/06/08 09:34:05, 0.0
456, 2017/06/08 09:34:15, 0.0
457, 2017/06/08 09:34:25, 0.0
458, 2017/06/08 09:34:35, 0.0
459, 2017/06/08 09:34:45, 0.0
460, 2017/06/08 09:34:55, 0.0
461, 2017/06/08 09:35:05, 0.0
462, 2017/06/08 09:35:15, 0.0
463, 2017/06/08 09:35:25, 0.0
464, 2017/06/08 09:35:35, 0.0
465, 2017/06/08 09:35:45, 0.0
466, 2017/06/08 09:35:55, 0.0
467, 2017/06/08 09:36:05, 0.0
468, 2017/06/08 09:36:15, 0.0
469, 2017/06/08 09:36:25, 0.0
470, 2017/06/08 09:36:35, 0.0
471, 2017/06/08 09:36:45, 0.0
472, 2017/06/08 09:36:55, 0.0
473, 2017/06/08 09:37:05, 0.0
474, 2017/06/08 09:37:15, 0.0
475, 2017/06/08 09:37:25, 0.0
476, 2017/06/08 09:37:35, 0.0
477, 2017/06/08 09:37:45, 0.0
478, 2017/06/08 09:37:55, 0.0
479, 2017/06/08 09:38:05, 0.0
480, 2017/06/08 09:38:15, 0.0
481, 2017/06/08 09:38:25, 0.0
482, 2017/06/08 09:38:35, 0.0
483, 2017/06/08 09:38:45, 0.0
484, 2017/06/08 09:38:55, 0.0
485, 2017/06/08 09:39:05, 0.0
486, 2017/06/08 09:39:15, 0.0
487, 2017/06/08 09:39:25, 0.0
488, 2017/06/08 09:39:35, 0.0
489, 2017/06/08 09:39:45, 0.0
490, 2017/06/08 09:39:55, 0.0
491, 2017/06/08 09:40:05, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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492, 2017/06/08 09:40:15, 0.0
493, 2017/06/08 09:40:25, 0.0
494, 2017/06/08 09:40:35, 0.0
495, 2017/06/08 09:40:45, 0.0
496, 2017/06/08 09:40:55, 0.0
497, 2017/06/08 09:41:05, 0.0
498, 2017/06/08 09:41:15, 0.0
499, 2017/06/08 09:41:25, 0.0
500, 2017/06/08 09:41:35, 0.0
501, 2017/06/08 09:41:45, 0.0
502, 2017/06/08 09:41:55, 0.0
503, 2017/06/08 09:42:05, 0.0
504, 2017/06/08 09:42:15, 0.0
505, 2017/06/08 09:42:25, 0.0
506, 2017/06/08 09:42:35, 0.0
507, 2017/06/08 09:42:45, 0.0
508, 2017/06/08 09:42:55, 0.0
509, 2017/06/08 09:43:05, 0.0
510, 2017/06/08 09:43:15, 0.0
511, 2017/06/08 09:43:25, 0.0
512, 2017/06/08 09:43:35, 0.0
513, 2017/06/08 09:43:45, 0.0
514, 2017/06/08 09:43:55, 0.0
515, 2017/06/08 09:44:05, 0.0
516, 2017/06/08 09:44:15, 0.0
517, 2017/06/08 09:44:25, 0.0
518, 2017/06/08 09:44:35, 0.0
519, 2017/06/08 09:44:45, 0.0
520, 2017/06/08 09:44:55, 0.0
521, 2017/06/08 09:45:05, 0.0
522, 2017/06/08 09:45:15, 0.0
523, 2017/06/08 09:45:25, 0.0
524, 2017/06/08 09:45:35, 0.0
525, 2017/06/08 09:45:45, 0.0
526, 2017/06/08 09:45:55, 0.0
527, 2017/06/08 09:46:05, 0.0
528, 2017/06/08 09:46:15, 0.0
529, 2017/06/08 09:46:25, 0.0
530, 2017/06/08 09:46:35, 0.0
531, 2017/06/08 09:46:45, 0.0
532, 2017/06/08 09:46:55, 0.0
533, 2017/06/08 09:47:05, 0.0
534, 2017/06/08 09:47:15, 0.0
535, 2017/06/08 09:47:25, 0.0
536, 2017/06/08 09:47:35, 0.0
537, 2017/06/08 09:47:45, 0.0
538, 2017/06/08 09:47:55, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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539, 2017/06/08 09:48:05, 0.0
540, 2017/06/08 09:48:15, 0.0
541, 2017/06/08 09:48:25, 0.0
542, 2017/06/08 09:48:35, 0.0
543, 2017/06/08 09:48:45, 0.0
544, 2017/06/08 09:48:55, 0.0
545, 2017/06/08 09:49:05, 0.0
546, 2017/06/08 09:49:15, 0.0
547, 2017/06/08 09:49:25, 0.0
548, 2017/06/08 09:49:35, 0.0
549, 2017/06/08 09:49:45, 0.0
550, 2017/06/08 09:49:55, 0.0
551, 2017/06/08 09:50:05, 0.0
552, 2017/06/08 09:50:15, 0.0
553, 2017/06/08 09:50:25, 0.0
554, 2017/06/08 09:50:35, 0.0
555, 2017/06/08 09:50:45, 0.0
556, 2017/06/08 09:50:55, 0.0
557, 2017/06/08 09:51:05, 0.0
558, 2017/06/08 09:51:15, 0.0
559, 2017/06/08 09:51:25, 0.0
560, 2017/06/08 09:51:35, 0.0
561, 2017/06/08 09:51:45, 0.0
562, 2017/06/08 09:51:55, 0.0
563, 2017/06/08 09:52:05, 0.0
564, 2017/06/08 09:52:15, 0.0
565, 2017/06/08 09:52:25, 0.0
566, 2017/06/08 09:52:35, 0.0
567, 2017/06/08 09:52:45, 0.0
568, 2017/06/08 09:52:55, 0.0
569, 2017/06/08 09:53:05, 0.0
570, 2017/06/08 09:53:15, 0.0
571, 2017/06/08 09:53:25, 0.0
572, 2017/06/08 09:53:35, 0.0
573, 2017/06/08 09:53:45, 0.0
574, 2017/06/08 09:53:55, 0.0
575, 2017/06/08 09:54:05, 0.0
576, 2017/06/08 09:54:15, 0.0
577, 2017/06/08 09:54:25, 0.0
578, 2017/06/08 09:54:35, 0.0
579, 2017/06/08 09:54:45, 0.0
580, 2017/06/08 09:54:55, 0.0
581, 2017/06/08 09:55:05, 0.0
582, 2017/06/08 09:55:15, 0.0
583, 2017/06/08 09:55:25, 0.0
584, 2017/06/08 09:55:35, 0.0
585, 2017/06/08 09:55:45, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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586, 2017/06/08 09:55:55, 0.0
587, 2017/06/08 09:56:05, 0.0
588, 2017/06/08 09:56:15, 0.0
589, 2017/06/08 09:56:25, 0.0
590, 2017/06/08 09:56:35, 0.0
591, 2017/06/08 09:56:45, 0.0
592, 2017/06/08 09:56:55, 0.0
593, 2017/06/08 09:57:05, 0.0
594, 2017/06/08 09:57:15, 0.0
595, 2017/06/08 09:57:25, 0.0
596, 2017/06/08 09:57:35, 0.0
597, 2017/06/08 09:57:45, 0.0
598, 2017/06/08 09:57:55, 0.0
599, 2017/06/08 09:58:05, 0.0
600, 2017/06/08 09:58:15, 0.0
601, 2017/06/08 09:58:25, 0.0
602, 2017/06/08 09:58:35, 0.0
603, 2017/06/08 09:58:45, 0.0
604, 2017/06/08 09:58:55, 0.0
605, 2017/06/08 09:59:05, 0.0
606, 2017/06/08 09:59:15, 0.0
607, 2017/06/08 09:59:25, 0.0
608, 2017/06/08 09:59:35, 0.0
609, 2017/06/08 09:59:45, 0.0
610, 2017/06/08 09:59:55, 0.0
611, 2017/06/08 10:00:05, 0.0
612, 2017/06/08 10:00:15, 0.0
613, 2017/06/08 10:00:25, 0.0
614, 2017/06/08 10:00:35, 0.0
615, 2017/06/08 10:00:45, 0.0
616, 2017/06/08 10:00:55, 0.0
617, 2017/06/08 10:01:05, 0.0
618, 2017/06/08 10:01:15, 0.0
619, 2017/06/08 10:01:25, 0.0
620, 2017/06/08 10:01:35, 0.0
621, 2017/06/08 10:01:45, 0.0
622, 2017/06/08 10:01:55, 0.0
623, 2017/06/08 10:02:05, 0.0
624, 2017/06/08 10:02:15, 0.0
625, 2017/06/08 10:02:25, 0.0
626, 2017/06/08 10:02:35, 0.0
627, 2017/06/08 10:02:45, 0.0
628, 2017/06/08 10:02:55, 0.0
629, 2017/06/08 10:03:05, 0.0
630, 2017/06/08 10:03:15, 0.0
631, 2017/06/08 10:03:25, 0.0
632, 2017/06/08 10:03:35, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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633, 2017/06/08 10:03:45, 0.0
634, 2017/06/08 10:03:55, 0.0
635, 2017/06/08 10:04:05, 0.0
636, 2017/06/08 10:04:15, 0.0
637, 2017/06/08 10:04:25, 0.0
638, 2017/06/08 10:04:35, 0.0
639, 2017/06/08 10:04:45, 0.0
640, 2017/06/08 10:04:55, 0.0
641, 2017/06/08 10:05:05, 0.0
642, 2017/06/08 10:05:15, 0.0
643, 2017/06/08 10:05:25, 0.0
644, 2017/06/08 10:05:35, 0.0
645, 2017/06/08 10:05:45, 0.0
646, 2017/06/08 10:05:55, 0.0
647, 2017/06/08 10:06:05, 0.0
648, 2017/06/08 10:06:15, 0.0
649, 2017/06/08 10:06:25, 0.0
650, 2017/06/08 10:06:35, 0.0
651, 2017/06/08 10:06:45, 0.0
652, 2017/06/08 10:06:55, 0.0
653, 2017/06/08 10:07:05, 0.0
654, 2017/06/08 10:07:15, 0.0
655, 2017/06/08 10:07:25, 0.0
656, 2017/06/08 10:07:35, 0.0
657, 2017/06/08 10:07:45, 0.0
658, 2017/06/08 10:07:55, 0.0
659, 2017/06/08 10:08:05, 0.0
660, 2017/06/08 10:08:15, 0.0
661, 2017/06/08 10:08:25, 0.0
662, 2017/06/08 10:08:35, 0.0
663, 2017/06/08 10:08:45, 0.0
664, 2017/06/08 10:08:55, 0.0
665, 2017/06/08 10:09:05, 0.0
666, 2017/06/08 10:09:15, 0.0
667, 2017/06/08 10:09:25, 0.0
668, 2017/06/08 10:09:35, 0.0
669, 2017/06/08 10:09:45, 0.0
670, 2017/06/08 10:09:55, 0.0
671, 2017/06/08 10:10:05, 0.0
672, 2017/06/08 10:10:15, 0.0
673, 2017/06/08 10:10:25, 0.0
674, 2017/06/08 10:10:35, 0.0
675, 2017/06/08 10:10:45, 0.0
676, 2017/06/08 10:10:55, 0.0
677, 2017/06/08 10:11:05, 0.0
678, 2017/06/08 10:11:15, 0.0
679, 2017/06/08 10:11:25, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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680, 2017/06/08 10:11:35, 0.0
681, 2017/06/08 10:11:45, 0.0
682, 2017/06/08 10:11:55, 0.0
683, 2017/06/08 10:12:05, 0.0
684, 2017/06/08 10:12:15, 0.0
685, 2017/06/08 10:12:25, 0.0
686, 2017/06/08 10:12:35, 0.0
687, 2017/06/08 10:12:45, 0.0
688, 2017/06/08 10:12:55, 0.0
689, 2017/06/08 10:13:05, 0.0
690, 2017/06/08 10:13:15, 0.0
691, 2017/06/08 10:13:25, 0.0
692, 2017/06/08 10:13:35, 0.0
693, 2017/06/08 10:13:45, 0.0
694, 2017/06/08 10:13:55, 0.0
695, 2017/06/08 10:14:05, 0.0
696, 2017/06/08 10:14:15, 0.0
697, 2017/06/08 10:14:25, 0.0
698, 2017/06/08 10:14:35, 0.0
699, 2017/06/08 10:14:45, 0.0
700, 2017/06/08 10:14:55, 0.0
701, 2017/06/08 10:15:05, 0.0
702, 2017/06/08 10:15:15, 0.0
703, 2017/06/08 10:15:25, 0.0
704, 2017/06/08 10:15:35, 0.0
705, 2017/06/08 10:15:45, 0.0
706, 2017/06/08 10:15:55, 0.0
707, 2017/06/08 10:16:05, 0.0
708, 2017/06/08 10:16:15, 0.0
709, 2017/06/08 10:16:25, 0.0
710, 2017/06/08 10:16:35, 0.0
711, 2017/06/08 10:16:45, 0.0
712, 2017/06/08 10:16:55, 0.0
713, 2017/06/08 10:17:05, 0.0
714, 2017/06/08 10:17:15, 0.0
715, 2017/06/08 10:17:25, 0.0
716, 2017/06/08 10:17:35, 0.0
717, 2017/06/08 10:17:45, 0.0
718, 2017/06/08 10:17:55, 0.0
719, 2017/06/08 10:18:05, 0.0
720, 2017/06/08 10:18:15, 0.0
721, 2017/06/08 10:18:25, 0.0
722, 2017/06/08 10:18:35, 0.0
723, 2017/06/08 10:18:45, 0.0
724, 2017/06/08 10:18:55, 0.0
725, 2017/06/08 10:19:05, 0.0
726, 2017/06/08 10:19:15, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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727, 2017/06/08 10:19:25, 0.0
728, 2017/06/08 10:19:35, 0.0
729, 2017/06/08 10:19:45, 0.0
730, 2017/06/08 10:19:55, 0.0
731, 2017/06/08 10:20:05, 0.0
732, 2017/06/08 10:20:15, 0.0
733, 2017/06/08 10:20:25, 0.0
734, 2017/06/08 10:20:35, 0.0
735, 2017/06/08 10:20:45, 0.0
736, 2017/06/08 10:20:55, 0.0
737, 2017/06/08 10:21:05, 0.0
738, 2017/06/08 10:21:15, 0.0
739, 2017/06/08 10:21:25, 0.0
740, 2017/06/08 10:21:35, 0.0
741, 2017/06/08 10:21:45, 0.0
742, 2017/06/08 10:21:55, 0.0
743, 2017/06/08 10:22:05, 0.0
744, 2017/06/08 10:22:15, 0.0
745, 2017/06/08 10:22:25, 0.0
746, 2017/06/08 10:22:35, 0.0
747, 2017/06/08 10:22:45, 0.0
748, 2017/06/08 10:22:55, 0.0
749, 2017/06/08 10:23:05, 0.0
750, 2017/06/08 10:23:15, 0.0
751, 2017/06/08 10:23:25, 0.0
752, 2017/06/08 10:23:35, 0.0
753, 2017/06/08 10:23:45, 0.0
754, 2017/06/08 10:23:55, 0.0
755, 2017/06/08 10:24:05, 0.0
756, 2017/06/08 10:24:15, 0.0
757, 2017/06/08 10:24:25, 0.0
758, 2017/06/08 10:24:35, 0.0
759, 2017/06/08 10:24:45, 0.0
760, 2017/06/08 10:24:55, 0.0
761, 2017/06/08 10:25:05, 0.0
762, 2017/06/08 10:25:15, 0.0
763, 2017/06/08 10:25:25, 0.0
764, 2017/06/08 10:25:35, 0.0
765, 2017/06/08 10:25:45, 0.0
766, 2017/06/08 10:25:55, 0.0
767, 2017/06/08 10:26:05, 0.0
768, 2017/06/08 10:26:15, 0.0
769, 2017/06/08 10:26:25, 0.0
770, 2017/06/08 10:26:35, 0.0
771, 2017/06/08 10:26:45, 0.0
772, 2017/06/08 10:26:55, 0.0
773, 2017/06/08 10:27:05, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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774, 2017/06/08 10:27:15, 0.0
775, 2017/06/08 10:27:25, 0.0
776, 2017/06/08 10:27:35, 0.0
777, 2017/06/08 10:27:45, 0.0
778, 2017/06/08 10:27:55, 0.0
779, 2017/06/08 10:28:05, 0.0
780, 2017/06/08 10:28:15, 0.0
781, 2017/06/08 10:28:25, 0.0
782, 2017/06/08 10:28:35, 0.0
783, 2017/06/08 10:28:45, 0.0
784, 2017/06/08 10:28:55, 0.0
785, 2017/06/08 10:29:05, 0.0
786, 2017/06/08 10:29:15, 0.0
787, 2017/06/08 10:29:25, 0.0
788, 2017/06/08 10:29:35, 0.0
789, 2017/06/08 10:29:45, 0.0
790, 2017/06/08 10:29:55, 0.0
791, 2017/06/08 10:30:05, 0.0
792, 2017/06/08 10:30:15, 0.0
793, 2017/06/08 10:30:25, 0.0
794, 2017/06/08 10:30:35, 0.0
795, 2017/06/08 10:30:45, 0.0
796, 2017/06/08 10:30:55, 0.0
797, 2017/06/08 10:31:05, 0.0
798, 2017/06/08 10:31:15, 0.0
799, 2017/06/08 10:31:25, 0.0
800, 2017/06/08 10:31:35, 0.0
801, 2017/06/08 10:31:45, 0.0
802, 2017/06/08 10:31:55, 0.0
803, 2017/06/08 10:32:05, 0.0
804, 2017/06/08 10:32:15, 0.0
805, 2017/06/08 10:32:25, 0.0
806, 2017/06/08 10:32:35, 0.0
807, 2017/06/08 10:32:45, 0.0
808, 2017/06/08 10:32:55, 0.0
809, 2017/06/08 10:33:05, 0.0
810, 2017/06/08 10:33:15, 0.0
811, 2017/06/08 10:33:25, 0.0
812, 2017/06/08 10:33:35, 0.0
813, 2017/06/08 10:33:45, 0.0
814, 2017/06/08 10:33:55, 0.0
815, 2017/06/08 10:34:05, 0.0
816, 2017/06/08 10:34:15, 0.0
817, 2017/06/08 10:34:25, 0.0
818, 2017/06/08 10:34:35, 0.0
819, 2017/06/08 10:34:45, 0.0
820, 2017/06/08 10:34:55, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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821, 2017/06/08 10:35:05, 0.0
822, 2017/06/08 10:35:15, 0.0
823, 2017/06/08 10:35:25, 0.0
824, 2017/06/08 10:35:35, 0.0
825, 2017/06/08 10:35:45, 0.0
826, 2017/06/08 10:35:55, 0.0
827, 2017/06/08 10:36:05, 0.0
828, 2017/06/08 10:36:15, 0.0
829, 2017/06/08 10:36:25, 0.0
830, 2017/06/08 10:36:35, 0.0
831, 2017/06/08 10:36:45, 0.0
832, 2017/06/08 10:36:55, 0.0
833, 2017/06/08 10:37:05, 0.0
834, 2017/06/08 10:37:15, 0.0
835, 2017/06/08 10:37:25, 0.0
836, 2017/06/08 10:37:35, 0.0
837, 2017/06/08 10:37:45, 0.0
838, 2017/06/08 10:37:55, 0.0
839, 2017/06/08 10:38:05, 0.0
840, 2017/06/08 10:38:15, 0.0
841, 2017/06/08 10:38:25, 0.0
842, 2017/06/08 10:38:35, 0.0
843, 2017/06/08 10:38:45, 0.0
844, 2017/06/08 10:38:55, 0.0
845, 2017/06/08 10:39:05, 0.0
846, 2017/06/08 10:39:15, 0.0
847, 2017/06/08 10:39:25, 0.0
848, 2017/06/08 10:39:35, 0.0
849, 2017/06/08 10:39:45, 0.0
850, 2017/06/08 10:39:55, 0.0
851, 2017/06/08 10:40:05, 0.0
852, 2017/06/08 10:40:15, 0.0
853, 2017/06/08 10:40:25, 0.0
854, 2017/06/08 10:40:35, 0.0
855, 2017/06/08 10:40:45, 0.0
856, 2017/06/08 10:40:55, 0.0
857, 2017/06/08 10:41:05, 0.0
858, 2017/06/08 10:41:15, 0.0
859, 2017/06/08 10:41:25, 0.0
860, 2017/06/08 10:41:35, 0.0
861, 2017/06/08 10:41:45, 0.0
862, 2017/06/08 10:41:55, 0.0
863, 2017/06/08 10:42:05, 0.0
864, 2017/06/08 10:42:15, 0.0
865, 2017/06/08 10:42:25, 0.0
866, 2017/06/08 10:42:35, 0.0
867, 2017/06/08 10:42:45, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

868, 2017/06/08 10:42:55, 0.0
869, 2017/06/08 10:43:05, 0.0
870, 2017/06/08 10:43:15, 0.0
871, 2017/06/08 10:43:25, 0.0
872, 2017/06/08 10:43:35, 0.0
873, 2017/06/08 10:43:45, 0.0
874, 2017/06/08 10:43:55, 0.0
875, 2017/06/08 10:44:05, 0.0
876, 2017/06/08 10:44:15, 0.0
877, 2017/06/08 10:44:25, 0.0
878, 2017/06/08 10:44:35, 0.0
879, 2017/06/08 10:44:45, 0.0
880, 2017/06/08 10:44:55, 0.0
881, 2017/06/08 10:45:05, 0.0
882, 2017/06/08 10:45:15, 0.0
883, 2017/06/08 10:45:25, 0.0
884, 2017/06/08 10:45:35, 0.0
885, 2017/06/08 10:45:45, 0.0
886, 2017/06/08 10:45:55, 0.0
887, 2017/06/08 10:46:05, 0.0
888, 2017/06/08 10:46:15, 0.0
889, 2017/06/08 10:46:25, 0.0
890, 2017/06/08 10:46:35, 0.0
891, 2017/06/08 10:46:45, 0.0
892, 2017/06/08 10:46:55, 0.0
893, 2017/06/08 10:47:05, 0.0
894, 2017/06/08 10:47:15, 0.0
895, 2017/06/08 10:47:25, 0.0
896, 2017/06/08 10:47:35, 0.0
897, 2017/06/08 10:47:45, 0.0
898, 2017/06/08 10:47:55, 0.0
899, 2017/06/08 10:48:05, 0.0
900, 2017/06/08 10:48:15, 0.0
901, 2017/06/08 10:48:25, 0.0
902, 2017/06/08 10:48:35, 0.0
903, 2017/06/08 10:48:45, 0.0
904, 2017/06/08 10:48:55, 0.0
905, 2017/06/08 10:49:05, 0.0
906, 2017/06/08 10:49:15, 0.0
907, 2017/06/08 10:49:25, 0.0
908, 2017/06/08 10:49:35, 0.0
909, 2017/06/08 10:49:45, 0.0
910, 2017/06/08 10:49:55, 0.0
911, 2017/06/08 10:50:05, 0.0
912, 2017/06/08 10:50:15, 0.0
913, 2017/06/08 10:50:25, 0.0
914, 2017/06/08 10:50:35, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

915, 2017/06/08 10:50:45, 0.0
916, 2017/06/08 10:50:55, 0.0
917, 2017/06/08 10:51:05, 0.0
918, 2017/06/08 10:51:15, 0.0
919, 2017/06/08 10:51:25, 0.0
920, 2017/06/08 10:51:35, 0.0
921, 2017/06/08 10:51:45, 0.0
922, 2017/06/08 10:51:55, 0.0
923, 2017/06/08 10:52:05, 0.0
924, 2017/06/08 10:52:15, 0.0
925, 2017/06/08 10:52:25, 0.0
926, 2017/06/08 10:52:35, 0.0
927, 2017/06/08 10:52:45, 0.0
928, 2017/06/08 10:52:55, 0.0
929, 2017/06/08 10:53:05, 0.0
930, 2017/06/08 10:53:15, 0.0
931, 2017/06/08 10:53:25, 0.0
932, 2017/06/08 10:53:35, 0.0
933, 2017/06/08 10:53:45, 0.0
934, 2017/06/08 10:53:55, 0.0
935, 2017/06/08 10:54:05, 0.0
936, 2017/06/08 10:54:15, 0.0
937, 2017/06/08 10:54:25, 0.0
938, 2017/06/08 10:54:35, 0.0
939, 2017/06/08 10:54:45, 0.0
940, 2017/06/08 10:54:55, 0.0
941, 2017/06/08 10:55:05, 0.0
942, 2017/06/08 10:55:15, 0.0
943, 2017/06/08 10:55:25, 0.0
944, 2017/06/08 10:55:35, 0.0
945, 2017/06/08 10:55:45, 0.0
946, 2017/06/08 10:55:55, 0.0
947, 2017/06/08 10:56:05, 0.0
948, 2017/06/08 10:56:15, 0.0
949, 2017/06/08 10:56:25, 0.0
950, 2017/06/08 10:56:35, 0.0
951, 2017/06/08 10:56:45, 0.0
952, 2017/06/08 10:56:55, 0.0
953, 2017/06/08 10:57:05, 0.0
954, 2017/06/08 10:57:15, 0.0
955, 2017/06/08 10:57:25, 0.0
956, 2017/06/08 10:57:35, 0.0
957, 2017/06/08 10:57:45, 0.0
958, 2017/06/08 10:57:55, 0.0
959, 2017/06/08 10:58:05, 0.0
960, 2017/06/08 10:58:15, 0.0
961, 2017/06/08 10:58:25, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

962, 2017/06/08 10:58:35, 0.0
963, 2017/06/08 10:58:45, 0.0
964, 2017/06/08 10:58:55, 0.0
965, 2017/06/08 10:59:05, 0.0
966, 2017/06/08 10:59:15, 0.0
967, 2017/06/08 10:59:25, 0.0
968, 2017/06/08 10:59:35, 0.0
969, 2017/06/08 10:59:45, 0.0
970, 2017/06/08 10:59:55, 0.0
971, 2017/06/08 11:00:05, 0.0
972, 2017/06/08 11:00:15, 0.0
973, 2017/06/08 11:00:25, 0.0
974, 2017/06/08 11:00:35, 0.0
975, 2017/06/08 11:00:45, 0.0
976, 2017/06/08 11:00:55, 0.0
977, 2017/06/08 11:01:05, 0.0
978, 2017/06/08 11:01:15, 0.0
979, 2017/06/08 11:01:25, 0.0
980, 2017/06/08 11:01:35, 0.0
981, 2017/06/08 11:01:45, 0.0
982, 2017/06/08 11:01:55, 0.0
983, 2017/06/08 11:02:05, 0.0
984, 2017/06/08 11:02:15, 0.0
985, 2017/06/08 11:02:25, 0.0
986, 2017/06/08 11:02:35, 0.0
987, 2017/06/08 11:02:45, 0.0
988, 2017/06/08 11:02:55, 0.0
989, 2017/06/08 11:03:05, 0.0
990, 2017/06/08 11:03:15, 0.0
991, 2017/06/08 11:03:25, 0.0
992, 2017/06/08 11:03:35, 0.0
993, 2017/06/08 11:03:45, 0.0
994, 2017/06/08 11:03:55, 0.0
995, 2017/06/08 11:04:05, 0.0
996, 2017/06/08 11:04:15, 0.0
997, 2017/06/08 11:04:25, 0.0
998, 2017/06/08 11:04:35, 0.0
999, 2017/06/08 11:04:45, 0.0
1000, 2017/06/08 11:04:55, 0.0
1001, 2017/06/08 11:05:05, 0.0
1002, 2017/06/08 11:05:15, 0.0
1003, 2017/06/08 11:05:25, 0.0
1004, 2017/06/08 11:05:35, 0.0
1005, 2017/06/08 11:05:45, 0.0
1006, 2017/06/08 11:05:55, 0.0
1007, 2017/06/08 11:06:05, 0.0
1008, 2017/06/08 11:06:15, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

1009, 2017/06/08 11:06:25, 0.0
1010, 2017/06/08 11:06:35, 0.0
1011, 2017/06/08 11:06:45, 0.0
1012, 2017/06/08 11:06:55, 0.0
1013, 2017/06/08 11:07:05, 0.0
1014, 2017/06/08 11:07:15, 0.0
1015, 2017/06/08 11:07:25, 0.0
1016, 2017/06/08 11:07:35, 0.0
1017, 2017/06/08 11:07:45, 0.0
1018, 2017/06/08 11:07:55, 0.0
1019, 2017/06/08 11:08:05, 0.0
1020, 2017/06/08 11:08:15, 0.0
1021, 2017/06/08 11:08:25, 0.0
1022, 2017/06/08 11:08:35, 0.0
1023, 2017/06/08 11:08:45, 0.0
1024, 2017/06/08 11:08:55, 0.0
1025, 2017/06/08 11:09:05, 0.0
1026, 2017/06/08 11:09:15, 0.0
1027, 2017/06/08 11:09:25, 0.0
1028, 2017/06/08 11:09:35, 0.0
1029, 2017/06/08 11:09:45, 0.0
1030, 2017/06/08 11:09:55, 0.0
1031, 2017/06/08 11:10:05, 0.0
1032, 2017/06/08 11:10:15, 0.0
1033, 2017/06/08 11:10:25, 0.0
1034, 2017/06/08 11:10:35, 0.0
1035, 2017/06/08 11:10:45, 0.0
1036, 2017/06/08 11:10:55, 0.0
1037, 2017/06/08 11:11:05, 0.0
1038, 2017/06/08 11:11:15, 0.0
1039, 2017/06/08 11:11:25, 0.0
1040, 2017/06/08 11:11:35, 0.0
1041, 2017/06/08 11:11:45, 0.0
1042, 2017/06/08 11:11:55, 0.0
1043, 2017/06/08 11:12:05, 0.0
1044, 2017/06/08 11:12:15, 0.0
1045, 2017/06/08 11:12:25, 0.0
1046, 2017/06/08 11:12:35, 0.0
1047, 2017/06/08 11:12:45, 0.0
1048, 2017/06/08 11:12:55, 0.0
1049, 2017/06/08 11:13:05, 0.0
1050, 2017/06/08 11:13:15, 0.0
1051, 2017/06/08 11:13:25, 0.0
1052, 2017/06/08 11:13:35, 0.0
1053, 2017/06/08 11:13:45, 0.0
1054, 2017/06/08 11:13:55, 0.0
1055, 2017/06/08 11:14:05, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

1056, 2017/06/08 11:14:15, 0.0
1057, 2017/06/08 11:14:25, 0.0
1058, 2017/06/08 11:14:35, 0.0
1059, 2017/06/08 11:14:45, 0.0
1060, 2017/06/08 11:14:55, 0.0
1061, 2017/06/08 11:15:05, 0.0
1062, 2017/06/08 11:15:15, 0.0
1063, 2017/06/08 11:15:25, 0.0
1064, 2017/06/08 11:15:35, 0.0
1065, 2017/06/08 11:15:45, 0.0
1066, 2017/06/08 11:15:55, 0.0
1067, 2017/06/08 11:16:05, 0.0
1068, 2017/06/08 11:16:15, 0.0
1069, 2017/06/08 11:16:25, 0.0
1070, 2017/06/08 11:16:35, 0.0
1071, 2017/06/08 11:16:45, 0.0
1072, 2017/06/08 11:16:55, 0.0
1073, 2017/06/08 11:17:05, 0.0
1074, 2017/06/08 11:17:15, 0.0
1075, 2017/06/08 11:17:25, 0.0
1076, 2017/06/08 11:17:35, 0.0
1077, 2017/06/08 11:17:45, 0.0
1078, 2017/06/08 11:17:55, 0.0
1079, 2017/06/08 11:18:05, 0.0
1080, 2017/06/08 11:18:15, 0.0
1081, 2017/06/08 11:18:25, 0.0
1082, 2017/06/08 11:18:35, 0.0
1083, 2017/06/08 11:18:45, 0.0
1084, 2017/06/08 11:18:55, 0.0
1085, 2017/06/08 11:19:05, 0.0
1086, 2017/06/08 11:19:15, 0.0
1087, 2017/06/08 11:19:25, 0.0
1088, 2017/06/08 11:19:35, 0.0
1089, 2017/06/08 11:19:45, 0.0
1090, 2017/06/08 11:19:55, 0.0
1091, 2017/06/08 11:20:05, 0.0
1092, 2017/06/08 11:20:15, 0.0
1093, 2017/06/08 11:20:25, 0.0
1094, 2017/06/08 11:20:35, 0.0
1095, 2017/06/08 11:20:45, 0.0
1096, 2017/06/08 11:20:55, 0.0
1097, 2017/06/08 11:21:05, 0.0
1098, 2017/06/08 11:21:15, 0.0
1099, 2017/06/08 11:21:25, 0.0
1100, 2017/06/08 11:21:35, 0.0
1101, 2017/06/08 11:21:45, 0.0
1102, 2017/06/08 11:21:55, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

1103, 2017/06/08 11:22:05, 0.0
1104, 2017/06/08 11:22:15, 0.0
1105, 2017/06/08 11:22:25, 0.0
1106, 2017/06/08 11:22:35, 0.0
1107, 2017/06/08 11:22:45, 0.0
1108, 2017/06/08 11:22:55, 0.0
1109, 2017/06/08 11:23:05, 0.0
1110, 2017/06/08 11:23:15, 0.0
1111, 2017/06/08 11:23:25, 0.0
1112, 2017/06/08 11:23:35, 0.0
1113, 2017/06/08 11:23:45, 0.0
1114, 2017/06/08 11:23:55, 0.0
1115, 2017/06/08 11:24:05, 0.0
1116, 2017/06/08 11:24:15, 0.0
1117, 2017/06/08 11:24:25, 0.0
1118, 2017/06/08 11:24:35, 0.0
1119, 2017/06/08 11:24:45, 0.0
1120, 2017/06/08 11:24:55, 0.0
1121, 2017/06/08 11:25:05, 0.0
1122, 2017/06/08 11:25:15, 0.0
1123, 2017/06/08 11:25:25, 0.0
1124, 2017/06/08 11:25:35, 0.0
1125, 2017/06/08 11:25:45, 0.0
1126, 2017/06/08 11:25:55, 0.0
1127, 2017/06/08 11:26:05, 0.0
1128, 2017/06/08 11:26:15, 0.0
1129, 2017/06/08 11:26:25, 0.0
1130, 2017/06/08 11:26:35, 0.0
1131, 2017/06/08 11:26:45, 0.0
1132, 2017/06/08 11:26:55, 0.0
1133, 2017/06/08 11:27:05, 0.0
1134, 2017/06/08 11:27:15, 0.0
1135, 2017/06/08 11:27:25, 0.0
1136, 2017/06/08 11:27:35, 0.0
1137, 2017/06/08 11:27:45, 0.0
1138, 2017/06/08 11:27:55, 0.0
1139, 2017/06/08 11:28:05, 0.0
1140, 2017/06/08 11:28:15, 0.0
1141, 2017/06/08 11:28:25, 0.0
1142, 2017/06/08 11:28:35, 0.0
1143, 2017/06/08 11:28:45, 0.0
1144, 2017/06/08 11:28:55, 0.0
1145, 2017/06/08 11:29:05, 0.0
1146, 2017/06/08 11:29:15, 0.0
1147, 2017/06/08 11:29:25, 0.0
1148, 2017/06/08 11:29:35, 0.0
1149, 2017/06/08 11:29:45, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

1150, 2017/06/08 11:29:55, 0.0
1151, 2017/06/08 11:30:05, 0.0
1152, 2017/06/08 11:30:15, 0.0
1153, 2017/06/08 11:30:25, 0.0
1154, 2017/06/08 11:30:35, 0.0
1155, 2017/06/08 11:30:45, 0.0
1156, 2017/06/08 11:30:55, 0.0
1157, 2017/06/08 11:31:05, 0.0
1158, 2017/06/08 11:31:15, 0.0
1159, 2017/06/08 11:31:25, 0.0
1160, 2017/06/08 11:31:35, 0.0
1161, 2017/06/08 11:31:45, 0.0
1162, 2017/06/08 11:31:55, 0.0
1163, 2017/06/08 11:32:05, 0.0
1164, 2017/06/08 11:32:15, 0.0
1165, 2017/06/08 11:32:25, 0.0
1166, 2017/06/08 11:32:35, 0.0
1167, 2017/06/08 11:32:45, 0.0
1168, 2017/06/08 11:32:55, 0.0
1169, 2017/06/08 11:33:05, 0.0
1170, 2017/06/08 11:33:15, 0.0
1171, 2017/06/08 11:33:25, 0.0
1172, 2017/06/08 11:33:35, 0.0
1173, 2017/06/08 11:33:45, 0.0
1174, 2017/06/08 11:33:55, 0.0
1175, 2017/06/08 11:34:05, 0.0
1176, 2017/06/08 11:34:15, 0.0
1177, 2017/06/08 11:34:25, 0.0
1178, 2017/06/08 11:34:35, 0.0
1179, 2017/06/08 11:34:45, 0.0
1180, 2017/06/08 11:34:55, 0.0
1181, 2017/06/08 11:35:05, 0.0
1182, 2017/06/08 11:35:15, 0.0
1183, 2017/06/08 11:35:25, 0.0
1184, 2017/06/08 11:35:35, 0.0
1185, 2017/06/08 11:35:45, 0.0
1186, 2017/06/08 11:35:55, 0.0
1187, 2017/06/08 11:36:05, 0.0
1188, 2017/06/08 11:36:15, 0.0
1189, 2017/06/08 11:36:25, 0.0
1190, 2017/06/08 11:36:35, 0.0
1191, 2017/06/08 11:36:45, 0.0
1192, 2017/06/08 11:36:55, 0.0
1193, 2017/06/08 11:37:05, 0.0
1194, 2017/06/08 11:37:15, 0.0
1195, 2017/06/08 11:37:25, 0.0
1196, 2017/06/08 11:37:35, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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1197, 2017/06/08 11:37:45, 0.0
1198, 2017/06/08 11:37:55, 0.0
1199, 2017/06/08 11:38:05, 0.0
1200, 2017/06/08 11:38:15, 0.0
1201, 2017/06/08 11:38:25, 0.0
1202, 2017/06/08 11:38:35, 0.0
1203, 2017/06/08 11:38:45, 0.0
1204, 2017/06/08 11:38:55, 0.0
1205, 2017/06/08 11:39:05, 0.0
1206, 2017/06/08 11:39:15, 0.0
1207, 2017/06/08 11:39:25, 0.0
1208, 2017/06/08 11:39:35, 0.0
1209, 2017/06/08 11:39:45, 0.0
1210, 2017/06/08 11:39:55, 0.0
1211, 2017/06/08 11:40:05, 0.0
1212, 2017/06/08 11:40:15, 0.0
1213, 2017/06/08 11:40:25, 0.0
1214, 2017/06/08 11:40:35, 0.0
1215, 2017/06/08 11:40:45, 0.0
1216, 2017/06/08 11:40:55, 0.0
1217, 2017/06/08 11:41:05, 0.0
1218, 2017/06/08 11:41:15, 0.0
1219, 2017/06/08 11:41:25, 0.0
1220, 2017/06/08 11:41:35, 0.0
1221, 2017/06/08 11:41:45, 0.0
1222, 2017/06/08 11:41:55, 0.0
1223, 2017/06/08 11:42:05, 0.0
1224, 2017/06/08 11:42:15, 0.0
1225, 2017/06/08 11:42:25, 0.0
1226, 2017/06/08 11:42:35, 0.0
1227, 2017/06/08 11:42:45, 0.0
1228, 2017/06/08 11:42:55, 0.0
1229, 2017/06/08 11:43:05, 0.0
1230, 2017/06/08 11:43:15, 0.0
1231, 2017/06/08 11:43:25, 0.0
1232, 2017/06/08 11:43:35, 0.0
1233, 2017/06/08 11:43:45, 0.0
1234, 2017/06/08 11:43:55, 0.0
1235, 2017/06/08 11:44:05, 0.0
1236, 2017/06/08 11:44:15, 0.0
1237, 2017/06/08 11:44:25, 0.0
1238, 2017/06/08 11:44:35, 0.0
1239, 2017/06/08 11:44:45, 0.0
1240, 2017/06/08 11:44:55, 0.0
1241, 2017/06/08 11:45:05, 0.0
1242, 2017/06/08 11:45:15, 0.0
1243, 2017/06/08 11:45:25, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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1244, 2017/06/08 11:45:35, 0.0
1245, 2017/06/08 11:45:45, 0.0
1246, 2017/06/08 11:45:55, 0.0
1247, 2017/06/08 11:46:05, 0.0
1248, 2017/06/08 11:46:15, 0.0
1249, 2017/06/08 11:46:25, 0.0
1250, 2017/06/08 11:46:35, 0.0
1251, 2017/06/08 11:46:45, 0.0
1252, 2017/06/08 11:46:55, 0.0
1253, 2017/06/08 11:47:05, 0.0
1254, 2017/06/08 11:47:15, 0.0
1255, 2017/06/08 11:47:25, 0.0
1256, 2017/06/08 11:47:35, 0.0
1257, 2017/06/08 11:47:45, 0.0
1258, 2017/06/08 11:47:55, 0.0
1259, 2017/06/08 11:48:05, 0.0
1260, 2017/06/08 11:48:15, 0.0
1261, 2017/06/08 11:48:25, 0.0
1262, 2017/06/08 11:48:35, 0.0
1263, 2017/06/08 11:48:45, 0.0
1264, 2017/06/08 11:48:55, 0.0
1265, 2017/06/08 11:49:05, 0.0
1266, 2017/06/08 11:49:15, 0.0
1267, 2017/06/08 11:49:25, 0.0
1268, 2017/06/08 11:49:35, 0.0
1269, 2017/06/08 11:49:45, 0.0
1270, 2017/06/08 11:49:55, 0.0
1271, 2017/06/08 11:50:05, 0.0
1272, 2017/06/08 11:50:15, 0.0
1273, 2017/06/08 11:50:25, 0.0
1274, 2017/06/08 11:50:35, 0.0
1275, 2017/06/08 11:50:45, 0.0
1276, 2017/06/08 11:50:55, 0.0
1277, 2017/06/08 11:51:05, 0.0
1278, 2017/06/08 11:51:15, 0.0
1279, 2017/06/08 11:51:25, 0.0
1280, 2017/06/08 11:51:35, 0.0
1281, 2017/06/08 11:51:45, 0.0
1282, 2017/06/08 11:51:55, 0.0
1283, 2017/06/08 11:52:05, 0.0
1284, 2017/06/08 11:52:15, 0.0
1285, 2017/06/08 11:52:25, 0.0
1286, 2017/06/08 11:52:35, 0.0
1287, 2017/06/08 11:52:45, 0.0
1288, 2017/06/08 11:52:55, 0.0
1289, 2017/06/08 11:53:05, 0.0
1290, 2017/06/08 11:53:15, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

1291, 2017/06/08 11:53:25, 0.0
1292, 2017/06/08 11:53:35, 0.0
1293, 2017/06/08 11:53:45, 0.0
1294, 2017/06/08 11:53:55, 0.0
1295, 2017/06/08 11:54:05, 0.0
1296, 2017/06/08 11:54:15, 0.0
1297, 2017/06/08 11:54:25, 0.0
1298, 2017/06/08 11:54:35, 0.0
1299, 2017/06/08 11:54:45, 0.0
1300, 2017/06/08 11:54:55, 0.0
1301, 2017/06/08 11:55:05, 0.0
1302, 2017/06/08 11:55:15, 0.0
1303, 2017/06/08 11:55:25, 0.0
1304, 2017/06/08 11:55:35, 0.0
1305, 2017/06/08 11:55:45, 0.0
1306, 2017/06/08 11:55:55, 0.0
1307, 2017/06/08 11:56:05, 0.0
1308, 2017/06/08 11:56:15, 0.0
1309, 2017/06/08 11:56:25, 0.0
1310, 2017/06/08 11:56:35, 0.0
1311, 2017/06/08 11:56:45, 0.0
1312, 2017/06/08 11:56:55, 0.0
1313, 2017/06/08 11:57:05, 0.0
1314, 2017/06/08 11:57:15, 0.0
1315, 2017/06/08 11:57:25, 0.0
1316, 2017/06/08 11:57:35, 0.0
1317, 2017/06/08 11:57:45, 0.0
1318, 2017/06/08 11:57:55, 0.0
1319, 2017/06/08 11:58:05, 0.0
1320, 2017/06/08 11:58:15, 0.0
1321, 2017/06/08 11:58:25, 0.0
1322, 2017/06/08 11:58:35, 0.0
1323, 2017/06/08 11:58:45, 0.0
1324, 2017/06/08 11:58:55, 0.0
1325, 2017/06/08 11:59:05, 0.0
1326, 2017/06/08 11:59:15, 0.0
1327, 2017/06/08 11:59:25, 0.0
1328, 2017/06/08 11:59:35, 0.0
1329, 2017/06/08 11:59:45, 0.0
1330, 2017/06/08 11:59:55, 0.0
1331, 2017/06/08 12:00:05, 0.0
1332, 2017/06/08 12:00:15, 0.0
1333, 2017/06/08 12:00:25, 0.0
1334, 2017/06/08 12:00:35, 0.0
1335, 2017/06/08 12:00:45, 0.0
1336, 2017/06/08 12:00:55, 0.0
1337, 2017/06/08 12:01:05, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

1338, 2017/06/08 12:01:15, 0.0
1339, 2017/06/08 12:01:25, 0.0
1340, 2017/06/08 12:01:35, 0.0
1341, 2017/06/08 12:01:45, 0.0
1342, 2017/06/08 12:01:55, 0.0
1343, 2017/06/08 12:02:05, 0.0
1344, 2017/06/08 12:02:15, 0.0
1345, 2017/06/08 12:02:25, 0.0
1346, 2017/06/08 12:02:35, 0.0
1347, 2017/06/08 12:02:45, 0.0
1348, 2017/06/08 12:02:55, 0.0
1349, 2017/06/08 12:03:05, 0.0
1350, 2017/06/08 12:03:15, 0.0
1351, 2017/06/08 12:03:25, 0.0
1352, 2017/06/08 12:03:35, 0.0
1353, 2017/06/08 12:03:45, 0.0
1354, 2017/06/08 12:03:55, 0.0
1355, 2017/06/08 12:04:05, 0.0
1356, 2017/06/08 12:04:15, 0.0
1357, 2017/06/08 12:04:25, 0.0
1358, 2017/06/08 12:04:35, 0.0
1359, 2017/06/08 12:04:45, 0.0
1360, 2017/06/08 12:04:55, 0.0
1361, 2017/06/08 12:05:05, 0.0
1362, 2017/06/08 12:05:15, 0.0
1363, 2017/06/08 12:05:25, 0.0
1364, 2017/06/08 12:05:35, 0.0
1365, 2017/06/08 12:05:45, 0.0
1366, 2017/06/08 12:05:55, 0.0
1367, 2017/06/08 12:06:05, 0.0
1368, 2017/06/08 12:06:15, 0.0
1369, 2017/06/08 12:06:25, 0.0
1370, 2017/06/08 12:06:35, 0.0
1371, 2017/06/08 12:06:45, 0.0
1372, 2017/06/08 12:06:55, 0.0
1373, 2017/06/08 12:07:05, 0.0
1374, 2017/06/08 12:07:15, 0.0
1375, 2017/06/08 12:07:25, 0.0
1376, 2017/06/08 12:07:35, 0.0
1377, 2017/06/08 12:07:45, 0.0
1378, 2017/06/08 12:07:55, 0.0
1379, 2017/06/08 12:08:05, 0.0
1380, 2017/06/08 12:08:15, 0.0
1381, 2017/06/08 12:08:25, 0.0
1382, 2017/06/08 12:08:35, 0.0
1383, 2017/06/08 12:08:45, 0.0
1384, 2017/06/08 12:08:55, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

1385, 2017/06/08 12:09:05, 0.0
1386, 2017/06/08 12:09:15, 0.0
1387, 2017/06/08 12:09:25, 0.0
1388, 2017/06/08 12:09:35, 0.0
1389, 2017/06/08 12:09:45, 0.0
1390, 2017/06/08 12:09:55, 0.0
1391, 2017/06/08 12:10:05, 0.0
1392, 2017/06/08 12:10:15, 0.0
1393, 2017/06/08 12:10:25, 0.0
1394, 2017/06/08 12:10:35, 0.0
1395, 2017/06/08 12:10:45, 0.0
1396, 2017/06/08 12:10:55, 0.0
1397, 2017/06/08 12:11:05, 0.0
1398, 2017/06/08 12:11:15, 0.0
1399, 2017/06/08 12:11:25, 0.0
1400, 2017/06/08 12:11:35, 0.0
1401, 2017/06/08 12:11:45, 0.0
1402, 2017/06/08 12:11:55, 0.0
1403, 2017/06/08 12:12:05, 0.0
1404, 2017/06/08 12:12:15, 0.0
1405, 2017/06/08 12:12:25, 0.0
1406, 2017/06/08 12:12:35, 0.0
1407, 2017/06/08 12:12:45, 0.0
1408, 2017/06/08 12:12:55, 0.0
1409, 2017/06/08 12:13:05, 0.0
1410, 2017/06/08 12:13:15, 0.0
1411, 2017/06/08 12:13:25, 0.0
1412, 2017/06/08 12:13:35, 0.0
1413, 2017/06/08 12:13:45, 0.0
1414, 2017/06/08 12:13:55, 0.0
1415, 2017/06/08 12:14:05, 0.0
1416, 2017/06/08 12:14:15, 0.0
1417, 2017/06/08 12:14:25, 0.0
1418, 2017/06/08 12:14:35, 0.0
1419, 2017/06/08 12:14:45, 0.0
1420, 2017/06/08 12:14:55, 0.0
1421, 2017/06/08 12:15:05, 0.0
1422, 2017/06/08 12:15:15, 0.0
1423, 2017/06/08 12:15:25, 0.0
1424, 2017/06/08 12:15:35, 0.0
1425, 2017/06/08 12:15:45, 0.0
1426, 2017/06/08 12:15:55, 0.0
1427, 2017/06/08 12:16:05, 0.0
1428, 2017/06/08 12:16:15, 0.0
1429, 2017/06/08 12:16:25, 0.0
1430, 2017/06/08 12:16:35, 0.0
1431, 2017/06/08 12:16:45, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

1432, 2017/06/08 12:16:55, 0.0
1433, 2017/06/08 12:17:05, 0.0
1434, 2017/06/08 12:17:15, 0.0
1435, 2017/06/08 12:17:25, 0.0
1436, 2017/06/08 12:17:35, 0.0
1437, 2017/06/08 12:17:45, 0.0
1438, 2017/06/08 12:17:55, 0.0
1439, 2017/06/08 12:18:05, 0.0
1440, 2017/06/08 12:18:15, 0.0
1441, 2017/06/08 12:18:25, 0.0
1442, 2017/06/08 12:18:35, 0.0
1443, 2017/06/08 12:18:45, 0.0
1444, 2017/06/08 12:18:55, 0.0
1445, 2017/06/08 12:19:05, 0.0
1446, 2017/06/08 12:19:15, 0.0
1447, 2017/06/08 12:19:25, 0.0
1448, 2017/06/08 12:19:35, 0.0
1449, 2017/06/08 12:19:45, 0.0
1450, 2017/06/08 12:19:55, 0.0
1451, 2017/06/08 12:20:05, 0.0
1452, 2017/06/08 12:20:15, 0.0
1453, 2017/06/08 12:20:25, 0.0
1454, 2017/06/08 12:20:35, 0.0
1455, 2017/06/08 12:20:45, 0.0
1456, 2017/06/08 12:20:55, 0.0
1457, 2017/06/08 12:21:05, 0.0
1458, 2017/06/08 12:21:15, 0.0
1459, 2017/06/08 12:21:25, 0.0
1460, 2017/06/08 12:21:35, 0.0
1461, 2017/06/08 12:21:45, 0.0
1462, 2017/06/08 12:21:55, 0.0
1463, 2017/06/08 12:22:05, 0.0
1464, 2017/06/08 12:22:15, 0.0
1465, 2017/06/08 12:22:25, 0.0
1466, 2017/06/08 12:22:35, 0.0
1467, 2017/06/08 12:22:45, 0.0
1468, 2017/06/08 12:22:55, 0.0
1469, 2017/06/08 12:23:05, 0.0
1470, 2017/06/08 12:23:15, 0.0
1471, 2017/06/08 12:23:25, 0.0
1472, 2017/06/08 12:23:35, 0.0
1473, 2017/06/08 12:23:45, 0.0
1474, 2017/06/08 12:23:55, 0.0
1475, 2017/06/08 12:24:05, 0.0
1476, 2017/06/08 12:24:15, 0.0
1477, 2017/06/08 12:24:25, 0.0
1478, 2017/06/08 12:24:35, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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1479, 2017/06/08 12:24:45, 0.0
1480, 2017/06/08 12:24:55, 0.0
1481, 2017/06/08 12:25:05, 0.0
1482, 2017/06/08 12:25:15, 0.0
1483, 2017/06/08 12:25:25, 0.0
1484, 2017/06/08 12:25:35, 0.0
1485, 2017/06/08 12:25:45, 0.0
1486, 2017/06/08 12:25:55, 0.0
1487, 2017/06/08 12:26:05, 0.0
1488, 2017/06/08 12:26:15, 0.0
1489, 2017/06/08 12:26:25, 0.0
1490, 2017/06/08 12:26:35, 0.0
1491, 2017/06/08 12:26:45, 0.0
1492, 2017/06/08 12:26:55, 0.0
1493, 2017/06/08 12:27:05, 0.0
1494, 2017/06/08 12:27:15, 0.0
1495, 2017/06/08 12:27:25, 0.0
1496, 2017/06/08 12:27:35, 0.0
1497, 2017/06/08 12:27:45, 0.0
1498, 2017/06/08 12:27:55, 0.0
1499, 2017/06/08 12:28:05, 0.0
1500, 2017/06/08 12:28:15, 0.0
1501, 2017/06/08 12:28:25, 0.0
1502, 2017/06/08 12:28:35, 0.0
1503, 2017/06/08 12:28:45, 0.0
1504, 2017/06/08 12:28:55, 0.0
1505, 2017/06/08 12:29:05, 0.0
1506, 2017/06/08 12:29:15, 0.0
1507, 2017/06/08 12:29:25, 0.0
1508, 2017/06/08 12:29:35, 0.0
1509, 2017/06/08 12:29:45, 0.0
1510, 2017/06/08 12:29:55, 0.0
1511, 2017/06/08 12:30:05, 0.0
1512, 2017/06/08 12:30:15, 0.0
1513, 2017/06/08 12:30:25, 0.0
1514, 2017/06/08 12:30:35, 0.0
1515, 2017/06/08 12:30:45, 0.0
1516, 2017/06/08 12:30:55, 0.0
1517, 2017/06/08 12:31:05, 0.0
1518, 2017/06/08 12:31:15, 0.0
1519, 2017/06/08 12:31:25, 0.0
1520, 2017/06/08 12:31:35, 0.0
1521, 2017/06/08 12:31:45, 0.0
1522, 2017/06/08 12:31:55, 0.0
1523, 2017/06/08 12:32:05, 0.0
1524, 2017/06/08 12:32:15, 0.0
1525, 2017/06/08 12:32:25, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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1526, 2017/06/08 12:32:35, 0.0
1527, 2017/06/08 12:32:45, 0.0
1528, 2017/06/08 12:32:55, 0.0
1529, 2017/06/08 12:33:05, 0.0
1530, 2017/06/08 12:33:15, 0.0
1531, 2017/06/08 12:33:25, 0.0
1532, 2017/06/08 12:33:35, 0.0
1533, 2017/06/08 12:33:45, 0.0
1534, 2017/06/08 12:33:55, 0.0
1535, 2017/06/08 12:34:05, 0.0
1536, 2017/06/08 12:34:15, 0.0
1537, 2017/06/08 12:34:25, 0.0
1538, 2017/06/08 12:34:35, 0.0
1539, 2017/06/08 12:34:45, 0.0
1540, 2017/06/08 12:34:55, 0.0
1541, 2017/06/08 12:35:05, 0.0
1542, 2017/06/08 12:35:15, 0.0
1543, 2017/06/08 12:35:25, 0.0
1544, 2017/06/08 12:35:35, 0.0
1545, 2017/06/08 12:35:45, 0.0
1546, 2017/06/08 12:35:55, 0.0
1547, 2017/06/08 12:36:05, 0.0
1548, 2017/06/08 12:36:15, 0.0
1549, 2017/06/08 12:36:25, 0.0
1550, 2017/06/08 12:36:35, 0.0
1551, 2017/06/08 12:36:45, 0.0
1552, 2017/06/08 12:36:55, 0.0
1553, 2017/06/08 12:37:05, 0.0
1554, 2017/06/08 12:37:15, 0.0
1555, 2017/06/08 12:37:25, 0.0
1556, 2017/06/08 12:37:35, 0.0
1557, 2017/06/08 12:37:45, 0.0
1558, 2017/06/08 12:37:55, 0.0
1559, 2017/06/08 12:38:05, 0.0
1560, 2017/06/08 12:38:15, 0.0
1561, 2017/06/08 12:38:25, 0.0
1562, 2017/06/08 12:38:35, 0.0
1563, 2017/06/08 12:38:45, 0.0
1564, 2017/06/08 12:38:55, 0.0
1565, 2017/06/08 12:39:05, 0.0
1566, 2017/06/08 12:39:15, 0.0
1567, 2017/06/08 12:39:25, 0.0
1568, 2017/06/08 12:39:35, 0.0
1569, 2017/06/08 12:39:45, 0.0
1570, 2017/06/08 12:39:55, 0.0
1571, 2017/06/08 12:40:05, 0.0
1572, 2017/06/08 12:40:15, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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1573, 2017/06/08 12:40:25, 0.0
1574, 2017/06/08 12:40:35, 0.0
1575, 2017/06/08 12:40:45, 0.0
1576, 2017/06/08 12:40:55, 0.0
1577, 2017/06/08 12:41:05, 0.0
1578, 2017/06/08 12:41:15, 0.0
1579, 2017/06/08 12:41:25, 0.0
1580, 2017/06/08 12:41:35, 0.0
1581, 2017/06/08 12:41:45, 0.0
1582, 2017/06/08 12:41:55, 0.0
1583, 2017/06/08 12:42:05, 0.0
1584, 2017/06/08 12:42:15, 0.0
1585, 2017/06/08 12:42:25, 0.0
1586, 2017/06/08 12:42:35, 0.0
1587, 2017/06/08 12:42:45, 0.0
1588, 2017/06/08 12:42:55, 0.0
1589, 2017/06/08 12:43:05, 0.0
1590, 2017/06/08 12:43:15, 0.0
1591, 2017/06/08 12:43:25, 0.0
1592, 2017/06/08 12:43:35, 0.0
1593, 2017/06/08 12:43:45, 0.0
1594, 2017/06/08 12:43:55, 0.0
1595, 2017/06/08 12:44:05, 0.0
1596, 2017/06/08 12:44:15, 0.0
1597, 2017/06/08 12:44:25, 0.0
1598, 2017/06/08 12:44:35, 0.0
1599, 2017/06/08 12:44:45, 0.0
1600, 2017/06/08 12:44:55, 0.0
1601, 2017/06/08 12:45:05, 0.0
1602, 2017/06/08 12:45:15, 0.0
1603, 2017/06/08 12:45:25, 0.0
1604, 2017/06/08 12:45:35, 0.0
1605, 2017/06/08 12:45:45, 0.0
1606, 2017/06/08 12:45:55, 0.0
1607, 2017/06/08 12:46:05, 0.0
1608, 2017/06/08 12:46:15, 0.0
1609, 2017/06/08 12:46:25, 0.0
1610, 2017/06/08 12:46:35, 0.0
1611, 2017/06/08 12:46:45, 0.0
1612, 2017/06/08 12:46:55, 0.0
1613, 2017/06/08 12:47:05, 0.0
1614, 2017/06/08 12:47:15, 0.0
1615, 2017/06/08 12:47:25, 0.0
1616, 2017/06/08 12:47:35, 0.0
1617, 2017/06/08 12:47:45, 0.0
1618, 2017/06/08 12:47:55, 0.0
1619, 2017/06/08 12:48:05, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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1620, 2017/06/08 12:48:15, 0.0
1621, 2017/06/08 12:48:25, 0.0
1622, 2017/06/08 12:48:35, 0.0
1623, 2017/06/08 12:48:45, 0.0
1624, 2017/06/08 12:48:55, 0.0
1625, 2017/06/08 12:49:05, 0.0
1626, 2017/06/08 12:49:15, 0.0
1627, 2017/06/08 12:49:25, 0.0
1628, 2017/06/08 12:49:35, 0.0
1629, 2017/06/08 12:49:45, 0.0
1630, 2017/06/08 12:49:55, 0.0
1631, 2017/06/08 12:50:05, 0.0
1632, 2017/06/08 12:50:15, 0.0
1633, 2017/06/08 12:50:25, 0.0
1634, 2017/06/08 12:50:35, 0.0
1635, 2017/06/08 12:50:45, 0.0
1636, 2017/06/08 12:50:55, 0.0
1637, 2017/06/08 12:51:05, 0.0
1638, 2017/06/08 12:51:15, 0.0
1639, 2017/06/08 12:51:25, 0.0
1640, 2017/06/08 12:51:35, 0.0
1641, 2017/06/08 12:51:45, 0.0
1642, 2017/06/08 12:51:55, 0.0
1643, 2017/06/08 12:52:05, 0.0
1644, 2017/06/08 12:52:15, 0.0
1645, 2017/06/08 12:52:25, 0.0
1646, 2017/06/08 12:52:35, 0.0
1647, 2017/06/08 12:52:45, 0.0
1648, 2017/06/08 12:52:55, 0.0
1649, 2017/06/08 12:53:05, 0.0
1650, 2017/06/08 12:53:15, 0.0
1651, 2017/06/08 12:53:25, 0.0
1652, 2017/06/08 12:53:35, 0.0
1653, 2017/06/08 12:53:45, 0.0
1654, 2017/06/08 12:53:55, 0.0
1655, 2017/06/08 12:54:05, 0.0
1656, 2017/06/08 12:54:15, 0.0
1657, 2017/06/08 12:54:25, 0.0
1658, 2017/06/08 12:54:35, 0.0
1659, 2017/06/08 12:54:45, 0.0
1660, 2017/06/08 12:54:55, 0.0
1661, 2017/06/08 12:55:05, 0.0
1662, 2017/06/08 12:55:15, 0.0
1663, 2017/06/08 12:55:25, 0.0
1664, 2017/06/08 12:55:35, 0.0
1665, 2017/06/08 12:55:45, 0.0
1666, 2017/06/08 12:55:55, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

1667, 2017/06/08 12:56:05, 0.0
1668, 2017/06/08 12:56:15, 0.0
1669, 2017/06/08 12:56:25, 0.0
1670, 2017/06/08 12:56:35, 0.0
1671, 2017/06/08 12:56:45, 0.0
1672, 2017/06/08 12:56:55, 0.0
1673, 2017/06/08 12:57:05, 0.0
1674, 2017/06/08 12:57:15, 0.0
1675, 2017/06/08 12:57:25, 0.0
1676, 2017/06/08 12:57:35, 0.0
1677, 2017/06/08 12:57:45, 0.0
1678, 2017/06/08 12:57:55, 0.0
1679, 2017/06/08 12:58:05, 0.0
1680, 2017/06/08 12:58:15, 0.0
1681, 2017/06/08 12:58:25, 0.0
1682, 2017/06/08 12:58:35, 0.0
1683, 2017/06/08 12:58:45, 0.0
1684, 2017/06/08 12:58:55, 0.0
1685, 2017/06/08 12:59:05, 0.0
1686, 2017/06/08 12:59:15, 0.0
1687, 2017/06/08 12:59:25, 0.0
1688, 2017/06/08 12:59:35, 0.0
1689, 2017/06/08 12:59:45, 0.0
1690, 2017/06/08 12:59:55, 0.0
1691, 2017/06/08 13:00:05, 0.0
1692, 2017/06/08 13:00:15, 0.0
1693, 2017/06/08 13:00:25, 0.0
1694, 2017/06/08 13:00:35, 0.0
1695, 2017/06/08 13:00:45, 0.0
1696, 2017/06/08 13:00:55, 0.0
1697, 2017/06/08 13:01:05, 0.0
1698, 2017/06/08 13:01:15, 0.0
1699, 2017/06/08 13:01:25, 0.0
1700, 2017/06/08 13:01:35, 0.0
1701, 2017/06/08 13:01:45, 0.0
1702, 2017/06/08 13:01:55, 0.0
1703, 2017/06/08 13:02:05, 0.0
1704, 2017/06/08 13:02:15, 0.0
1705, 2017/06/08 13:02:25, 0.0
1706, 2017/06/08 13:02:35, 0.0
1707, 2017/06/08 13:02:45, 0.0
1708, 2017/06/08 13:02:55, 0.0
1709, 2017/06/08 13:03:05, 0.0
1710, 2017/06/08 13:03:15, 0.0
1711, 2017/06/08 13:03:25, 0.0
1712, 2017/06/08 13:03:35, 0.0
1713, 2017/06/08 13:03:45, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

1714, 2017/06/08 13:03:55, 0.0
1715, 2017/06/08 13:04:05, 0.0
1716, 2017/06/08 13:04:15, 0.0
1717, 2017/06/08 13:04:25, 0.0
1718, 2017/06/08 13:04:35, 0.0
1719, 2017/06/08 13:04:45, 0.0
1720, 2017/06/08 13:04:55, 0.0
1721, 2017/06/08 13:05:05, 0.0
1722, 2017/06/08 13:05:15, 0.0
1723, 2017/06/08 13:05:25, 0.0
1724, 2017/06/08 13:05:35, 0.0
1725, 2017/06/08 13:05:45, 0.0
1726, 2017/06/08 13:05:55, 0.0
1727, 2017/06/08 13:06:05, 0.0
1728, 2017/06/08 13:06:15, 0.0
1729, 2017/06/08 13:06:25, 0.0
1730, 2017/06/08 13:06:35, 0.0
1731, 2017/06/08 13:06:45, 0.0
1732, 2017/06/08 13:06:55, 0.0
1733, 2017/06/08 13:07:05, 0.0
1734, 2017/06/08 13:07:15, 0.0
1735, 2017/06/08 13:07:25, 0.0
1736, 2017/06/08 13:07:35, 0.0
1737, 2017/06/08 13:07:45, 0.0
1738, 2017/06/08 13:07:55, 0.0
1739, 2017/06/08 13:08:05, 0.0
1740, 2017/06/08 13:08:15, 0.0
1741, 2017/06/08 13:08:25, 0.0
1742, 2017/06/08 13:08:35, 0.0
1743, 2017/06/08 13:08:45, 0.0
1744, 2017/06/08 13:08:55, 0.0
1745, 2017/06/08 13:09:05, 0.0
1746, 2017/06/08 13:09:15, 0.0
1747, 2017/06/08 13:09:25, 0.0
1748, 2017/06/08 13:09:35, 0.0
1749, 2017/06/08 13:09:45, 0.0
1750, 2017/06/08 13:09:55, 0.0
1751, 2017/06/08 13:10:05, 0.0
1752, 2017/06/08 13:10:15, 0.0
1753, 2017/06/08 13:10:25, 0.0
1754, 2017/06/08 13:10:35, 0.0
1755, 2017/06/08 13:10:45, 0.0
1756, 2017/06/08 13:10:55, 0.0
1757, 2017/06/08 13:11:05, 0.0
1758, 2017/06/08 13:11:15, 0.0
1759, 2017/06/08 13:11:25, 0.0
1760, 2017/06/08 13:11:35, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

1761, 2017/06/08 13:11:45, 0.0
1762, 2017/06/08 13:11:55, 0.0
1763, 2017/06/08 13:12:05, 0.0
1764, 2017/06/08 13:12:15, 0.0
1765, 2017/06/08 13:12:25, 0.0
1766, 2017/06/08 13:12:35, 0.0
1767, 2017/06/08 13:12:45, 0.0
1768, 2017/06/08 13:12:55, 0.0
1769, 2017/06/08 13:13:05, 0.0
1770, 2017/06/08 13:13:15, 0.0
1771, 2017/06/08 13:13:25, 0.0
1772, 2017/06/08 13:13:35, 0.0
1773, 2017/06/08 13:13:45, 0.0
1774, 2017/06/08 13:13:55, 0.0
1775, 2017/06/08 13:14:05, 0.0
1776, 2017/06/08 13:14:15, 0.0
1777, 2017/06/08 13:14:25, 0.0
1778, 2017/06/08 13:14:35, 0.0
1779, 2017/06/08 13:14:45, 0.0
1780, 2017/06/08 13:14:55, 0.0
1781, 2017/06/08 13:15:05, 0.0
1782, 2017/06/08 13:15:15, 0.0
1783, 2017/06/08 13:15:25, 0.0
1784, 2017/06/08 13:15:35, 0.0
1785, 2017/06/08 13:15:45, 0.0
1786, 2017/06/08 13:15:55, 0.0
1787, 2017/06/08 13:16:05, 0.0
1788, 2017/06/08 13:16:15, 0.0
1789, 2017/06/08 13:16:25, 0.0
1790, 2017/06/08 13:16:35, 0.0
1791, 2017/06/08 13:16:45, 0.0
1792, 2017/06/08 13:16:55, 0.0
1793, 2017/06/08 13:17:05, 0.0
1794, 2017/06/08 13:17:15, 0.0
1795, 2017/06/08 13:17:25, 0.0
1796, 2017/06/08 13:17:35, 0.0
1797, 2017/06/08 13:17:45, 0.0
1798, 2017/06/08 13:17:55, 0.0
1799, 2017/06/08 13:18:05, 0.0
1800, 2017/06/08 13:18:15, 0.0
1801, 2017/06/08 13:18:25, 0.0
1802, 2017/06/08 13:18:35, 0.0
1803, 2017/06/08 13:18:45, 0.0
1804, 2017/06/08 13:18:55, 0.0
1805, 2017/06/08 13:19:05, 0.0
1806, 2017/06/08 13:19:15, 0.0
1807, 2017/06/08 13:19:25, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

1808, 2017/06/08 13:19:35, 0.0
1809, 2017/06/08 13:19:45, 0.0
1810, 2017/06/08 13:19:55, 0.0
1811, 2017/06/08 13:20:05, 0.0
1812, 2017/06/08 13:20:15, 0.0
1813, 2017/06/08 13:20:25, 0.0
1814, 2017/06/08 13:20:35, 0.0
1815, 2017/06/08 13:20:45, 0.0
1816, 2017/06/08 13:20:55, 0.0
1817, 2017/06/08 13:21:05, 0.0
1818, 2017/06/08 13:21:15, 0.0
1819, 2017/06/08 13:21:25, 0.0
1820, 2017/06/08 13:21:35, 0.0
1821, 2017/06/08 13:21:45, 0.0
1822, 2017/06/08 13:21:55, 0.0
1823, 2017/06/08 13:22:05, 0.0
1824, 2017/06/08 13:22:15, 0.0
1825, 2017/06/08 13:22:25, 0.0
1826, 2017/06/08 13:22:35, 0.0
1827, 2017/06/08 13:22:45, 0.0
1828, 2017/06/08 13:22:55, 0.0
1829, 2017/06/08 13:23:05, 0.0
1830, 2017/06/08 13:23:15, 0.0
1831, 2017/06/08 13:23:25, 0.0
1832, 2017/06/08 13:23:35, 0.0
1833, 2017/06/08 13:23:45, 0.0
1834, 2017/06/08 13:23:55, 0.0
1835, 2017/06/08 13:24:05, 0.0
1836, 2017/06/08 13:24:15, 0.0
1837, 2017/06/08 13:24:25, 0.0
1838, 2017/06/08 13:24:35, 0.0
1839, 2017/06/08 13:24:45, 0.0
1840, 2017/06/08 13:24:55, 0.0
1841, 2017/06/08 13:25:05, 0.0
1842, 2017/06/08 13:25:15, 0.0
1843, 2017/06/08 13:25:25, 0.0
1844, 2017/06/08 13:25:35, 0.0
1845, 2017/06/08 13:25:45, 0.0
1846, 2017/06/08 13:25:55, 0.0
1847, 2017/06/08 13:26:05, 0.0
1848, 2017/06/08 13:26:15, 0.0
1849, 2017/06/08 13:26:25, 0.0
1850, 2017/06/08 13:26:35, 0.0
1851, 2017/06/08 13:26:45, 0.0
1852, 2017/06/08 13:26:55, 0.0
1853, 2017/06/08 13:27:05, 0.0
1854, 2017/06/08 13:27:15, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

1855, 2017/06/08 13:27:25, 0.0
1856, 2017/06/08 13:27:35, 0.0
1857, 2017/06/08 13:27:45, 0.0
1858, 2017/06/08 13:27:55, 0.0
1859, 2017/06/08 13:28:05, 0.0
1860, 2017/06/08 13:28:15, 0.0
1861, 2017/06/08 13:28:25, 0.0
1862, 2017/06/08 13:28:35, 0.0
1863, 2017/06/08 13:28:45, 0.0
1864, 2017/06/08 13:28:55, 0.0
1865, 2017/06/08 13:29:05, 0.0
1866, 2017/06/08 13:29:15, 0.0
1867, 2017/06/08 13:29:25, 0.0
1868, 2017/06/08 13:29:35, 0.0
1869, 2017/06/08 13:29:45, 0.0
1870, 2017/06/08 13:29:55, 0.0
1871, 2017/06/08 13:30:05, 0.0
1872, 2017/06/08 13:30:15, 0.0
1873, 2017/06/08 13:30:25, 0.0
1874, 2017/06/08 13:30:35, 0.0
1875, 2017/06/08 13:30:45, 0.0
1876, 2017/06/08 13:30:55, 0.0
1877, 2017/06/08 13:31:05, 0.0
1878, 2017/06/08 13:31:15, 0.0
1879, 2017/06/08 13:31:25, 0.0
1880, 2017/06/08 13:31:35, 0.0
1881, 2017/06/08 13:31:45, 0.0
1882, 2017/06/08 13:31:55, 0.0
1883, 2017/06/08 13:32:05, 0.0
1884, 2017/06/08 13:32:15, 0.0
1885, 2017/06/08 13:32:25, 0.0
1886, 2017/06/08 13:32:35, 0.0
1887, 2017/06/08 13:32:45, 0.0
1888, 2017/06/08 13:32:55, 0.0
1889, 2017/06/08 13:33:05, 0.0
1890, 2017/06/08 13:33:15, 0.0
1891, 2017/06/08 13:33:25, 0.0
1892, 2017/06/08 13:33:35, 0.0
1893, 2017/06/08 13:33:45, 0.0
1894, 2017/06/08 13:33:55, 0.0
1895, 2017/06/08 13:34:05, 0.0
1896, 2017/06/08 13:34:15, 0.0
1897, 2017/06/08 13:34:25, 0.0
1898, 2017/06/08 13:34:35, 0.0
1899, 2017/06/08 13:34:45, 0.0
1900, 2017/06/08 13:34:55, 0.0
1901, 2017/06/08 13:35:05, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

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1902, 2017/06/08 13:35:15, 0.0
1903, 2017/06/08 13:35:25, 0.0
1904, 2017/06/08 13:35:35, 0.0
1905, 2017/06/08 13:35:45, 0.0
1906, 2017/06/08 13:35:55, 0.0
1907, 2017/06/08 13:36:05, 0.0
1908, 2017/06/08 13:36:15, 0.0
1909, 2017/06/08 13:36:25, 0.0
1910, 2017/06/08 13:36:35, 0.0
1911, 2017/06/08 13:36:45, 0.0
1912, 2017/06/08 13:36:55, 0.0
1913, 2017/06/08 13:37:05, 0.0
1914, 2017/06/08 13:37:15, 0.0
1915, 2017/06/08 13:37:25, 0.0
1916, 2017/06/08 13:37:35, 0.0
1917, 2017/06/08 13:37:45, 0.0
1918, 2017/06/08 13:37:55, 0.0
1919, 2017/06/08 13:38:05, 0.0
1920, 2017/06/08 13:38:15, 0.0
1921, 2017/06/08 13:38:25, 0.0
1922, 2017/06/08 13:38:35, 0.0
1923, 2017/06/08 13:38:45, 0.0
1924, 2017/06/08 13:38:55, 0.0
1925, 2017/06/08 13:39:05, 0.0
1926, 2017/06/08 13:39:15, 0.0
1927, 2017/06/08 13:39:25, 0.0
1928, 2017/06/08 13:39:35, 0.0
1929, 2017/06/08 13:39:45, 0.0
1930, 2017/06/08 13:39:55, 0.0
Peak, , 0.1
Min, , 0.0
Average, , 0.0

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17/06/09 08:26
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-919025
Unit Firmware Ver	V2.14

Running Mode	Hygiene Mode
Datalog Mode	Manual
Diagnostic Mode	No
Stop Reason	Stop by User

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

Site ID	RAE00000
User ID	USER0000
Begin	6/9/2017 8:26
End	6/9/2017 9:10
Sample Period(s)	10
Number of Records	264
Sensor	PID(ppm)
Sensor SN	S023030183U3
Measure Type	Avg
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	6/8/2017 8:15
Peak	N/A
Min	N/A
Average	N/A

Datalog
, , PID(ppm)
Index, Date/Time, (Avg)
001, 2017/06/09 08:26:27, 0.0
002, 2017/06/09 08:26:37, 0.0
003, 2017/06/09 08:26:47, 0.0
004, 2017/06/09 08:26:57, 0.0
005, 2017/06/09 08:27:07, 0.0
006, 2017/06/09 08:27:17, 0.0
007, 2017/06/09 08:27:27, 0.0
008, 2017/06/09 08:27:37, 0.0
009, 2017/06/09 08:27:47, 0.0
010, 2017/06/09 08:27:57, 0.0
011, 2017/06/09 08:28:07, 0.0
012, 2017/06/09 08:28:17, 0.0
013, 2017/06/09 08:28:27, 0.0
014, 2017/06/09 08:28:37, 0.0
015, 2017/06/09 08:28:47, 0.0
016, 2017/06/09 08:28:57, 0.0
017, 2017/06/09 08:29:07, 0.0
018, 2017/06/09 08:29:17, 0.0
019, 2017/06/09 08:29:27, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

020, 2017/06/09 08:29:37, 0.0
021, 2017/06/09 08:29:47, 0.0
022, 2017/06/09 08:29:57, 0.0
023, 2017/06/09 08:30:07, 0.0
024, 2017/06/09 08:30:17, 0.0
025, 2017/06/09 08:30:27, 0.0
026, 2017/06/09 08:30:37, 0.0
027, 2017/06/09 08:30:47, 0.0
028, 2017/06/09 08:30:57, 0.0
029, 2017/06/09 08:31:07, 0.0
030, 2017/06/09 08:31:17, 0.0
031, 2017/06/09 08:31:27, 0.0
032, 2017/06/09 08:31:37, 0.0
033, 2017/06/09 08:31:47, 0.0
034, 2017/06/09 08:31:57, 0.0
035, 2017/06/09 08:32:07, 0.0
036, 2017/06/09 08:32:17, 0.0
037, 2017/06/09 08:32:27, 0.0
038, 2017/06/09 08:32:37, 0.0
039, 2017/06/09 08:32:47, 0.0
040, 2017/06/09 08:32:57, 0.0
041, 2017/06/09 08:33:07, 0.0
042, 2017/06/09 08:33:17, 0.0
043, 2017/06/09 08:33:27, 0.0
044, 2017/06/09 08:33:37, 0.0
045, 2017/06/09 08:33:47, 0.0
046, 2017/06/09 08:33:57, 0.0
047, 2017/06/09 08:34:07, 0.0
048, 2017/06/09 08:34:17, 0.0
049, 2017/06/09 08:34:27, 0.0
050, 2017/06/09 08:34:37, 0.0
051, 2017/06/09 08:34:47, 0.0
052, 2017/06/09 08:34:57, 0.0
053, 2017/06/09 08:35:07, 0.0
054, 2017/06/09 08:35:17, 0.0
055, 2017/06/09 08:35:27, 0.0
056, 2017/06/09 08:35:37, 0.0
057, 2017/06/09 08:35:47, 0.0
058, 2017/06/09 08:35:57, 0.0
059, 2017/06/09 08:36:07, 0.0
060, 2017/06/09 08:36:17, 0.0
061, 2017/06/09 08:36:27, 0.0
062, 2017/06/09 08:36:37, 0.0
063, 2017/06/09 08:36:47, 0.0
064, 2017/06/09 08:36:57, 0.0
065, 2017/06/09 08:37:07, 0.0
066, 2017/06/09 08:37:17, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

067, 2017/06/09 08:37:27, 0.0
068, 2017/06/09 08:37:37, 0.0
069, 2017/06/09 08:37:47, 0.0
070, 2017/06/09 08:37:57, 0.0
071, 2017/06/09 08:38:07, 0.0
072, 2017/06/09 08:38:17, 0.0
073, 2017/06/09 08:38:27, 0.0
074, 2017/06/09 08:38:37, 0.0
075, 2017/06/09 08:38:47, 0.0
076, 2017/06/09 08:38:57, 0.0
077, 2017/06/09 08:39:07, 0.0
078, 2017/06/09 08:39:17, 0.0
079, 2017/06/09 08:39:27, 0.0
080, 2017/06/09 08:39:37, 0.0
081, 2017/06/09 08:39:47, 0.0
082, 2017/06/09 08:39:57, 0.0
083, 2017/06/09 08:40:07, 0.0
084, 2017/06/09 08:40:17, 0.0
085, 2017/06/09 08:40:27, 0.0
086, 2017/06/09 08:40:37, 0.0
087, 2017/06/09 08:40:47, 0.0
088, 2017/06/09 08:40:57, 0.0
089, 2017/06/09 08:41:07, 0.0
090, 2017/06/09 08:41:17, 0.0
091, 2017/06/09 08:41:27, 0.0
092, 2017/06/09 08:41:37, 0.0
093, 2017/06/09 08:41:47, 0.0
094, 2017/06/09 08:41:57, 0.0
095, 2017/06/09 08:42:07, 0.0
096, 2017/06/09 08:42:17, 0.0
097, 2017/06/09 08:42:27, 0.0
098, 2017/06/09 08:42:37, 0.0
099, 2017/06/09 08:42:47, 0.0
100, 2017/06/09 08:42:57, 0.0
101, 2017/06/09 08:43:07, 0.0
102, 2017/06/09 08:43:17, 0.0
103, 2017/06/09 08:43:27, 0.0
104, 2017/06/09 08:43:37, 0.0
105, 2017/06/09 08:43:47, 0.0
106, 2017/06/09 08:43:57, 0.0
107, 2017/06/09 08:44:07, 0.0
108, 2017/06/09 08:44:17, 0.0
109, 2017/06/09 08:44:27, 0.0
110, 2017/06/09 08:44:37, 0.0
111, 2017/06/09 08:44:47, 0.0
112, 2017/06/09 08:44:57, 0.0
113, 2017/06/09 08:45:07, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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114, 2017/06/09 08:45:17, 0.0
115, 2017/06/09 08:45:27, 0.0
116, 2017/06/09 08:45:37, 0.0
117, 2017/06/09 08:45:47, 0.0
118, 2017/06/09 08:45:57, 0.0
119, 2017/06/09 08:46:07, 0.0
120, 2017/06/09 08:46:17, 0.0
121, 2017/06/09 08:46:27, 0.0
122, 2017/06/09 08:46:37, 0.0
123, 2017/06/09 08:46:47, 0.0
124, 2017/06/09 08:46:57, 0.0
125, 2017/06/09 08:47:07, 0.0
126, 2017/06/09 08:47:17, 0.0
127, 2017/06/09 08:47:27, 0.0
128, 2017/06/09 08:47:37, 0.0
129, 2017/06/09 08:47:47, 0.0
130, 2017/06/09 08:47:57, 0.0
131, 2017/06/09 08:48:07, 0.0
132, 2017/06/09 08:48:17, 0.0
133, 2017/06/09 08:48:27, 0.0
134, 2017/06/09 08:48:37, 0.0
135, 2017/06/09 08:48:47, 0.0
136, 2017/06/09 08:48:57, 0.0
137, 2017/06/09 08:49:07, 0.0
138, 2017/06/09 08:49:17, 0.0
139, 2017/06/09 08:49:27, 0.0
140, 2017/06/09 08:49:37, 0.0
141, 2017/06/09 08:49:47, 0.0
142, 2017/06/09 08:49:57, 0.0
143, 2017/06/09 08:50:07, 0.0
144, 2017/06/09 08:50:17, 0.0
145, 2017/06/09 08:50:27, 0.0
146, 2017/06/09 08:50:37, 0.0
147, 2017/06/09 08:50:47, 0.0
148, 2017/06/09 08:50:57, 0.0
149, 2017/06/09 08:51:07, 0.0
150, 2017/06/09 08:51:17, 0.0
151, 2017/06/09 08:51:27, 0.0
152, 2017/06/09 08:51:37, 0.0
153, 2017/06/09 08:51:47, 0.0
154, 2017/06/09 08:51:57, 0.0
155, 2017/06/09 08:52:07, 0.0
156, 2017/06/09 08:52:17, 0.0
157, 2017/06/09 08:52:27, 0.0
158, 2017/06/09 08:52:37, 0.0
159, 2017/06/09 08:52:47, 0.0
160, 2017/06/09 08:52:57, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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161, 2017/06/09 08:53:07, 0.0
162, 2017/06/09 08:53:17, 0.0
163, 2017/06/09 08:53:27, 0.0
164, 2017/06/09 08:53:37, 0.0
165, 2017/06/09 08:53:47, 0.0
166, 2017/06/09 08:53:57, 0.0
167, 2017/06/09 08:54:07, 0.0
168, 2017/06/09 08:54:17, 0.0
169, 2017/06/09 08:54:27, 0.0
170, 2017/06/09 08:54:37, 0.0
171, 2017/06/09 08:54:47, 0.0
172, 2017/06/09 08:54:57, 0.0
173, 2017/06/09 08:55:07, 0.0
174, 2017/06/09 08:55:17, 0.0
175, 2017/06/09 08:55:27, 0.0
176, 2017/06/09 08:55:37, 0.0
177, 2017/06/09 08:55:47, 0.0
178, 2017/06/09 08:55:57, 0.0
179, 2017/06/09 08:56:07, 0.0
180, 2017/06/09 08:56:17, 0.0
181, 2017/06/09 08:56:27, 0.0
182, 2017/06/09 08:56:37, 0.0
183, 2017/06/09 08:56:47, 0.0
184, 2017/06/09 08:56:57, 0.0
185, 2017/06/09 08:57:07, 0.0
186, 2017/06/09 08:57:17, 0.0
187, 2017/06/09 08:57:27, 0.0
188, 2017/06/09 08:57:37, 0.0
189, 2017/06/09 08:57:47, 0.0
190, 2017/06/09 08:57:57, 0.0
191, 2017/06/09 08:58:07, 0.0
192, 2017/06/09 08:58:17, 0.0
193, 2017/06/09 08:58:27, 0.0
194, 2017/06/09 08:58:37, 0.0
195, 2017/06/09 08:58:47, 0.0
196, 2017/06/09 08:58:57, 0.0
197, 2017/06/09 08:59:07, 0.0
198, 2017/06/09 08:59:17, 0.0
199, 2017/06/09 08:59:27, 0.0
200, 2017/06/09 08:59:37, 0.0
201, 2017/06/09 08:59:47, 0.0
202, 2017/06/09 08:59:57, 0.0
203, 2017/06/09 09:00:07, 0.0
204, 2017/06/09 09:00:17, 0.0
205, 2017/06/09 09:00:27, 0.0
206, 2017/06/09 09:00:37, 0.0
207, 2017/06/09 09:00:47, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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208, 2017/06/09 09:00:57, 0.0
209, 2017/06/09 09:01:07, 0.0
210, 2017/06/09 09:01:17, 0.0
211, 2017/06/09 09:01:27, 0.0
212, 2017/06/09 09:01:37, 0.0
213, 2017/06/09 09:01:47, 0.0
214, 2017/06/09 09:01:57, 0.0
215, 2017/06/09 09:02:07, 0.0
216, 2017/06/09 09:02:17, 0.0
217, 2017/06/09 09:02:27, 0.0
218, 2017/06/09 09:02:37, 0.0
219, 2017/06/09 09:02:47, 0.0
220, 2017/06/09 09:02:57, 0.0
221, 2017/06/09 09:03:07, 0.0
222, 2017/06/09 09:03:17, 0.0
223, 2017/06/09 09:03:27, 0.0
224, 2017/06/09 09:03:37, 0.0
225, 2017/06/09 09:03:47, 0.0
226, 2017/06/09 09:03:57, 0.0
227, 2017/06/09 09:04:07, 0.0
228, 2017/06/09 09:04:17, 0.0
229, 2017/06/09 09:04:27, 0.0
230, 2017/06/09 09:04:37, 0.0
231, 2017/06/09 09:04:47, 0.0
232, 2017/06/09 09:04:57, 0.0
233, 2017/06/09 09:05:07, 0.0
234, 2017/06/09 09:05:17, 0.0
235, 2017/06/09 09:05:27, 0.0
236, 2017/06/09 09:05:37, 0.0
237, 2017/06/09 09:05:47, 0.0
238, 2017/06/09 09:05:57, 0.0
239, 2017/06/09 09:06:07, 0.0
240, 2017/06/09 09:06:17, 0.0
241, 2017/06/09 09:06:27, 0.0
242, 2017/06/09 09:06:37, 0.0
243, 2017/06/09 09:06:47, 0.1
244, 2017/06/09 09:06:57, 0.0
245, 2017/06/09 09:07:07, 0.0
246, 2017/06/09 09:07:17, 0.0
247, 2017/06/09 09:07:27, 0.0
248, 2017/06/09 09:07:37, 0.0
249, 2017/06/09 09:07:47, 0.0
250, 2017/06/09 09:07:57, 0.0
251, 2017/06/09 09:08:07, 0.0
252, 2017/06/09 09:08:17, 0.0
253, 2017/06/09 09:08:27, 0.0
254, 2017/06/09 09:08:37, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

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255, 2017/06/09 09:08:47, 0.0
256, 2017/06/09 09:08:57, 0.0
257, 2017/06/09 09:09:07, 0.0
258, 2017/06/09 09:09:17, 0.0
259, 2017/06/09 09:09:27, 0.0
260, 2017/06/09 09:09:37, 0.0
261, 2017/06/09 09:09:47, 0.0
262, 2017/06/09 09:09:57, 0.0
263, 2017/06/09 09:10:07, 0.0
264, 2017/06/09 09:10:17, 0.0
Peak, , 0.1
Min, , 0.0
Average, , 0.0

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17/06/13 08:10

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-919025
Unit Firmware Ver	V2.14
Running Mode	Hygiene Mode
Datalog Mode	Manual
Diagnostic Mode	No
Stop Reason	Stop by User
Site ID	RAE00000
User ID	USER0000
Begin	6/13/2017 8:10
End	6/13/2017 8:11
Sample Period(s)	10
Number of Records	4
Sensor	PID(ppm)
Sensor SN	S023030183U3
Measure Type	Avg
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

Calibration Time	6/13/2017 7:38
Peak	N/A
Min	N/A
Average	N/A

Datalog
, , PID(ppm)
Index, Date/Time, (Avg)
001, 2017/06/13 08:10:31, 0.1
002, 2017/06/13 08:10:41, 0.1
003, 2017/06/13 08:10:51, 0.1
004, 2017/06/13 08:11:01, 0.1
Peak, , 0.1
Min, , 0.1
Average, , 0.1

17/06/13 08:13

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-919025
Unit Firmware Ver	V2.14
Running Mode	Hygiene Mode
Datalog Mode	Manual
Diagnostic Mode	No
Stop Reason	Stop by User
Site ID	RAE00000
User ID	USER0000
Begin	6/13/2017 8:13
End	6/13/2017 10:12
Sample Period(s)	10
Number of Records	717
Sensor	PID(ppm)
Sensor SN	S023030183U3
Measure Type	Avg
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

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STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	6/13/2017 7:38
Peak	N/A
Min	N/A
Average	N/A

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Datalog
, , PID(ppm)
Index, Date/Time, (Avg)
001, 2017/06/13 08:13:14, 0.1
002, 2017/06/13 08:13:24, 0.1
003, 2017/06/13 08:13:34, 0.1
004, 2017/06/13 08:13:44, 0.1
005, 2017/06/13 08:13:54, 0.1
006, 2017/06/13 08:14:04, 0.1
007, 2017/06/13 08:14:14, 0.1
008, 2017/06/13 08:14:24, 0.1
009, 2017/06/13 08:14:34, 0.1
010, 2017/06/13 08:14:44, 0.1
011, 2017/06/13 08:14:54, 0.1
012, 2017/06/13 08:15:04, 0.1
013, 2017/06/13 08:15:14, 0.1
014, 2017/06/13 08:15:24, 0.1
015, 2017/06/13 08:15:34, 0.1
016, 2017/06/13 08:15:44, 0.1
017, 2017/06/13 08:15:54, 0.1
018, 2017/06/13 08:16:04, 0.1
019, 2017/06/13 08:16:14, 0.1
020, 2017/06/13 08:16:24, 0.1
021, 2017/06/13 08:16:34, 0.1
022, 2017/06/13 08:16:44, 0.1
023, 2017/06/13 08:16:54, 0.1
024, 2017/06/13 08:17:04, 0.1
025, 2017/06/13 08:17:14, 0.1
026, 2017/06/13 08:17:24, 0.1
027, 2017/06/13 08:17:34, 0.1
028, 2017/06/13 08:17:44, 0.1
029, 2017/06/13 08:17:54, 0.1
030, 2017/06/13 08:18:04, 0.1
031, 2017/06/13 08:18:14, 0.2
032, 2017/06/13 08:18:24, 0.1
033, 2017/06/13 08:18:34, 0.1
034, 2017/06/13 08:18:44, 0.1
035, 2017/06/13 08:18:54, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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036, 2017/06/13 08:19:04, 0.1
037, 2017/06/13 08:19:14, 0.1
038, 2017/06/13 08:19:24, 0.1
039, 2017/06/13 08:19:34, 0.1
040, 2017/06/13 08:19:44, 0.1
041, 2017/06/13 08:19:54, 0.1
042, 2017/06/13 08:20:04, 0.1
043, 2017/06/13 08:20:14, 0.1
044, 2017/06/13 08:20:24, 0.1
045, 2017/06/13 08:20:34, 0.1
046, 2017/06/13 08:20:44, 0.1
047, 2017/06/13 08:20:54, 0.1
048, 2017/06/13 08:21:04, 0.1
049, 2017/06/13 08:21:14, 0.1
050, 2017/06/13 08:21:24, 0.1
051, 2017/06/13 08:21:34, 0.1
052, 2017/06/13 08:21:44, 0.1
053, 2017/06/13 08:21:54, 0.1
054, 2017/06/13 08:22:04, 0.1
055, 2017/06/13 08:22:14, 0.1
056, 2017/06/13 08:22:24, 0.1
057, 2017/06/13 08:22:34, 0.1
058, 2017/06/13 08:22:44, 0.1
059, 2017/06/13 08:22:54, 0.1
060, 2017/06/13 08:23:04, 0.1
061, 2017/06/13 08:23:14, 0.1
062, 2017/06/13 08:23:24, 0.1
063, 2017/06/13 08:23:34, 0.1
064, 2017/06/13 08:23:44, 0.1
065, 2017/06/13 08:23:54, 0.1
066, 2017/06/13 08:24:04, 0.1
067, 2017/06/13 08:24:14, 0.1
068, 2017/06/13 08:24:24, 0.1
069, 2017/06/13 08:24:34, 0.1
070, 2017/06/13 08:24:44, 0.1
071, 2017/06/13 08:24:54, 0.1
072, 2017/06/13 08:25:04, 0.1
073, 2017/06/13 08:25:14, 0.1
074, 2017/06/13 08:25:24, 0.1
075, 2017/06/13 08:25:34, 0.1
076, 2017/06/13 08:25:44, 0.1
077, 2017/06/13 08:25:54, 0.1
078, 2017/06/13 08:26:04, 0.1
079, 2017/06/13 08:26:14, 0.1
080, 2017/06/13 08:26:24, 0.1
081, 2017/06/13 08:26:34, 0.1
082, 2017/06/13 08:26:44, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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083, 2017/06/13 08:26:54, 0.1
084, 2017/06/13 08:27:04, 0.1
085, 2017/06/13 08:27:14, 0.1
086, 2017/06/13 08:27:24, 0.1
087, 2017/06/13 08:27:34, 0.1
088, 2017/06/13 08:27:44, 0.1
089, 2017/06/13 08:27:54, 0.1
090, 2017/06/13 08:28:04, 0.1
091, 2017/06/13 08:28:14, 0.1
092, 2017/06/13 08:28:24, 0.1
093, 2017/06/13 08:28:34, 0.1
094, 2017/06/13 08:28:44, 0.1
095, 2017/06/13 08:28:54, 0.1
096, 2017/06/13 08:29:04, 0.1
097, 2017/06/13 08:29:14, 0.1
098, 2017/06/13 08:29:24, 0.1
099, 2017/06/13 08:29:34, 0.1
100, 2017/06/13 08:29:44, 0.1
101, 2017/06/13 08:29:54, 0.1
102, 2017/06/13 08:30:04, 0.1
103, 2017/06/13 08:30:14, 0.1
104, 2017/06/13 08:30:24, 0.1
105, 2017/06/13 08:30:34, 0.1
106, 2017/06/13 08:30:44, 0.1
107, 2017/06/13 08:30:54, 0.1
108, 2017/06/13 08:31:04, 0.1
109, 2017/06/13 08:31:14, 0.1
110, 2017/06/13 08:31:24, 0.1
111, 2017/06/13 08:31:34, 0.1
112, 2017/06/13 08:31:44, 0.1
113, 2017/06/13 08:31:54, 0.1
114, 2017/06/13 08:32:04, 0.1
115, 2017/06/13 08:32:14, 0.1
116, 2017/06/13 08:32:24, 0.2
117, 2017/06/13 08:32:34, 0.1
118, 2017/06/13 08:32:44, 0.1
119, 2017/06/13 08:32:54, 0.1
120, 2017/06/13 08:33:04, 0.1
121, 2017/06/13 08:33:14, 0.1
122, 2017/06/13 08:33:24, 0.1
123, 2017/06/13 08:33:34, 0.1
124, 2017/06/13 08:33:44, 0.1
125, 2017/06/13 08:33:54, 0.1
126, 2017/06/13 08:34:04, 0.1
127, 2017/06/13 08:34:14, 0.1
128, 2017/06/13 08:34:24, 0.1
129, 2017/06/13 08:34:34, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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130, 2017/06/13 08:34:44, 0.1
131, 2017/06/13 08:34:54, 0.2
132, 2017/06/13 08:35:04, 0.1
133, 2017/06/13 08:35:14, 0.1
134, 2017/06/13 08:35:24, 0.1
135, 2017/06/13 08:35:34, 0.1
136, 2017/06/13 08:35:44, 0.1
137, 2017/06/13 08:35:54, 0.1
138, 2017/06/13 08:36:04, 0.1
139, 2017/06/13 08:36:14, 0.1
140, 2017/06/13 08:36:24, 0.1
141, 2017/06/13 08:36:34, 0.1
142, 2017/06/13 08:36:44, 0.1
143, 2017/06/13 08:36:54, 0.1
144, 2017/06/13 08:37:04, 0.1
145, 2017/06/13 08:37:14, 0.1
146, 2017/06/13 08:37:24, 0.1
147, 2017/06/13 08:37:34, 0.1
148, 2017/06/13 08:37:44, 0.1
149, 2017/06/13 08:37:54, 0.2
150, 2017/06/13 08:38:04, 0.1
151, 2017/06/13 08:38:14, 0.1
152, 2017/06/13 08:38:24, 0.1
153, 2017/06/13 08:38:34, 0.1
154, 2017/06/13 08:38:44, 0.1
155, 2017/06/13 08:38:54, 0.1
156, 2017/06/13 08:39:04, 0.1
157, 2017/06/13 08:39:14, 0.1
158, 2017/06/13 08:39:24, 0.1
159, 2017/06/13 08:39:34, 0.1
160, 2017/06/13 08:39:44, 0.1
161, 2017/06/13 08:39:54, 0.1
162, 2017/06/13 08:40:04, 0.1
163, 2017/06/13 08:40:14, 0.1
164, 2017/06/13 08:40:24, 0.1
165, 2017/06/13 08:40:34, 0.1
166, 2017/06/13 08:40:44, 0.1
167, 2017/06/13 08:40:54, 0.1
168, 2017/06/13 08:41:04, 0.1
169, 2017/06/13 08:41:14, 0.1
170, 2017/06/13 08:41:24, 0.1
171, 2017/06/13 08:41:34, 0.1
172, 2017/06/13 08:41:44, 0.1
173, 2017/06/13 08:41:54, 0.1
174, 2017/06/13 08:42:04, 0.1
175, 2017/06/13 08:42:14, 0.1
176, 2017/06/13 08:42:24, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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177, 2017/06/13 08:42:34, 0.1
178, 2017/06/13 08:42:44, 0.1
179, 2017/06/13 08:42:54, 0.1
180, 2017/06/13 08:43:04, 0.1
181, 2017/06/13 08:43:14, 0.1
182, 2017/06/13 08:43:24, 0.1
183, 2017/06/13 08:43:34, 0.1
184, 2017/06/13 08:43:44, 0.1
185, 2017/06/13 08:43:54, 0.1
186, 2017/06/13 08:44:04, 0.1
187, 2017/06/13 08:44:14, 0.1
188, 2017/06/13 08:44:24, 0.1
189, 2017/06/13 08:44:34, 0.1
190, 2017/06/13 08:44:44, 0.1
191, 2017/06/13 08:44:54, 0.1
192, 2017/06/13 08:45:04, 0.1
193, 2017/06/13 08:45:14, 0.1
194, 2017/06/13 08:45:24, 0.1
195, 2017/06/13 08:45:34, 0.1
196, 2017/06/13 08:45:44, 0.1
197, 2017/06/13 08:45:54, 0.1
198, 2017/06/13 08:46:04, 0.1
199, 2017/06/13 08:46:14, 0.1
200, 2017/06/13 08:46:24, 0.1
201, 2017/06/13 08:46:34, 0.1
202, 2017/06/13 08:46:44, 0.1
203, 2017/06/13 08:46:54, 0.1
204, 2017/06/13 08:47:04, 0.1
205, 2017/06/13 08:47:14, 0.1
206, 2017/06/13 08:47:24, 0.1
207, 2017/06/13 08:47:34, 0.1
208, 2017/06/13 08:47:44, 0.1
209, 2017/06/13 08:47:54, 0.1
210, 2017/06/13 08:48:04, 0.1
211, 2017/06/13 08:48:14, 0.1
212, 2017/06/13 08:48:24, 0.1
213, 2017/06/13 08:48:34, 0.1
214, 2017/06/13 08:48:44, 0.1
215, 2017/06/13 08:48:54, 0.1
216, 2017/06/13 08:49:04, 0.1
217, 2017/06/13 08:49:14, 0.1
218, 2017/06/13 08:49:24, 0.1
219, 2017/06/13 08:49:34, 0.1
220, 2017/06/13 08:49:44, 0.2
221, 2017/06/13 08:49:54, 0.1
222, 2017/06/13 08:50:04, 0.1
223, 2017/06/13 08:50:14, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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224, 2017/06/13 08:50:24, 0.1
225, 2017/06/13 08:50:34, 0.1
226, 2017/06/13 08:50:44, 0.1
227, 2017/06/13 08:50:54, 0.1
228, 2017/06/13 08:51:04, 0.1
229, 2017/06/13 08:51:14, 0.1
230, 2017/06/13 08:51:24, 0.1
231, 2017/06/13 08:51:34, 0.1
232, 2017/06/13 08:51:44, 0.1
233, 2017/06/13 08:51:54, 0.1
234, 2017/06/13 08:52:04, 0.1
235, 2017/06/13 08:52:14, 0.1
236, 2017/06/13 08:52:24, 0.1
237, 2017/06/13 08:52:34, 0.1
238, 2017/06/13 08:52:44, 0.1
239, 2017/06/13 08:52:54, 0.1
240, 2017/06/13 08:53:04, 0.1
241, 2017/06/13 08:53:14, 0.1
242, 2017/06/13 08:53:24, 0.1
243, 2017/06/13 08:53:34, 0.1
244, 2017/06/13 08:53:44, 0.1
245, 2017/06/13 08:53:54, 0.1
246, 2017/06/13 08:54:04, 0.1
247, 2017/06/13 08:54:14, 0.1
248, 2017/06/13 08:54:24, 0.1
249, 2017/06/13 08:54:34, 0.1
250, 2017/06/13 08:54:44, 0.1
251, 2017/06/13 08:54:54, 0.1
252, 2017/06/13 08:55:04, 0.1
253, 2017/06/13 08:55:14, 0.1
254, 2017/06/13 08:55:24, 0.1
255, 2017/06/13 08:55:34, 0.1
256, 2017/06/13 08:55:44, 0.1
257, 2017/06/13 08:55:54, 0.1
258, 2017/06/13 08:56:04, 0.1
259, 2017/06/13 08:56:14, 0.1
260, 2017/06/13 08:56:24, 0.1
261, 2017/06/13 08:56:34, 0.1
262, 2017/06/13 08:56:44, 0.1
263, 2017/06/13 08:56:54, 0.1
264, 2017/06/13 08:57:04, 0.1
265, 2017/06/13 08:57:14, 0.2
266, 2017/06/13 08:57:24, 0.2
267, 2017/06/13 08:57:34, 0.2
268, 2017/06/13 08:57:44, 0.1
269, 2017/06/13 08:57:54, 0.1
270, 2017/06/13 08:58:04, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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271, 2017/06/13 08:58:14, 0.1
272, 2017/06/13 08:58:24, 0.1
273, 2017/06/13 08:58:34, 0.1
274, 2017/06/13 08:58:44, 0.1
275, 2017/06/13 08:58:54, 0.1
276, 2017/06/13 08:59:04, 0.1
277, 2017/06/13 08:59:14, 0.1
278, 2017/06/13 08:59:24, 0.1
279, 2017/06/13 08:59:34, 0.1
280, 2017/06/13 08:59:44, 0.1
281, 2017/06/13 08:59:54, 0.1
282, 2017/06/13 09:00:04, 0.1
283, 2017/06/13 09:00:14, 0.1
284, 2017/06/13 09:00:24, 0.1
285, 2017/06/13 09:00:34, 0.1
286, 2017/06/13 09:00:44, 0.1
287, 2017/06/13 09:00:54, 0.1
288, 2017/06/13 09:01:04, 0.1
289, 2017/06/13 09:01:14, 0.1
290, 2017/06/13 09:01:24, 0.1
291, 2017/06/13 09:01:34, 0.1
292, 2017/06/13 09:01:44, 0.1
293, 2017/06/13 09:01:54, 0.1
294, 2017/06/13 09:02:04, 0.1
295, 2017/06/13 09:02:14, 0.1
296, 2017/06/13 09:02:24, 0.1
297, 2017/06/13 09:02:34, 0.1
298, 2017/06/13 09:02:44, 0.1
299, 2017/06/13 09:02:54, 0.1
300, 2017/06/13 09:03:04, 0.1
301, 2017/06/13 09:03:14, 0.1
302, 2017/06/13 09:03:24, 0.1
303, 2017/06/13 09:03:34, 0.1
304, 2017/06/13 09:03:44, 0.1
305, 2017/06/13 09:03:54, 0.1
306, 2017/06/13 09:04:04, 0.1
307, 2017/06/13 09:04:14, 0.1
308, 2017/06/13 09:04:24, 0.1
309, 2017/06/13 09:04:34, 0.1
310, 2017/06/13 09:04:44, 0.1
311, 2017/06/13 09:04:54, 0.1
312, 2017/06/13 09:05:04, 0.1
313, 2017/06/13 09:05:14, 0.1
314, 2017/06/13 09:05:24, 0.1
315, 2017/06/13 09:05:34, 0.1
316, 2017/06/13 09:05:44, 0.1
317, 2017/06/13 09:05:54, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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318, 2017/06/13 09:06:04, 0.1
319, 2017/06/13 09:06:14, 0.1
320, 2017/06/13 09:06:24, 0.1
321, 2017/06/13 09:06:34, 0.1
322, 2017/06/13 09:06:44, 0.1
323, 2017/06/13 09:06:54, 0.1
324, 2017/06/13 09:07:04, 0.1
325, 2017/06/13 09:07:14, 0.1
326, 2017/06/13 09:07:24, 0.1
327, 2017/06/13 09:07:34, 0.1
328, 2017/06/13 09:07:44, 0.1
329, 2017/06/13 09:07:54, 0.1
330, 2017/06/13 09:08:04, 0.1
331, 2017/06/13 09:08:14, 0.1
332, 2017/06/13 09:08:24, 0.1
333, 2017/06/13 09:08:34, 0.1
334, 2017/06/13 09:08:44, 0.1
335, 2017/06/13 09:08:54, 0.2
336, 2017/06/13 09:09:04, 0.1
337, 2017/06/13 09:09:14, 0.1
338, 2017/06/13 09:09:24, 0.1
339, 2017/06/13 09:09:34, 0.1
340, 2017/06/13 09:09:44, 0.2
341, 2017/06/13 09:09:54, 0.2
342, 2017/06/13 09:10:04, 0.1
343, 2017/06/13 09:10:14, 0.2
344, 2017/06/13 09:10:24, 0.2
345, 2017/06/13 09:10:34, 0.1
346, 2017/06/13 09:10:44, 0.1
347, 2017/06/13 09:10:54, 0.1
348, 2017/06/13 09:11:04, 0.1
349, 2017/06/13 09:11:14, 0.1
350, 2017/06/13 09:11:24, 0.1
351, 2017/06/13 09:11:34, 0.1
352, 2017/06/13 09:11:44, 0.1
353, 2017/06/13 09:11:54, 0.1
354, 2017/06/13 09:12:04, 0.1
355, 2017/06/13 09:12:14, 0.1
356, 2017/06/13 09:12:24, 0.1
357, 2017/06/13 09:12:34, 0.1
358, 2017/06/13 09:12:44, 0.1
359, 2017/06/13 09:12:54, 0.1
360, 2017/06/13 09:13:04, 0.1
361, 2017/06/13 09:13:14, 0.1
362, 2017/06/13 09:13:24, 0.1
363, 2017/06/13 09:13:34, 0.1
364, 2017/06/13 09:13:44, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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365, 2017/06/13 09:13:54, 0.1
366, 2017/06/13 09:14:04, 0.1
367, 2017/06/13 09:14:14, 0.1
368, 2017/06/13 09:14:24, 0.1
369, 2017/06/13 09:14:34, 0.1
370, 2017/06/13 09:14:44, 0.1
371, 2017/06/13 09:14:54, 0.1
372, 2017/06/13 09:15:04, 0.1
373, 2017/06/13 09:15:14, 0.1
374, 2017/06/13 09:15:24, 0.1
375, 2017/06/13 09:15:34, 0.1
376, 2017/06/13 09:15:44, 0.1
377, 2017/06/13 09:15:54, 0.1
378, 2017/06/13 09:16:04, 0.1
379, 2017/06/13 09:16:14, 0.1
380, 2017/06/13 09:16:24, 0.1
381, 2017/06/13 09:16:34, 0.1
382, 2017/06/13 09:16:44, 0.1
383, 2017/06/13 09:16:54, 0.1
384, 2017/06/13 09:17:04, 0.1
385, 2017/06/13 09:17:14, 0.1
386, 2017/06/13 09:17:24, 0.1
387, 2017/06/13 09:17:34, 0.1
388, 2017/06/13 09:17:44, 0.1
389, 2017/06/13 09:17:54, 0.1
390, 2017/06/13 09:18:04, 0.1
391, 2017/06/13 09:18:14, 0.1
392, 2017/06/13 09:18:24, 0.1
393, 2017/06/13 09:18:34, 0.1
394, 2017/06/13 09:18:44, 0.1
395, 2017/06/13 09:18:54, 0.2
396, 2017/06/13 09:19:04, 0.2
397, 2017/06/13 09:19:14, 0.1
398, 2017/06/13 09:19:24, 0.1
399, 2017/06/13 09:19:34, 0.1
400, 2017/06/13 09:19:44, 0.1
401, 2017/06/13 09:19:54, 0.1
402, 2017/06/13 09:20:04, 0.1
403, 2017/06/13 09:20:14, 0.1
404, 2017/06/13 09:20:24, 0.1
405, 2017/06/13 09:20:34, 0.1
406, 2017/06/13 09:20:44, 0.1
407, 2017/06/13 09:20:54, 0.1
408, 2017/06/13 09:21:04, 0.1
409, 2017/06/13 09:21:14, 0.1
410, 2017/06/13 09:21:24, 0.1
411, 2017/06/13 09:21:34, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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412, 2017/06/13 09:21:44, 0.1
413, 2017/06/13 09:21:54, 0.1
414, 2017/06/13 09:22:04, 0.1
415, 2017/06/13 09:22:14, 0.1
416, 2017/06/13 09:22:24, 0.1
417, 2017/06/13 09:22:34, 0.1
418, 2017/06/13 09:22:44, 0.1
419, 2017/06/13 09:22:54, 0.1
420, 2017/06/13 09:23:04, 0.1
421, 2017/06/13 09:23:14, 0.1
422, 2017/06/13 09:23:24, 0.1
423, 2017/06/13 09:23:34, 0.1
424, 2017/06/13 09:23:44, 0.1
425, 2017/06/13 09:23:54, 0.1
426, 2017/06/13 09:24:04, 0.1
427, 2017/06/13 09:24:14, 0.1
428, 2017/06/13 09:24:24, 0.1
429, 2017/06/13 09:24:34, 0.1
430, 2017/06/13 09:24:44, 0.2
431, 2017/06/13 09:24:54, 0.1
432, 2017/06/13 09:25:04, 0.1
433, 2017/06/13 09:25:14, 0.1
434, 2017/06/13 09:25:24, 0.1
435, 2017/06/13 09:25:34, 0.1
436, 2017/06/13 09:25:44, 0.1
437, 2017/06/13 09:25:54, 0.1
438, 2017/06/13 09:26:04, 0.1
439, 2017/06/13 09:26:14, 0.1
440, 2017/06/13 09:26:24, 0.1
441, 2017/06/13 09:26:34, 0.1
442, 2017/06/13 09:26:44, 0.1
443, 2017/06/13 09:26:54, 0.1
444, 2017/06/13 09:27:04, 0.1
445, 2017/06/13 09:27:14, 0.1
446, 2017/06/13 09:27:24, 0.2
447, 2017/06/13 09:27:34, 0.1
448, 2017/06/13 09:27:44, 0.1
449, 2017/06/13 09:27:54, 0.1
450, 2017/06/13 09:28:04, 0.1
451, 2017/06/13 09:28:14, 0.1
452, 2017/06/13 09:28:24, 0.1
453, 2017/06/13 09:28:34, 0.1
454, 2017/06/13 09:28:44, 0.1
455, 2017/06/13 09:28:54, 0.1
456, 2017/06/13 09:29:04, 0.1
457, 2017/06/13 09:29:14, 0.1
458, 2017/06/13 09:29:24, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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459, 2017/06/13 09:29:34, 0.1
460, 2017/06/13 09:29:44, 0.1
461, 2017/06/13 09:29:54, 0.1
462, 2017/06/13 09:30:04, 0.1
463, 2017/06/13 09:30:14, 0.1
464, 2017/06/13 09:30:24, 0.2
465, 2017/06/13 09:30:34, 0.1
466, 2017/06/13 09:30:44, 0.1
467, 2017/06/13 09:30:54, 0.1
468, 2017/06/13 09:31:04, 0.1
469, 2017/06/13 09:31:14, 0.1
470, 2017/06/13 09:31:24, 0.1
471, 2017/06/13 09:31:34, 0.1
472, 2017/06/13 09:31:44, 0.2
473, 2017/06/13 09:31:54, 0.2
474, 2017/06/13 09:32:04, 0.1
475, 2017/06/13 09:32:14, 0.1
476, 2017/06/13 09:32:24, 0.2
477, 2017/06/13 09:32:34, 0.1
478, 2017/06/13 09:32:44, 0.1
479, 2017/06/13 09:32:54, 0.2
480, 2017/06/13 09:33:04, 0.1
481, 2017/06/13 09:33:14, 0.2
482, 2017/06/13 09:33:24, 0.1
483, 2017/06/13 09:33:34, 0.1
484, 2017/06/13 09:33:44, 0.1
485, 2017/06/13 09:33:54, 0.1
486, 2017/06/13 09:34:04, 0.1
487, 2017/06/13 09:34:14, 0.1
488, 2017/06/13 09:34:24, 0.1
489, 2017/06/13 09:34:34, 0.1
490, 2017/06/13 09:34:44, 0.1
491, 2017/06/13 09:34:54, 0.2
492, 2017/06/13 09:35:04, 0.1
493, 2017/06/13 09:35:14, 0.1
494, 2017/06/13 09:35:24, 0.2
495, 2017/06/13 09:35:34, 0.2
496, 2017/06/13 09:35:44, 0.2
497, 2017/06/13 09:35:54, 0.2
498, 2017/06/13 09:36:04, 0.1
499, 2017/06/13 09:36:14, 0.1
500, 2017/06/13 09:36:24, 0.1
501, 2017/06/13 09:36:34, 0.1
502, 2017/06/13 09:36:44, 0.1
503, 2017/06/13 09:36:54, 0.1
504, 2017/06/13 09:37:04, 0.1
505, 2017/06/13 09:37:14, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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506, 2017/06/13 09:37:24, 0.1
507, 2017/06/13 09:37:34, 0.1
508, 2017/06/13 09:37:44, 0.1
509, 2017/06/13 09:37:54, 0.1
510, 2017/06/13 09:38:04, 0.1
511, 2017/06/13 09:38:14, 0.2
512, 2017/06/13 09:38:24, 0.2
513, 2017/06/13 09:38:34, 0.1
514, 2017/06/13 09:38:44, 0.1
515, 2017/06/13 09:38:54, 0.1
516, 2017/06/13 09:39:04, 0.1
517, 2017/06/13 09:39:14, 0.1
518, 2017/06/13 09:39:24, 0.1
519, 2017/06/13 09:39:34, 0.1
520, 2017/06/13 09:39:44, 0.1
521, 2017/06/13 09:39:54, 0.1
522, 2017/06/13 09:40:04, 0.1
523, 2017/06/13 09:40:14, 0.1
524, 2017/06/13 09:40:24, 0.1
525, 2017/06/13 09:40:34, 0.1
526, 2017/06/13 09:40:44, 0.1
527, 2017/06/13 09:40:54, 0.2
528, 2017/06/13 09:41:04, 0.1
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530, 2017/06/13 09:41:24, 0.1
531, 2017/06/13 09:41:34, 0.1
532, 2017/06/13 09:41:44, 0.1
533, 2017/06/13 09:41:54, 0.1
534, 2017/06/13 09:42:04, 0.1
535, 2017/06/13 09:42:14, 0.1
536, 2017/06/13 09:42:24, 0.1
537, 2017/06/13 09:42:34, 0.1
538, 2017/06/13 09:42:44, 0.1
539, 2017/06/13 09:42:54, 0.2
540, 2017/06/13 09:43:04, 0.1
541, 2017/06/13 09:43:14, 0.1
542, 2017/06/13 09:43:24, 0.1
543, 2017/06/13 09:43:34, 0.1
544, 2017/06/13 09:43:44, 0.1
545, 2017/06/13 09:43:54, 0.1
546, 2017/06/13 09:44:04, 0.1
547, 2017/06/13 09:44:14, 0.1
548, 2017/06/13 09:44:24, 0.1
549, 2017/06/13 09:44:34, 0.1
550, 2017/06/13 09:44:44, 0.1
551, 2017/06/13 09:44:54, 0.1
552, 2017/06/13 09:45:04, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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553, 2017/06/13 09:45:14, 0.2
554, 2017/06/13 09:45:24, 0.1
555, 2017/06/13 09:45:34, 0.1
556, 2017/06/13 09:45:44, 0.1
557, 2017/06/13 09:45:54, 0.2
558, 2017/06/13 09:46:04, 0.1
559, 2017/06/13 09:46:14, 0.1
560, 2017/06/13 09:46:24, 0.1
561, 2017/06/13 09:46:34, 0.1
562, 2017/06/13 09:46:44, 0.1
563, 2017/06/13 09:46:54, 0.2
564, 2017/06/13 09:47:04, 0.1
565, 2017/06/13 09:47:14, 0.1
566, 2017/06/13 09:47:24, 0.2
567, 2017/06/13 09:47:34, 0.1
568, 2017/06/13 09:47:44, 0.1
569, 2017/06/13 09:47:54, 0.1
570, 2017/06/13 09:48:04, 0.1
571, 2017/06/13 09:48:14, 0.1
572, 2017/06/13 09:48:24, 0.1
573, 2017/06/13 09:48:34, 0.1
574, 2017/06/13 09:48:44, 0.1
575, 2017/06/13 09:48:54, 0.1
576, 2017/06/13 09:49:04, 0.2
577, 2017/06/13 09:49:14, 0.1
578, 2017/06/13 09:49:24, 0.2
579, 2017/06/13 09:49:34, 0.1
580, 2017/06/13 09:49:44, 0.1
581, 2017/06/13 09:49:54, 0.2
582, 2017/06/13 09:50:04, 0.2
583, 2017/06/13 09:50:14, 0.2
584, 2017/06/13 09:50:24, 0.2
585, 2017/06/13 09:50:34, 0.1
586, 2017/06/13 09:50:44, 0.2
587, 2017/06/13 09:50:54, 0.1
588, 2017/06/13 09:51:04, 0.1
589, 2017/06/13 09:51:14, 0.2
590, 2017/06/13 09:51:24, 0.1
591, 2017/06/13 09:51:34, 0.1
592, 2017/06/13 09:51:44, 0.1
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594, 2017/06/13 09:52:04, 0.2
595, 2017/06/13 09:52:14, 0.2
596, 2017/06/13 09:52:24, 0.1
597, 2017/06/13 09:52:34, 0.1
598, 2017/06/13 09:52:44, 0.1
599, 2017/06/13 09:52:54, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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600, 2017/06/13 09:53:04, 0.1
601, 2017/06/13 09:53:14, 0.2
602, 2017/06/13 09:53:24, 0.1
603, 2017/06/13 09:53:34, 0.1
604, 2017/06/13 09:53:44, 0.1
605, 2017/06/13 09:53:54, 0.1
606, 2017/06/13 09:54:04, 0.1
607, 2017/06/13 09:54:14, 0.1
608, 2017/06/13 09:54:24, 0.1
609, 2017/06/13 09:54:34, 0.1
610, 2017/06/13 09:54:44, 0.1
611, 2017/06/13 09:54:54, 0.1
612, 2017/06/13 09:55:04, 0.1
613, 2017/06/13 09:55:14, 0.1
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615, 2017/06/13 09:55:34, 0.1
616, 2017/06/13 09:55:44, 0.1
617, 2017/06/13 09:55:54, 0.1
618, 2017/06/13 09:56:04, 0.1
619, 2017/06/13 09:56:14, 0.1
620, 2017/06/13 09:56:24, 0.1
621, 2017/06/13 09:56:34, 0.1
622, 2017/06/13 09:56:44, 0.2
623, 2017/06/13 09:56:54, 0.2
624, 2017/06/13 09:57:04, 0.2
625, 2017/06/13 09:57:14, 0.2
626, 2017/06/13 09:57:24, 0.2
627, 2017/06/13 09:57:34, 0.1
628, 2017/06/13 09:57:44, 0.1
629, 2017/06/13 09:57:54, 0.1
630, 2017/06/13 09:58:04, 0.1
631, 2017/06/13 09:58:14, 0.1
632, 2017/06/13 09:58:24, 0.1
633, 2017/06/13 09:58:34, 0.1
634, 2017/06/13 09:58:44, 0.2
635, 2017/06/13 09:58:54, 0.1
636, 2017/06/13 09:59:04, 0.1
637, 2017/06/13 09:59:14, 0.2
638, 2017/06/13 09:59:24, 0.1
639, 2017/06/13 09:59:34, 0.2
640, 2017/06/13 09:59:44, 0.2
641, 2017/06/13 09:59:54, 0.1
642, 2017/06/13 10:00:04, 0.1
643, 2017/06/13 10:00:14, 0.1
644, 2017/06/13 10:00:24, 0.1
645, 2017/06/13 10:00:34, 0.1
646, 2017/06/13 10:00:44, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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647, 2017/06/13 10:00:54, 0.2
648, 2017/06/13 10:01:04, 0.1
649, 2017/06/13 10:01:14, 0.1
650, 2017/06/13 10:01:24, 0.1
651, 2017/06/13 10:01:34, 0.1
652, 2017/06/13 10:01:44, 0.1
653, 2017/06/13 10:01:54, 0.1
654, 2017/06/13 10:02:04, 0.1
655, 2017/06/13 10:02:14, 0.1
656, 2017/06/13 10:02:24, 0.1
657, 2017/06/13 10:02:34, 0.1
658, 2017/06/13 10:02:44, 0.1
659, 2017/06/13 10:02:54, 0.1
660, 2017/06/13 10:03:04, 0.2
661, 2017/06/13 10:03:14, 0.1
662, 2017/06/13 10:03:24, 0.1
663, 2017/06/13 10:03:34, 0.1
664, 2017/06/13 10:03:44, 0.1
665, 2017/06/13 10:03:54, 0.2
666, 2017/06/13 10:04:04, 0.2
667, 2017/06/13 10:04:14, 0.1
668, 2017/06/13 10:04:24, 0.1
669, 2017/06/13 10:04:34, 0.2
670, 2017/06/13 10:04:44, 0.2
671, 2017/06/13 10:04:54, 0.2
672, 2017/06/13 10:05:04, 0.1
673, 2017/06/13 10:05:14, 0.1
674, 2017/06/13 10:05:24, 0.1
675, 2017/06/13 10:05:34, 0.2
676, 2017/06/13 10:05:44, 0.2
677, 2017/06/13 10:05:54, 0.1
678, 2017/06/13 10:06:04, 0.1
679, 2017/06/13 10:06:14, 0.1
680, 2017/06/13 10:06:24, 0.1
681, 2017/06/13 10:06:34, 0.1
682, 2017/06/13 10:06:44, 0.1
683, 2017/06/13 10:06:54, 0.1
684, 2017/06/13 10:07:04, 0.2
685, 2017/06/13 10:07:14, 0.2
686, 2017/06/13 10:07:24, 0.1
687, 2017/06/13 10:07:34, 0.1
688, 2017/06/13 10:07:44, 0.1
689, 2017/06/13 10:07:54, 0.1
690, 2017/06/13 10:08:04, 0.1
691, 2017/06/13 10:08:14, 0.1
692, 2017/06/13 10:08:24, 0.1
693, 2017/06/13 10:08:34, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

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694, 2017/06/13 10:08:44, 0.1
695, 2017/06/13 10:08:54, 0.1
696, 2017/06/13 10:09:04, 0.1
697, 2017/06/13 10:09:14, 0.1
698, 2017/06/13 10:09:24, 0.1
699, 2017/06/13 10:09:34, 0.1
700, 2017/06/13 10:09:44, 0.2
701, 2017/06/13 10:09:54, 0.2
702, 2017/06/13 10:10:04, 0.1
703, 2017/06/13 10:10:14, 0.2
704, 2017/06/13 10:10:24, 0.1
705, 2017/06/13 10:10:34, 0.1
706, 2017/06/13 10:10:44, 0.1
707, 2017/06/13 10:10:54, 0.1
708, 2017/06/13 10:11:04, 0.2
709, 2017/06/13 10:11:14, 0.1
710, 2017/06/13 10:11:24, 0.1
711, 2017/06/13 10:11:34, 0.1
712, 2017/06/13 10:11:44, 0.1
713, 2017/06/13 10:11:54, 0.1
714, 2017/06/13 10:12:04, 0.1
715, 2017/06/13 10:12:14, 0.1
716, 2017/06/13 10:12:24, 0.1
717, 2017/06/13 10:12:34, 0.1
Peak, , 0.2
Min, , 0.1
Average, , 0.1

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17/06/13 12:34
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-919025
Unit Firmware Ver	V2.14
Running Mode	Hygiene Mode
Datalog Mode	Manual
Diagnostic Mode	No
Stop Reason	Stop by User
Site ID	RAE00000
User ID	USER0000
Begin	6/13/2017 12:34
End	6/13/2017 12:36

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

Sample Period(s)	10
Number of Records	9
Sensor	PID(ppm)
Sensor SN	S023030183U3
Measure Type	Avg
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	6/13/2017 7:38
Peak	N/A
Min	N/A
Average	N/A

****

Datalog
, , PID(ppm)
Index, Date/Time, (Avg)
001, 2017/06/13 12:34:55, 0.1
002, 2017/06/13 12:35:05, 0.1
003, 2017/06/13 12:35:15, 0.1
004, 2017/06/13 12:35:25, 0.1
005, 2017/06/13 12:35:35, 0.1
006, 2017/06/13 12:35:45, 0.1
007, 2017/06/13 12:35:55, 0.1
008, 2017/06/13 12:36:05, 0.1
009, 2017/06/13 12:36:15, 0.1
Peak, , 0.1
Min, , 0.1
Average, , 0.1

17/06/13 12:37
****

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-919025
Unit Firmware Ver	V2.14
Running Mode	Hygiene Mode
Datalog Mode	Manual

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

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Diagnostic Mode	No
Stop Reason	Stop by User
Site ID	RAE00000
User ID	USER0000
Begin	6/13/2017 12:37
End	6/13/2017 12:39
Sample Period(s)	10
Number of Records	10
Sensor	PID(ppm)
Sensor SN	S023030183U3
Measure Type	Avg
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	6/13/2017 7:38
Peak	N/A
Min	N/A
Average	N/A

****

Datalog
, , PID(ppm)
Index, Date/Time, (Avg)
001, 2017/06/13 12:38:00, 0.1
002, 2017/06/13 12:38:10, 0.1
003, 2017/06/13 12:38:20, 0.1
004, 2017/06/13 12:38:30, 0.1
005, 2017/06/13 12:38:40, 0.1
006, 2017/06/13 12:38:50, 0.1
007, 2017/06/13 12:39:00, 0.1
008, 2017/06/13 12:39:10, 0.1
009, 2017/06/13 12:39:20, 0.1
010, 2017/06/13 12:39:30, 0.1
Peak, , 0.1
Min, , 0.1
Average, , 0.1

==========

17/06/13 12:41

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-919025
Unit Firmware Ver	V2.14
Running Mode	Hygiene Mode
Datalog Mode	Manual
Diagnostic Mode	No
Stop Reason	Stop by User
Site ID	RAE00000
User ID	USER0000
Begin	6/13/2017 12:41
End	6/13/2017 15:39
Sample Period(s)	10
Number of Records	1068
Sensor	PID(ppm)
Sensor SN	S023030183U3
Measure Type	Avg
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	6/13/2017 7:38
Peak	N/A
Min	N/A
Average	N/A

****

Datalog

, , PID(ppm)
Index, Date/Time, (Avg)
001, 2017/06/13 12:41:43, 0.1
002, 2017/06/13 12:41:53, 0.1
003, 2017/06/13 12:42:03, 0.1
004, 2017/06/13 12:42:13, 0.1
005, 2017/06/13 12:42:23, 0.1
006, 2017/06/13 12:42:33, 0.1
007, 2017/06/13 12:42:43, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

008, 2017/06/13 12:42:53, 0.1
009, 2017/06/13 12:43:03, 0.1
010, 2017/06/13 12:43:13, 0.1
011, 2017/06/13 12:43:23, 0.1
012, 2017/06/13 12:43:33, 0.1
013, 2017/06/13 12:43:43, 0.1
014, 2017/06/13 12:43:53, 0.1
015, 2017/06/13 12:44:03, 0.1
016, 2017/06/13 12:44:13, 0.1
017, 2017/06/13 12:44:23, 0.1
018, 2017/06/13 12:44:33, 0.1
019, 2017/06/13 12:44:43, 0.1
020, 2017/06/13 12:44:53, 0.1
021, 2017/06/13 12:45:03, 0.1
022, 2017/06/13 12:45:13, 0.1
023, 2017/06/13 12:45:23, 0.1
024, 2017/06/13 12:45:33, 0.1
025, 2017/06/13 12:45:43, 0.1
026, 2017/06/13 12:45:53, 0.1
027, 2017/06/13 12:46:03, 0.1
028, 2017/06/13 12:46:13, 0.1
029, 2017/06/13 12:46:23, 0.1
030, 2017/06/13 12:46:33, 0.1
031, 2017/06/13 12:46:43, 0.1
032, 2017/06/13 12:46:53, 0.1
033, 2017/06/13 12:47:03, 0.1
034, 2017/06/13 12:47:13, 0.1
035, 2017/06/13 12:47:23, 0.1
036, 2017/06/13 12:47:33, 0.1
037, 2017/06/13 12:47:43, 0.1
038, 2017/06/13 12:47:53, 0.1
039, 2017/06/13 12:48:03, 0.1
040, 2017/06/13 12:48:13, 0.1
041, 2017/06/13 12:48:23, 0.1
042, 2017/06/13 12:48:33, 0.1
043, 2017/06/13 12:48:43, 0.1
044, 2017/06/13 12:48:53, 0.1
045, 2017/06/13 12:49:03, 0.1
046, 2017/06/13 12:49:13, 0.1
047, 2017/06/13 12:49:23, 0.1
048, 2017/06/13 12:49:33, 0.1
049, 2017/06/13 12:49:43, 0.1
050, 2017/06/13 12:49:53, 0.1
051, 2017/06/13 12:50:03, 0.1
052, 2017/06/13 12:50:13, 0.1
053, 2017/06/13 12:50:23, 0.1
054, 2017/06/13 12:50:33, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

055, 2017/06/13 12:50:43, 0.1
056, 2017/06/13 12:50:53, 0.1
057, 2017/06/13 12:51:03, 0.1
058, 2017/06/13 12:51:13, 0.1
059, 2017/06/13 12:51:23, 0.1
060, 2017/06/13 12:51:33, 0.1
061, 2017/06/13 12:51:43, 0.1
062, 2017/06/13 12:51:53, 0.1
063, 2017/06/13 12:52:03, 0.1
064, 2017/06/13 12:52:13, 0.1
065, 2017/06/13 12:52:23, 0.1
066, 2017/06/13 12:52:33, 0.1
067, 2017/06/13 12:52:43, 0.1
068, 2017/06/13 12:52:53, 0.1
069, 2017/06/13 12:53:03, 0.1
070, 2017/06/13 12:53:13, 0.1
071, 2017/06/13 12:53:23, 0.1
072, 2017/06/13 12:53:33, 0.1
073, 2017/06/13 12:53:43, 0.1
074, 2017/06/13 12:53:53, 0.1
075, 2017/06/13 12:54:03, 0.1
076, 2017/06/13 12:54:13, 0.1
077, 2017/06/13 12:54:23, 0.1
078, 2017/06/13 12:54:33, 0.1
079, 2017/06/13 12:54:43, 0.1
080, 2017/06/13 12:54:53, 0.1
081, 2017/06/13 12:55:03, 0.1
082, 2017/06/13 12:55:13, 0.1
083, 2017/06/13 12:55:23, 0.1
084, 2017/06/13 12:55:33, 0.1
085, 2017/06/13 12:55:43, 0.1
086, 2017/06/13 12:55:53, 0.1
087, 2017/06/13 12:56:03, 0.0
088, 2017/06/13 12:56:13, 0.1
089, 2017/06/13 12:56:23, 0.1
090, 2017/06/13 12:56:33, 0.1
091, 2017/06/13 12:56:43, 0.1
092, 2017/06/13 12:56:53, 0.1
093, 2017/06/13 12:57:03, 0.1
094, 2017/06/13 12:57:13, 0.1
095, 2017/06/13 12:57:23, 0.1
096, 2017/06/13 12:57:33, 0.1
097, 2017/06/13 12:57:43, 0.1
098, 2017/06/13 12:57:53, 0.1
099, 2017/06/13 12:58:03, 0.1
100, 2017/06/13 12:58:13, 0.1
101, 2017/06/13 12:58:23, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

102, 2017/06/13 12:58:33, 0.1
103, 2017/06/13 12:58:43, 0.1
104, 2017/06/13 12:58:53, 0.1
105, 2017/06/13 12:59:03, 0.1
106, 2017/06/13 12:59:13, 0.1
107, 2017/06/13 12:59:23, 0.1
108, 2017/06/13 12:59:33, 0.1
109, 2017/06/13 12:59:43, 0.1
110, 2017/06/13 12:59:53, 0.1
111, 2017/06/13 13:00:03, 0.1
112, 2017/06/13 13:00:13, 0.1
113, 2017/06/13 13:00:23, 0.1
114, 2017/06/13 13:00:33, 0.1
115, 2017/06/13 13:00:43, 0.0
116, 2017/06/13 13:00:53, 0.0
117, 2017/06/13 13:01:03, 0.0
118, 2017/06/13 13:01:13, 0.0
119, 2017/06/13 13:01:23, 0.0
120, 2017/06/13 13:01:33, 0.0
121, 2017/06/13 13:01:43, 0.0
122, 2017/06/13 13:01:53, 0.0
123, 2017/06/13 13:02:03, 0.0
124, 2017/06/13 13:02:13, 0.0
125, 2017/06/13 13:02:23, 0.1
126, 2017/06/13 13:02:33, 0.0
127, 2017/06/13 13:02:43, 0.0
128, 2017/06/13 13:02:53, 0.0
129, 2017/06/13 13:03:03, 0.0
130, 2017/06/13 13:03:13, 0.0
131, 2017/06/13 13:03:23, 0.0
132, 2017/06/13 13:03:33, 0.0
133, 2017/06/13 13:03:43, 0.0
134, 2017/06/13 13:03:53, 0.0
135, 2017/06/13 13:04:03, 0.0
136, 2017/06/13 13:04:13, 0.0
137, 2017/06/13 13:04:23, 0.0
138, 2017/06/13 13:04:33, 0.1
139, 2017/06/13 13:04:43, 0.0
140, 2017/06/13 13:04:53, 0.0
141, 2017/06/13 13:05:03, 0.0
142, 2017/06/13 13:05:13, 0.0
143, 2017/06/13 13:05:23, 0.0
144, 2017/06/13 13:05:33, 0.0
145, 2017/06/13 13:05:43, 0.0
146, 2017/06/13 13:05:53, 0.1
147, 2017/06/13 13:06:03, 0.0
148, 2017/06/13 13:06:13, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

149, 2017/06/13 13:06:23, 0.1
150, 2017/06/13 13:06:33, 0.1
151, 2017/06/13 13:06:43, 0.0
152, 2017/06/13 13:06:53, 0.1
153, 2017/06/13 13:07:03, 0.0
154, 2017/06/13 13:07:13, 0.0
155, 2017/06/13 13:07:23, 0.0
156, 2017/06/13 13:07:33, 0.0
157, 2017/06/13 13:07:43, 0.0
158, 2017/06/13 13:07:53, 0.0
159, 2017/06/13 13:08:03, 0.0
160, 2017/06/13 13:08:13, 0.0
161, 2017/06/13 13:08:23, 0.0
162, 2017/06/13 13:08:33, 0.1
163, 2017/06/13 13:08:43, 0.0
164, 2017/06/13 13:08:53, 0.0
165, 2017/06/13 13:09:03, 0.0
166, 2017/06/13 13:09:13, 0.0
167, 2017/06/13 13:09:23, 0.0
168, 2017/06/13 13:09:33, 0.0
169, 2017/06/13 13:09:43, 0.0
170, 2017/06/13 13:09:53, 0.1
171, 2017/06/13 13:10:03, 0.1
172, 2017/06/13 13:10:13, 0.0
173, 2017/06/13 13:10:23, 0.1
174, 2017/06/13 13:10:33, 0.1
175, 2017/06/13 13:10:43, 0.0
176, 2017/06/13 13:10:53, 0.1
177, 2017/06/13 13:11:03, 0.0
178, 2017/06/13 13:11:13, 0.0
179, 2017/06/13 13:11:23, 0.1
180, 2017/06/13 13:11:33, 0.0
181, 2017/06/13 13:11:43, 0.0
182, 2017/06/13 13:11:53, 0.0
183, 2017/06/13 13:12:03, 0.0
184, 2017/06/13 13:12:13, 0.0
185, 2017/06/13 13:12:23, 0.1
186, 2017/06/13 13:12:33, 0.1
187, 2017/06/13 13:12:43, 0.1
188, 2017/06/13 13:12:53, 0.0
189, 2017/06/13 13:13:03, 0.0
190, 2017/06/13 13:13:13, 0.0
191, 2017/06/13 13:13:23, 0.0
192, 2017/06/13 13:13:33, 0.0
193, 2017/06/13 13:13:43, 0.0
194, 2017/06/13 13:13:53, 0.0
195, 2017/06/13 13:14:03, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

196, 2017/06/13 13:14:13, 0.0
197, 2017/06/13 13:14:23, 0.1
198, 2017/06/13 13:14:33, 0.0
199, 2017/06/13 13:14:43, 0.0
200, 2017/06/13 13:14:53, 0.0
201, 2017/06/13 13:15:03, 0.0
202, 2017/06/13 13:15:13, 0.0
203, 2017/06/13 13:15:23, 0.0
204, 2017/06/13 13:15:33, 0.0
205, 2017/06/13 13:15:43, 0.0
206, 2017/06/13 13:15:53, 0.0
207, 2017/06/13 13:16:03, 0.0
208, 2017/06/13 13:16:13, 0.0
209, 2017/06/13 13:16:23, 0.0
210, 2017/06/13 13:16:33, 0.0
211, 2017/06/13 13:16:43, 0.0
212, 2017/06/13 13:16:53, 0.0
213, 2017/06/13 13:17:03, 0.0
214, 2017/06/13 13:17:13, 0.0
215, 2017/06/13 13:17:23, 0.0
216, 2017/06/13 13:17:33, 0.0
217, 2017/06/13 13:17:43, 0.0
218, 2017/06/13 13:17:53, 0.0
219, 2017/06/13 13:18:03, 0.0
220, 2017/06/13 13:18:13, 0.0
221, 2017/06/13 13:18:23, 0.0
222, 2017/06/13 13:18:33, 0.0
223, 2017/06/13 13:18:43, 0.0
224, 2017/06/13 13:18:53, 0.0
225, 2017/06/13 13:19:03, 0.0
226, 2017/06/13 13:19:13, 0.0
227, 2017/06/13 13:19:23, 0.0
228, 2017/06/13 13:19:33, 0.0
229, 2017/06/13 13:19:43, 0.0
230, 2017/06/13 13:19:53, 0.0
231, 2017/06/13 13:20:03, 0.0
232, 2017/06/13 13:20:13, 0.0
233, 2017/06/13 13:20:23, 0.0
234, 2017/06/13 13:20:33, 0.0
235, 2017/06/13 13:20:43, 0.0
236, 2017/06/13 13:20:53, 0.0
237, 2017/06/13 13:21:03, 0.0
238, 2017/06/13 13:21:13, 0.0
239, 2017/06/13 13:21:23, 0.0
240, 2017/06/13 13:21:33, 0.0
241, 2017/06/13 13:21:43, 0.0
242, 2017/06/13 13:21:53, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

243, 2017/06/13 13:22:03, 0.0
244, 2017/06/13 13:22:13, 0.0
245, 2017/06/13 13:22:23, 0.0
246, 2017/06/13 13:22:33, 0.0
247, 2017/06/13 13:22:43, 0.0
248, 2017/06/13 13:22:53, 0.0
249, 2017/06/13 13:23:03, 0.0
250, 2017/06/13 13:23:13, 0.1
251, 2017/06/13 13:23:23, 0.1
252, 2017/06/13 13:23:33, 0.2
253, 2017/06/13 13:23:43, 0.1
254, 2017/06/13 13:23:53, 0.0
255, 2017/06/13 13:24:03, 0.0
256, 2017/06/13 13:24:13, 0.0
257, 2017/06/13 13:24:23, 0.0
258, 2017/06/13 13:24:33, 0.0
259, 2017/06/13 13:24:43, 0.0
260, 2017/06/13 13:24:53, 0.0
261, 2017/06/13 13:25:03, 0.0
262, 2017/06/13 13:25:13, 0.0
263, 2017/06/13 13:25:23, 0.0
264, 2017/06/13 13:25:33, 0.0
265, 2017/06/13 13:25:43, 0.0
266, 2017/06/13 13:25:53, 0.0
267, 2017/06/13 13:26:03, 0.0
268, 2017/06/13 13:26:13, 0.0
269, 2017/06/13 13:26:23, 0.0
270, 2017/06/13 13:26:33, 0.0
271, 2017/06/13 13:26:43, 0.0
272, 2017/06/13 13:26:53, 0.0
273, 2017/06/13 13:27:03, 0.0
274, 2017/06/13 13:27:13, 0.0
275, 2017/06/13 13:27:23, 0.0
276, 2017/06/13 13:27:33, 0.0
277, 2017/06/13 13:27:43, 0.0
278, 2017/06/13 13:27:53, 0.0
279, 2017/06/13 13:28:03, 0.0
280, 2017/06/13 13:28:13, 0.1
281, 2017/06/13 13:28:23, 0.0
282, 2017/06/13 13:28:33, 0.0
283, 2017/06/13 13:28:43, 0.0
284, 2017/06/13 13:28:53, 0.0
285, 2017/06/13 13:29:03, 0.1
286, 2017/06/13 13:29:13, 0.0
287, 2017/06/13 13:29:23, 0.0
288, 2017/06/13 13:29:33, 0.0
289, 2017/06/13 13:29:43, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

290, 2017/06/13 13:29:53, 0.1
291, 2017/06/13 13:30:03, 0.0
292, 2017/06/13 13:30:13, 0.0
293, 2017/06/13 13:30:23, 0.0
294, 2017/06/13 13:30:33, 0.0
295, 2017/06/13 13:30:43, 0.0
296, 2017/06/13 13:30:53, 0.0
297, 2017/06/13 13:31:03, 0.0
298, 2017/06/13 13:31:13, 0.0
299, 2017/06/13 13:31:23, 0.0
300, 2017/06/13 13:31:33, 0.0
301, 2017/06/13 13:31:43, 0.0
302, 2017/06/13 13:31:53, 0.0
303, 2017/06/13 13:32:03, 0.0
304, 2017/06/13 13:32:13, 0.0
305, 2017/06/13 13:32:23, 0.0
306, 2017/06/13 13:32:33, 0.0
307, 2017/06/13 13:32:43, 0.0
308, 2017/06/13 13:32:53, 0.0
309, 2017/06/13 13:33:03, 0.0
310, 2017/06/13 13:33:13, 0.0
311, 2017/06/13 13:33:23, 0.0
312, 2017/06/13 13:33:33, 0.0
313, 2017/06/13 13:33:43, 0.0
314, 2017/06/13 13:33:53, 0.0
315, 2017/06/13 13:34:03, 0.0
316, 2017/06/13 13:34:13, 0.0
317, 2017/06/13 13:34:23, 0.0
318, 2017/06/13 13:34:33, 0.0
319, 2017/06/13 13:34:43, 0.0
320, 2017/06/13 13:34:53, 0.0
321, 2017/06/13 13:35:03, 0.0
322, 2017/06/13 13:35:13, 0.0
323, 2017/06/13 13:35:23, 0.0
324, 2017/06/13 13:35:33, 0.0
325, 2017/06/13 13:35:43, 0.0
326, 2017/06/13 13:35:53, 0.0
327, 2017/06/13 13:36:03, 0.0
328, 2017/06/13 13:36:13, 0.0
329, 2017/06/13 13:36:23, 0.0
330, 2017/06/13 13:36:33, 0.0
331, 2017/06/13 13:36:43, 0.0
332, 2017/06/13 13:36:53, 0.0
333, 2017/06/13 13:37:03, 0.0
334, 2017/06/13 13:37:13, 0.0
335, 2017/06/13 13:37:23, 0.0
336, 2017/06/13 13:37:33, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

337, 2017/06/13 13:37:43, 0.0
338, 2017/06/13 13:37:53, 0.0
339, 2017/06/13 13:38:03, 0.0
340, 2017/06/13 13:38:13, 0.0
341, 2017/06/13 13:38:23, 0.0
342, 2017/06/13 13:38:33, 0.0
343, 2017/06/13 13:38:43, 0.0
344, 2017/06/13 13:38:53, 0.0
345, 2017/06/13 13:39:03, 0.0
346, 2017/06/13 13:39:13, 0.0
347, 2017/06/13 13:39:23, 0.0
348, 2017/06/13 13:39:33, 0.0
349, 2017/06/13 13:39:43, 0.0
350, 2017/06/13 13:39:53, 0.0
351, 2017/06/13 13:40:03, 0.0
352, 2017/06/13 13:40:13, 0.0
353, 2017/06/13 13:40:23, 0.0
354, 2017/06/13 13:40:33, 0.0
355, 2017/06/13 13:40:43, 0.0
356, 2017/06/13 13:40:53, 0.0
357, 2017/06/13 13:41:03, 0.0
358, 2017/06/13 13:41:13, 0.0
359, 2017/06/13 13:41:23, 0.0
360, 2017/06/13 13:41:33, 0.0
361, 2017/06/13 13:41:43, 0.0
362, 2017/06/13 13:41:53, 0.0
363, 2017/06/13 13:42:03, 0.0
364, 2017/06/13 13:42:13, 0.0
365, 2017/06/13 13:42:23, 0.0
366, 2017/06/13 13:42:33, 0.0
367, 2017/06/13 13:42:43, 0.0
368, 2017/06/13 13:42:53, 0.0
369, 2017/06/13 13:43:03, 0.0
370, 2017/06/13 13:43:13, 0.0
371, 2017/06/13 13:43:23, 0.0
372, 2017/06/13 13:43:33, 0.0
373, 2017/06/13 13:43:43, 0.0
374, 2017/06/13 13:43:53, 0.0
375, 2017/06/13 13:44:03, 0.0
376, 2017/06/13 13:44:13, 0.0
377, 2017/06/13 13:44:23, 0.0
378, 2017/06/13 13:44:33, 0.0
379, 2017/06/13 13:44:43, 0.0
380, 2017/06/13 13:44:53, 0.0
381, 2017/06/13 13:45:03, 0.0
382, 2017/06/13 13:45:13, 0.0
383, 2017/06/13 13:45:23, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

384, 2017/06/13 13:45:33, 0.0
385, 2017/06/13 13:45:43, 0.0
386, 2017/06/13 13:45:53, 0.0
387, 2017/06/13 13:46:03, 0.0
388, 2017/06/13 13:46:13, 0.0
389, 2017/06/13 13:46:23, 0.0
390, 2017/06/13 13:46:33, 0.0
391, 2017/06/13 13:46:43, 0.0
392, 2017/06/13 13:46:53, 0.0
393, 2017/06/13 13:47:03, 0.0
394, 2017/06/13 13:47:13, 0.0
395, 2017/06/13 13:47:23, 0.0
396, 2017/06/13 13:47:33, 0.0
397, 2017/06/13 13:47:43, 0.0
398, 2017/06/13 13:47:53, 0.0
399, 2017/06/13 13:48:03, 0.0
400, 2017/06/13 13:48:13, 0.0
401, 2017/06/13 13:48:23, 0.0
402, 2017/06/13 13:48:33, 0.0
403, 2017/06/13 13:48:43, 0.0
404, 2017/06/13 13:48:53, 0.0
405, 2017/06/13 13:49:03, 0.0
406, 2017/06/13 13:49:13, 0.1
407, 2017/06/13 13:49:23, 0.1
408, 2017/06/13 13:49:33, 0.0
409, 2017/06/13 13:49:43, 0.0
410, 2017/06/13 13:49:53, 0.0
411, 2017/06/13 13:50:03, 0.0
412, 2017/06/13 13:50:13, 0.0
413, 2017/06/13 13:50:23, 0.0
414, 2017/06/13 13:50:33, 0.0
415, 2017/06/13 13:50:43, 0.0
416, 2017/06/13 13:50:53, 0.0
417, 2017/06/13 13:51:03, 0.0
418, 2017/06/13 13:51:13, 0.1
419, 2017/06/13 13:51:23, 0.0
420, 2017/06/13 13:51:33, 0.0
421, 2017/06/13 13:51:43, 0.0
422, 2017/06/13 13:51:53, 0.0
423, 2017/06/13 13:52:03, 0.0
424, 2017/06/13 13:52:13, 0.0
425, 2017/06/13 13:52:23, 0.0
426, 2017/06/13 13:52:33, 0.0
427, 2017/06/13 13:52:43, 0.0
428, 2017/06/13 13:52:53, 0.0
429, 2017/06/13 13:53:03, 0.0
430, 2017/06/13 13:53:13, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

431, 2017/06/13 13:53:23, 0.0
432, 2017/06/13 13:53:33, 0.0
433, 2017/06/13 13:53:43, 0.0
434, 2017/06/13 13:53:53, 0.0
435, 2017/06/13 13:54:03, 0.0
436, 2017/06/13 13:54:13, 0.0
437, 2017/06/13 13:54:23, 0.0
438, 2017/06/13 13:54:33, 0.0
439, 2017/06/13 13:54:43, 0.0
440, 2017/06/13 13:54:53, 0.0
441, 2017/06/13 13:55:03, 0.0
442, 2017/06/13 13:55:13, 0.0
443, 2017/06/13 13:55:23, 0.0
444, 2017/06/13 13:55:33, 0.0
445, 2017/06/13 13:55:43, 0.0
446, 2017/06/13 13:55:53, 0.0
447, 2017/06/13 13:56:03, 0.0
448, 2017/06/13 13:56:13, 0.0
449, 2017/06/13 13:56:23, 0.0
450, 2017/06/13 13:56:33, 0.0
451, 2017/06/13 13:56:43, 0.0
452, 2017/06/13 13:56:53, 0.0
453, 2017/06/13 13:57:03, 0.0
454, 2017/06/13 13:57:13, 0.0
455, 2017/06/13 13:57:23, 0.0
456, 2017/06/13 13:57:33, 0.0
457, 2017/06/13 13:57:43, 0.0
458, 2017/06/13 13:57:53, 0.0
459, 2017/06/13 13:58:03, 0.0
460, 2017/06/13 13:58:13, 0.0
461, 2017/06/13 13:58:23, 0.0
462, 2017/06/13 13:58:33, 0.0
463, 2017/06/13 13:58:43, 0.0
464, 2017/06/13 13:58:53, 0.0
465, 2017/06/13 13:59:03, 0.0
466, 2017/06/13 13:59:13, 0.0
467, 2017/06/13 13:59:23, 0.0
468, 2017/06/13 13:59:33, 0.0
469, 2017/06/13 13:59:43, 0.0
470, 2017/06/13 13:59:53, 0.0
471, 2017/06/13 14:00:03, 0.0
472, 2017/06/13 14:00:13, 0.0
473, 2017/06/13 14:00:23, 0.0
474, 2017/06/13 14:00:33, 0.0
475, 2017/06/13 14:00:43, 0.0
476, 2017/06/13 14:00:53, 0.0
477, 2017/06/13 14:01:03, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

478, 2017/06/13 14:01:13, 0.0
479, 2017/06/13 14:01:23, 0.0
480, 2017/06/13 14:01:33, 0.0
481, 2017/06/13 14:01:43, 0.0
482, 2017/06/13 14:01:53, 0.0
483, 2017/06/13 14:02:03, 0.0
484, 2017/06/13 14:02:13, 0.0
485, 2017/06/13 14:02:23, 0.0
486, 2017/06/13 14:02:33, 0.0
487, 2017/06/13 14:02:43, 0.0
488, 2017/06/13 14:02:53, 0.0
489, 2017/06/13 14:03:03, 0.0
490, 2017/06/13 14:03:13, 0.0
491, 2017/06/13 14:03:23, 0.0
492, 2017/06/13 14:03:33, 0.0
493, 2017/06/13 14:03:43, 0.0
494, 2017/06/13 14:03:53, 0.0
495, 2017/06/13 14:04:03, 0.0
496, 2017/06/13 14:04:13, 0.0
497, 2017/06/13 14:04:23, 0.0
498, 2017/06/13 14:04:33, 0.0
499, 2017/06/13 14:04:43, 0.0
500, 2017/06/13 14:04:53, 0.0
501, 2017/06/13 14:05:03, 0.0
502, 2017/06/13 14:05:13, 0.0
503, 2017/06/13 14:05:23, 0.0
504, 2017/06/13 14:05:33, 0.1
505, 2017/06/13 14:05:43, 0.0
506, 2017/06/13 14:05:53, 0.0
507, 2017/06/13 14:06:03, 0.0
508, 2017/06/13 14:06:13, 0.0
509, 2017/06/13 14:06:23, 0.0
510, 2017/06/13 14:06:33, 0.0
511, 2017/06/13 14:06:43, 0.0
512, 2017/06/13 14:06:53, 0.0
513, 2017/06/13 14:07:03, 0.0
514, 2017/06/13 14:07:13, 0.0
515, 2017/06/13 14:07:23, 0.0
516, 2017/06/13 14:07:33, 0.0
517, 2017/06/13 14:07:43, 0.0
518, 2017/06/13 14:07:53, 0.0
519, 2017/06/13 14:08:03, 0.0
520, 2017/06/13 14:08:13, 0.0
521, 2017/06/13 14:08:23, 0.0
522, 2017/06/13 14:08:33, 0.0
523, 2017/06/13 14:08:43, 0.0
524, 2017/06/13 14:08:53, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

525, 2017/06/13 14:09:03, 0.0
526, 2017/06/13 14:09:13, 0.0
527, 2017/06/13 14:09:23, 0.0
528, 2017/06/13 14:09:33, 0.0
529, 2017/06/13 14:09:43, 0.0
530, 2017/06/13 14:09:53, 0.0
531, 2017/06/13 14:10:03, 0.0
532, 2017/06/13 14:10:13, 0.0
533, 2017/06/13 14:10:23, 0.0
534, 2017/06/13 14:10:33, 0.0
535, 2017/06/13 14:10:43, 0.0
536, 2017/06/13 14:10:53, 0.0
537, 2017/06/13 14:11:03, 0.0
538, 2017/06/13 14:11:13, 0.0
539, 2017/06/13 14:11:23, 0.0
540, 2017/06/13 14:11:33, 0.0
541, 2017/06/13 14:11:43, 0.0
542, 2017/06/13 14:11:53, 0.0
543, 2017/06/13 14:12:03, 0.0
544, 2017/06/13 14:12:13, 0.0
545, 2017/06/13 14:12:23, 0.0
546, 2017/06/13 14:12:33, 0.0
547, 2017/06/13 14:12:43, 0.0
548, 2017/06/13 14:12:53, 0.0
549, 2017/06/13 14:13:03, 0.0
550, 2017/06/13 14:13:13, 0.0
551, 2017/06/13 14:13:23, 0.0
552, 2017/06/13 14:13:33, 0.0
553, 2017/06/13 14:13:43, 0.0
554, 2017/06/13 14:13:53, 0.0
555, 2017/06/13 14:14:03, 0.0
556, 2017/06/13 14:14:13, 0.0
557, 2017/06/13 14:14:23, 0.0
558, 2017/06/13 14:14:33, 0.0
559, 2017/06/13 14:14:43, 0.0
560, 2017/06/13 14:14:53, 0.0
561, 2017/06/13 14:15:03, 0.0
562, 2017/06/13 14:15:13, 0.0
563, 2017/06/13 14:15:23, 0.0
564, 2017/06/13 14:15:33, 0.0
565, 2017/06/13 14:15:43, 0.0
566, 2017/06/13 14:15:53, 0.0
567, 2017/06/13 14:16:03, 0.0
568, 2017/06/13 14:16:13, 0.0
569, 2017/06/13 14:16:23, 0.0
570, 2017/06/13 14:16:33, 0.0
571, 2017/06/13 14:16:43, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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572, 2017/06/13 14:16:53, 0.0
573, 2017/06/13 14:17:03, 0.0
574, 2017/06/13 14:17:13, 0.0
575, 2017/06/13 14:17:23, 0.0
576, 2017/06/13 14:17:33, 0.0
577, 2017/06/13 14:17:43, 0.0
578, 2017/06/13 14:17:53, 0.0
579, 2017/06/13 14:18:03, 0.0
580, 2017/06/13 14:18:13, 0.0
581, 2017/06/13 14:18:23, 0.0
582, 2017/06/13 14:18:33, 0.0
583, 2017/06/13 14:18:43, 0.0
584, 2017/06/13 14:18:53, 0.0
585, 2017/06/13 14:19:03, 0.0
586, 2017/06/13 14:19:13, 0.0
587, 2017/06/13 14:19:23, 0.0
588, 2017/06/13 14:19:33, 0.0
589, 2017/06/13 14:19:43, 0.0
590, 2017/06/13 14:19:53, 0.0
591, 2017/06/13 14:20:03, 0.0
592, 2017/06/13 14:20:13, 0.0
593, 2017/06/13 14:20:23, 0.0
594, 2017/06/13 14:20:33, 0.0
595, 2017/06/13 14:20:43, 0.0
596, 2017/06/13 14:20:53, 0.0
597, 2017/06/13 14:21:03, 0.0
598, 2017/06/13 14:21:13, 0.0
599, 2017/06/13 14:21:23, 0.0
600, 2017/06/13 14:21:33, 0.0
601, 2017/06/13 14:21:43, 0.0
602, 2017/06/13 14:21:53, 0.0
603, 2017/06/13 14:22:03, 0.0
604, 2017/06/13 14:22:13, 0.0
605, 2017/06/13 14:22:23, 0.0
606, 2017/06/13 14:22:33, 0.0
607, 2017/06/13 14:22:43, 0.0
608, 2017/06/13 14:22:53, 0.0
609, 2017/06/13 14:23:03, 0.0
610, 2017/06/13 14:23:13, 0.0
611, 2017/06/13 14:23:23, 0.0
612, 2017/06/13 14:23:33, 0.0
613, 2017/06/13 14:23:43, 0.0
614, 2017/06/13 14:23:53, 0.0
615, 2017/06/13 14:24:03, 0.0
616, 2017/06/13 14:24:13, 0.0
617, 2017/06/13 14:24:23, 0.0
618, 2017/06/13 14:24:33, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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619, 2017/06/13 14:24:43, 0.0
620, 2017/06/13 14:24:53, 0.0
621, 2017/06/13 14:25:03, 0.0
622, 2017/06/13 14:25:13, 0.0
623, 2017/06/13 14:25:23, 0.0
624, 2017/06/13 14:25:33, 0.0
625, 2017/06/13 14:25:43, 0.0
626, 2017/06/13 14:25:53, 0.0
627, 2017/06/13 14:26:03, 0.0
628, 2017/06/13 14:26:13, 0.0
629, 2017/06/13 14:26:23, 0.0
630, 2017/06/13 14:26:33, 0.0
631, 2017/06/13 14:26:43, 0.0
632, 2017/06/13 14:26:53, 0.0
633, 2017/06/13 14:27:03, 0.0
634, 2017/06/13 14:27:13, 0.0
635, 2017/06/13 14:27:23, 0.0
636, 2017/06/13 14:27:33, 0.1
637, 2017/06/13 14:27:43, 0.3
638, 2017/06/13 14:27:53, 0.0
639, 2017/06/13 14:28:03, 0.0
640, 2017/06/13 14:28:13, 0.0
641, 2017/06/13 14:28:23, 0.0
642, 2017/06/13 14:28:33, 0.0
643, 2017/06/13 14:28:43, 0.0
644, 2017/06/13 14:28:53, 0.0
645, 2017/06/13 14:29:03, 0.0
646, 2017/06/13 14:29:13, 0.0
647, 2017/06/13 14:29:23, 0.0
648, 2017/06/13 14:29:33, 0.0
649, 2017/06/13 14:29:43, 0.0
650, 2017/06/13 14:29:53, 0.0
651, 2017/06/13 14:30:03, 0.0
652, 2017/06/13 14:30:13, 0.0
653, 2017/06/13 14:30:23, 0.0
654, 2017/06/13 14:30:33, 0.0
655, 2017/06/13 14:30:43, 0.0
656, 2017/06/13 14:30:53, 0.0
657, 2017/06/13 14:31:03, 0.0
658, 2017/06/13 14:31:13, 0.0
659, 2017/06/13 14:31:23, 0.0
660, 2017/06/13 14:31:33, 0.0
661, 2017/06/13 14:31:43, 0.0
662, 2017/06/13 14:31:53, 0.0
663, 2017/06/13 14:32:03, 0.0
664, 2017/06/13 14:32:13, 0.0
665, 2017/06/13 14:32:23, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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666, 2017/06/13 14:32:33, 0.0
667, 2017/06/13 14:32:43, 0.0
668, 2017/06/13 14:32:53, 0.0
669, 2017/06/13 14:33:03, 0.0
670, 2017/06/13 14:33:13, 0.0
671, 2017/06/13 14:33:23, 0.0
672, 2017/06/13 14:33:33, 0.0
673, 2017/06/13 14:33:43, 0.0
674, 2017/06/13 14:33:53, 0.0
675, 2017/06/13 14:34:03, 0.0
676, 2017/06/13 14:34:13, 0.0
677, 2017/06/13 14:34:23, 0.0
678, 2017/06/13 14:34:33, 0.0
679, 2017/06/13 14:34:43, 0.0
680, 2017/06/13 14:34:53, 0.0
681, 2017/06/13 14:35:03, 0.0
682, 2017/06/13 14:35:13, 0.0
683, 2017/06/13 14:35:23, 0.0
684, 2017/06/13 14:35:33, 0.0
685, 2017/06/13 14:35:43, 0.0
686, 2017/06/13 14:35:53, 0.0
687, 2017/06/13 14:36:03, 0.0
688, 2017/06/13 14:36:13, 0.0
689, 2017/06/13 14:36:23, 0.0
690, 2017/06/13 14:36:33, 0.0
691, 2017/06/13 14:36:43, 0.0
692, 2017/06/13 14:36:53, 0.0
693, 2017/06/13 14:37:03, 0.0
694, 2017/06/13 14:37:13, 0.0
695, 2017/06/13 14:37:23, 0.0
696, 2017/06/13 14:37:33, 0.0
697, 2017/06/13 14:37:43, 0.0
698, 2017/06/13 14:37:53, 0.0
699, 2017/06/13 14:38:03, 0.0
700, 2017/06/13 14:38:13, 0.0
701, 2017/06/13 14:38:23, 0.0
702, 2017/06/13 14:38:33, 0.0
703, 2017/06/13 14:38:43, 0.0
704, 2017/06/13 14:38:53, 0.0
705, 2017/06/13 14:39:03, 0.0
706, 2017/06/13 14:39:13, 0.0
707, 2017/06/13 14:39:23, 0.0
708, 2017/06/13 14:39:33, 0.0
709, 2017/06/13 14:39:43, 0.0
710, 2017/06/13 14:39:53, 0.0
711, 2017/06/13 14:40:03, 0.0
712, 2017/06/13 14:40:13, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

713, 2017/06/13 14:40:23, 0.0
714, 2017/06/13 14:40:33, 0.0
715, 2017/06/13 14:40:43, 0.0
716, 2017/06/13 14:40:53, 0.0
717, 2017/06/13 14:41:03, 0.0
718, 2017/06/13 14:41:13, 0.0
719, 2017/06/13 14:41:23, 0.0
720, 2017/06/13 14:41:33, 0.0
721, 2017/06/13 14:41:43, 0.0
722, 2017/06/13 14:41:53, 0.0
723, 2017/06/13 14:42:03, 0.0
724, 2017/06/13 14:42:13, 0.0
725, 2017/06/13 14:42:23, 0.0
726, 2017/06/13 14:42:33, 0.0
727, 2017/06/13 14:42:43, 0.0
728, 2017/06/13 14:42:53, 0.0
729, 2017/06/13 14:43:03, 0.0
730, 2017/06/13 14:43:13, 0.0
731, 2017/06/13 14:43:23, 0.0
732, 2017/06/13 14:43:33, 0.0
733, 2017/06/13 14:43:43, 0.0
734, 2017/06/13 14:43:53, 0.0
735, 2017/06/13 14:44:03, 0.0
736, 2017/06/13 14:44:13, 0.0
737, 2017/06/13 14:44:23, 0.0
738, 2017/06/13 14:44:33, 0.0
739, 2017/06/13 14:44:43, 0.0
740, 2017/06/13 14:44:53, 0.0
741, 2017/06/13 14:45:03, 0.0
742, 2017/06/13 14:45:13, 0.0
743, 2017/06/13 14:45:23, 0.0
744, 2017/06/13 14:45:33, 0.0
745, 2017/06/13 14:45:43, 0.0
746, 2017/06/13 14:45:53, 0.0
747, 2017/06/13 14:46:03, 0.0
748, 2017/06/13 14:46:13, 0.0
749, 2017/06/13 14:46:23, 0.0
750, 2017/06/13 14:46:33, 0.0
751, 2017/06/13 14:46:43, 0.0
752, 2017/06/13 14:46:53, 0.0
753, 2017/06/13 14:47:03, 0.0
754, 2017/06/13 14:47:13, 0.0
755, 2017/06/13 14:47:23, 0.0
756, 2017/06/13 14:47:33, 0.0
757, 2017/06/13 14:47:43, 0.0
758, 2017/06/13 14:47:53, 0.0
759, 2017/06/13 14:48:03, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

760, 2017/06/13 14:48:13, 0.0
761, 2017/06/13 14:48:23, 0.0
762, 2017/06/13 14:48:33, 0.0
763, 2017/06/13 14:48:43, 0.0
764, 2017/06/13 14:48:53, 0.0
765, 2017/06/13 14:49:03, 0.0
766, 2017/06/13 14:49:13, 0.0
767, 2017/06/13 14:49:23, 0.0
768, 2017/06/13 14:49:33, 0.0
769, 2017/06/13 14:49:43, 0.0
770, 2017/06/13 14:49:53, 0.0
771, 2017/06/13 14:50:03, 0.0
772, 2017/06/13 14:50:13, 0.0
773, 2017/06/13 14:50:23, 0.0
774, 2017/06/13 14:50:33, 0.0
775, 2017/06/13 14:50:43, 0.0
776, 2017/06/13 14:50:53, 0.0
777, 2017/06/13 14:51:03, 0.0
778, 2017/06/13 14:51:13, 0.0
779, 2017/06/13 14:51:23, 0.0
780, 2017/06/13 14:51:33, 0.0
781, 2017/06/13 14:51:43, 0.0
782, 2017/06/13 14:51:53, 0.0
783, 2017/06/13 14:52:03, 0.0
784, 2017/06/13 14:52:13, 0.0
785, 2017/06/13 14:52:23, 0.0
786, 2017/06/13 14:52:33, 0.0
787, 2017/06/13 14:52:43, 0.0
788, 2017/06/13 14:52:53, 0.0
789, 2017/06/13 14:53:03, 0.0
790, 2017/06/13 14:53:13, 0.0
791, 2017/06/13 14:53:23, 0.0
792, 2017/06/13 14:53:33, 0.0
793, 2017/06/13 14:53:43, 0.0
794, 2017/06/13 14:53:53, 0.0
795, 2017/06/13 14:54:03, 0.0
796, 2017/06/13 14:54:13, 0.0
797, 2017/06/13 14:54:23, 0.0
798, 2017/06/13 14:54:33, 0.0
799, 2017/06/13 14:54:43, 0.0
800, 2017/06/13 14:54:53, 0.0
801, 2017/06/13 14:55:03, 0.0
802, 2017/06/13 14:55:13, 0.0
803, 2017/06/13 14:55:23, 0.0
804, 2017/06/13 14:55:33, 0.0
805, 2017/06/13 14:55:43, 0.0
806, 2017/06/13 14:55:53, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

807, 2017/06/13 14:56:03, 0.0
808, 2017/06/13 14:56:13, 0.0
809, 2017/06/13 14:56:23, 0.0
810, 2017/06/13 14:56:33, 0.0
811, 2017/06/13 14:56:43, 0.0
812, 2017/06/13 14:56:53, 0.0
813, 2017/06/13 14:57:03, 0.0
814, 2017/06/13 14:57:13, 0.0
815, 2017/06/13 14:57:23, 0.0
816, 2017/06/13 14:57:33, 0.0
817, 2017/06/13 14:57:43, 0.0
818, 2017/06/13 14:57:53, 0.0
819, 2017/06/13 14:58:03, 0.0
820, 2017/06/13 14:58:13, 0.0
821, 2017/06/13 14:58:23, 0.0
822, 2017/06/13 14:58:33, 0.0
823, 2017/06/13 14:58:43, 0.0
824, 2017/06/13 14:58:53, 0.0
825, 2017/06/13 14:59:03, 0.0
826, 2017/06/13 14:59:13, 0.0
827, 2017/06/13 14:59:23, 0.0
828, 2017/06/13 14:59:33, 0.0
829, 2017/06/13 14:59:43, 0.0
830, 2017/06/13 14:59:53, 0.0
831, 2017/06/13 15:00:03, 0.0
832, 2017/06/13 15:00:13, 0.0
833, 2017/06/13 15:00:23, 0.0
834, 2017/06/13 15:00:33, 0.0
835, 2017/06/13 15:00:43, 0.0
836, 2017/06/13 15:00:53, 0.0
837, 2017/06/13 15:01:03, 0.0
838, 2017/06/13 15:01:13, 0.0
839, 2017/06/13 15:01:23, 0.0
840, 2017/06/13 15:01:33, 0.0
841, 2017/06/13 15:01:43, 0.0
842, 2017/06/13 15:01:53, 0.0
843, 2017/06/13 15:02:03, 0.0
844, 2017/06/13 15:02:13, 0.0
845, 2017/06/13 15:02:23, 0.0
846, 2017/06/13 15:02:33, 0.0
847, 2017/06/13 15:02:43, 0.0
848, 2017/06/13 15:02:53, 0.0
849, 2017/06/13 15:03:03, 0.0
850, 2017/06/13 15:03:13, 0.0
851, 2017/06/13 15:03:23, 0.0
852, 2017/06/13 15:03:33, 0.0
853, 2017/06/13 15:03:43, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

854, 2017/06/13 15:03:53, 0.0
855, 2017/06/13 15:04:03, 0.0
856, 2017/06/13 15:04:13, 0.0
857, 2017/06/13 15:04:23, 0.0
858, 2017/06/13 15:04:33, 0.0
859, 2017/06/13 15:04:43, 0.0
860, 2017/06/13 15:04:53, 0.0
861, 2017/06/13 15:05:03, 0.0
862, 2017/06/13 15:05:13, 0.0
863, 2017/06/13 15:05:23, 0.0
864, 2017/06/13 15:05:33, 0.0
865, 2017/06/13 15:05:43, 0.0
866, 2017/06/13 15:05:53, 0.0
867, 2017/06/13 15:06:03, 0.0
868, 2017/06/13 15:06:13, 0.0
869, 2017/06/13 15:06:23, 0.0
870, 2017/06/13 15:06:33, 0.0
871, 2017/06/13 15:06:43, 0.0
872, 2017/06/13 15:06:53, 0.0
873, 2017/06/13 15:07:03, 0.0
874, 2017/06/13 15:07:13, 0.0
875, 2017/06/13 15:07:23, 0.0
876, 2017/06/13 15:07:33, 0.0
877, 2017/06/13 15:07:43, 0.0
878, 2017/06/13 15:07:53, 0.0
879, 2017/06/13 15:08:03, 0.0
880, 2017/06/13 15:08:13, 0.0
881, 2017/06/13 15:08:23, 0.0
882, 2017/06/13 15:08:33, 0.0
883, 2017/06/13 15:08:43, 0.0
884, 2017/06/13 15:08:53, 0.0
885, 2017/06/13 15:09:03, 0.0
886, 2017/06/13 15:09:13, 0.0
887, 2017/06/13 15:09:23, 0.0
888, 2017/06/13 15:09:33, 0.0
889, 2017/06/13 15:09:43, 0.0
890, 2017/06/13 15:09:53, 0.0
891, 2017/06/13 15:10:03, 0.0
892, 2017/06/13 15:10:13, 0.0
893, 2017/06/13 15:10:23, 0.0
894, 2017/06/13 15:10:33, 0.0
895, 2017/06/13 15:10:43, 0.0
896, 2017/06/13 15:10:53, 0.0
897, 2017/06/13 15:11:03, 0.0
898, 2017/06/13 15:11:13, 0.0
899, 2017/06/13 15:11:23, 0.0
900, 2017/06/13 15:11:33, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

901, 2017/06/13 15:11:43, 0.0
902, 2017/06/13 15:11:53, 0.0
903, 2017/06/13 15:12:03, 0.0
904, 2017/06/13 15:12:13, 0.0
905, 2017/06/13 15:12:23, 0.0
906, 2017/06/13 15:12:33, 0.0
907, 2017/06/13 15:12:43, 0.0
908, 2017/06/13 15:12:53, 0.0
909, 2017/06/13 15:13:03, 0.0
910, 2017/06/13 15:13:13, 0.0
911, 2017/06/13 15:13:23, 0.0
912, 2017/06/13 15:13:33, 0.0
913, 2017/06/13 15:13:43, 0.0
914, 2017/06/13 15:13:53, 0.0
915, 2017/06/13 15:14:03, 0.0
916, 2017/06/13 15:14:13, 0.0
917, 2017/06/13 15:14:23, 0.0
918, 2017/06/13 15:14:33, 0.0
919, 2017/06/13 15:14:43, 0.0
920, 2017/06/13 15:14:53, 0.0
921, 2017/06/13 15:15:03, 0.0
922, 2017/06/13 15:15:13, 0.0
923, 2017/06/13 15:15:23, 0.0
924, 2017/06/13 15:15:33, 0.0
925, 2017/06/13 15:15:43, 0.0
926, 2017/06/13 15:15:53, 0.0
927, 2017/06/13 15:16:03, 0.0
928, 2017/06/13 15:16:13, 0.0
929, 2017/06/13 15:16:23, 0.0
930, 2017/06/13 15:16:33, 0.0
931, 2017/06/13 15:16:43, 0.0
932, 2017/06/13 15:16:53, 0.0
933, 2017/06/13 15:17:03, 0.0
934, 2017/06/13 15:17:13, 0.0
935, 2017/06/13 15:17:23, 0.0
936, 2017/06/13 15:17:33, 0.0
937, 2017/06/13 15:17:43, 0.0
938, 2017/06/13 15:17:53, 0.0
939, 2017/06/13 15:18:03, 0.0
940, 2017/06/13 15:18:13, 0.0
941, 2017/06/13 15:18:23, 0.0
942, 2017/06/13 15:18:33, 0.0
943, 2017/06/13 15:18:43, 0.0
944, 2017/06/13 15:18:53, 0.0
945, 2017/06/13 15:19:03, 0.0
946, 2017/06/13 15:19:13, 0.0
947, 2017/06/13 15:19:23, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

948, 2017/06/13 15:19:33, 0.0
949, 2017/06/13 15:19:43, 0.0
950, 2017/06/13 15:19:53, 0.0
951, 2017/06/13 15:20:03, 0.0
952, 2017/06/13 15:20:13, 0.0
953, 2017/06/13 15:20:23, 0.0
954, 2017/06/13 15:20:33, 0.0
955, 2017/06/13 15:20:43, 0.0
956, 2017/06/13 15:20:53, 0.0
957, 2017/06/13 15:21:03, 0.0
958, 2017/06/13 15:21:13, 0.0
959, 2017/06/13 15:21:23, 0.0
960, 2017/06/13 15:21:33, 0.0
961, 2017/06/13 15:21:43, 0.0
962, 2017/06/13 15:21:53, 0.0
963, 2017/06/13 15:22:03, 0.0
964, 2017/06/13 15:22:13, 0.0
965, 2017/06/13 15:22:23, 0.0
966, 2017/06/13 15:22:33, 0.0
967, 2017/06/13 15:22:43, 0.0
968, 2017/06/13 15:22:53, 0.0
969, 2017/06/13 15:23:03, 0.0
970, 2017/06/13 15:23:13, 0.0
971, 2017/06/13 15:23:23, 0.0
972, 2017/06/13 15:23:33, 0.0
973, 2017/06/13 15:23:43, 0.0
974, 2017/06/13 15:23:53, 0.0
975, 2017/06/13 15:24:03, 0.0
976, 2017/06/13 15:24:13, 0.0
977, 2017/06/13 15:24:23, 0.0
978, 2017/06/13 15:24:33, 0.0
979, 2017/06/13 15:24:43, 0.0
980, 2017/06/13 15:24:53, 0.0
981, 2017/06/13 15:25:03, 0.0
982, 2017/06/13 15:25:13, 0.0
983, 2017/06/13 15:25:23, 0.0
984, 2017/06/13 15:25:33, 0.0
985, 2017/06/13 15:25:43, 0.0
986, 2017/06/13 15:25:53, 0.0
987, 2017/06/13 15:26:03, 0.0
988, 2017/06/13 15:26:13, 0.0
989, 2017/06/13 15:26:23, 0.0
990, 2017/06/13 15:26:33, 0.0
991, 2017/06/13 15:26:43, 0.0
992, 2017/06/13 15:26:53, 0.0
993, 2017/06/13 15:27:03, 0.0
994, 2017/06/13 15:27:13, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

995, 2017/06/13 15:27:23, 0.0
996, 2017/06/13 15:27:33, 0.0
997, 2017/06/13 15:27:43, 0.0
998, 2017/06/13 15:27:53, 0.0
999, 2017/06/13 15:28:03, 0.0
1000, 2017/06/13 15:28:13, 0.0
1001, 2017/06/13 15:28:23, 0.0
1002, 2017/06/13 15:28:33, 0.0
1003, 2017/06/13 15:28:43, 0.0
1004, 2017/06/13 15:28:53, 0.0
1005, 2017/06/13 15:29:03, 0.0
1006, 2017/06/13 15:29:13, 0.0
1007, 2017/06/13 15:29:23, 0.0
1008, 2017/06/13 15:29:33, 0.0
1009, 2017/06/13 15:29:43, 0.0
1010, 2017/06/13 15:29:53, 0.0
1011, 2017/06/13 15:30:03, 0.0
1012, 2017/06/13 15:30:13, 0.0
1013, 2017/06/13 15:30:23, 0.0
1014, 2017/06/13 15:30:33, 0.0
1015, 2017/06/13 15:30:43, 0.0
1016, 2017/06/13 15:30:53, 0.0
1017, 2017/06/13 15:31:03, 0.0
1018, 2017/06/13 15:31:13, 0.0
1019, 2017/06/13 15:31:23, 0.0
1020, 2017/06/13 15:31:33, 0.0
1021, 2017/06/13 15:31:43, 0.0
1022, 2017/06/13 15:31:53, 0.0
1023, 2017/06/13 15:32:03, 0.0
1024, 2017/06/13 15:32:13, 0.0
1025, 2017/06/13 15:32:23, 0.0
1026, 2017/06/13 15:32:33, 0.0
1027, 2017/06/13 15:32:43, 0.0
1028, 2017/06/13 15:32:53, 0.0
1029, 2017/06/13 15:33:03, 0.0
1030, 2017/06/13 15:33:13, 0.0
1031, 2017/06/13 15:33:23, 0.0
1032, 2017/06/13 15:33:33, 0.0
1033, 2017/06/13 15:33:43, 0.0
1034, 2017/06/13 15:33:53, 0.0
1035, 2017/06/13 15:34:03, 0.0
1036, 2017/06/13 15:34:13, 0.0
1037, 2017/06/13 15:34:23, 0.0
1038, 2017/06/13 15:34:33, 0.0
1039, 2017/06/13 15:34:43, 0.0
1040, 2017/06/13 15:34:53, 0.0
1041, 2017/06/13 15:35:03, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

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1042, 2017/06/13 15:35:13, 0.1
1043, 2017/06/13 15:35:23, 0.0
1044, 2017/06/13 15:35:33, 0.0
1045, 2017/06/13 15:35:43, 0.0
1046, 2017/06/13 15:35:53, 0.0
1047, 2017/06/13 15:36:03, 0.1
1048, 2017/06/13 15:36:13, 0.2
1049, 2017/06/13 15:36:23, 0.0
1050, 2017/06/13 15:36:33, 0.4
1051, 2017/06/13 15:36:43, 0.1
1052, 2017/06/13 15:36:53, 0.0
1053, 2017/06/13 15:37:03, 0.0
1054, 2017/06/13 15:37:13, 0.0
1055, 2017/06/13 15:37:23, 0.1
1056, 2017/06/13 15:37:33, 0.0
1057, 2017/06/13 15:37:43, 0.0
1058, 2017/06/13 15:37:53, 0.0
1059, 2017/06/13 15:38:03, 0.0
1060, 2017/06/13 15:38:13, 0.1
1061, 2017/06/13 15:38:23, 0.0
1062, 2017/06/13 15:38:33, 0.0
1063, 2017/06/13 15:38:43, 0.0
1064, 2017/06/13 15:38:53, 0.0
1065, 2017/06/13 15:39:03, 0.0
1066, 2017/06/13 15:39:13, 0.0
1067, 2017/06/13 15:39:23, 0.0
1068, 2017/06/13 15:39:33, 0.0
Peak, , 0.4
Min, , 0.0
Average, , 0.0

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17/06/14 08:03
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-919025
Unit Firmware Ver	V2.14

Running Mode	Hygiene Mode
Datalog Mode	Manual
Diagnostic Mode	No
Stop Reason	Stop by User

Site ID	RAE00000
User ID	USER0000

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

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Begin	6/14/2017 8:03
End	6/14/2017 9:09
Sample Period(s)	10
Number of Records	398
Sensor	PID(ppm)
Sensor SN	S023030183U3
Measure Type	Avg
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	6/14/2017 7:32
Peak	N/A
Min	N/A
Average	N/A

****

Datalog
, , PID(ppm)
Index, Date/Time, (Avg)
001, 2017/06/14 08:03:44, 0.0
002, 2017/06/14 08:03:54, 0.0
003, 2017/06/14 08:04:04, 0.0
004, 2017/06/14 08:04:14, 0.0
005, 2017/06/14 08:04:24, 0.0
006, 2017/06/14 08:04:34, 0.1
007, 2017/06/14 08:04:44, 0.1
008, 2017/06/14 08:04:54, 0.1
009, 2017/06/14 08:05:04, 0.1
010, 2017/06/14 08:05:14, 0.1
011, 2017/06/14 08:05:24, 0.1
012, 2017/06/14 08:05:34, 0.1
013, 2017/06/14 08:05:44, 0.0
014, 2017/06/14 08:05:54, 0.1
015, 2017/06/14 08:06:04, 0.1
016, 2017/06/14 08:06:14, 0.1
017, 2017/06/14 08:06:24, 0.1
018, 2017/06/14 08:06:34, 0.1
019, 2017/06/14 08:06:44, 0.0
020, 2017/06/14 08:06:54, 0.1
021, 2017/06/14 08:07:04, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

022, 2017/06/14 08:07:14, 0.0
023, 2017/06/14 08:07:24, 0.0
024, 2017/06/14 08:07:34, 0.1
025, 2017/06/14 08:07:44, 0.1
026, 2017/06/14 08:07:54, 0.1
027, 2017/06/14 08:08:04, 0.1
028, 2017/06/14 08:08:14, 0.1
029, 2017/06/14 08:08:24, 0.1
030, 2017/06/14 08:08:34, 0.1
031, 2017/06/14 08:08:44, 0.1
032, 2017/06/14 08:08:54, 0.1
033, 2017/06/14 08:09:04, 0.1
034, 2017/06/14 08:09:14, 0.1
035, 2017/06/14 08:09:24, 0.0
036, 2017/06/14 08:09:34, 0.0
037, 2017/06/14 08:09:44, 0.0
038, 2017/06/14 08:09:54, 0.0
039, 2017/06/14 08:10:04, 0.0
040, 2017/06/14 08:10:14, 0.1
041, 2017/06/14 08:10:24, 0.0
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043, 2017/06/14 08:10:44, 0.1
044, 2017/06/14 08:10:54, 0.1
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046, 2017/06/14 08:11:14, 0.1
047, 2017/06/14 08:11:24, 0.1
048, 2017/06/14 08:11:34, 0.1
049, 2017/06/14 08:11:44, 0.1
050, 2017/06/14 08:11:54, 0.1
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056, 2017/06/14 08:12:54, 0.1
057, 2017/06/14 08:13:04, 0.1
058, 2017/06/14 08:13:14, 0.1
059, 2017/06/14 08:13:24, 0.1
060, 2017/06/14 08:13:34, 0.0
061, 2017/06/14 08:13:44, 0.0
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065, 2017/06/14 08:14:24, 0.0
066, 2017/06/14 08:14:34, 0.0
067, 2017/06/14 08:14:44, 0.0
068, 2017/06/14 08:14:54, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

069, 2017/06/14 08:15:04, 0.1
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072, 2017/06/14 08:15:34, 0.1
073, 2017/06/14 08:15:44, 0.1
074, 2017/06/14 08:15:54, 0.1
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076, 2017/06/14 08:16:14, 0.0
077, 2017/06/14 08:16:24, 0.1
078, 2017/06/14 08:16:34, 0.1
079, 2017/06/14 08:16:44, 0.0
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083, 2017/06/14 08:17:24, 0.1
084, 2017/06/14 08:17:34, 0.1
085, 2017/06/14 08:17:44, 0.1
086, 2017/06/14 08:17:54, 0.1
087, 2017/06/14 08:18:04, 0.0
088, 2017/06/14 08:18:14, 0.1
089, 2017/06/14 08:18:24, 0.1
090, 2017/06/14 08:18:34, 0.1
091, 2017/06/14 08:18:44, 0.1
092, 2017/06/14 08:18:54, 0.1
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094, 2017/06/14 08:19:14, 0.0
095, 2017/06/14 08:19:24, 0.1
096, 2017/06/14 08:19:34, 0.1
097, 2017/06/14 08:19:44, 0.1
098, 2017/06/14 08:19:54, 0.1
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103, 2017/06/14 08:20:44, 0.1
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112, 2017/06/14 08:22:14, 0.1
113, 2017/06/14 08:22:24, 0.1
114, 2017/06/14 08:22:34, 0.1
115, 2017/06/14 08:22:44, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

116, 2017/06/14 08:22:54, 0.1
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123, 2017/06/14 08:24:04, 0.1
124, 2017/06/14 08:24:14, 0.1
125, 2017/06/14 08:24:24, 0.1
126, 2017/06/14 08:24:34, 0.1
127, 2017/06/14 08:24:44, 0.1
128, 2017/06/14 08:24:54, 0.1
129, 2017/06/14 08:25:04, 0.1
130, 2017/06/14 08:25:14, 0.1
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132, 2017/06/14 08:25:34, 0.1
133, 2017/06/14 08:25:44, 0.1
134, 2017/06/14 08:25:54, 0.1
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139, 2017/06/14 08:26:44, 0.1
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155, 2017/06/14 08:29:24, 0.1
156, 2017/06/14 08:29:34, 0.1
157, 2017/06/14 08:29:44, 0.1
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160, 2017/06/14 08:30:14, 0.1
161, 2017/06/14 08:30:24, 0.1
162, 2017/06/14 08:30:34, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

163, 2017/06/14 08:30:44, 0.1
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167, 2017/06/14 08:31:24, 0.1
168, 2017/06/14 08:31:34, 0.1
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187, 2017/06/14 08:34:44, 0.1
188, 2017/06/14 08:34:54, 0.1
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190, 2017/06/14 08:35:14, 0.1
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199, 2017/06/14 08:36:44, 0.1
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208, 2017/06/14 08:38:14, 0.1
209, 2017/06/14 08:38:24, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

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242, 2017/06/14 08:43:54, 0.1
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247, 2017/06/14 08:44:44, 0.1
248, 2017/06/14 08:44:54, 0.1
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254, 2017/06/14 08:45:54, 0.1
255, 2017/06/14 08:46:04, 0.1
256, 2017/06/14 08:46:14, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

257, 2017/06/14 08:46:24, 0.1
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294, 2017/06/14 08:52:34, 0.1
295, 2017/06/14 08:52:44, 0.1
296, 2017/06/14 08:52:54, 0.1
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301, 2017/06/14 08:53:44, 0.1
302, 2017/06/14 08:53:54, 0.1
303, 2017/06/14 08:54:04, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

304, 2017/06/14 08:54:14, 0.1
305, 2017/06/14 08:54:24, 0.1
306, 2017/06/14 08:54:34, 0.1
307, 2017/06/14 08:54:44, 0.1
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309, 2017/06/14 08:55:04, 0.1
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312, 2017/06/14 08:55:34, 0.1
313, 2017/06/14 08:55:44, 0.1
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317, 2017/06/14 08:56:24, 0.1
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348, 2017/06/14 09:01:34, 0.1
349, 2017/06/14 09:01:44, 0.1
350, 2017/06/14 09:01:54, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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351, 2017/06/14 09:02:04, 0.1
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355, 2017/06/14 09:02:44, 0.1
356, 2017/06/14 09:02:54, 0.1
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361, 2017/06/14 09:03:44, 0.1
362, 2017/06/14 09:03:54, 0.1
363, 2017/06/14 09:04:04, 0.1
364, 2017/06/14 09:04:14, 0.1
365, 2017/06/14 09:04:24, 0.1
366, 2017/06/14 09:04:34, 0.1
367, 2017/06/14 09:04:44, 0.1
368, 2017/06/14 09:04:54, 0.1
369, 2017/06/14 09:05:04, 0.1
370, 2017/06/14 09:05:14, 0.1
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372, 2017/06/14 09:05:34, 0.1
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374, 2017/06/14 09:05:54, 0.1
375, 2017/06/14 09:06:04, 0.1
376, 2017/06/14 09:06:14, 0.1
377, 2017/06/14 09:06:24, 0.1
378, 2017/06/14 09:06:34, 0.1
379, 2017/06/14 09:06:44, 0.1
380, 2017/06/14 09:06:54, 0.1
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382, 2017/06/14 09:07:14, 0.1
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387, 2017/06/14 09:08:04, 0.1
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389, 2017/06/14 09:08:24, 0.1
390, 2017/06/14 09:08:34, 0.1
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393, 2017/06/14 09:09:04, 0.1
394, 2017/06/14 09:09:14, 0.1
395, 2017/06/14 09:09:24, 0.1
396, 2017/06/14 09:09:34, 0.1
397, 2017/06/14 09:09:44, 0.1

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

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398, 2017/06/14 09:09:54, 0.1
Peak, , 0.1
Min, , 0.0
Average, , 0.1

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17/06/14 10:14

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-919025
Unit Firmware Ver	V2.14
Running Mode	Hygiene Mode
Datalog Mode	Manual
Diagnostic Mode	No
Stop Reason	Pause in Menu Mode
Site ID	RAE00000
User ID	USER0000
Begin	6/14/2017 10:14
End	6/14/2017 10:16
Sample Period(s)	10
Number of Records	8
Sensor	PID(ppm)
Sensor SN	S023030183U3
Measure Type	Avg
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	6/14/2017 7:32
Peak	N/A
Min	N/A
Average	N/A

****

Datalog
, , PID(ppm)
Index, Date/Time, (Avg)

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

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001, 2017/06/14 10:14:45, 0.5
002, 2017/06/14 10:14:55, 0.5
003, 2017/06/14 10:15:05, 0.5
004, 2017/06/14 10:15:15, 0.5
005, 2017/06/14 10:15:25, 0.5
006, 2017/06/14 10:15:35, 0.5
007, 2017/06/14 10:15:45, 0.5
008, 2017/06/14 10:15:55, 0.5
Peak, , 0.5
Min, , 0.5
Average, , 0.5

==========

17/06/14 10:16

****

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-919025
Unit Firmware Ver	V2.14
Running Mode	Hygiene Mode
Datalog Mode	Manual
Diagnostic Mode	No
Stop Reason	Stop by User
Site ID	RAE00000
User ID	USER0000
Begin	6/14/2017 10:16
End	6/14/2017 10:16
Sample Period(s)	10
Number of Records	0
Sensor	PID(ppm)
Sensor SN	S023030183U3
Measure Type	Avg
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	6/14/2017 7:32

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000

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Datalog

0 record.

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17/06/14 10:20
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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-919025
Unit Firmware Ver	V2.14
Running Mode	Hygiene Mode
Datalog Mode	Manual
Diagnostic Mode	No
Stop Reason	Stop by User
Site ID	RAE00000
User ID	USER0000
Begin	6/14/2017 10:20
End	6/14/2017 15:23
Sample Period(s)	10
Number of Records	1814
Sensor	PID(ppm)
Sensor SN	S023030183U3
Measure Type	Avg
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	6/14/2017 7:32
Peak	N/A
Min	N/A
Average	N/A

****
Datalog
, , PID(ppm)
Index, Date/Time, (Avg)

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

001, 2017/06/14 10:21:03, 0.0
002, 2017/06/14 10:21:13, 0.0
003, 2017/06/14 10:21:23, 0.0
004, 2017/06/14 10:21:33, 0.0
005, 2017/06/14 10:21:43, 0.0
006, 2017/06/14 10:21:53, 0.0
007, 2017/06/14 10:22:03, 0.0
008, 2017/06/14 10:22:13, 0.0
009, 2017/06/14 10:22:23, 0.0
010, 2017/06/14 10:22:33, 0.0
011, 2017/06/14 10:22:43, 0.0
012, 2017/06/14 10:22:53, 0.0
013, 2017/06/14 10:23:03, 0.0
014, 2017/06/14 10:23:13, 0.0
015, 2017/06/14 10:23:23, 0.0
016, 2017/06/14 10:23:33, 0.0
017, 2017/06/14 10:23:43, 0.0
018, 2017/06/14 10:23:53, 0.0
019, 2017/06/14 10:24:03, 0.0
020, 2017/06/14 10:24:13, 0.0
021, 2017/06/14 10:24:23, 0.0
022, 2017/06/14 10:24:33, 0.0
023, 2017/06/14 10:24:43, 0.0
024, 2017/06/14 10:24:53, 0.0
025, 2017/06/14 10:25:03, 0.0
026, 2017/06/14 10:25:13, 0.0
027, 2017/06/14 10:25:23, 0.0
028, 2017/06/14 10:25:33, 0.0
029, 2017/06/14 10:25:43, 0.0
030, 2017/06/14 10:25:53, 0.0
031, 2017/06/14 10:26:03, 0.0
032, 2017/06/14 10:26:13, 0.0
033, 2017/06/14 10:26:23, 0.0
034, 2017/06/14 10:26:33, 0.0
035, 2017/06/14 10:26:43, 0.0
036, 2017/06/14 10:26:53, 0.0
037, 2017/06/14 10:27:03, 0.0
038, 2017/06/14 10:27:13, 0.0
039, 2017/06/14 10:27:23, 0.0
040, 2017/06/14 10:27:33, 0.0
041, 2017/06/14 10:27:43, 0.0
042, 2017/06/14 10:27:53, 0.0
043, 2017/06/14 10:28:03, 0.0
044, 2017/06/14 10:28:13, 0.0
045, 2017/06/14 10:28:23, 0.0
046, 2017/06/14 10:28:33, 0.0
047, 2017/06/14 10:28:43, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

048, 2017/06/14 10:28:53, 0.0
049, 2017/06/14 10:29:03, 0.0
050, 2017/06/14 10:29:13, 0.0
051, 2017/06/14 10:29:23, 0.0
052, 2017/06/14 10:29:33, 0.0
053, 2017/06/14 10:29:43, 0.0
054, 2017/06/14 10:29:53, 0.0
055, 2017/06/14 10:30:03, 0.0
056, 2017/06/14 10:30:13, 0.0
057, 2017/06/14 10:30:23, 0.0
058, 2017/06/14 10:30:33, 0.0
059, 2017/06/14 10:30:43, 0.0
060, 2017/06/14 10:30:53, 0.0
061, 2017/06/14 10:31:03, 0.0
062, 2017/06/14 10:31:13, 0.0
063, 2017/06/14 10:31:23, 0.0
064, 2017/06/14 10:31:33, 0.0
065, 2017/06/14 10:31:43, 0.0
066, 2017/06/14 10:31:53, 0.0
067, 2017/06/14 10:32:03, 0.0
068, 2017/06/14 10:32:13, 0.0
069, 2017/06/14 10:32:23, 0.0
070, 2017/06/14 10:32:33, 0.0
071, 2017/06/14 10:32:43, 0.0
072, 2017/06/14 10:32:53, 0.0
073, 2017/06/14 10:33:03, 0.0
074, 2017/06/14 10:33:13, 0.0
075, 2017/06/14 10:33:23, 0.0
076, 2017/06/14 10:33:33, 0.0
077, 2017/06/14 10:33:43, 0.0
078, 2017/06/14 10:33:53, 0.0
079, 2017/06/14 10:34:03, 0.0
080, 2017/06/14 10:34:13, 0.0
081, 2017/06/14 10:34:23, 0.0
082, 2017/06/14 10:34:33, 0.0
083, 2017/06/14 10:34:43, 0.0
084, 2017/06/14 10:34:53, 0.0
085, 2017/06/14 10:35:03, 0.0
086, 2017/06/14 10:35:13, 0.0
087, 2017/06/14 10:35:23, 0.0
088, 2017/06/14 10:35:33, 0.0
089, 2017/06/14 10:35:43, 0.0
090, 2017/06/14 10:35:53, 0.0
091, 2017/06/14 10:36:03, 0.0
092, 2017/06/14 10:36:13, 0.0
093, 2017/06/14 10:36:23, 0.0
094, 2017/06/14 10:36:33, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

095, 2017/06/14 10:36:43, 0.0
096, 2017/06/14 10:36:53, 0.0
097, 2017/06/14 10:37:03, 0.0
098, 2017/06/14 10:37:13, 0.0
099, 2017/06/14 10:37:23, 0.0
100, 2017/06/14 10:37:33, 0.0
101, 2017/06/14 10:37:43, 0.0
102, 2017/06/14 10:37:53, 0.0
103, 2017/06/14 10:38:03, 0.0
104, 2017/06/14 10:38:13, 0.0
105, 2017/06/14 10:38:23, 0.0
106, 2017/06/14 10:38:33, 0.0
107, 2017/06/14 10:38:43, 0.0
108, 2017/06/14 10:38:53, 0.0
109, 2017/06/14 10:39:03, 0.0
110, 2017/06/14 10:39:13, 0.0
111, 2017/06/14 10:39:23, 0.0
112, 2017/06/14 10:39:33, 0.0
113, 2017/06/14 10:39:43, 0.0
114, 2017/06/14 10:39:53, 0.0
115, 2017/06/14 10:40:03, 0.0
116, 2017/06/14 10:40:13, 0.0
117, 2017/06/14 10:40:23, 0.0
118, 2017/06/14 10:40:33, 0.0
119, 2017/06/14 10:40:43, 0.0
120, 2017/06/14 10:40:53, 0.0
121, 2017/06/14 10:41:03, 0.0
122, 2017/06/14 10:41:13, 0.0
123, 2017/06/14 10:41:23, 0.0
124, 2017/06/14 10:41:33, 0.0
125, 2017/06/14 10:41:43, 0.0
126, 2017/06/14 10:41:53, 0.0
127, 2017/06/14 10:42:03, 0.0
128, 2017/06/14 10:42:13, 0.0
129, 2017/06/14 10:42:23, 0.0
130, 2017/06/14 10:42:33, 0.0
131, 2017/06/14 10:42:43, 0.0
132, 2017/06/14 10:42:53, 0.0
133, 2017/06/14 10:43:03, 0.0
134, 2017/06/14 10:43:13, 0.0
135, 2017/06/14 10:43:23, 0.0
136, 2017/06/14 10:43:33, 0.0
137, 2017/06/14 10:43:43, 0.0
138, 2017/06/14 10:43:53, 0.0
139, 2017/06/14 10:44:03, 0.0
140, 2017/06/14 10:44:13, 0.0
141, 2017/06/14 10:44:23, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

142, 2017/06/14 10:44:33, 0.0
143, 2017/06/14 10:44:43, 0.0
144, 2017/06/14 10:44:53, 0.0
145, 2017/06/14 10:45:03, 0.0
146, 2017/06/14 10:45:13, 0.0
147, 2017/06/14 10:45:23, 0.0
148, 2017/06/14 10:45:33, 0.0
149, 2017/06/14 10:45:43, 0.0
150, 2017/06/14 10:45:53, 0.0
151, 2017/06/14 10:46:03, 0.0
152, 2017/06/14 10:46:13, 0.0
153, 2017/06/14 10:46:23, 0.0
154, 2017/06/14 10:46:33, 0.0
155, 2017/06/14 10:46:43, 0.0
156, 2017/06/14 10:46:53, 0.0
157, 2017/06/14 10:47:03, 0.0
158, 2017/06/14 10:47:13, 0.0
159, 2017/06/14 10:47:23, 0.0
160, 2017/06/14 10:47:33, 0.0
161, 2017/06/14 10:47:43, 0.0
162, 2017/06/14 10:47:53, 0.0
163, 2017/06/14 10:48:03, 0.0
164, 2017/06/14 10:48:13, 0.0
165, 2017/06/14 10:48:23, 0.0
166, 2017/06/14 10:48:33, 0.0
167, 2017/06/14 10:48:43, 0.0
168, 2017/06/14 10:48:53, 0.0
169, 2017/06/14 10:49:03, 0.0
170, 2017/06/14 10:49:13, 0.0
171, 2017/06/14 10:49:23, 0.0
172, 2017/06/14 10:49:33, 0.0
173, 2017/06/14 10:49:43, 0.0
174, 2017/06/14 10:49:53, 0.0
175, 2017/06/14 10:50:03, 0.0
176, 2017/06/14 10:50:13, 0.0
177, 2017/06/14 10:50:23, 0.0
178, 2017/06/14 10:50:33, 0.0
179, 2017/06/14 10:50:43, 0.0
180, 2017/06/14 10:50:53, 0.0
181, 2017/06/14 10:51:03, 0.0
182, 2017/06/14 10:51:13, 0.0
183, 2017/06/14 10:51:23, 0.0
184, 2017/06/14 10:51:33, 0.0
185, 2017/06/14 10:51:43, 0.0
186, 2017/06/14 10:51:53, 0.0
187, 2017/06/14 10:52:03, 0.0
188, 2017/06/14 10:52:13, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

189, 2017/06/14 10:52:23, 0.0
190, 2017/06/14 10:52:33, 0.0
191, 2017/06/14 10:52:43, 0.0
192, 2017/06/14 10:52:53, 0.0
193, 2017/06/14 10:53:03, 0.0
194, 2017/06/14 10:53:13, 0.0
195, 2017/06/14 10:53:23, 0.0
196, 2017/06/14 10:53:33, 0.0
197, 2017/06/14 10:53:43, 0.0
198, 2017/06/14 10:53:53, 0.0
199, 2017/06/14 10:54:03, 0.0
200, 2017/06/14 10:54:13, 0.0
201, 2017/06/14 10:54:23, 0.0
202, 2017/06/14 10:54:33, 0.0
203, 2017/06/14 10:54:43, 0.0
204, 2017/06/14 10:54:53, 0.0
205, 2017/06/14 10:55:03, 0.0
206, 2017/06/14 10:55:13, 0.0
207, 2017/06/14 10:55:23, 0.0
208, 2017/06/14 10:55:33, 0.0
209, 2017/06/14 10:55:43, 0.0
210, 2017/06/14 10:55:53, 0.0
211, 2017/06/14 10:56:03, 0.0
212, 2017/06/14 10:56:13, 0.0
213, 2017/06/14 10:56:23, 0.0
214, 2017/06/14 10:56:33, 0.0
215, 2017/06/14 10:56:43, 0.0
216, 2017/06/14 10:56:53, 0.0
217, 2017/06/14 10:57:03, 0.0
218, 2017/06/14 10:57:13, 0.0
219, 2017/06/14 10:57:23, 0.0
220, 2017/06/14 10:57:33, 0.0
221, 2017/06/14 10:57:43, 0.0
222, 2017/06/14 10:57:53, 0.0
223, 2017/06/14 10:58:03, 0.0
224, 2017/06/14 10:58:13, 0.0
225, 2017/06/14 10:58:23, 0.0
226, 2017/06/14 10:58:33, 0.0
227, 2017/06/14 10:58:43, 0.0
228, 2017/06/14 10:58:53, 0.0
229, 2017/06/14 10:59:03, 0.0
230, 2017/06/14 10:59:13, 0.0
231, 2017/06/14 10:59:23, 0.0
232, 2017/06/14 10:59:33, 0.0
233, 2017/06/14 10:59:43, 0.0
234, 2017/06/14 10:59:53, 0.0
235, 2017/06/14 11:00:03, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

236, 2017/06/14 11:00:13, 0.0
237, 2017/06/14 11:00:23, 0.0
238, 2017/06/14 11:00:33, 0.0
239, 2017/06/14 11:00:43, 0.0
240, 2017/06/14 11:00:53, 0.0
241, 2017/06/14 11:01:03, 0.0
242, 2017/06/14 11:01:13, 0.0
243, 2017/06/14 11:01:23, 0.0
244, 2017/06/14 11:01:33, 0.0
245, 2017/06/14 11:01:43, 0.0
246, 2017/06/14 11:01:53, 0.0
247, 2017/06/14 11:02:03, 0.0
248, 2017/06/14 11:02:13, 0.0
249, 2017/06/14 11:02:23, 0.0
250, 2017/06/14 11:02:33, 0.0
251, 2017/06/14 11:02:43, 0.0
252, 2017/06/14 11:02:53, 0.0
253, 2017/06/14 11:03:03, 0.0
254, 2017/06/14 11:03:13, 0.0
255, 2017/06/14 11:03:23, 0.0
256, 2017/06/14 11:03:33, 0.0
257, 2017/06/14 11:03:43, 0.0
258, 2017/06/14 11:03:53, 0.0
259, 2017/06/14 11:04:03, 0.0
260, 2017/06/14 11:04:13, 0.0
261, 2017/06/14 11:04:23, 0.0
262, 2017/06/14 11:04:33, 0.0
263, 2017/06/14 11:04:43, 0.0
264, 2017/06/14 11:04:53, 0.0
265, 2017/06/14 11:05:03, 0.0
266, 2017/06/14 11:05:13, 0.0
267, 2017/06/14 11:05:23, 0.0
268, 2017/06/14 11:05:33, 0.0
269, 2017/06/14 11:05:43, 0.0
270, 2017/06/14 11:05:53, 0.0
271, 2017/06/14 11:06:03, 0.0
272, 2017/06/14 11:06:13, 0.0
273, 2017/06/14 11:06:23, 0.0
274, 2017/06/14 11:06:33, 0.0
275, 2017/06/14 11:06:43, 0.0
276, 2017/06/14 11:06:53, 0.0
277, 2017/06/14 11:07:03, 0.0
278, 2017/06/14 11:07:13, 0.0
279, 2017/06/14 11:07:23, 0.0
280, 2017/06/14 11:07:33, 0.0
281, 2017/06/14 11:07:43, 0.0
282, 2017/06/14 11:07:53, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

283, 2017/06/14 11:08:03, 0.0
284, 2017/06/14 11:08:13, 0.0
285, 2017/06/14 11:08:23, 0.0
286, 2017/06/14 11:08:33, 0.0
287, 2017/06/14 11:08:43, 0.0
288, 2017/06/14 11:08:53, 0.0
289, 2017/06/14 11:09:03, 0.0
290, 2017/06/14 11:09:13, 0.0
291, 2017/06/14 11:09:23, 0.0
292, 2017/06/14 11:09:33, 0.0
293, 2017/06/14 11:09:43, 0.0
294, 2017/06/14 11:09:53, 0.0
295, 2017/06/14 11:10:03, 0.0
296, 2017/06/14 11:10:13, 0.0
297, 2017/06/14 11:10:23, 0.0
298, 2017/06/14 11:10:33, 0.1
299, 2017/06/14 11:10:43, 0.0
300, 2017/06/14 11:10:53, 0.0
301, 2017/06/14 11:11:03, 0.0
302, 2017/06/14 11:11:13, 0.0
303, 2017/06/14 11:11:23, 0.0
304, 2017/06/14 11:11:33, 0.0
305, 2017/06/14 11:11:43, 0.0
306, 2017/06/14 11:11:53, 0.0
307, 2017/06/14 11:12:03, 0.0
308, 2017/06/14 11:12:13, 0.0
309, 2017/06/14 11:12:23, 0.0
310, 2017/06/14 11:12:33, 0.0
311, 2017/06/14 11:12:43, 0.0
312, 2017/06/14 11:12:53, 0.0
313, 2017/06/14 11:13:03, 0.0
314, 2017/06/14 11:13:13, 0.0
315, 2017/06/14 11:13:23, 0.0
316, 2017/06/14 11:13:33, 0.0
317, 2017/06/14 11:13:43, 0.0
318, 2017/06/14 11:13:53, 0.0
319, 2017/06/14 11:14:03, 0.0
320, 2017/06/14 11:14:13, 0.0
321, 2017/06/14 11:14:23, 0.0
322, 2017/06/14 11:14:33, 0.0
323, 2017/06/14 11:14:43, 0.0
324, 2017/06/14 11:14:53, 0.0
325, 2017/06/14 11:15:03, 0.0
326, 2017/06/14 11:15:13, 0.0
327, 2017/06/14 11:15:23, 0.0
328, 2017/06/14 11:15:33, 0.0
329, 2017/06/14 11:15:43, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

330, 2017/06/14 11:15:53, 0.0
331, 2017/06/14 11:16:03, 0.0
332, 2017/06/14 11:16:13, 0.0
333, 2017/06/14 11:16:23, 0.0
334, 2017/06/14 11:16:33, 0.0
335, 2017/06/14 11:16:43, 0.0
336, 2017/06/14 11:16:53, 0.0
337, 2017/06/14 11:17:03, 0.0
338, 2017/06/14 11:17:13, 0.0
339, 2017/06/14 11:17:23, 0.0
340, 2017/06/14 11:17:33, 0.0
341, 2017/06/14 11:17:43, 0.0
342, 2017/06/14 11:17:53, 0.0
343, 2017/06/14 11:18:03, 0.0
344, 2017/06/14 11:18:13, 0.0
345, 2017/06/14 11:18:23, 0.0
346, 2017/06/14 11:18:33, 0.0
347, 2017/06/14 11:18:43, 0.0
348, 2017/06/14 11:18:53, 0.0
349, 2017/06/14 11:19:03, 0.0
350, 2017/06/14 11:19:13, 0.0
351, 2017/06/14 11:19:23, 0.0
352, 2017/06/14 11:19:33, 0.0
353, 2017/06/14 11:19:43, 0.0
354, 2017/06/14 11:19:53, 0.0
355, 2017/06/14 11:20:03, 0.0
356, 2017/06/14 11:20:13, 0.0
357, 2017/06/14 11:20:23, 0.0
358, 2017/06/14 11:20:33, 0.0
359, 2017/06/14 11:20:43, 0.0
360, 2017/06/14 11:20:53, 0.0
361, 2017/06/14 11:21:03, 0.0
362, 2017/06/14 11:21:13, 0.0
363, 2017/06/14 11:21:23, 0.0
364, 2017/06/14 11:21:33, 0.0
365, 2017/06/14 11:21:43, 0.0
366, 2017/06/14 11:21:53, 0.0
367, 2017/06/14 11:22:03, 0.0
368, 2017/06/14 11:22:13, 0.0
369, 2017/06/14 11:22:23, 0.0
370, 2017/06/14 11:22:33, 0.0
371, 2017/06/14 11:22:43, 0.0
372, 2017/06/14 11:22:53, 0.0
373, 2017/06/14 11:23:03, 0.0
374, 2017/06/14 11:23:13, 0.0
375, 2017/06/14 11:23:23, 0.0
376, 2017/06/14 11:23:33, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

377, 2017/06/14 11:23:43, 0.0
378, 2017/06/14 11:23:53, 0.0
379, 2017/06/14 11:24:03, 0.0
380, 2017/06/14 11:24:13, 0.0
381, 2017/06/14 11:24:23, 0.0
382, 2017/06/14 11:24:33, 0.0
383, 2017/06/14 11:24:43, 0.0
384, 2017/06/14 11:24:53, 0.0
385, 2017/06/14 11:25:03, 0.0
386, 2017/06/14 11:25:13, 0.0
387, 2017/06/14 11:25:23, 0.0
388, 2017/06/14 11:25:33, 0.0
389, 2017/06/14 11:25:43, 0.0
390, 2017/06/14 11:25:53, 0.0
391, 2017/06/14 11:26:03, 0.0
392, 2017/06/14 11:26:13, 0.0
393, 2017/06/14 11:26:23, 0.0
394, 2017/06/14 11:26:33, 0.0
395, 2017/06/14 11:26:43, 0.0
396, 2017/06/14 11:26:53, 0.0
397, 2017/06/14 11:27:03, 0.0
398, 2017/06/14 11:27:13, 0.0
399, 2017/06/14 11:27:23, 0.0
400, 2017/06/14 11:27:33, 0.0
401, 2017/06/14 11:27:43, 0.0
402, 2017/06/14 11:27:53, 0.0
403, 2017/06/14 11:28:03, 0.0
404, 2017/06/14 11:28:13, 0.0
405, 2017/06/14 11:28:23, 0.0
406, 2017/06/14 11:28:33, 0.0
407, 2017/06/14 11:28:43, 0.0
408, 2017/06/14 11:28:53, 0.0
409, 2017/06/14 11:29:03, 0.0
410, 2017/06/14 11:29:13, 0.0
411, 2017/06/14 11:29:23, 0.0
412, 2017/06/14 11:29:33, 0.0
413, 2017/06/14 11:29:43, 0.0
414, 2017/06/14 11:29:53, 0.0
415, 2017/06/14 11:30:03, 0.0
416, 2017/06/14 11:30:13, 0.0
417, 2017/06/14 11:30:23, 0.0
418, 2017/06/14 11:30:33, 0.0
419, 2017/06/14 11:30:43, 0.0
420, 2017/06/14 11:30:53, 0.0
421, 2017/06/14 11:31:03, 0.0
422, 2017/06/14 11:31:13, 0.0
423, 2017/06/14 11:31:23, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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424, 2017/06/14 11:31:33, 0.0
425, 2017/06/14 11:31:43, 0.0
426, 2017/06/14 11:31:53, 0.0
427, 2017/06/14 11:32:03, 0.0
428, 2017/06/14 11:32:13, 0.0
429, 2017/06/14 11:32:23, 0.0
430, 2017/06/14 11:32:33, 0.0
431, 2017/06/14 11:32:43, 0.0
432, 2017/06/14 11:32:53, 0.0
433, 2017/06/14 11:33:03, 0.0
434, 2017/06/14 11:33:13, 0.0
435, 2017/06/14 11:33:23, 0.0
436, 2017/06/14 11:33:33, 0.0
437, 2017/06/14 11:33:43, 0.0
438, 2017/06/14 11:33:53, 0.0
439, 2017/06/14 11:34:03, 0.0
440, 2017/06/14 11:34:13, 0.0
441, 2017/06/14 11:34:23, 0.0
442, 2017/06/14 11:34:33, 0.0
443, 2017/06/14 11:34:43, 0.0
444, 2017/06/14 11:34:53, 0.0
445, 2017/06/14 11:35:03, 0.0
446, 2017/06/14 11:35:13, 0.0
447, 2017/06/14 11:35:23, 0.0
448, 2017/06/14 11:35:33, 0.0
449, 2017/06/14 11:35:43, 0.0
450, 2017/06/14 11:35:53, 0.0
451, 2017/06/14 11:36:03, 0.0
452, 2017/06/14 11:36:13, 0.0
453, 2017/06/14 11:36:23, 0.0
454, 2017/06/14 11:36:33, 0.0
455, 2017/06/14 11:36:43, 0.0
456, 2017/06/14 11:36:53, 0.0
457, 2017/06/14 11:37:03, 0.0
458, 2017/06/14 11:37:13, 0.0
459, 2017/06/14 11:37:23, 0.0
460, 2017/06/14 11:37:33, 0.0
461, 2017/06/14 11:37:43, 0.0
462, 2017/06/14 11:37:53, 0.0
463, 2017/06/14 11:38:03, 0.0
464, 2017/06/14 11:38:13, 0.0
465, 2017/06/14 11:38:23, 0.0
466, 2017/06/14 11:38:33, 0.0
467, 2017/06/14 11:38:43, 0.0
468, 2017/06/14 11:38:53, 0.0
469, 2017/06/14 11:39:03, 0.0
470, 2017/06/14 11:39:13, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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471, 2017/06/14 11:39:23, 0.0
472, 2017/06/14 11:39:33, 0.0
473, 2017/06/14 11:39:43, 0.0
474, 2017/06/14 11:39:53, 0.0
475, 2017/06/14 11:40:03, 0.0
476, 2017/06/14 11:40:13, 0.0
477, 2017/06/14 11:40:23, 0.0
478, 2017/06/14 11:40:33, 0.0
479, 2017/06/14 11:40:43, 0.0
480, 2017/06/14 11:40:53, 0.0
481, 2017/06/14 11:41:03, 0.0
482, 2017/06/14 11:41:13, 0.0
483, 2017/06/14 11:41:23, 0.0
484, 2017/06/14 11:41:33, 0.0
485, 2017/06/14 11:41:43, 0.0
486, 2017/06/14 11:41:53, 0.0
487, 2017/06/14 11:42:03, 0.0
488, 2017/06/14 11:42:13, 0.0
489, 2017/06/14 11:42:23, 0.0
490, 2017/06/14 11:42:33, 0.0
491, 2017/06/14 11:42:43, 0.0
492, 2017/06/14 11:42:53, 0.0
493, 2017/06/14 11:43:03, 0.0
494, 2017/06/14 11:43:13, 0.0
495, 2017/06/14 11:43:23, 0.0
496, 2017/06/14 11:43:33, 0.0
497, 2017/06/14 11:43:43, 0.0
498, 2017/06/14 11:43:53, 0.0
499, 2017/06/14 11:44:03, 0.0
500, 2017/06/14 11:44:13, 0.0
501, 2017/06/14 11:44:23, 0.0
502, 2017/06/14 11:44:33, 0.0
503, 2017/06/14 11:44:43, 0.0
504, 2017/06/14 11:44:53, 0.0
505, 2017/06/14 11:45:03, 0.0
506, 2017/06/14 11:45:13, 0.0
507, 2017/06/14 11:45:23, 0.0
508, 2017/06/14 11:45:33, 0.0
509, 2017/06/14 11:45:43, 0.0
510, 2017/06/14 11:45:53, 0.0
511, 2017/06/14 11:46:03, 0.0
512, 2017/06/14 11:46:13, 0.0
513, 2017/06/14 11:46:23, 0.0
514, 2017/06/14 11:46:33, 0.0
515, 2017/06/14 11:46:43, 0.0
516, 2017/06/14 11:46:53, 0.0
517, 2017/06/14 11:47:03, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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518, 2017/06/14 11:47:13, 0.0
519, 2017/06/14 11:47:23, 0.0
520, 2017/06/14 11:47:33, 0.0
521, 2017/06/14 11:47:43, 0.0
522, 2017/06/14 11:47:53, 0.0
523, 2017/06/14 11:48:03, 0.0
524, 2017/06/14 11:48:13, 0.0
525, 2017/06/14 11:48:23, 0.0
526, 2017/06/14 11:48:33, 0.0
527, 2017/06/14 11:48:43, 0.0
528, 2017/06/14 11:48:53, 0.0
529, 2017/06/14 11:49:03, 0.0
530, 2017/06/14 11:49:13, 0.0
531, 2017/06/14 11:49:23, 0.0
532, 2017/06/14 11:49:33, 0.0
533, 2017/06/14 11:49:43, 0.0
534, 2017/06/14 11:49:53, 0.0
535, 2017/06/14 11:50:03, 0.0
536, 2017/06/14 11:50:13, 0.0
537, 2017/06/14 11:50:23, 0.0
538, 2017/06/14 11:50:33, 0.0
539, 2017/06/14 11:50:43, 0.0
540, 2017/06/14 11:50:53, 0.0
541, 2017/06/14 11:51:03, 0.0
542, 2017/06/14 11:51:13, 0.0
543, 2017/06/14 11:51:23, 0.0
544, 2017/06/14 11:51:33, 0.0
545, 2017/06/14 11:51:43, 0.0
546, 2017/06/14 11:51:53, 0.0
547, 2017/06/14 11:52:03, 0.0
548, 2017/06/14 11:52:13, 0.0
549, 2017/06/14 11:52:23, 0.0
550, 2017/06/14 11:52:33, 0.0
551, 2017/06/14 11:52:43, 0.0
552, 2017/06/14 11:52:53, 0.0
553, 2017/06/14 11:53:03, 0.0
554, 2017/06/14 11:53:13, 0.0
555, 2017/06/14 11:53:23, 0.0
556, 2017/06/14 11:53:33, 0.0
557, 2017/06/14 11:53:43, 0.0
558, 2017/06/14 11:53:53, 0.0
559, 2017/06/14 11:54:03, 0.0
560, 2017/06/14 11:54:13, 0.0
561, 2017/06/14 11:54:23, 0.0
562, 2017/06/14 11:54:33, 0.0
563, 2017/06/14 11:54:43, 0.0
564, 2017/06/14 11:54:53, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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565, 2017/06/14 11:55:03, 0.0
566, 2017/06/14 11:55:13, 0.0
567, 2017/06/14 11:55:23, 0.0
568, 2017/06/14 11:55:33, 0.0
569, 2017/06/14 11:55:43, 0.0
570, 2017/06/14 11:55:53, 0.0
571, 2017/06/14 11:56:03, 0.0
572, 2017/06/14 11:56:13, 0.0
573, 2017/06/14 11:56:23, 0.0
574, 2017/06/14 11:56:33, 0.0
575, 2017/06/14 11:56:43, 0.0
576, 2017/06/14 11:56:53, 0.0
577, 2017/06/14 11:57:03, 0.0
578, 2017/06/14 11:57:13, 0.0
579, 2017/06/14 11:57:23, 0.0
580, 2017/06/14 11:57:33, 0.0
581, 2017/06/14 11:57:43, 0.0
582, 2017/06/14 11:57:53, 0.0
583, 2017/06/14 11:58:03, 0.0
584, 2017/06/14 11:58:13, 0.0
585, 2017/06/14 11:58:23, 0.0
586, 2017/06/14 11:58:33, 0.0
587, 2017/06/14 11:58:43, 0.0
588, 2017/06/14 11:58:53, 0.0
589, 2017/06/14 11:59:03, 0.0
590, 2017/06/14 11:59:13, 0.0
591, 2017/06/14 11:59:23, 0.0
592, 2017/06/14 11:59:33, 0.0
593, 2017/06/14 11:59:43, 0.0
594, 2017/06/14 11:59:53, 0.0
595, 2017/06/14 12:00:03, 0.0
596, 2017/06/14 12:00:13, 0.0
597, 2017/06/14 12:00:23, 0.0
598, 2017/06/14 12:00:33, 0.0
599, 2017/06/14 12:00:43, 0.0
600, 2017/06/14 12:00:53, 0.0
601, 2017/06/14 12:01:03, 0.0
602, 2017/06/14 12:01:13, 0.0
603, 2017/06/14 12:01:23, 0.0
604, 2017/06/14 12:01:33, 0.0
605, 2017/06/14 12:01:43, 0.0
606, 2017/06/14 12:01:53, 0.0
607, 2017/06/14 12:02:03, 0.0
608, 2017/06/14 12:02:13, 0.0
609, 2017/06/14 12:02:23, 0.0
610, 2017/06/14 12:02:33, 0.0
611, 2017/06/14 12:02:43, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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612, 2017/06/14 12:02:53, 0.0
613, 2017/06/14 12:03:03, 0.0
614, 2017/06/14 12:03:13, 0.0
615, 2017/06/14 12:03:23, 0.0
616, 2017/06/14 12:03:33, 0.0
617, 2017/06/14 12:03:43, 0.0
618, 2017/06/14 12:03:53, 0.0
619, 2017/06/14 12:04:03, 0.0
620, 2017/06/14 12:04:13, 0.0
621, 2017/06/14 12:04:23, 0.0
622, 2017/06/14 12:04:33, 0.0
623, 2017/06/14 12:04:43, 0.0
624, 2017/06/14 12:04:53, 0.0
625, 2017/06/14 12:05:03, 0.0
626, 2017/06/14 12:05:13, 0.0
627, 2017/06/14 12:05:23, 0.0
628, 2017/06/14 12:05:33, 0.0
629, 2017/06/14 12:05:43, 0.0
630, 2017/06/14 12:05:53, 0.0
631, 2017/06/14 12:06:03, 0.0
632, 2017/06/14 12:06:13, 0.0
633, 2017/06/14 12:06:23, 0.0
634, 2017/06/14 12:06:33, 0.0
635, 2017/06/14 12:06:43, 0.0
636, 2017/06/14 12:06:53, 0.0
637, 2017/06/14 12:07:03, 0.0
638, 2017/06/14 12:07:13, 0.0
639, 2017/06/14 12:07:23, 0.0
640, 2017/06/14 12:07:33, 0.0
641, 2017/06/14 12:07:43, 0.0
642, 2017/06/14 12:07:53, 0.0
643, 2017/06/14 12:08:03, 0.0
644, 2017/06/14 12:08:13, 0.0
645, 2017/06/14 12:08:23, 0.0
646, 2017/06/14 12:08:33, 0.0
647, 2017/06/14 12:08:43, 0.0
648, 2017/06/14 12:08:53, 0.0
649, 2017/06/14 12:09:03, 0.0
650, 2017/06/14 12:09:13, 0.0
651, 2017/06/14 12:09:23, 0.0
652, 2017/06/14 12:09:33, 0.0
653, 2017/06/14 12:09:43, 0.0
654, 2017/06/14 12:09:53, 0.0
655, 2017/06/14 12:10:03, 0.0
656, 2017/06/14 12:10:13, 0.0
657, 2017/06/14 12:10:23, 0.0
658, 2017/06/14 12:10:33, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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659, 2017/06/14 12:10:43, 0.0
660, 2017/06/14 12:10:53, 0.0
661, 2017/06/14 12:11:03, 0.0
662, 2017/06/14 12:11:13, 0.0
663, 2017/06/14 12:11:23, 0.0
664, 2017/06/14 12:11:33, 0.0
665, 2017/06/14 12:11:43, 0.0
666, 2017/06/14 12:11:53, 0.0
667, 2017/06/14 12:12:03, 0.0
668, 2017/06/14 12:12:13, 0.0
669, 2017/06/14 12:12:23, 0.0
670, 2017/06/14 12:12:33, 0.0
671, 2017/06/14 12:12:43, 0.0
672, 2017/06/14 12:12:53, 0.0
673, 2017/06/14 12:13:03, 0.0
674, 2017/06/14 12:13:13, 0.0
675, 2017/06/14 12:13:23, 0.0
676, 2017/06/14 12:13:33, 0.0
677, 2017/06/14 12:13:43, 0.0
678, 2017/06/14 12:13:53, 0.0
679, 2017/06/14 12:14:03, 0.0
680, 2017/06/14 12:14:13, 0.0
681, 2017/06/14 12:14:23, 0.0
682, 2017/06/14 12:14:33, 0.0
683, 2017/06/14 12:14:43, 0.0
684, 2017/06/14 12:14:53, 0.0
685, 2017/06/14 12:15:03, 0.0
686, 2017/06/14 12:15:13, 0.0
687, 2017/06/14 12:15:23, 0.0
688, 2017/06/14 12:15:33, 0.0
689, 2017/06/14 12:15:43, 0.0
690, 2017/06/14 12:15:53, 0.0
691, 2017/06/14 12:16:03, 0.0
692, 2017/06/14 12:16:13, 0.0
693, 2017/06/14 12:16:23, 0.0
694, 2017/06/14 12:16:33, 0.0
695, 2017/06/14 12:16:43, 0.0
696, 2017/06/14 12:16:53, 0.0
697, 2017/06/14 12:17:03, 0.0
698, 2017/06/14 12:17:13, 0.0
699, 2017/06/14 12:17:23, 0.0
700, 2017/06/14 12:17:33, 0.0
701, 2017/06/14 12:17:43, 0.0
702, 2017/06/14 12:17:53, 0.0
703, 2017/06/14 12:18:03, 0.0
704, 2017/06/14 12:18:13, 0.0
705, 2017/06/14 12:18:23, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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706, 2017/06/14 12:18:33, 0.0
707, 2017/06/14 12:18:43, 0.0
708, 2017/06/14 12:18:53, 0.0
709, 2017/06/14 12:19:03, 0.0
710, 2017/06/14 12:19:13, 0.0
711, 2017/06/14 12:19:23, 0.0
712, 2017/06/14 12:19:33, 0.0
713, 2017/06/14 12:19:43, 0.0
714, 2017/06/14 12:19:53, 0.0
715, 2017/06/14 12:20:03, 0.0
716, 2017/06/14 12:20:13, 0.0
717, 2017/06/14 12:20:23, 0.0
718, 2017/06/14 12:20:33, 0.0
719, 2017/06/14 12:20:43, 0.0
720, 2017/06/14 12:20:53, 0.0
721, 2017/06/14 12:21:03, 0.0
722, 2017/06/14 12:21:13, 0.0
723, 2017/06/14 12:21:23, 0.0
724, 2017/06/14 12:21:33, 0.0
725, 2017/06/14 12:21:43, 0.0
726, 2017/06/14 12:21:53, 0.0
727, 2017/06/14 12:22:03, 0.0
728, 2017/06/14 12:22:13, 0.0
729, 2017/06/14 12:22:23, 0.0
730, 2017/06/14 12:22:33, 0.0
731, 2017/06/14 12:22:43, 0.0
732, 2017/06/14 12:22:53, 0.0
733, 2017/06/14 12:23:03, 0.0
734, 2017/06/14 12:23:13, 0.0
735, 2017/06/14 12:23:23, 0.0
736, 2017/06/14 12:23:33, 0.0
737, 2017/06/14 12:23:43, 0.0
738, 2017/06/14 12:23:53, 0.0
739, 2017/06/14 12:24:03, 0.0
740, 2017/06/14 12:24:13, 0.0
741, 2017/06/14 12:24:23, 0.0
742, 2017/06/14 12:24:33, 0.0
743, 2017/06/14 12:24:43, 0.0
744, 2017/06/14 12:24:53, 0.0
745, 2017/06/14 12:25:03, 0.0
746, 2017/06/14 12:25:13, 0.0
747, 2017/06/14 12:25:23, 0.0
748, 2017/06/14 12:25:33, 0.0
749, 2017/06/14 12:25:43, 0.0
750, 2017/06/14 12:25:53, 0.0
751, 2017/06/14 12:26:03, 0.0
752, 2017/06/14 12:26:13, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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753, 2017/06/14 12:26:23, 0.0
754, 2017/06/14 12:26:33, 0.0
755, 2017/06/14 12:26:43, 0.0
756, 2017/06/14 12:26:53, 0.0
757, 2017/06/14 12:27:03, 0.0
758, 2017/06/14 12:27:13, 0.0
759, 2017/06/14 12:27:23, 0.0
760, 2017/06/14 12:27:33, 0.0
761, 2017/06/14 12:27:43, 0.0
762, 2017/06/14 12:27:53, 0.0
763, 2017/06/14 12:28:03, 0.0
764, 2017/06/14 12:28:13, 0.0
765, 2017/06/14 12:28:23, 0.0
766, 2017/06/14 12:28:33, 0.0
767, 2017/06/14 12:28:43, 0.0
768, 2017/06/14 12:28:53, 0.0
769, 2017/06/14 12:29:03, 0.0
770, 2017/06/14 12:29:13, 0.0
771, 2017/06/14 12:29:23, 0.0
772, 2017/06/14 12:29:33, 0.0
773, 2017/06/14 12:29:43, 0.0
774, 2017/06/14 12:29:53, 0.0
775, 2017/06/14 12:30:03, 0.0
776, 2017/06/14 12:30:13, 0.0
777, 2017/06/14 12:30:23, 0.0
778, 2017/06/14 12:30:33, 0.0
779, 2017/06/14 12:30:43, 0.0
780, 2017/06/14 12:30:53, 0.0
781, 2017/06/14 12:31:03, 0.0
782, 2017/06/14 12:31:13, 0.0
783, 2017/06/14 12:31:23, 0.0
784, 2017/06/14 12:31:33, 0.0
785, 2017/06/14 12:31:43, 0.0
786, 2017/06/14 12:31:53, 0.0
787, 2017/06/14 12:32:03, 0.0
788, 2017/06/14 12:32:13, 0.0
789, 2017/06/14 12:32:23, 0.0
790, 2017/06/14 12:32:33, 0.0
791, 2017/06/14 12:32:43, 0.0
792, 2017/06/14 12:32:53, 0.0
793, 2017/06/14 12:33:03, 0.0
794, 2017/06/14 12:33:13, 0.0
795, 2017/06/14 12:33:23, 0.0
796, 2017/06/14 12:33:33, 0.0
797, 2017/06/14 12:33:43, 0.0
798, 2017/06/14 12:33:53, 0.0
799, 2017/06/14 12:34:03, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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800, 2017/06/14 12:34:13, 0.0
801, 2017/06/14 12:34:23, 0.0
802, 2017/06/14 12:34:33, 0.0
803, 2017/06/14 12:34:43, 0.0
804, 2017/06/14 12:34:53, 0.0
805, 2017/06/14 12:35:03, 0.0
806, 2017/06/14 12:35:13, 0.0
807, 2017/06/14 12:35:23, 0.0
808, 2017/06/14 12:35:33, 0.0
809, 2017/06/14 12:35:43, 0.0
810, 2017/06/14 12:35:53, 0.0
811, 2017/06/14 12:36:03, 0.0
812, 2017/06/14 12:36:13, 0.0
813, 2017/06/14 12:36:23, 0.0
814, 2017/06/14 12:36:33, 0.0
815, 2017/06/14 12:36:43, 0.0
816, 2017/06/14 12:36:53, 0.0
817, 2017/06/14 12:37:03, 0.0
818, 2017/06/14 12:37:13, 0.0
819, 2017/06/14 12:37:23, 0.0
820, 2017/06/14 12:37:33, 0.0
821, 2017/06/14 12:37:43, 0.0
822, 2017/06/14 12:37:53, 0.0
823, 2017/06/14 12:38:03, 0.0
824, 2017/06/14 12:38:13, 0.0
825, 2017/06/14 12:38:23, 0.0
826, 2017/06/14 12:38:33, 0.0
827, 2017/06/14 12:38:43, 0.0
828, 2017/06/14 12:38:53, 0.0
829, 2017/06/14 12:39:03, 0.0
830, 2017/06/14 12:39:13, 0.0
831, 2017/06/14 12:39:23, 0.0
832, 2017/06/14 12:39:33, 0.0
833, 2017/06/14 12:39:43, 0.0
834, 2017/06/14 12:39:53, 0.0
835, 2017/06/14 12:40:03, 0.0
836, 2017/06/14 12:40:13, 0.0
837, 2017/06/14 12:40:23, 0.0
838, 2017/06/14 12:40:33, 0.0
839, 2017/06/14 12:40:43, 0.0
840, 2017/06/14 12:40:53, 0.0
841, 2017/06/14 12:41:03, 0.0
842, 2017/06/14 12:41:13, 0.0
843, 2017/06/14 12:41:23, 0.0
844, 2017/06/14 12:41:33, 0.0
845, 2017/06/14 12:41:43, 0.0
846, 2017/06/14 12:41:53, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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847, 2017/06/14 12:42:03, 0.0
848, 2017/06/14 12:42:13, 0.0
849, 2017/06/14 12:42:23, 0.0
850, 2017/06/14 12:42:33, 0.0
851, 2017/06/14 12:42:43, 0.0
852, 2017/06/14 12:42:53, 0.0
853, 2017/06/14 12:43:03, 0.0
854, 2017/06/14 12:43:13, 0.0
855, 2017/06/14 12:43:23, 0.0
856, 2017/06/14 12:43:33, 0.0
857, 2017/06/14 12:43:43, 0.0
858, 2017/06/14 12:43:53, 0.0
859, 2017/06/14 12:44:03, 0.0
860, 2017/06/14 12:44:13, 0.0
861, 2017/06/14 12:44:23, 0.0
862, 2017/06/14 12:44:33, 0.0
863, 2017/06/14 12:44:43, 0.0
864, 2017/06/14 12:44:53, 0.0
865, 2017/06/14 12:45:03, 0.0
866, 2017/06/14 12:45:13, 0.0
867, 2017/06/14 12:45:23, 0.0
868, 2017/06/14 12:45:33, 0.0
869, 2017/06/14 12:45:43, 0.0
870, 2017/06/14 12:45:53, 0.0
871, 2017/06/14 12:46:03, 0.0
872, 2017/06/14 12:46:13, 0.0
873, 2017/06/14 12:46:23, 0.0
874, 2017/06/14 12:46:33, 0.0
875, 2017/06/14 12:46:43, 0.0
876, 2017/06/14 12:46:53, 0.0
877, 2017/06/14 12:47:03, 0.0
878, 2017/06/14 12:47:13, 0.0
879, 2017/06/14 12:47:23, 0.0
880, 2017/06/14 12:47:33, 0.0
881, 2017/06/14 12:47:43, 0.0
882, 2017/06/14 12:47:53, 0.0
883, 2017/06/14 12:48:03, 0.0
884, 2017/06/14 12:48:13, 0.0
885, 2017/06/14 12:48:23, 0.0
886, 2017/06/14 12:48:33, 0.0
887, 2017/06/14 12:48:43, 0.0
888, 2017/06/14 12:48:53, 0.0
889, 2017/06/14 12:49:03, 0.0
890, 2017/06/14 12:49:13, 0.0
891, 2017/06/14 12:49:23, 0.0
892, 2017/06/14 12:49:33, 0.0
893, 2017/06/14 12:49:43, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

894, 2017/06/14 12:49:53, 0.0
895, 2017/06/14 12:50:03, 0.0
896, 2017/06/14 12:50:13, 0.0
897, 2017/06/14 12:50:23, 0.0
898, 2017/06/14 12:50:33, 0.0
899, 2017/06/14 12:50:43, 0.0
900, 2017/06/14 12:50:53, 0.0
901, 2017/06/14 12:51:03, 0.0
902, 2017/06/14 12:51:13, 0.0
903, 2017/06/14 12:51:23, 0.0
904, 2017/06/14 12:51:33, 0.0
905, 2017/06/14 12:51:43, 0.0
906, 2017/06/14 12:51:53, 0.0
907, 2017/06/14 12:52:03, 0.0
908, 2017/06/14 12:52:13, 0.0
909, 2017/06/14 12:52:23, 0.0
910, 2017/06/14 12:52:33, 0.0
911, 2017/06/14 12:52:43, 0.0
912, 2017/06/14 12:52:53, 0.0
913, 2017/06/14 12:53:03, 0.0
914, 2017/06/14 12:53:13, 0.0
915, 2017/06/14 12:53:23, 0.0
916, 2017/06/14 12:53:33, 0.0
917, 2017/06/14 12:53:43, 0.0
918, 2017/06/14 12:53:53, 0.0
919, 2017/06/14 12:54:03, 0.0
920, 2017/06/14 12:54:13, 0.0
921, 2017/06/14 12:54:23, 0.0
922, 2017/06/14 12:54:33, 0.0
923, 2017/06/14 12:54:43, 0.0
924, 2017/06/14 12:54:53, 0.0
925, 2017/06/14 12:55:03, 0.0
926, 2017/06/14 12:55:13, 0.0
927, 2017/06/14 12:55:23, 0.0
928, 2017/06/14 12:55:33, 0.0
929, 2017/06/14 12:55:43, 0.0
930, 2017/06/14 12:55:53, 0.0
931, 2017/06/14 12:56:03, 0.0
932, 2017/06/14 12:56:13, 0.0
933, 2017/06/14 12:56:23, 0.0
934, 2017/06/14 12:56:33, 0.0
935, 2017/06/14 12:56:43, 0.0
936, 2017/06/14 12:56:53, 0.0
937, 2017/06/14 12:57:03, 0.0
938, 2017/06/14 12:57:13, 0.0
939, 2017/06/14 12:57:23, 0.0
940, 2017/06/14 12:57:33, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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941, 2017/06/14 12:57:43, 0.0
942, 2017/06/14 12:57:53, 0.0
943, 2017/06/14 12:58:03, 0.0
944, 2017/06/14 12:58:13, 0.0
945, 2017/06/14 12:58:23, 0.0
946, 2017/06/14 12:58:33, 0.0
947, 2017/06/14 12:58:43, 0.0
948, 2017/06/14 12:58:53, 0.0
949, 2017/06/14 12:59:03, 0.0
950, 2017/06/14 12:59:13, 0.0
951, 2017/06/14 12:59:23, 0.0
952, 2017/06/14 12:59:33, 0.0
953, 2017/06/14 12:59:43, 0.0
954, 2017/06/14 12:59:53, 0.0
955, 2017/06/14 13:00:03, 0.0
956, 2017/06/14 13:00:13, 0.0
957, 2017/06/14 13:00:23, 0.0
958, 2017/06/14 13:00:33, 0.0
959, 2017/06/14 13:00:43, 0.0
960, 2017/06/14 13:00:53, 0.0
961, 2017/06/14 13:01:03, 0.0
962, 2017/06/14 13:01:13, 0.0
963, 2017/06/14 13:01:23, 0.0
964, 2017/06/14 13:01:33, 0.0
965, 2017/06/14 13:01:43, 0.0
966, 2017/06/14 13:01:53, 0.0
967, 2017/06/14 13:02:03, 0.0
968, 2017/06/14 13:02:13, 0.0
969, 2017/06/14 13:02:23, 0.0
970, 2017/06/14 13:02:33, 0.0
971, 2017/06/14 13:02:43, 0.0
972, 2017/06/14 13:02:53, 0.0
973, 2017/06/14 13:03:03, 0.0
974, 2017/06/14 13:03:13, 0.0
975, 2017/06/14 13:03:23, 0.0
976, 2017/06/14 13:03:33, 0.0
977, 2017/06/14 13:03:43, 0.0
978, 2017/06/14 13:03:53, 0.0
979, 2017/06/14 13:04:03, 0.0
980, 2017/06/14 13:04:13, 0.0
981, 2017/06/14 13:04:23, 0.0
982, 2017/06/14 13:04:33, 0.0
983, 2017/06/14 13:04:43, 0.0
984, 2017/06/14 13:04:53, 0.0
985, 2017/06/14 13:05:03, 0.0
986, 2017/06/14 13:05:13, 0.0
987, 2017/06/14 13:05:23, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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988, 2017/06/14 13:05:33, 0.0
989, 2017/06/14 13:05:43, 0.0
990, 2017/06/14 13:05:53, 0.0
991, 2017/06/14 13:06:03, 0.0
992, 2017/06/14 13:06:13, 0.0
993, 2017/06/14 13:06:23, 0.0
994, 2017/06/14 13:06:33, 0.0
995, 2017/06/14 13:06:43, 0.0
996, 2017/06/14 13:06:53, 0.0
997, 2017/06/14 13:07:03, 0.0
998, 2017/06/14 13:07:13, 0.0
999, 2017/06/14 13:07:23, 0.0
1000, 2017/06/14 13:07:33, 0.0
1001, 2017/06/14 13:07:43, 0.0
1002, 2017/06/14 13:07:53, 0.0
1003, 2017/06/14 13:08:03, 0.0
1004, 2017/06/14 13:08:13, 0.0
1005, 2017/06/14 13:08:23, 0.0
1006, 2017/06/14 13:08:33, 0.0
1007, 2017/06/14 13:08:43, 0.0
1008, 2017/06/14 13:08:53, 0.0
1009, 2017/06/14 13:09:03, 0.0
1010, 2017/06/14 13:09:13, 0.0
1011, 2017/06/14 13:09:23, 0.0
1012, 2017/06/14 13:09:33, 0.0
1013, 2017/06/14 13:09:43, 0.0
1014, 2017/06/14 13:09:53, 0.0
1015, 2017/06/14 13:10:03, 0.0
1016, 2017/06/14 13:10:13, 0.0
1017, 2017/06/14 13:10:23, 0.0
1018, 2017/06/14 13:10:33, 0.0
1019, 2017/06/14 13:10:43, 0.0
1020, 2017/06/14 13:10:53, 0.0
1021, 2017/06/14 13:11:03, 0.0
1022, 2017/06/14 13:11:13, 0.0
1023, 2017/06/14 13:11:23, 0.0
1024, 2017/06/14 13:11:33, 0.0
1025, 2017/06/14 13:11:43, 0.0
1026, 2017/06/14 13:11:53, 0.0
1027, 2017/06/14 13:12:03, 0.0
1028, 2017/06/14 13:12:13, 0.0
1029, 2017/06/14 13:12:23, 0.0
1030, 2017/06/14 13:12:33, 0.0
1031, 2017/06/14 13:12:43, 0.0
1032, 2017/06/14 13:12:53, 0.0
1033, 2017/06/14 13:13:03, 0.0
1034, 2017/06/14 13:13:13, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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1035, 2017/06/14 13:13:23, 0.0
1036, 2017/06/14 13:13:33, 0.0
1037, 2017/06/14 13:13:43, 0.0
1038, 2017/06/14 13:13:53, 0.0
1039, 2017/06/14 13:14:03, 0.0
1040, 2017/06/14 13:14:13, 0.0
1041, 2017/06/14 13:14:23, 0.0
1042, 2017/06/14 13:14:33, 0.0
1043, 2017/06/14 13:14:43, 0.0
1044, 2017/06/14 13:14:53, 0.0
1045, 2017/06/14 13:15:03, 0.0
1046, 2017/06/14 13:15:13, 0.0
1047, 2017/06/14 13:15:23, 0.0
1048, 2017/06/14 13:15:33, 0.0
1049, 2017/06/14 13:15:43, 0.0
1050, 2017/06/14 13:15:53, 0.0
1051, 2017/06/14 13:16:03, 0.0
1052, 2017/06/14 13:16:13, 0.0
1053, 2017/06/14 13:16:23, 0.0
1054, 2017/06/14 13:16:33, 0.0
1055, 2017/06/14 13:16:43, 0.0
1056, 2017/06/14 13:16:53, 0.0
1057, 2017/06/14 13:17:03, 0.0
1058, 2017/06/14 13:17:13, 0.0
1059, 2017/06/14 13:17:23, 0.0
1060, 2017/06/14 13:17:33, 0.0
1061, 2017/06/14 13:17:43, 0.0
1062, 2017/06/14 13:17:53, 0.0
1063, 2017/06/14 13:18:03, 0.0
1064, 2017/06/14 13:18:13, 0.0
1065, 2017/06/14 13:18:23, 0.0
1066, 2017/06/14 13:18:33, 0.0
1067, 2017/06/14 13:18:43, 0.0
1068, 2017/06/14 13:18:53, 0.0
1069, 2017/06/14 13:19:03, 0.0
1070, 2017/06/14 13:19:13, 0.0
1071, 2017/06/14 13:19:23, 0.0
1072, 2017/06/14 13:19:33, 0.0
1073, 2017/06/14 13:19:43, 0.0
1074, 2017/06/14 13:19:53, 0.0
1075, 2017/06/14 13:20:03, 0.0
1076, 2017/06/14 13:20:13, 0.0
1077, 2017/06/14 13:20:23, 0.0
1078, 2017/06/14 13:20:33, 0.0
1079, 2017/06/14 13:20:43, 0.0
1080, 2017/06/14 13:20:53, 0.0
1081, 2017/06/14 13:21:03, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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1082, 2017/06/14 13:21:13, 0.0
1083, 2017/06/14 13:21:23, 0.0
1084, 2017/06/14 13:21:33, 0.0
1085, 2017/06/14 13:21:43, 0.0
1086, 2017/06/14 13:21:53, 0.0
1087, 2017/06/14 13:22:03, 0.0
1088, 2017/06/14 13:22:13, 0.0
1089, 2017/06/14 13:22:23, 0.0
1090, 2017/06/14 13:22:33, 0.0
1091, 2017/06/14 13:22:43, 0.0
1092, 2017/06/14 13:22:53, 0.0
1093, 2017/06/14 13:23:03, 0.0
1094, 2017/06/14 13:23:13, 0.0
1095, 2017/06/14 13:23:23, 0.0
1096, 2017/06/14 13:23:33, 0.0
1097, 2017/06/14 13:23:43, 0.0
1098, 2017/06/14 13:23:53, 0.0
1099, 2017/06/14 13:24:03, 0.0
1100, 2017/06/14 13:24:13, 0.0
1101, 2017/06/14 13:24:23, 0.0
1102, 2017/06/14 13:24:33, 0.0
1103, 2017/06/14 13:24:43, 0.0
1104, 2017/06/14 13:24:53, 0.0
1105, 2017/06/14 13:25:03, 0.0
1106, 2017/06/14 13:25:13, 0.0
1107, 2017/06/14 13:25:23, 0.0
1108, 2017/06/14 13:25:33, 0.0
1109, 2017/06/14 13:25:43, 0.0
1110, 2017/06/14 13:25:53, 0.0
1111, 2017/06/14 13:26:03, 0.0
1112, 2017/06/14 13:26:13, 0.0
1113, 2017/06/14 13:26:23, 0.0
1114, 2017/06/14 13:26:33, 0.0
1115, 2017/06/14 13:26:43, 0.0
1116, 2017/06/14 13:26:53, 0.0
1117, 2017/06/14 13:27:03, 0.0
1118, 2017/06/14 13:27:13, 0.0
1119, 2017/06/14 13:27:23, 0.0
1120, 2017/06/14 13:27:33, 0.0
1121, 2017/06/14 13:27:43, 0.0
1122, 2017/06/14 13:27:53, 0.0
1123, 2017/06/14 13:28:03, 0.0
1124, 2017/06/14 13:28:13, 0.0
1125, 2017/06/14 13:28:23, 0.0
1126, 2017/06/14 13:28:33, 0.0
1127, 2017/06/14 13:28:43, 0.0
1128, 2017/06/14 13:28:53, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

1129, 2017/06/14 13:29:03, 0.0
1130, 2017/06/14 13:29:13, 0.0
1131, 2017/06/14 13:29:23, 0.0
1132, 2017/06/14 13:29:33, 0.0
1133, 2017/06/14 13:29:43, 0.0
1134, 2017/06/14 13:29:53, 0.0
1135, 2017/06/14 13:30:03, 0.0
1136, 2017/06/14 13:30:13, 0.0
1137, 2017/06/14 13:30:23, 0.0
1138, 2017/06/14 13:30:33, 0.0
1139, 2017/06/14 13:30:43, 0.0
1140, 2017/06/14 13:30:53, 0.0
1141, 2017/06/14 13:31:03, 0.0
1142, 2017/06/14 13:31:13, 0.0
1143, 2017/06/14 13:31:23, 0.0
1144, 2017/06/14 13:31:33, 0.0
1145, 2017/06/14 13:31:43, 0.0
1146, 2017/06/14 13:31:53, 0.0
1147, 2017/06/14 13:32:03, 0.0
1148, 2017/06/14 13:32:13, 0.0
1149, 2017/06/14 13:32:23, 0.0
1150, 2017/06/14 13:32:33, 0.0
1151, 2017/06/14 13:32:43, 0.0
1152, 2017/06/14 13:32:53, 0.0
1153, 2017/06/14 13:33:03, 0.0
1154, 2017/06/14 13:33:13, 0.0
1155, 2017/06/14 13:33:23, 0.0
1156, 2017/06/14 13:33:33, 0.0
1157, 2017/06/14 13:33:43, 0.0
1158, 2017/06/14 13:33:53, 0.0
1159, 2017/06/14 13:34:03, 0.0
1160, 2017/06/14 13:34:13, 0.0
1161, 2017/06/14 13:34:23, 0.0
1162, 2017/06/14 13:34:33, 0.0
1163, 2017/06/14 13:34:43, 0.0
1164, 2017/06/14 13:34:53, 0.0
1165, 2017/06/14 13:35:03, 0.0
1166, 2017/06/14 13:35:13, 0.0
1167, 2017/06/14 13:35:23, 0.0
1168, 2017/06/14 13:35:33, 0.0
1169, 2017/06/14 13:35:43, 0.0
1170, 2017/06/14 13:35:53, 0.0
1171, 2017/06/14 13:36:03, 0.0
1172, 2017/06/14 13:36:13, 0.0
1173, 2017/06/14 13:36:23, 0.0
1174, 2017/06/14 13:36:33, 0.0
1175, 2017/06/14 13:36:43, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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1176, 2017/06/14 13:36:53, 0.0
1177, 2017/06/14 13:37:03, 0.0
1178, 2017/06/14 13:37:13, 0.0
1179, 2017/06/14 13:37:23, 0.0
1180, 2017/06/14 13:37:33, 0.0
1181, 2017/06/14 13:37:43, 0.0
1182, 2017/06/14 13:37:53, 0.0
1183, 2017/06/14 13:38:03, 0.0
1184, 2017/06/14 13:38:13, 0.0
1185, 2017/06/14 13:38:23, 0.0
1186, 2017/06/14 13:38:33, 0.0
1187, 2017/06/14 13:38:43, 0.0
1188, 2017/06/14 13:38:53, 0.0
1189, 2017/06/14 13:39:03, 0.0
1190, 2017/06/14 13:39:13, 0.0
1191, 2017/06/14 13:39:23, 0.0
1192, 2017/06/14 13:39:33, 0.0
1193, 2017/06/14 13:39:43, 0.0
1194, 2017/06/14 13:39:53, 0.0
1195, 2017/06/14 13:40:03, 0.0
1196, 2017/06/14 13:40:13, 0.0
1197, 2017/06/14 13:40:23, 0.0
1198, 2017/06/14 13:40:33, 0.0
1199, 2017/06/14 13:40:43, 0.0
1200, 2017/06/14 13:40:53, 0.0
1201, 2017/06/14 13:41:03, 0.0
1202, 2017/06/14 13:41:13, 0.0
1203, 2017/06/14 13:41:23, 0.0
1204, 2017/06/14 13:41:33, 0.0
1205, 2017/06/14 13:41:43, 0.0
1206, 2017/06/14 13:41:53, 0.0
1207, 2017/06/14 13:42:03, 0.0
1208, 2017/06/14 13:42:13, 0.0
1209, 2017/06/14 13:42:23, 0.0
1210, 2017/06/14 13:42:33, 0.0
1211, 2017/06/14 13:42:43, 0.0
1212, 2017/06/14 13:42:53, 0.0
1213, 2017/06/14 13:43:03, 0.0
1214, 2017/06/14 13:43:13, 0.0
1215, 2017/06/14 13:43:23, 0.0
1216, 2017/06/14 13:43:33, 0.0
1217, 2017/06/14 13:43:43, 0.0
1218, 2017/06/14 13:43:53, 0.0
1219, 2017/06/14 13:44:03, 0.0
1220, 2017/06/14 13:44:13, 0.0
1221, 2017/06/14 13:44:23, 0.0
1222, 2017/06/14 13:44:33, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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1223, 2017/06/14 13:44:43, 0.0
1224, 2017/06/14 13:44:53, 0.0
1225, 2017/06/14 13:45:03, 0.0
1226, 2017/06/14 13:45:13, 0.0
1227, 2017/06/14 13:45:23, 0.0
1228, 2017/06/14 13:45:33, 0.0
1229, 2017/06/14 13:45:43, 0.0
1230, 2017/06/14 13:45:53, 0.0
1231, 2017/06/14 13:46:03, 0.0
1232, 2017/06/14 13:46:13, 0.0
1233, 2017/06/14 13:46:23, 0.0
1234, 2017/06/14 13:46:33, 0.0
1235, 2017/06/14 13:46:43, 0.0
1236, 2017/06/14 13:46:53, 0.0
1237, 2017/06/14 13:47:03, 0.0
1238, 2017/06/14 13:47:13, 0.0
1239, 2017/06/14 13:47:23, 0.0
1240, 2017/06/14 13:47:33, 0.0
1241, 2017/06/14 13:47:43, 0.0
1242, 2017/06/14 13:47:53, 0.0
1243, 2017/06/14 13:48:03, 0.0
1244, 2017/06/14 13:48:13, 0.0
1245, 2017/06/14 13:48:23, 0.0
1246, 2017/06/14 13:48:33, 0.0
1247, 2017/06/14 13:48:43, 0.0
1248, 2017/06/14 13:48:53, 0.0
1249, 2017/06/14 13:49:03, 0.0
1250, 2017/06/14 13:49:13, 0.0
1251, 2017/06/14 13:49:23, 0.0
1252, 2017/06/14 13:49:33, 0.0
1253, 2017/06/14 13:49:43, 0.0
1254, 2017/06/14 13:49:53, 0.0
1255, 2017/06/14 13:50:03, 0.0
1256, 2017/06/14 13:50:13, 0.0
1257, 2017/06/14 13:50:23, 0.0
1258, 2017/06/14 13:50:33, 0.0
1259, 2017/06/14 13:50:43, 0.0
1260, 2017/06/14 13:50:53, 0.0
1261, 2017/06/14 13:51:03, 0.0
1262, 2017/06/14 13:51:13, 0.0
1263, 2017/06/14 13:51:23, 0.0
1264, 2017/06/14 13:51:33, 0.0
1265, 2017/06/14 13:51:43, 0.0
1266, 2017/06/14 13:51:53, 0.0
1267, 2017/06/14 13:52:03, 0.0
1268, 2017/06/14 13:52:13, 0.0
1269, 2017/06/14 13:52:23, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

1270, 2017/06/14 13:52:33, 0.0
1271, 2017/06/14 13:52:43, 0.0
1272, 2017/06/14 13:52:53, 0.0
1273, 2017/06/14 13:53:03, 0.0
1274, 2017/06/14 13:53:13, 0.0
1275, 2017/06/14 13:53:23, 0.0
1276, 2017/06/14 13:53:33, 0.0
1277, 2017/06/14 13:53:43, 0.0
1278, 2017/06/14 13:53:53, 0.0
1279, 2017/06/14 13:54:03, 0.0
1280, 2017/06/14 13:54:13, 0.0
1281, 2017/06/14 13:54:23, 0.0
1282, 2017/06/14 13:54:33, 0.0
1283, 2017/06/14 13:54:43, 0.0
1284, 2017/06/14 13:54:53, 0.0
1285, 2017/06/14 13:55:03, 0.0
1286, 2017/06/14 13:55:13, 0.0
1287, 2017/06/14 13:55:23, 0.0
1288, 2017/06/14 13:55:33, 0.0
1289, 2017/06/14 13:55:43, 0.0
1290, 2017/06/14 13:55:53, 0.0
1291, 2017/06/14 13:56:03, 0.0
1292, 2017/06/14 13:56:13, 0.0
1293, 2017/06/14 13:56:23, 0.0
1294, 2017/06/14 13:56:33, 0.0
1295, 2017/06/14 13:56:43, 0.0
1296, 2017/06/14 13:56:53, 0.0
1297, 2017/06/14 13:57:03, 0.0
1298, 2017/06/14 13:57:13, 0.0
1299, 2017/06/14 13:57:23, 0.0
1300, 2017/06/14 13:57:33, 0.0
1301, 2017/06/14 13:57:43, 0.0
1302, 2017/06/14 13:57:53, 0.0
1303, 2017/06/14 13:58:03, 0.0
1304, 2017/06/14 13:58:13, 0.0
1305, 2017/06/14 13:58:23, 0.0
1306, 2017/06/14 13:58:33, 0.0
1307, 2017/06/14 13:58:43, 0.0
1308, 2017/06/14 13:58:53, 0.0
1309, 2017/06/14 13:59:03, 0.0
1310, 2017/06/14 13:59:13, 0.0
1311, 2017/06/14 13:59:23, 0.0
1312, 2017/06/14 13:59:33, 0.0
1313, 2017/06/14 13:59:43, 0.0
1314, 2017/06/14 13:59:53, 0.0
1315, 2017/06/14 14:00:03, 0.0
1316, 2017/06/14 14:00:13, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

1317, 2017/06/14 14:00:23, 0.0
1318, 2017/06/14 14:00:33, 0.0
1319, 2017/06/14 14:00:43, 0.0
1320, 2017/06/14 14:00:53, 0.0
1321, 2017/06/14 14:01:03, 0.0
1322, 2017/06/14 14:01:13, 0.0
1323, 2017/06/14 14:01:23, 0.0
1324, 2017/06/14 14:01:33, 0.0
1325, 2017/06/14 14:01:43, 0.0
1326, 2017/06/14 14:01:53, 0.0
1327, 2017/06/14 14:02:03, 0.0
1328, 2017/06/14 14:02:13, 0.0
1329, 2017/06/14 14:02:23, 0.0
1330, 2017/06/14 14:02:33, 0.0
1331, 2017/06/14 14:02:43, 0.0
1332, 2017/06/14 14:02:53, 0.0
1333, 2017/06/14 14:03:03, 0.0
1334, 2017/06/14 14:03:13, 0.0
1335, 2017/06/14 14:03:23, 0.0
1336, 2017/06/14 14:03:33, 0.0
1337, 2017/06/14 14:03:43, 0.0
1338, 2017/06/14 14:03:53, 0.0
1339, 2017/06/14 14:04:03, 0.0
1340, 2017/06/14 14:04:13, 0.0
1341, 2017/06/14 14:04:23, 0.0
1342, 2017/06/14 14:04:33, 0.0
1343, 2017/06/14 14:04:43, 0.0
1344, 2017/06/14 14:04:53, 0.0
1345, 2017/06/14 14:05:03, 0.0
1346, 2017/06/14 14:05:13, 0.0
1347, 2017/06/14 14:05:23, 0.0
1348, 2017/06/14 14:05:33, 0.0
1349, 2017/06/14 14:05:43, 0.0
1350, 2017/06/14 14:05:53, 0.0
1351, 2017/06/14 14:06:03, 0.0
1352, 2017/06/14 14:06:13, 0.0
1353, 2017/06/14 14:06:23, 0.0
1354, 2017/06/14 14:06:33, 0.0
1355, 2017/06/14 14:06:43, 0.0
1356, 2017/06/14 14:06:53, 0.0
1357, 2017/06/14 14:07:03, 0.0
1358, 2017/06/14 14:07:13, 0.0
1359, 2017/06/14 14:07:23, 0.0
1360, 2017/06/14 14:07:33, 0.0
1361, 2017/06/14 14:07:43, 0.0
1362, 2017/06/14 14:07:53, 0.0
1363, 2017/06/14 14:08:03, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

1364, 2017/06/14 14:08:13, 0.0
1365, 2017/06/14 14:08:23, 0.0
1366, 2017/06/14 14:08:33, 0.0
1367, 2017/06/14 14:08:43, 0.0
1368, 2017/06/14 14:08:53, 0.0
1369, 2017/06/14 14:09:03, 0.0
1370, 2017/06/14 14:09:13, 0.0
1371, 2017/06/14 14:09:23, 0.0
1372, 2017/06/14 14:09:33, 0.0
1373, 2017/06/14 14:09:43, 0.0
1374, 2017/06/14 14:09:53, 0.0
1375, 2017/06/14 14:10:03, 0.0
1376, 2017/06/14 14:10:13, 0.0
1377, 2017/06/14 14:10:23, 0.0
1378, 2017/06/14 14:10:33, 0.0
1379, 2017/06/14 14:10:43, 0.0
1380, 2017/06/14 14:10:53, 0.0
1381, 2017/06/14 14:11:03, 0.0
1382, 2017/06/14 14:11:13, 0.0
1383, 2017/06/14 14:11:23, 0.0
1384, 2017/06/14 14:11:33, 0.0
1385, 2017/06/14 14:11:43, 0.0
1386, 2017/06/14 14:11:53, 0.0
1387, 2017/06/14 14:12:03, 0.0
1388, 2017/06/14 14:12:13, 0.0
1389, 2017/06/14 14:12:23, 0.0
1390, 2017/06/14 14:12:33, 0.0
1391, 2017/06/14 14:12:43, 0.0
1392, 2017/06/14 14:12:53, 0.0
1393, 2017/06/14 14:13:03, 0.0
1394, 2017/06/14 14:13:13, 0.0
1395, 2017/06/14 14:13:23, 0.0
1396, 2017/06/14 14:13:33, 0.0
1397, 2017/06/14 14:13:43, 0.0
1398, 2017/06/14 14:13:53, 0.0
1399, 2017/06/14 14:14:03, 0.0
1400, 2017/06/14 14:14:13, 0.0
1401, 2017/06/14 14:14:23, 0.0
1402, 2017/06/14 14:14:33, 0.0
1403, 2017/06/14 14:14:43, 0.0
1404, 2017/06/14 14:14:53, 0.0
1405, 2017/06/14 14:15:03, 0.0
1406, 2017/06/14 14:15:13, 0.0
1407, 2017/06/14 14:15:23, 0.0
1408, 2017/06/14 14:15:33, 0.0
1409, 2017/06/14 14:15:43, 0.0
1410, 2017/06/14 14:15:53, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

1411, 2017/06/14 14:16:03, 0.0
1412, 2017/06/14 14:16:13, 0.0
1413, 2017/06/14 14:16:23, 0.0
1414, 2017/06/14 14:16:33, 0.0
1415, 2017/06/14 14:16:43, 0.0
1416, 2017/06/14 14:16:53, 0.0
1417, 2017/06/14 14:17:03, 0.0
1418, 2017/06/14 14:17:13, 0.0
1419, 2017/06/14 14:17:23, 0.0
1420, 2017/06/14 14:17:33, 0.0
1421, 2017/06/14 14:17:43, 0.0
1422, 2017/06/14 14:17:53, 0.0
1423, 2017/06/14 14:18:03, 0.0
1424, 2017/06/14 14:18:13, 0.0
1425, 2017/06/14 14:18:23, 0.0
1426, 2017/06/14 14:18:33, 0.0
1427, 2017/06/14 14:18:43, 0.0
1428, 2017/06/14 14:18:53, 0.0
1429, 2017/06/14 14:19:03, 0.0
1430, 2017/06/14 14:19:13, 0.0
1431, 2017/06/14 14:19:23, 0.0
1432, 2017/06/14 14:19:33, 0.0
1433, 2017/06/14 14:19:43, 0.0
1434, 2017/06/14 14:19:53, 0.0
1435, 2017/06/14 14:20:03, 0.0
1436, 2017/06/14 14:20:13, 0.0
1437, 2017/06/14 14:20:23, 0.0
1438, 2017/06/14 14:20:33, 0.0
1439, 2017/06/14 14:20:43, 0.0
1440, 2017/06/14 14:20:53, 0.0
1441, 2017/06/14 14:21:03, 0.0
1442, 2017/06/14 14:21:13, 0.0
1443, 2017/06/14 14:21:23, 0.0
1444, 2017/06/14 14:21:33, 0.0
1445, 2017/06/14 14:21:43, 0.0
1446, 2017/06/14 14:21:53, 0.0
1447, 2017/06/14 14:22:03, 0.0
1448, 2017/06/14 14:22:13, 0.0
1449, 2017/06/14 14:22:23, 0.0
1450, 2017/06/14 14:22:33, 0.0
1451, 2017/06/14 14:22:43, 0.0
1452, 2017/06/14 14:22:53, 0.0
1453, 2017/06/14 14:23:03, 0.0
1454, 2017/06/14 14:23:13, 0.0
1455, 2017/06/14 14:23:23, 0.0
1456, 2017/06/14 14:23:33, 0.0
1457, 2017/06/14 14:23:43, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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1458, 2017/06/14 14:23:53, 0.0
1459, 2017/06/14 14:24:03, 0.0
1460, 2017/06/14 14:24:13, 0.0
1461, 2017/06/14 14:24:23, 0.0
1462, 2017/06/14 14:24:33, 0.0
1463, 2017/06/14 14:24:43, 0.0
1464, 2017/06/14 14:24:53, 0.0
1465, 2017/06/14 14:25:03, 0.0
1466, 2017/06/14 14:25:13, 0.0
1467, 2017/06/14 14:25:23, 0.0
1468, 2017/06/14 14:25:33, 0.0
1469, 2017/06/14 14:25:43, 0.0
1470, 2017/06/14 14:25:53, 0.0
1471, 2017/06/14 14:26:03, 0.0
1472, 2017/06/14 14:26:13, 0.0
1473, 2017/06/14 14:26:23, 0.0
1474, 2017/06/14 14:26:33, 0.0
1475, 2017/06/14 14:26:43, 0.0
1476, 2017/06/14 14:26:53, 0.0
1477, 2017/06/14 14:27:03, 0.0
1478, 2017/06/14 14:27:13, 0.0
1479, 2017/06/14 14:27:23, 0.0
1480, 2017/06/14 14:27:33, 0.0
1481, 2017/06/14 14:27:43, 0.0
1482, 2017/06/14 14:27:53, 0.0
1483, 2017/06/14 14:28:03, 0.0
1484, 2017/06/14 14:28:13, 0.0
1485, 2017/06/14 14:28:23, 0.0
1486, 2017/06/14 14:28:33, 0.0
1487, 2017/06/14 14:28:43, 0.0
1488, 2017/06/14 14:28:53, 0.0
1489, 2017/06/14 14:29:03, 0.0
1490, 2017/06/14 14:29:13, 0.0
1491, 2017/06/14 14:29:23, 0.0
1492, 2017/06/14 14:29:33, 0.0
1493, 2017/06/14 14:29:43, 0.0
1494, 2017/06/14 14:29:53, 0.0
1495, 2017/06/14 14:30:03, 0.0
1496, 2017/06/14 14:30:13, 0.0
1497, 2017/06/14 14:30:23, 0.0
1498, 2017/06/14 14:30:33, 0.0
1499, 2017/06/14 14:30:43, 0.0
1500, 2017/06/14 14:30:53, 0.0
1501, 2017/06/14 14:31:03, 0.0
1502, 2017/06/14 14:31:13, 0.0
1503, 2017/06/14 14:31:23, 0.0
1504, 2017/06/14 14:31:33, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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1505, 2017/06/14 14:31:43, 0.0
1506, 2017/06/14 14:31:53, 0.0
1507, 2017/06/14 14:32:03, 0.0
1508, 2017/06/14 14:32:13, 0.0
1509, 2017/06/14 14:32:23, 0.0
1510, 2017/06/14 14:32:33, 0.0
1511, 2017/06/14 14:32:43, 0.0
1512, 2017/06/14 14:32:53, 0.0
1513, 2017/06/14 14:33:03, 0.0
1514, 2017/06/14 14:33:13, 0.0
1515, 2017/06/14 14:33:23, 0.0
1516, 2017/06/14 14:33:33, 0.0
1517, 2017/06/14 14:33:43, 0.0
1518, 2017/06/14 14:33:53, 0.0
1519, 2017/06/14 14:34:03, 0.0
1520, 2017/06/14 14:34:13, 0.0
1521, 2017/06/14 14:34:23, 0.0
1522, 2017/06/14 14:34:33, 0.0
1523, 2017/06/14 14:34:43, 0.0
1524, 2017/06/14 14:34:53, 0.0
1525, 2017/06/14 14:35:03, 0.0
1526, 2017/06/14 14:35:13, 0.0
1527, 2017/06/14 14:35:23, 0.0
1528, 2017/06/14 14:35:33, 0.0
1529, 2017/06/14 14:35:43, 0.0
1530, 2017/06/14 14:35:53, 0.0
1531, 2017/06/14 14:36:03, 0.0
1532, 2017/06/14 14:36:13, 0.0
1533, 2017/06/14 14:36:23, 0.0
1534, 2017/06/14 14:36:33, 0.0
1535, 2017/06/14 14:36:43, 0.0
1536, 2017/06/14 14:36:53, 0.0
1537, 2017/06/14 14:37:03, 0.0
1538, 2017/06/14 14:37:13, 0.0
1539, 2017/06/14 14:37:23, 0.0
1540, 2017/06/14 14:37:33, 0.0
1541, 2017/06/14 14:37:43, 0.0
1542, 2017/06/14 14:37:53, 0.0
1543, 2017/06/14 14:38:03, 0.0
1544, 2017/06/14 14:38:13, 0.0
1545, 2017/06/14 14:38:23, 0.0
1546, 2017/06/14 14:38:33, 0.0
1547, 2017/06/14 14:38:43, 0.0
1548, 2017/06/14 14:38:53, 0.0
1549, 2017/06/14 14:39:03, 0.0
1550, 2017/06/14 14:39:13, 0.0
1551, 2017/06/14 14:39:23, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

1552, 2017/06/14 14:39:33, 0.0
1553, 2017/06/14 14:39:43, 0.0
1554, 2017/06/14 14:39:53, 0.0
1555, 2017/06/14 14:40:03, 0.0
1556, 2017/06/14 14:40:13, 0.0
1557, 2017/06/14 14:40:23, 0.0
1558, 2017/06/14 14:40:33, 0.0
1559, 2017/06/14 14:40:43, 0.0
1560, 2017/06/14 14:40:53, 0.0
1561, 2017/06/14 14:41:03, 0.0
1562, 2017/06/14 14:41:13, 0.0
1563, 2017/06/14 14:41:23, 0.0
1564, 2017/06/14 14:41:33, 0.0
1565, 2017/06/14 14:41:43, 0.0
1566, 2017/06/14 14:41:53, 0.0
1567, 2017/06/14 14:42:03, 0.0
1568, 2017/06/14 14:42:13, 0.0
1569, 2017/06/14 14:42:23, 0.0
1570, 2017/06/14 14:42:33, 0.0
1571, 2017/06/14 14:42:43, 0.0
1572, 2017/06/14 14:42:53, 0.0
1573, 2017/06/14 14:43:03, 0.0
1574, 2017/06/14 14:43:13, 0.0
1575, 2017/06/14 14:43:23, 0.0
1576, 2017/06/14 14:43:33, 0.0
1577, 2017/06/14 14:43:43, 0.0
1578, 2017/06/14 14:43:53, 0.0
1579, 2017/06/14 14:44:03, 0.0
1580, 2017/06/14 14:44:13, 0.0
1581, 2017/06/14 14:44:23, 0.0
1582, 2017/06/14 14:44:33, 0.0
1583, 2017/06/14 14:44:43, 0.0
1584, 2017/06/14 14:44:53, 0.0
1585, 2017/06/14 14:45:03, 0.0
1586, 2017/06/14 14:45:13, 0.0
1587, 2017/06/14 14:45:23, 0.0
1588, 2017/06/14 14:45:33, 0.0
1589, 2017/06/14 14:45:43, 0.0
1590, 2017/06/14 14:45:53, 0.0
1591, 2017/06/14 14:46:03, 0.0
1592, 2017/06/14 14:46:13, 0.0
1593, 2017/06/14 14:46:23, 0.0
1594, 2017/06/14 14:46:33, 0.0
1595, 2017/06/14 14:46:43, 0.0
1596, 2017/06/14 14:46:53, 0.0
1597, 2017/06/14 14:47:03, 0.0
1598, 2017/06/14 14:47:13, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
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1599, 2017/06/14 14:47:23, 0.0
1600, 2017/06/14 14:47:33, 0.0
1601, 2017/06/14 14:47:43, 0.0
1602, 2017/06/14 14:47:53, 0.0
1603, 2017/06/14 14:48:03, 0.0
1604, 2017/06/14 14:48:13, 0.0
1605, 2017/06/14 14:48:23, 0.0
1606, 2017/06/14 14:48:33, 0.0
1607, 2017/06/14 14:48:43, 0.0
1608, 2017/06/14 14:48:53, 0.0
1609, 2017/06/14 14:49:03, 0.0
1610, 2017/06/14 14:49:13, 0.0
1611, 2017/06/14 14:49:23, 0.0
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1617, 2017/06/14 14:50:23, 0.0
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1623, 2017/06/14 14:51:23, 0.0
1624, 2017/06/14 14:51:33, 0.0
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1643, 2017/06/14 14:54:43, 0.0
1644, 2017/06/14 14:54:53, 0.0
1645, 2017/06/14 14:55:03, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

1646, 2017/06/14 14:55:13, 0.0
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1658, 2017/06/14 14:57:13, 0.0
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1691, 2017/06/14 15:02:43, 0.0
1692, 2017/06/14 15:02:53, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

1693, 2017/06/14 15:03:03, 0.0
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1696, 2017/06/14 15:03:33, 0.0
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1719, 2017/06/14 15:07:23, 0.0
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1737, 2017/06/14 15:10:23, 0.0
1738, 2017/06/14 15:10:33, 0.0
1739, 2017/06/14 15:10:43, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

1740, 2017/06/14 15:10:53, 0.0
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1751, 2017/06/14 15:12:43, 0.0
1752, 2017/06/14 15:12:53, 0.0
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1754, 2017/06/14 15:13:13, 0.0
1755, 2017/06/14 15:13:23, 0.0
1756, 2017/06/14 15:13:33, 0.0
1757, 2017/06/14 15:13:43, 0.0
1758, 2017/06/14 15:13:53, 0.0
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1760, 2017/06/14 15:14:13, 0.0
1761, 2017/06/14 15:14:23, 0.0
1762, 2017/06/14 15:14:33, 0.0
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1769, 2017/06/14 15:15:43, 0.0
1770, 2017/06/14 15:15:53, 0.0
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1772, 2017/06/14 15:16:13, 0.0
1773, 2017/06/14 15:16:23, 0.0
1774, 2017/06/14 15:16:33, 0.0
1775, 2017/06/14 15:16:43, 0.0
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1785, 2017/06/14 15:18:23, 0.0
1786, 2017/06/14 15:18:33, 0.0

Community Air Monitoring Data
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Activity: Down-wind air monitoring during drilling operations
Geologist: M. Glinski, AECOM
Instrument: MiniRAE 3000
==========

1787, 2017/06/14 15:18:43, 0.0
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1790, 2017/06/14 15:19:13, 0.0
1791, 2017/06/14 15:19:23, 0.0
1792, 2017/06/14 15:19:33, 0.0
1793, 2017/06/14 15:19:43, 0.0
1794, 2017/06/14 15:19:53, 0.0
1795, 2017/06/14 15:20:03, 0.0
1796, 2017/06/14 15:20:13, 0.0
1797, 2017/06/14 15:20:23, 0.0
1798, 2017/06/14 15:20:33, 0.0
1799, 2017/06/14 15:20:43, 0.0
1800, 2017/06/14 15:20:53, 0.0
1801, 2017/06/14 15:21:03, 0.0
1802, 2017/06/14 15:21:13, 0.0
1803, 2017/06/14 15:21:23, 0.0
1804, 2017/06/14 15:21:33, 0.0
1805, 2017/06/14 15:21:43, 0.0
1806, 2017/06/14 15:21:53, 0.0
1807, 2017/06/14 15:22:03, 0.0
1808, 2017/06/14 15:22:13, 0.0
1809, 2017/06/14 15:22:23, 0.0
1810, 2017/06/14 15:22:33, 0.0
1811, 2017/06/14 15:22:43, 0.0
1812, 2017/06/14 15:22:53, 0.0
1813, 2017/06/14 15:23:03, 0.0
1814, 2017/06/14 15:23:13, 0.0
Peak, , 0.1
Min, , 0.0
Average, , 0.0

Appendix D

Land Surveying Report

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Riverhead, New York 11901

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Facsimile 631-727-0144
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HOWARD W. YOUNG, Land Surveyor
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DOUGLAS E. ADAMS, Professional Engineer

ROBERT C. TAST, Architect
ROBERT STROMSKI, Architect

July 10, 2017

AECOM
Attn: Amanda Martin
250 Apollo Drive
Chelmsford, MA 01824
Martin, Amanda
Amanda.Martin@aecom.com

Survey Activity Report

Re: **Camp Hero - Remedial Investigation**
at Montauk, T/O Easthampton, New York
Prime Contract #: W913DR-13-D-0016
Project #: 60443903

Dear Ms. Martin,

The following is a summary of survey activities undertaken by us for the above referenced project;

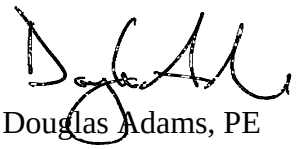
- Survey activities took place on June 19-22, 2017.
- Our Survey crew (Crew Chief Brian Gillis, and Rodperson Jon Darch) met with Amanda Martin for site on-boarding activities and representatives of AECOM (Andrew Borden 6/19 & 6/20, and Mckenzie Miller 6/21 & 6/22) each morning to review the day's agenda.
- Each morning included a safety briefing.
- AECOM representatives accompanied and directed the field crew each day.
- Each day ended with a debriefing with Amanda and the other representatives of AECOM.
- Equipment utilized;
    - GPS - Trimble R8 and TDS Ranger collector - utilized for overall control and a portion of collected points. Our RTK GPS connects, in real time, to New York Precision's RTK Base Network. This is a spatial reference network of continuously

operating Global Navigation Satellite System (GNSS) reference stations encompassing Long Island, the Five Boroughs & Parts of Westchester into Connecticut. This Network is used for RTK (real time) GPS. This equipment, and the procedures we utilize, achieve sub-centimeter positioning for surveying applications or sub-meter positioning for GIS mapping applications. The locations of all Base Stations are determined using NOAA's Online Positioning User Service (OPUS). This automatically processes raw GPS data using standard NGS data and models to compute an accurate position. All base stations are constantly monitored for movement and positional accuracy.

  - Nikon NIVO 5M Prismless Total Station - utilized in locations of heavy tree and brush cover for a portion of collected points.
- NYS Plane Coordinate System, Long Island Zone 3104:
  - Horizontal - North American Datum (NAD 83)
  - Vertical - North American Vertical Datum (NAVD 88)

Please contact our office if you have any questions or wish discuss the project in further detail.

Respectfully Submitted,



Douglas Adams, PE

/dea

cc: file

Point No.	Northing	Easting	Elevation	Location ID	Elevation Type	Surveyor Description
10611	333285.0990	1570225.5290	-	203-A	-	203-A
10600	333203.6130	1570283.7770	-	203-AA	-	203-AA
10560	333283.3680	1570382.2940	-	203-AAA	-	203-AAA
10584	333311.0430	1570259.5390	-	203-B	-	203-B
10597	333190.9590	1570268.3120	-	203-BB	-	203-BB
10619	333374.5390	1570317.2560	-	203-BBB	-	203-BBB
10643	333301.1270	1570239.6980	-	203-C	-	203-C
10585	333319.0300	1570261.5360	-	203-CC	-	203-CC
10618	333368.2480	1570337.3250	-	203-CCC	-	203-CCC
10614	333292.3860	1570224.9600	-	203-D	-	203-D
10622	333305.5200	1570275.8880	-	203-DD	-	203-DD
10617	333352.0340	1570342.6550	-	203-DDD	-	203-DDD
10621	333283.7230	1570293.5060	-	203-EE	-	203-EE
10620	333261.3630	1570315.2510	-	203-FF	-	203-FF
10583	333298.0030	1570263.1230	-	203-G	-	203-G
10587	333288.1310	1570253.0370	-	203-H	-	203-H
10577	333329.9760	1570271.8930	-	203-HH	-	203-HH
10609	333277.5490	1570242.4760	-	203-I	-	203-I
10608	333267.0920	1570232.4580	-	203-J	-	203-J
10580	333291.9940	1570303.0950	-	203-JJ	-	203-JJ
10607	333259.4230	1570225.9270	-	203-K	-	203-K
10568	333269.0490	1570327.6160	-	203-KK	-	203-KK
10582	333275.4240	1570282.5990	-	203-L	-	203-L
10589	333275.7230	1570282.4740	-	203-L	-	203-L
10623	333263.3600	1570270.7920	-	203-M	-	203-M
10578	333322.2370	1570298.7390	-	203-MM	-	203-MM
10570	333298.3180	1570312.1750	-	203-NN	-	203-NN
10592	333253.7820	1570271.4240	-	203-O	-	203-O
10569	333280.5630	1570338.9060	-	203-OO	-	203-OO
10595	333245.7380	1570249.3480	-	203-Q	-	203-Q
10562	333231.1870	1570382.3820	-	203-QQ	-	203-QQ
10642	333231.0640	1570240.5420	-	203-R	-	203-R
10593	333256.6510	1570258.2860	-	203-SB06	-	203-SB6
10590	333253.6340	1570279.3410	-	203-SB07	-	203-SB7
10612	333281.3700	1570221.9970	-	203-SB09	-	203-SB09
10610	333281.1750	1570236.4510	-	203-SB10	-	203-SB10
10588	333275.9240	1570276.2920	-	203-SB12	-	203-SB12
10581	333276.4600	1570296.0040	-	203-SB13	-	203-SB13
10586	333303.2610	1570249.9430	-	203-SB14	-	203-SB14
10579	333320.7540	1570304.7990	-	203-SB19	-	203-SB19
10576	333339.6230	1570277.2640	-	203-SB20	-	203-SB20
10575	333344.3440	1570294.2360	-	203-SB21	-	203-SB21
10598	333173.8620	1570284.5200	-	203-SB22	-	203-SB22
10564	333170.5250	1570327.5560	-	203-SB23	-	203-SB23
10603	333170.4350	1570327.3980	-	203-SB23	-	203-SB23
10599	333199.0680	1570290.1720	-	203-SB25	-	203-SB25
10563	333201.0380	1570344.5420	-	203-SB26	-	203-SB26
10604	333200.7500	1570343.8700	-	203-SB26	-	203-SB26
10606	333252.3620	1570223.0960	-	203-SB27	-	203-SB27
10616	333252.5660	1570222.6820	-	203-SB27	-	203-SB27
10594	333254.3190	1570251.3630	-	203-SB28	-	203-SB28
10567	333239.4840	1570320.9800	-	203-SB30	-	203-SB30
10615	333268.7990	1570220.3060	-	203-SB32	-	203-SB32
10557	333266.1190	1570346.5560	-	203-SB33	-	203-SB33
10613	333295.0790	1570224.3240	-	203-SB34	-	203-SB34
10572	333332.4860	1570317.6660	-	203-SS	-	203-SS
10571	333314.2990	1570325.4260	-	203-TT	-	203-TT
10558	333290.7930	1570350.6850	-	203-UU	-	203-UU
10601	333218.7010	1570272.8250	-	203-V	-	203-V
10561	333268.2990	1570368.7710	-	203-VV	-	203-VV
10596	333215.8510	1570253.6780	-	203-W	-	203-W

Point No.	Northing	Easting	Elevation	Location ID	Elevation Type	Surveyor Description
10574	333353.9570	1570319.7880	-	203-WW	-	203-WW
10566	333222.1070	1570331.0350	-	203-X	-	203-X
10573	333345.0900	1570326.2940	-	203-XX	-	203-XX
10565	333207.1770	1570318.3630	-	203-Y	-	203-Y
10605	333207.3120	1570318.3640	-	203-Y	-	203-Y
10624	333203.5740	1570293.2700	-	203-Z	-	203-Z
10559	333298.7080	1570364.2570	-	203-ZZ	-	203-ZZ
10085	335505.8506	1569044.6588	38.915731	CH-MW001	Ground Surface	CHMW 001 CONC
10086	335505.8841	1569043.8973	41.519969	CH-MW001	Top of Casing	CHMW 001 PIPE
10082	335053.9154	1569043.5797	42.35416	CH-MW002	Top of Casing	CHMW 002 PIPE
10083	335054.0854	1569043.8956	38.748941	CH-MW002	Ground Surface	CHMW 002 CONC
10080	334838.9941	1569050.0548	34.385637	CH-MW003	Ground Surface	CHMW 003 CONC
10081	334839.1365	1569049.2599	37.301974	CH-MW003	Top of Casing	CHMW 003 PIPE
10074	334385.2910	1569185.1210	54.399	CH-MW004	Ground Surface	CHMW 004 CONC
10075	334386.0470	1569184.9310	57.016	CH-MW004	Top of Casing	CHMW 004 PIPE
10190	336287.5160	1571273.3830	66.998	CH-MW005	Ground Surface	CHMW 005 CONC
10191	336288.1640	1571273.2370	70.172	CH-MW005	Top of Casing	CHMW 005 PIPE
10194	336021.3429	1571547.0347	60.927911	CH-MW006	Ground Surface	CHMW 006 CONC
10195	336020.8604	1571546.9038	64.498562	CH-MW006	Top of Casing	CHMW 006 PIPE
10489	335781.6741	1573852.3208	60.781792	CH-MW007	Ground Surface	CHMW 007 CONC
10490	335780.9781	1573852.7363	60.552999	CH-MW007	Top of Casing	CHMW 007 PIPE
10235	335890.9848	1571897.6597	59.195919	CH-MW008	Top of Casing	CHMW 008 PIPE
10236	335891.2974	1571897.7787	56.468691	CH-MW008	Ground Surface	CHMW 008 CONC
10520	335088.4693	1572872.1088	55.436063	CH-MW009	Ground Surface	CHMW 009 CONC
10521	335089.2575	1572871.9687	58.538392	CH-MW009	Top of Casing	CHMW 009 PIPE
10130	335687.6700	1571269.6930	64.762	CH-MW010	Ground Surface	CHMW 010 CONC
10131	335687.0310	1571270.0600	67.412	CH-MW010	Top of Casing	CHMW 010 PIPE
10128	333753.9310	1570930.0060	82.403	CH-MW011	Ground Surface	CHMW 011 CONC
10129	333753.5450	1570929.4500	82.064	CH-MW011	Top of Casing	CHMW 011 PIPE
10135	335301.1115	1571415.7119	70.152218	CH-MW012	Ground Surface	CHMW 012 CONC
10136	335301.8937	1571415.3430	72.803473	CH-MW012	Top of Casing	CHMW 012 PIPE
10066	334759.0440	1569949.4090	58.005	CH-MW013	Ground Surface	CHMW 013 CONC
10069	334759.7422	1569949.4589	60.845	CH-MW013	Top of Casing	CHMW 013 PIPE
10067	334249.1700	1570186.3160	61.319	CH-MW014	Ground Surface	CHMW 014 CONC
10068	334248.7230	1570186.4160	60.938	CH-MW014	Top of Casing	CHMW 014 PIPE
10070	333545.2300	1570005.0040	73.968	CH-MW015	Ground Surface	CHMW 015 CONC
10071	333545.9540	1570005.0510	73.621	CH-MW015	Top of Casing	CHMW 015 PIPE
10627	333368.4298	1570265.0379	80.715276	CH-MW016	Ground Surface	CHMW 016 CONC
10628	333368.2354	1570264.1829	83.471327	CH-MW016	Top of Casing	CHMW 016 PIPE
10629	333325.1999	1570232.0397	84.31867	CH-MW017	Top of Casing	CHMW 017 PIPE
10630	333324.9643	1570231.4191	81.382739	CH-MW017	Ground Surface	CHMW 017 CONC
10108	333285.0414	1570126.6787	61.437597	CH-MW018	Top of Casing	CHMW 018 PIPE
10109	333284.6690	1570126.3212	57.880594	CH-MW018	Ground Surface	CHMW 018 CONC
10631	333218.2442	1570236.6952	88.625999	CH-MW019	Top of Casing	CHMW 019 PIPE
10632	333217.8161	1570237.1661	86.059158	CH-MW019	Ground Surface	CHMW 019 CONC
10637	333303.7282	1570356.6702	96.83595	CH-MW020	Top of Casing	CHMW 020 PIPE
10638	333303.1282	1570356.7123	93.711527	CH-MW020	Ground Surface	CHMW 020 CONC
10635	333245.7495	1570329.5545	92.242528	CH-MW021	Ground Surface	CHMW 021 CONC
10636	333245.5674	1570330.0570	95.011482	CH-MW021	Top of Casing	CHMW 021 PIPE
10640	333417.3539	1570302.9172	86.617176	CH-MW022	Ground Surface	CHMW 022 CONC
10641	333417.6093	1570303.4463	88.526819	CH-MW022	Top of Casing	CHMW 022 PIPE
10106	333370.5297	1570058.3018	58.064757	CH-MW023	Ground Surface	CHMW 023 CONC
10107	333371.0840	1570058.1385	60.672471	CH-MW023	Top of Casing	CHMW 023 PIPE
10644	333430.5740	1570159.0330	64.265	CH-MW024	Ground Surface	CHMW 024 CONC
10645	333430.7360	1570158.6100	66.854	CH-MW024	Top of Casing	CHMW 024 PIPE
10072	333494.3670	1570092.3830	71.624	CH-MW025	Ground Surface	CHMW 025 CONC
10073	333494.4930	1570093.1500	74.473	CH-MW025	Top of Casing	CHMW 025 PIPE
10001	334577.0120	1570062.5180	60.542	CH-MW026	Top of Casing	CHMW 026 PIPE
10002	334576.3740	1570062.1490	60.921	CH-MW026	Ground Surface	CHMW 026 CONC
10005	334683.5210	1570053.5130	58.257	CH-MW027	Top of Casing	CHMW 027 PIPE
10006	334683.7850	1570052.9510	58.619	CH-MW027	Ground Surface	CHMW 027 CONC

Point No.	Northing	Easting	Elevation	Location ID	Elevation Type	Surveyor Description
10003	334647.5730	1570091.9610	57.482	CH-MW028	Ground Surface	CHMW 028 CONC
10004	334648.0770	1570092.4550	57.272	CH-MW028	Top of Casing	CHMW 028 PIPE
10492	335299.9443	1571863.8182	52.263005	CH-MW029	Top of Casing	CHMW 029 PIPE
10493	335299.4182	1571864.4456	49.958151	CH-MW029	Ground Surface	CHMW 029 CONC
10346	335186.6839	1572153.1185	48.70004	CH-MW030	Top of Casing	CHMW 030 PIPE
10345	335186.5354	1572152.2395	49.212802	CH-MW030	Ground Surface	CHMW 030 CONC
10450	335162.1593	1572582.1659	44.089704	CH-MW031	Ground Surface	CHMW 031 CONC
10451	335162.7386	1572582.2020	46.177192	CH-MW031	Top of Casing	CHMW 031 PIPE
10290	334983.3518	1571877.5615	57.241494	CH-MW032	Ground Surface	CHMW 032 CONC
10291	334983.8488	1571877.0010	59.523329	CH-MW032	Top of Casing	CHMW 032 PIPE
10315	335094.1218	1572040.3441	50.665307	CH-MW033	Top of Casing	CHMW 033 PIPE
10316	335094.6394	1572040.3424	48.086317	CH-MW033	Ground Surface	CHMW 033 CONC
10447	334975.9497	1572442.6963	48.878255	CH-MW034	Ground Surface	CHMW 034 CONC
10448	334976.6077	1572441.9298	51.902619	CH-MW034	Top of Casing	CHMW 034 PIPE
10429	335018.2253	1572552.7446	42.03969	CH-MW035	Ground Surface	CHMW 035 CONC
10430	335017.7387	1572552.8375	44.887143	CH-MW035	Top of Casing	CHMW 035 PIPE
10351	333730.4780	1572712.8490	17.957	CH-MW036	Ground Surface	CHMW 036 CONC
10352	333731.0450	1572712.7690	17.621	CH-MW036	Top of Casing	CHMW 036 PIPE
10349	333765.9240	1572787.8600	18.806	CH-MW037	Ground Surface	CHMW 037 CONC
10350	333765.4940	1572787.7310	18.509	CH-MW037	Top of Casing	CHMW 037 PIPE
10213	335849.5821	1571322.0016	63.692865	CH-MW038	Ground Surface	CHMW 038 CONC
10214	335849.6006	1571322.7383	66.291094	CH-MW038	Top of Casing	CHMW 038 PIPE
10137	335245.6434	1571284.7600	68.169349	CH-MW039	Top of Casing	CHMW 039 PIPE
10138	335245.2337	1571285.2135	66.225631	CH-MW039	Ground Surface	CHMW 039 PIPE
10188	335365.0774	1571217.4904	71.488366	CH-MW040	Ground Surface	CHMW 040 CONC
10189	335364.5504	1571217.4312	74.856762	CH-MW040	Top of Casing	CHMW 040 PIPE
10033	334117.5234	1570083.1304	59.583323	CH-MW041	Ground Surface	CHMW 041 CONC
10034	334116.9629	1570083.3444	62.30676	CH-MW041	Top of Casing	CHMW 041 PIPE
10007	334148.2970	1570132.8810	61.096	CH-MW042	Ground Surface	CHMW 042 CONC
10008	334148.5060	1570133.6110	60.83	CH-MW042	Top of Casing	CHMW 042 PIPE
10287	334982.1406	1571822.1000	56.904526	CH-MW043	Ground Surface	CHMW 043 CONC
10288	334981.9173	1571822.2967	56.477759	CH-MW043	Top of Casing	CHMW 043 PIPE
10239	336136.2673	1571833.2048	49.920189	CH-SWSD001	Ground Surface	CH-SWSD 001
10240	336081.8441	1571966.7937	49.320952	CH-SWSD002	Ground Surface	CH-SWSD 002
10241	336013.4743	1572055.2910	47.880408	CH-SWSD003	Ground Surface	CH-SWSD 003
10526	334247.0870	1572054.2550	57.618	CH-SWSD004	Ground Surface	CH SWSD 004
10527	334236.6990	1572072.3010	38.282	CH-SWSD005	Ground Surface	CH SWSD 005
10528	334224.9200	1572107.6280	36.046	CH-SWSD006	Ground Surface	CH SWSD 006
10529	334198.1300	1572161.6030	30.574	CH-SWSD007	Ground Surface	CH SWSD 007
10540	333188.0390	1571190.8760	64.125	CH-SWSD008	Ground Surface	CH SWSD 008
10539	333215.8240	1571145.1660	61.705	CH-SWSD009	Ground Surface	CH SWSD 009
10522	334956.8590	1573066.9550	54.076	CH-SWSD010	Ground Surface	CH SWSD 010
10536	332710.5610	1570245.2330	51.161	CH-SWSD011	Ground Surface	CH SWSD 011
10534	332693.0450	1570228.7270	45.832	CH-SWSD012	Ground Surface	CH SWSD 012
10535	332682.6920	1570204.1130	50.687	CH-SWSD013	Ground Surface	CH SWSD 013
10537	334998.4040	1568820.6270	41.984	CH-SWSD014	Ground Surface	CH SWSD 014
10538	334976.6950	1568779.5530	75.023	CH-SWSD015	Ground Surface	CH SWSD 015
10424	335923.3010	1572458.2020	48.003	CH-SWSD016	Ground Surface	CH SWSD 016
10423	335867.2530	1572487.0720	53.542	CH-SWSD017	Ground Surface	CH SWSD 017
10422	335782.4880	1572493.2000	58.004	CH-SWSD018	Ground Surface	CH SWSD 018
10421	335385.8130	1572542.3070	40.13	CH-SWSD019	Ground Surface	CH SWSD 019
10420	335335.9100	1572567.7410	39.65	CH-SWSD020	Ground Surface	CH SWSD 020
10419	335325.2440	1572570.2330	39.68	CH-SWSD021	Ground Surface	CH SWSD 021
10425	335354.3660	1572593.3680	40.45	CH-SWSD022	Ground Surface	CH SWSD 022
10426	335384.1120	1572643.0660	47.26	CH-SWSD023	Ground Surface	CH SWSD 023
10525	334419.7810	1572639.9630	29.073	CH-SWSD024	Ground Surface	CH SWSD 024
10524	334432.7150	1572666.5880	36.887	CH-SWSD025	Ground Surface	CH SWSD 025
10523	334438.1010	1572682.3030	36.169	CH-SWSD026	Ground Surface	CH SWSD 026
10530	334893.8650	1570260.7100	54.515	CH-SWSD027	Ground Surface	CH SWSD 027
10531	334865.1200	1570274.3400	82.42	CH-SWSD028	Ground Surface	CH SWSD 028
10532	334832.2050	1570297.8650	64.55	CH-SWSD029	Ground Surface	CH SWSD 029

Point No.	Northing	Easting	Elevation	Location ID	Elevation Type	Surveyor Description
10533	334784.6400	1570321.0740	53.317	CH-SWSD030	Ground Surface	CH SWSD 030
10220	335944.0738	1571394.5362	50.778859	CH-SWSD031	Ground Surface	CH-SWSD 031
10221	335930.5001	1571425.2400	50.120737	CH-SWSD032	Ground Surface	CH-SWSD 032
10199	335913.1701	1571459.1874	50.419015	CH-SWSD033	Ground Surface	CH-SWSD 033
10200	335896.4824	1571490.5618	49.333412	CH-SWSD034	Ground Surface	CH-SWSD 034
10201	335876.7019	1571524.0271	48.414827	CH-SWSD035	Ground Surface	CH-SWSD 035
10202	335851.0891	1571568.7970	47.100104	CH-SWSD036	Ground Surface	CH-SWSD 036
10203	335820.1923	1571616.0241	46.803024	CH-SWSD037	Ground Surface	CH-SWSD 037
10204	335801.8541	1571641.7330	46.870687	CH-SWSD038	Ground Surface	CH-SWSD 038
10205	335780.1317	1571675.6215	46.523394	CH-SWSD039	Ground Surface	CH-SWSD 039
10206	335758.8461	1571699.8224	45.674671	CH-SWSD040	Ground Surface	CH-SWSD 040
10230	335727.4585	1571731.1374	44.986826	CH-SWSD041	Ground Surface	CH-SWSD 041
10231	335707.5273	1571756.0744	44.873375	CH-SWSD042	Ground Surface	CH-SWSD 042
10232	335692.5821	1571780.2875	44.11887	CH-SWSD043	Ground Surface	CH-SWSD 043
10233	335676.2584	1571823.1899	42.71171	CH-SWSD044	Ground Surface	CH-SWSD 044
10234	335658.1366	1571875.2697	41.825437	CH-SWSD045	Ground Surface	CH-SWSD 045
10503	335470.0326	1571837.6049	47.047021	CH-SWSD046	Ground Surface	CH SWSD 046
10502	335422.8284	1571844.2317	46.225437	CH-SWSD047	Ground Surface	CH SWSD 047
10501	335383.6082	1571866.7617	45.826118	CH-SWSD048	Ground Surface	CH SWSD 048
10500	335354.1108	1571879.8417	45.535553	CH-SWSD049	Ground Surface	CH SWSD 049
10499	335323.0134	1571914.2594	45.457973	CH-SWSD050	Ground Surface	CH SWSD 050
10498	335291.3288	1571949.3322	45.329942	CH-SWSD051	Ground Surface	CH SWSD 051
10497	335259.1975	1571974.9610	45.394752	CH-SWSD052	Ground Surface	CH SWSD 052
10496	335226.2579	1571997.9287	44.848963	CH-SWSD053	Ground Surface	CH SWSD 053
10495	335192.1295	1572019.8651	46.909494	CH-SWSD054	Ground Surface	CH SWSD 054
10494	335173.8001	1572029.5897	45.576725	CH-SWSD055	Ground Surface	CH SWSD 055
10317	335095.3507	1572095.0514	43.827023	CH-SWSD056	Ground Surface	CH-SWSD 056
10318	335082.5697	1572109.8875	43.878441	CH-SWSD057	Ground Surface	CH-SWSD 057
10319	335072.8255	1572123.7471	43.817549	CH-SWSD058	Ground Surface	CH-SWSD 058
10320	335060.8389	1572140.0495	43.734112	CH-SWSD059	Ground Surface	CH-SWSD 059
10321	335050.5196	1572153.0902	44.356442	CH-SWSD060	Ground Surface	CH-SWSD 060
10334	335041.5834	1572171.3188	42.931159	CH-SWSD061	Ground Surface	CH-SWSD 061
10333	335022.6696	1572208.6043	41.686919	CH-SWSD062	Ground Surface	CH-SWSD 062
10332	335010.3429	1572231.6337	42.142811	CH-SWSD063	Ground Surface	CH-SWSD 063
10331	334985.3020	1572261.1699	41.139947	CH-SWSD064	Ground Surface	CH-SWSD 064
10330	334965.2120	1572280.1196	40.782386	CH-SWSD065	Ground Surface	CH-SWSD 065
10309	335011.9101	1571988.8446	46.602943	CH-SWSD066	Ground Surface	CH-SWSD 066
10310	335002.5333	1571971.0106	46.920536	CH-SWSD067	Ground Surface	CH-SWSD 067
10311	334994.2096	1571956.7290	46.769714	CH-SWSD068	Ground Surface	CH-SWSD 068
10312	334984.3874	1571939.5483	46.682416	CH-SWSD069	Ground Surface	CH-SWSD 069
10313	334967.1149	1571915.1682	48.979422	CH-SWSD070	Ground Surface	CH-SWSD 070
10285	334882.7256	1571813.0163	51.994597	CH-SWSD071	Ground Surface	CH-SWSD 071
10284	334886.6063	1571777.7212	50.313539	CH-SWSD072	Ground Surface	CH-SWSD 072
10286	334878.2894	1571759.4582	50.63061	CH-SWSD073	Ground Surface	CH-SWSD 073
10283	334863.8385	1571735.1306	51.104426	CH-SWSD074	Ground Surface	CH-SWSD 074
10282	334852.8291	1571711.2386	51.425303	CH-SWSD075	Ground Surface	CH-SWSD 075
10281	334846.4349	1571691.4634	51.578709	CH-SWSD076	Ground Surface	CH-SWSD 076
10280	334852.6645	1571664.4187	51.727854	CH-SWSD077	Ground Surface	CH-SWSD 077
10279	334863.8562	1571647.0173	51.673548	CH-SWSD078	Ground Surface	CH-SWSD 078
10278	334911.5851	1571621.1767	52.635493	CH-SWSD079	Ground Surface	CH-SWSD 079
10418	335229.3210	1572601.6410	38.07	CH-SWSD080	Ground Surface	CH SWSD 080
10417	335203.7580	1572604.4170	37.91	CH-SWSD081	Ground Surface	CH SWSD 081
10416	335175.5530	1572604.4190	37.71	CH-SWSD082	Ground Surface	CH SWSD 082
10415	335151.8840	1572601.9690	37.49	CH-SWSD083	Ground Surface	CH SWSD 083
10414	335127.7000	1572599.3420	37.53	CH-SWSD084	Ground Surface	CH SWSD 084
10413	335043.5270	1572604.3180	36.36	CH-SWSD085	Ground Surface	CH SWSD 085
10412	335021.2060	1572610.1420	36.40	CH-SWSD086	Ground Surface	CH SWSD 086
10411	335011.5970	1572624.1590	36.24	CH-SWSD087	Ground Surface	CH SWSD 087
10410	334975.0510	1572634.7870	35.29	CH-SWSD088	Ground Surface	CH SWSD 088
10409	334943.8350	1572627.8000	34.78	CH-SWSD089	Ground Surface	CH SWSD 089
10408	334889.0470	1572613.8690	33.77	CH-SWSD090	Ground Surface	CH SWSD 090

Point No.	Northing	Easting	Elevation	Location ID	Elevation Type	Surveyor Description
10407	334858.5950	1572607.5290	33.32	CH-SWSD091	Ground Surface	CH SWSD 091
10406	334812.2480	1572594.6630	32.98	CH-SWSD092	Ground Surface	CH SWSD 092
10405	334759.3930	1572581.4610	31.70	CH-SWSD093	Ground Surface	CH SWSD 093
10404	334723.3330	1572572.4470	31.67	CH-SWSD094	Ground Surface	CH SWSD 094
10403	334708.0450	1572574.2170	31.82	CH-SWSD095	Ground Surface	CH SWSD 095
10028	334058.0311	1570090.9052	52.60458	CH-SWSD096	Ground Surface	CH-SWSD 096
10029	334074.2530	1570060.9684	52.645719	CH-SWSD097	Ground Surface	CH-SWSD 097
10030	334059.7519	1570039.3272	52.372062	CH-SWSD098	Ground Surface	CH-SWSD 098
10031	334041.2305	1570021.4862	51.693705	CH-SWSD099	Ground Surface	CH-SWSD 099
10032	334016.7721	1570003.5725	50.799221	CH-SWSD100	Ground Surface	CH-SWSD 100
10059	333989.8548	1569992.5263	50.2277	CH-SWSD101	Ground Surface	CH-SWSD 101
10058	333933.5070	1569998.8323	51.229406	CH-SWSD102	Ground Surface	CH-SWSD 102
10052	333874.3886	1569975.7790	51.796365	CH-SWSD103	Ground Surface	CH-SWSD 103
10057	333799.4409	1569977.7234	52.436962	CH-SWSD104	Ground Surface	CH-SWSD 104
10056	333772.6960	1569999.4319	52.866152	CH-SWSD105	Ground Surface	CH-SWSD 105
10061	334018.3111	1569973.4923	49.84795	CH-SWSD106	Ground Surface	CH-SWSD 106
10062	334041.5162	1569952.0961	49.890611	CH-SWSD107	Ground Surface	CH-SWSD 107
10063	334071.8369	1569916.1930	49.353005	CH-SWSD108	Ground Surface	CH-SWSD 108
10064	334095.0162	1569891.0012	48.670125	CH-SWSD109	Ground Surface	CH-SWSD 109
10065	334116.9638	1569865.4167	47.927643	CH-SWSD110	Ground Surface	CH-SWSD 110
10125	333269.4140	1569971.4050	52.091107	CH-SWSD111	Ground Surface	CH-SWSD 111
10392	333196.3650	1569786.5200	58.155	CH-SWSD112	Ground Surface	CH SWSD 112
10393	333185.8690	1569761.6090	55.51	CH-SWSD113	Ground Surface	CH SWSD 113
10394	333196.1310	1569718.9460	54.948	CH-SWSD114	Ground Surface	CH SWSD 114
10395	333192.8610	1569672.0750	63.869	CH-SWSD115	Ground Surface	CH SWSD 115
10385	333195.4820	1569546.7100	51.654	CH-SWSD116	Ground Surface	CH SWSD 116
10384	333183.3640	1569560.3720	43.415	CH-SWSD117	Ground Surface	CH SWSD 117
10383	333171.8200	1569570.6850	43.024	CH-SWSD118	Ground Surface	CH SWSD 118
10396	333170.0380	1569642.5470	58.984	CH-SWSD119	Ground Surface	CH SWSD 119
10397	333166.8910	1569621.2990	38.044	CH-SWSD120	Ground Surface	CH SWSD 120
10398	333134.8350	1569615.1410	43.023	CH-SWSD121	Ground Surface	CH SWSD 121
10399	333096.5480	1569588.1840	45.804	CH-SWSD122	Ground Surface	CH SWSD 122
10400	333044.0610	1569589.3280	40.09	CH-SWSD123	Ground Surface	CH SWSD 123
10401	332997.3120	1569586.3140	38.972	CH-SWSD124	Ground Surface	CH SWSD 124
10402	332955.8230	1569586.4590	32.919	CH-SWSD125	Ground Surface	CH SWSD 125
10156	335127.3964	1571277.0028	62.264436	CH-SWSD126	Ground Surface	CH-SWSD 126
10157	335136.7582	1571247.9842	62.135201	CH-SWSD127	Ground Surface	CH-SWSD 127
10158	335143.3597	1571222.8361	62.128576	CH-SWSD128	Ground Surface	CH-SWSD 128
10159	335149.0383	1571203.9147	62.019976	CH-SWSD129	Ground Surface	CH-SWSD 129
10160	335158.9383	1571179.9103	61.920208	CH-SWSD130	Ground Surface	CH-SWSD 130
10161	335164.3272	1571168.5471	61.999563	CH-SWSD131	Ground Surface	CH-SWSD 131
10162	335171.5343	1571154.5931	61.884056	CH-SWSD132	Ground Surface	CH-SWSD 132
10163	335180.8794	1571139.8682	61.960339	CH-SWSD133	Ground Surface	CH-SWSD 133
10180	335204.9764	1571112.2164	61.764104	CH-SWSD134	Ground Surface	CH-SWSD 134
10181	335211.4078	1571105.4289	61.584763	CH-SWSD135	Ground Surface	CH-SWSD 135
10182	335229.8232	1571086.1810	61.595876	CH-SWSD136	Ground Surface	CH-SWSD 136
10183	335250.5815	1571063.2234	61.459521	CH-SWSD137	Ground Surface	CH-SWSD 137
10184	335272.4636	1571041.4847	62.326498	CH-SWSD138	Ground Surface	CH-SWSD 138
10185	335288.9657	1571013.2161	62.270803	CH-SWSD139	Ground Surface	CH-SWSD 139
10186	335297.1490	1570986.7731	61.9279	CH-SWSD140	Ground Surface	CH-SWSD 140
10370	333884.5067	1572544.5706	15.026814	CH-SWSD141	Ground Surface	CH SWSD 141
10369	333873.9978	1572558.1147	15.293771	CH-SWSD142	Ground Surface	CH SWSD 142
10368	333860.4459	1572575.9732	14.969889	CH-SWSD143	Ground Surface	CH SWSD 143
10367	333849.6040	1572593.5998	14.387564	CH-SWSD144	Ground Surface	CH SWSD 144
10365	333837.1263	1572610.1553	14.844697	CH-SWSD145	Ground Surface	CH SWSD 145
10364	333829.0988	1572623.1024	15.155015	CH-SWSD146	Ground Surface	CH SWSD 146
10360	333798.9910	1572667.1360	14.249	CH-SWSD147	Ground Surface	CH SWSD 147
10359	333792.6350	1572679.1760	14.365	CH-SWSD148	Ground Surface	CH SWSD 148
10353	333780.0590	1572696.0920	14.676	CH-SWSD149	Ground Surface	CH SWSD 149
10355	333817.0970	1572719.8540	14.208	CH-SWSD150	Ground Surface	CH SWSD 150
10358	333866.0400	1572669.5570	13.903	CH-SWSD151	Ground Surface	CH SWSD 151

Point No.	Northing	Easting	Elevation	Location ID	Elevation Type	Surveyor Description
10357	333863.9930	1572688.2550	13.86	CH-SWSD152	Ground Surface	CH SWSD 152
10356	333836.4520	1572683.7590	13.775	CH-SWSD153	Ground Surface	CH SWSD 153
10354	333812.3230	1572695.7390	13.491	CH-SWSD154	Ground Surface	CH SWSD 154
10547	333267.3420	1570204.1860	-	DU01-SO01	-	DUO1 - SO01
10546	333293.0690	1570229.3960	-	DU01-SO02	-	DUO1 - SO02
10545	333320.6470	1570261.0040	-	DU01-SO03	-	DUO1 - SO03
10544	333352.4190	1570294.0770	-	DU01-SO04	-	DUO1 - SO04
10548	333231.3810	1570229.9670	-	DU01-SO05	-	DUO1 - SO05
10556	333263.6460	1570258.4440	-	DU01-SO06	-	DUO1 - SO06
10555	333291.7690	1570289.3830	-	DU01-SO07	-	DUO1 - SO07
10543	333320.6540	1570319.9170	-	DU01-SO08	-	DUO1 - SO08
10549	333203.2110	1570256.8010	-	DU01-SO09	-	DUO1 - SO09
10553	333233.2990	1570287.7060	-	DU01-SO10	-	DUO1 - SO10
10554	333262.0080	1570314.3260	-	DU01-SO11	-	DUO1 - SO11
10542	333291.7060	1570350.5160	-	DU01-SO12	-	DUO1 - SO12
10550	333172.9200	1570284.5600	-	DU01-SO13	-	DUO1 - SO13
10551	333198.8900	1570316.1940	-	DU01-SO14	-	DUO1 - SO14
10552	333236.1500	1570331.7180	-	DU01-SO15	-	DUO1 - SO15
10541	333259.4240	1570375.1890	-	DU01-SO16	-	DUO1 - SO16
10123	333221.3046	1570003.7866	-	DU02-SO01	-	DUO2-SO01
10124	333236.8081	1570041.4596	-	DU02-SO02	-	DUO2-SO02
10126	333245.9089	1570067.4673	-	DU02-SO03	-	DUO2-SO03
10127	333274.5786	1570097.8454	-	DU02-SO04	-	DUO2-SO04
10122	333172.0776	1570023.8515	-	DU02-SO05	-	DUO2-SO05
10121	333196.0586	1570047.8167	-	DU02-SO06	-	DUO2-SO06
10120	333225.3322	1570085.3314	-	DU02-SO07	-	DUO2-SO07
10119	333247.9179	1570116.9014	-	DU02-SO08	-	DUO2-SO08
10115	333147.7281	1570057.8047	-	DU02-SO09	-	DUO2-SO09
10116	333176.1832	1570079.9213	-	DU02-SO10	-	DUO2-SO10
10117	333205.5636	1570104.3012	-	DU02-SO11	-	DUO2-SO11
10118	333228.3436	1570131.4956	-	DU02-SO12	-	DUO2-SO12
10114	333140.0304	1570079.5474	-	DU02-SO13	-	DUO2-SO13
10113	333161.2669	1570102.6100	-	DU02-SO14	-	DUO2-SO14
10112	333182.0119	1570124.9612	-	DU02-SO15	-	DUO2-SO15
10111	333205.5053	1570148.1623	-	DU02-SO16	-	DUO2-SO16
10376	333258.4420	1569541.8660	-	DU03-SO01	-	DU03- SO01
10375	333248.4830	1569567.5530	-	DU03-SO02	-	DU03- SO02
10374	333235.4690	1569599.4090	-	DU03-SO03	-	DU03- SO03
10373	333226.8280	1569624.3110	-	DU03-SO04	-	DU03- SO04
10377	333232.8590	1569529.4260	-	DU03-SO05	-	DU03- SO05
10387	333224.7310	1569555.6970	-	DU03-SO06	-	DU03-SO06
10388	333208.5390	1569583.9280	-	DU03-SO07	-	DU03-SO07
10389	333198.1580	1569602.3010	-	DU03-SO08	-	DU03-SO08
10378	333207.3150	1569517.1860	-	DU03-SO09	-	DU03- SO09
10386	333200.4500	1569548.3820	-	DU03-SO10	-	DU03-SO10
10390	333186.3850	1569578.8040	-	DU03-SO11	-	DU03-SO11
10391	333164.6270	1569598.2580	-	DU03-SO12	-	DU03-SO12
10379	333183.4990	1569510.6500	-	DU03-SO13	-	DU03- SO013
10380	333163.8030	1569525.2870	-	DU03-SO14	-	DU03- SO014
10381	333149.0680	1569549.8580	-	DU03-SO15	-	DU03- SO015
10382	333141.9220	1569582.5580	-	DU03-SO16	-	DU03- SO016
10089	333743.4403	1569405.8240	-	DU04-SO01	-	DUO4-SO01
10090	333744.0086	1569436.9614	-	DU04-SO02	-	DUO4-SO02
10091	333743.2359	1569473.5356	-	DU04-SO03	-	DUO4-SO03
10092	333745.2040	1569497.3346	-	DU04-SO04	-	DUO4-SO04
10096	333706.8250	1569408.9705	-	DU04-SO05	-	DUO4-SO05
10095	333709.1530	1569439.1688	-	DU04-SO06	-	DUO4-SO06
10094	333714.8618	1569470.5835	-	DU04-SO07	-	DUO4-SO07
10093	333718.7600	1569496.4605	-	DU04-SO08	-	DUO4-SO08
10097	333678.5780	1569412.7566	-	DU04-SO09	-	DUO4-SO09
10098	333680.1622	1569442.6611	-	DU04-SO10	-	DUO4-SO10

Point No.	Northing	Easting	Elevation	Location ID	Elevation Type	Surveyor Description
10099	333680.5803	1569471.2444	-	DU04-SO11	-	DUO4-SO11
10100	333682.9904	1569498.0530	-	DU04-SO12	-	DUO4-SO12
10104	333647.2427	1569415.6044	-	DU04-SO13	-	DUO4-SO13
10103	333649.2913	1569445.2357	-	DU04-SO14	-	DUO4-SO14
10102	333650.4956	1569472.5830	-	DU04-SO15	-	DUO4-SO15
10101	333651.6033	1569501.1950	-	DU04-SO16	-	DUO4-SO16
10047	333853.7776	1569878.0883	-	DU05-SO01	-	DUO5-SO01
10048	333865.3134	1569896.7006	-	DU05-SO02	-	DUO5-SO02
10051	333882.5429	1569930.3755	-	DU05-SO03	-	DUO5-SO03
10046	333831.5970	1569856.8069	-	DU05-SO04	-	DUO5-SO04
10043	333825.3410	1569883.0009	-	DU05-SO05	-	DUO5-SO05
10049	333837.0006	1569911.8602	-	DU05-SO06	-	DUO5-SO06
10050	333853.0705	1569946.6645	-	DU05-SO07	-	DUO5-SO07
10045	333813.4266	1569867.4653	-	DU05-SO08	-	DUO5-SO08
10042	333806.2141	1569898.7929	-	DU05-SO09	-	DUO5-SO09
10040	333814.3856	1569919.4110	-	DU05-SO10	-	DUO5-SO10
10041	333816.0972	1569951.0386	-	DU05-SO11	-	DUO5-SO11
10044	333789.6971	1569878.5090	-	DU05-SO12	-	DUO5-SO12
10038	333755.2010	1569918.0181	-	DU05-SO13	-	DUO5-SO13
10039	333776.9936	1569924.3069	-	DU05-SO14	-	DUO5-SO14
10055	333789.4198	1569959.7576	-	DU05-SO15	-	DUO5-SO15
10037	333764.4862	1569886.1244	-	DU05-SO16	-	DUO5-SO16
10019	334172.7490	1570046.3310	-	DU06-SO01	-	DU06-SO01
10018	334182.1030	1570074.3960	-	DU06-SO02	-	DU06-SO02
10013	334191.8440	1570102.1250	-	DU06-SO03	-	DU06-SO03
10012	334201.1850	1570130.9730	-	DU06-SO04	-	DU06-SO04
10020	334146.0270	1570056.0650	-	DU06-SO05	-	DU06-SO05
10017	334156.3710	1570086.8350	-	DU06-SO06	-	DU06-SO06
10014	334164.6920	1570111.5000	-	DU06-SO07	-	DU06-SO07
10011	334174.0150	1570138.8280	-	DU06-SO08	-	DU06-SO08
10027	334118.0172	1570062.1945	-	DU06-SO09	-	DUO6-SO09
10025	334126.3807	1570091.0842	-	DU06-SO10	-	DUO6-SO10
10015	334136.4610	1570121.0890	-	DU06-SO11	-	DU06-SO11
10010	334145.5960	1570151.1520	-	DU06-SO12	-	DU06-SO12
10023	334098.6942	1570066.8587	-	DU06-SO13	-	DUO6-SO13
10026	334103.0443	1570093.1116	-	DU06-SO14	-	DUO6-SO14
10016	334117.1800	1570132.9330	-	DU06-SO15	-	DU06-SO15
10009	334114.3150	1570163.6130	-	DU06-SO16	-	DU06-SO16
10226	336013.0645	1571328.8267	-	DU07-SO01	-	DUO7-SO01
10227	335971.0470	1571304.5725	-	DU07-SO02	-	DUO7-SO02
10228	335939.2139	1571278.6690	-	DU07-SO03	-	DUO7-SO03
10229	335905.5324	1571259.2391	-	DU07-SO04	-	DUO7-SO04
10224	335983.9036	1571348.5269	-	DU07-SO05	-	DUO7-SO05
10223	335967.4772	1571371.4902	-	DU07-SO06	-	DUO7-SO06
10216	335911.8708	1571308.7904	-	DU07-SO07	-	DUO7-SO07
10215	335879.6147	1571294.6840	-	DU07-SO08	-	DUO7-SO08
10222	335940.0733	1571330.5251	-	DU07-SO09	-	DUO7-SO09
10218	335922.0384	1571349.2954	-	DU07-SO10	-	DUO7-S10
10209	335905.5017	1571386.9641	-	DU07-SO11	-	DU07-SO11
10212	335856.2607	1571323.6752	-	DU07-SO12	-	DU07-SO12
10208	335942.5241	1571400.4480	-	DU07-SO13	-	DU07-SO13
10219	335891.1903	1571348.0780	-	DU07-SO14	-	DUO7-S14
10210	335865.4604	1571365.8352	-	DU07-SO15	-	DU07-SO15
10211	335830.3655	1571352.3274	-	DU07-SO16	-	DU07-SO16
10487	335657.4272	1573915.3638	-	DU09-SO01	-	DU09-SO01
10485	335645.2653	1573938.4333	-	DU09-SO02	-	DU09-SO02
10484	335632.4018	1573962.9603	-	DU09-SO03	-	DU09-SO03
10481	335613.4991	1573993.1851	-	DU09-SO04	-	DU09-SO04
10488	335632.9774	1573899.7783	-	DU09-SO05	-	DU09-SO05
10486	335617.1034	1573929.0297	-	DU09-SO06	-	DU09-SO06
10482	335604.5537	1573956.8567	-	DU09-SO07	-	DU09-SO07

Point No.	Northing	Easting	Elevation	Location ID	Elevation Type	Surveyor Description
10479	335584.9170	1573983.6666	-	DU09-SO08	-	DU09-SO08
10476	335600.8697	1573888.4942	-	DU09-SO09	-	DUO9-SO09
10472	335589.4898	1573915.5813	-	DU09-SO10	-	DUO9-SO10
10471	335576.0709	1573937.0922	-	DU09-SO11	-	DUO9-SO11
10478	335562.9611	1573970.4557	-	DU09-SO12	-	DU09-SO12
10475	335574.3673	1573875.8553	-	DU09-SO13	-	DUO9-SO13
10473	335565.9540	1573898.3605	-	DU09-SO14	-	DUO9-SO14
10474	335552.0488	1573927.2688	-	DU09-SO15	-	DUO9-SO15
10470	335539.3527	1573949.5502	-	DU09-SO16	-	DUO9-SO16
10265	334934.3891	1571626.1918	-	DU10-SO01	-	DU10-SO01
10264	334923.2027	1571648.1171	-	DU10-SO02	-	DU10-SO02
10263	334908.0875	1571675.3970	-	DU10-SO03	-	DU10-SO03
10262	334892.3542	1571698.4390	-	DU10-SO04	-	DU10-SO04
10266	334906.3437	1571605.5289	-	DU10-SO05	-	DU10-SO05
10267	334879.7799	1571647.9849	-	DU10-SO06	-	DU10-SO06
10268	334863.2990	1571666.3688	-	DU10-SO07	-	DU10-SO07
10269	334855.5847	1571693.5277	-	DU10-SO08	-	DU10-SO08
10273	334869.7317	1571583.8866	-	DU10-SO09	-	DU10-SO09
10272	334844.5319	1571622.7436	-	DU10-SO10	-	DU10-SO10
10271	334843.5255	1571651.2502	-	DU10-SO11	-	DU10-SO11
10270	334829.7488	1571685.2563	-	DU10-SO12	-	DU10-SO12
10274	334838.0922	1571579.3134	-	DU10-SO13	-	DU10-SO13
10275	334828.0685	1571621.3841	-	DU10-SO14	-	DU10-SO14
10276	334807.9316	1571652.6445	-	DU10-SO15	-	DU10-SO15
10277	334794.8541	1571673.2408	-	DU10-SO16	-	DU10-SO16
10295	335073.8795	1571894.4442	-	DU11-SO01	-	DU11-SO01
10296	335079.7321	1571930.2773	-	DU11-SO02	-	DU11-SO02
10307	335054.1894	1571987.8852	-	DU11-SO03	-	DU11-SO03
10308	335073.0550	1572028.7978	-	DU11-SO04	-	DU11-SO04
10294	335043.1257	1571893.7294	-	DU11-SO05	-	DU11-SO05
10304	335034.4718	1571953.6407	-	DU11-SO06	-	DU11-SO06
10305	335021.3223	1571979.0750	-	DU11-SO07	-	DU11-SO07
10306	335013.4879	1572015.8298	-	DU11-SO08	-	DU11-SO08
10293	334982.0985	1571891.0287	-	DU11-SO09	-	DU11-SO09
10303	334996.5931	1571953.7538	-	DU11-SO10	-	DU11-SO10
10302	334989.4877	1571981.4945	-	DU11-SO11	-	DU11-SO11
10301	334991.8401	1572016.3364	-	DU11-SO12	-	DU11-SO12
10292	334958.0159	1571880.5535	-	DU11-SO13	-	DU11-SO13
10297	334939.4488	1571935.9615	-	DU11-SO14	-	DU11-SO14
10298	334936.6944	1571976.9775	-	DU11-SO15	-	DU11-SO15
10299	334952.4704	1572013.6288	-	DU11-SO16	-	DU11-SO16
10344	335174.6880	1572153.7255	-	DU12-SO01	-	DU12-SO01
10343	335162.1706	1572177.9720	-	DU12-SO02	-	DU12-SO02
10342	335154.1563	1572202.4766	-	DU12-SO03	-	DU12-SO03
10336	335124.7569	1572229.1469	-	DU12-SO04	-	DU12-SO04
10328	335157.1663	1572137.1010	-	DU12-SO05	-	DU12-SO05
10340	335129.1075	1572160.8351	-	DU12-SO06	-	DU12-SO06
10341	335128.0967	1572180.8357	-	DU12-SO07	-	DU12-SO07
10337	335111.2845	1572211.6517	-	DU12-SO08	-	DU12-SO08
10327	335128.7562	1572119.7530	-	DU12-SO09	-	DU12-SO09
10324	335106.7236	1572147.4059	-	DU12-SO10	-	DU12-SO10
10338	335085.0159	1572173.0727	-	DU12-SO11	-	DU12-SO11
10339	335075.3238	1572184.6819	-	DU12-SO12	-	DU12-SO12
10326	335110.0857	1572107.0987	-	DU12-SO13	-	DU12-SO13
10325	335090.1957	1572126.1595	-	DU12-SO14	-	DU12-SO14
10323	335080.5596	1572142.9875	-	DU12-SO15	-	DU12-SO15
10335	335056.0514	1572190.6776	-	DU12-SO16	-	DU12-SO16
10437	335036.1084	1572450.0566	-	DU13-SO01	-	DU13-SO01
10436	335032.8510	1572470.8986	-	DU13-SO02	-	DU13-SO02
10435	335037.0584	1572496.9817	-	DU13-SO03	-	DU13-SO03
10434	335041.8723	1572533.1698	-	DU13-SO04	-	DU13-SO04

Point No.	Northing	Easting	Elevation	Location ID	Elevation Type	Surveyor Description
10438	335020.7926	1572447.7492	-	DU13-SO05	-	DU13-SO05
10439	335013.0810	1572464.7848	-	DU13-SO06	-	DU13-SO06
10440	335014.7242	1572500.4117	-	DU13-SO07	-	DU13-SO07
10433	335016.5728	1572527.4638	-	DU13-SO08	-	DU13-SO08
10445	334983.4269	1572439.9768	-	DU13-SO09	-	DU13-SO09
10446	334983.0252	1572469.5513	-	DU13-SO10	-	DU13-SO10
10441	334985.4238	1572501.5258	-	DU13-SO11	-	DU13-SO11
10432	334981.8471	1572529.1264	-	DU13-SO12	-	DU13-SO12
10444	334959.8057	1572442.4990	-	DU13-SO13	-	DU13-SO13
10443	334961.3994	1572468.2754	-	DU13-SO14	-	DU13-SO14
10442	334959.6433	1572498.0645	-	DU13-SO15	-	DU13-SO15
10431	334952.8761	1572525.3585	-	DU13-SO16	-	DU13-SO16
10466	335218.6082	1572499.6280	-	DU14-SO01	-	DU14-S001
10467	335225.0361	1572541.3290	-	DU14-SO02	-	DU14-S002
10459	335222.1383	1572582.1419	-	DU14-SO03	-	DU14-SO03
10458	335227.5075	1572593.4049	-	DU14-SO04	-	DU14-SO04
10465	335184.6869	1572507.9808	-	DU14-SO05	-	DU14-S005
10461	335200.1039	1572542.5477	-	DU14-SO06	-	DU14-SO06
10457	335190.8418	1572588.7070	-	DU14-SO07	-	DU14-SO07
10456	335190.5844	1572596.1817	-	DU14-SO08	-	DU14-SO08
10464	335159.7551	1572518.6454	-	DU14-SO09	-	DU14-S009
10460	335158.8181	1572560.5528	-	DU14-SO10	-	DU14-SO10
10455	335158.3916	1572581.6421	-	DU14-SO11	-	DU14-SO11
10454	335161.5512	1572591.0704	-	DU14-SO12	-	DU14-SO12
10463	335147.8563	1572510.6204	-	DU14-SO13	-	DU14-S013
10462	335122.6442	1572556.4115	-	DU14-SO14	-	DU14-S014
10452	335121.7979	1572578.6239	-	DU14-SO15	-	DU14-SO15
10453	335126.1372	1572591.0961	-	DU14-SO16	-	DU14-SO16
10187	335288.7996	1571123.2439	-	DU15-SO01	-	DU15-SO01
10175	335309.6940	1571140.8203	-	DU15-SO02	-	DU15-SO02
10176	335320.6411	1571176.2115	-	DU15-SO03	-	DU15-SO03
10177	335339.6465	1571197.5816	-	DU15-SO04	-	DU15-SO04
10167	335268.8795	1571143.8422	-	DU15-SO05	-	DU15-SO05
10168	335278.4285	1571165.6050	-	DU15-SO06	-	DU15-SO06
10174	335297.6901	1571186.0126	-	DU15-SO07	-	DU15-SO07
10173	335316.1515	1571210.8074	-	DU15-SO08	-	DU15-SO08
10166	335241.0057	1571156.9262	-	DU15-SO09	-	DU15-SO09
10169	335262.3268	1571180.0561	-	DU15-SO10	-	DU15-SO10
10170	335271.2688	1571215.4257	-	DU15-SO11	-	DU15-SO11
10172	335289.4921	1571233.3203	-	DU15-SO12	-	DU15-SO12
10165	335225.5472	1571185.1143	-	DU15-SO13	-	DU15-SO13
10164	335235.8976	1571208.7831	-	DU15-SO14	-	DU15-SO14
10178	335244.5563	1571231.1916	-	DU15-SO15	-	DU15-SO15
10171	335267.0736	1571252.0328	-	DU15-SO16	-	DU15-SO16
10155	335313.6801	1571496.6728	-	DU16-SO01	-	DU16-SO01
10154	335308.5207	1571538.0322	-	DU16-SO02	-	DU16-SO02
10151	335249.3490	1571565.2080	-	DU16-SO03	-	DU16-SO03
10153	335284.8173	1571586.5383	-	DU16-SO04	-	DU16-SO04
10148	335282.8846	1571498.3426	-	DU16-SO05	-	DU16-SO05
10149	335283.9197	1571530.6634	-	DU16-SO06	-	DU16-SO06
10150	335267.9482	1571558.9325	-	DU16-SO07	-	DU16-SO07
10152	335262.1890	1571581.7049	-	DU16-SO08	-	DU16-SO08
10147	335252.6558	1571495.3189	-	DU16-SO09	-	DU16-SO09
10146	335259.3063	1571524.2277	-	DU16-SO10	-	DU16-SO10
10145	335243.2404	1571543.9578	-	DU16-SO11	-	DU16-SO11
10144	335231.9526	1571578.5570	-	DU16-SO12	-	DU16-SO12
10140	335219.8566	1571497.3776	-	DU16-SO13	-	DU16-SO13
10141	335217.5773	1571515.5895	-	DU16-SO14	-	DU16-SO14
10142	335213.8459	1571539.9068	-	DU16-SO15	-	DU16-SO15
10143	335205.0427	1571570.7556	-	DU16-SO16	-	DU16-SO16
10504	335345.7653	1571879.1898	-	DU17-SO01	-	DU17-SO01

Point No.	Northing	Easting	Elevation	Location ID	Elevation Type	Surveyor Description
10505	335318.7045	1571881.6880	-	DU17-SO02	-	DU17-SO02
10506	335292.5620	1571878.4419	-	DU17-SO03	-	DU17-SO03
10507	335265.7886	1571880.0729	-	DU17-SO04	-	DU17-SO04
10511	335350.7023	1571845.0464	-	DU17-SO05	-	DU17-SO05
10510	335313.4665	1571845.3672	-	DU17-SO06	-	DU17-SO06
10509	335283.2077	1571853.5120	-	DU17-SO07	-	DU17-SO07
10508	335257.5143	1571852.8789	-	DU17-SO08	-	DU17-SO08
10512	335353.3127	1571817.4897	-	DU17-SO09	-	DU17-SO09
10513	335325.6825	1571821.1495	-	DU17-SO10	-	DU17-SO10
10519	335291.2953	1571825.3748	-	DU17-SO11	-	DU17-SO11
10518	335268.0956	1571822.5585	-	DU17-SO12	-	DU17-SO12
10514	335350.0047	1571784.3587	-	DU17-SO13	-	DU17-SO13
10515	335322.2312	1571774.1032	-	DU17-SO14	-	DU17-SO14
10516	335293.2192	1571781.9150	-	DU17-SO15	-	DU17-SO15
10517	335266.8070	1571788.8693	-	DU17-SO16	-	DU17-SO16
10244	335545.6025	1572125.7878	-	DU18-SO01	-	DU18-SO01
10245	335524.1813	1572152.1416	-	DU18-SO02	-	DU18-SO02
10246	335494.0568	1572171.0165	-	DU18-SO03	-	DU18-SO03
10260	335472.9502	1572194.6193	-	DU18-SO04	-	DU18-SO04
10249	335525.9364	1572107.6499	-	DU18-SO05	-	DU18-SO05
10248	335499.9335	1572129.6297	-	DU18-SO06	-	DU18-SO06
10247	335483.9110	1572149.8162	-	DU18-SO07	-	DU18-SO07
10259	335453.6887	1572168.8288	-	DU18-SO08	-	DU18-SO08
10250	335501.6519	1572088.4363	-	DU18-SO09	-	DU18-SO09
10251	335483.5469	1572110.2083	-	DU18-SO10	-	DU18-SO10
10254	335463.8076	1572128.1219	-	DU18-SO11	-	DU18-SO11
10252	335450.2364	1572138.5456	-	DU18-SO12	-	DU18-SO12
10256	335486.3719	1572044.4478	-	DU18-SO13	-	DU18-SO13
10255	335478.6840	1572087.8248	-	DU18-SO14	-	DU18-SO14
10253	335435.8074	1572102.6537	-	DU18-SO15	-	DU18-SO15
10258	335421.6084	1572118.3793	-	DU18-SO16	-	DU18-SO16
10633	333259.7703	1570266.9158	87.343472	PZ-3	Ground Surface	PZ3 CONC
10634	333260.4340	1570266.6370	86.963143	PZ-3	Top of Casing	PZ3 PIPE

Appendix E

Investigation-Derived Waste Documentation

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SB-01

BOL2038167

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	Not Required	1	732-613-1660	15295-3

GENERATOR

5. Generator's Name and Mailing Address
US Corps of Engineers
35 Federal Plaza, RM 1811
New York, NY 10278
Generator's Phone: 917-790-8235

Generator's Site Address (if different than mailing address)
Camp Hero - 1898 Montauk Highway
Montauk, NY 11954

6. Transporter 1 Company Name: Clean Venture — U.S. EPA ID Number: NJ0000027193

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
Cycle Chem, Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: 908-355-5800
U.S. EPA ID Number: NJD002200046

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non RCRA Non DOT Soil	001	CM	006	T	DF1
2.				6720	P	
3.						
4.						

13. Special Handling Instructions and Additional Information
Soil Cuttings 99-100%, S - PC01-1 Generator # 983804 BOX# SB-01
AWT P.O. # 15295-JDA
Bill Soil

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.
Generator's/Offeror's Printed/Typed Name: employee of AECOM Technical Services, as an agent of the US Army Corps of Engineers — Signature: employed by AECOM Technical Services, as an agent of the US Army Corps of Engineers — Month 07 Day 18 Year 17

INTL

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: GILBERTO VELEZ — Signature — Month 07 Day 18 Year 17
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name — Signature — Month 07 Day 22 Year 17

169-BLC-O 5 11977 (Rev. 9/09) DESIGNATED FACILITY TO GENERATOR

ALL AMERICAN ALLOYS
AND RECYCLING, INC.

B0120381GA

INDUSTRIAL SCRAP EXPERTS • CONTAINER SERVICE • WASTE DISPOSAL

Scale Ticket

Customer: CLEAN VENTURE INC. BROS

Driver: GILBERTO VELEZ

Truck #: RT-169

Plate #: AJ-397U

Box #: SB-01

Product:

Destination:

Weight Master:

GROSS	39780	lb
TARE	140	lb
NET	39640	lb

02:32PM 07/18/2017

39780
− 33060
6720 Lbs
⇒ 3.36 tons

200 South First Street Elizabeth, New Jersey 07206 Phone: 908-289-1005 Fax: 908-289-3470

ALL AMERICAN ALLOYS AND RECYCLING, INC.

BOL203816A

INDUSTRIAL SCRAP EXPERTS • CONTAINER SERVICE • WASTE DISPOSAL

Scale Ticket

Customer: _____

Driver: _____

Truck #: R#169

Plate #: _____

Box #: SB (SB04) MT weight

Product: _____

Destination: _____

Weight Master: _____

GROSS	33060 lb
TARE	120 lb
NET	32940 lb

10:15AM 01/31/2017

200 South First Street Elizabeth, New Jersey 07206 Phone: 908-289-1005 Fax: 908-289-3470

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
Not Required	1	732-913-1660	15295-1

GENERATOR

5. Generator's Name and Mailing Address
US Corps of Engineers
26 Federal Plaza, RM 1811
New York, NY 10278
Generator's Phone: 917-790-8235

Generator's Site Address (if different than mailing address)
Camp Hero - 1898 Montauk Highway
Montauk, NY 11954

6. Transporter 1 Company Name: W.J. Lauer Corp.
U.S. EPA ID Number: NYR 000 157 644

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Clean Water of New York
3249 Richmond Terrace/P.O. Box 030312
Staten Island, NY 10303-0312
Facility's Phone: 718-981-4600

U.S. EPA ID Number

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1. Non RCRA Non DOT Liquids	1	TT	6450	G	
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information
Approval # 242-151

AWT P.O. # 15295-JDA

Bill Water

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Nicole Schulman employed by AECOM Technical Services on behalf of the US Army Corps of Engineers
Signature
Month: 07 Day: 18 Year: 17

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Carlos Maldonado
Signature
Month: 7 Day: 18 Year: 17

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Carlos Herrera
Signature
Month: 7 Day: 18 Year: 17

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	Not Required	1	732-613-1860	15295- 2

GENERATOR

5. Generator's Name and Mailing Address

US Corps of Engineers
36 Federal Plaza, RM 1811
New York, NY 10278

Generator's Phone: 917-790-8235

Generator's Site Address (if different than mailing address)

Camp Hero - 1898 Montauk Highway
Montauk, NY 11954

6. Transporter 1 Company Name: Eastern Environmental Solutions, Inc.
U.S. EPA ID Number: NYR000135624

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Clean Water of New York
3249 Richmond Terrace/P.O. Box 030312
Staten Island, NY 10303-0312

Facility's Phone: 718-981-4600

U.S. EPA ID Number

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non RCRA Non DOT Soil	001	DM	700	P	
2.	DOT/RCRA Empty Drums	041	DM	2,050	P	
3.						
4.						

13. Special Handling Instructions and Additional Information

Approval # 242-152

AWT P.O. # 15295-JDA

Drums

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Nicole Shlaen, employed by AECOM Technical Services, as an agent of the US Army Corps of Engineers
Signature: employed by AECOM Technical Services as an agent of the US Army Corps of Engineers
Month: 07 Day: 18 Year: 17

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Patrick A Slaven
Signature:
Month: 7 Day: 18 Year: 17

Transporter 2 Printed/Typed Name
Signature
Month: Day: Year:

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Carlos Flores-4
Signature:
Month: 7 Day: 19 Year: 17

Clean Water of New York, Inc

Print Form

www.dispatch@cwofny.com

Internal Use Only

Approval # _____

Generators Waste Profile Sheet

Generator Information

Company	US Corps of Engineers
Address	26 Federal Plaza, RM 1811
City	New York
State	NY
Zip/Postal Code	10278
Contact	
Phone Number	917-790-8235
Site Name	Camp Hero
Site Address	1898 Montauk Highway
Site Contact	
Cell Phone	

Invoice Information

Company	AWT Environmental Services, Inc.
Address	PO Box 128
City	Sayreville
State	NJ
Zip/Postal Code	08871
Contact	Joe Angelone
Phone Number	732-613-1660
Fax Number	732-613-1536
Email	jangelone@awtenv.com
PO #	15295-JDA
JOB #	15295

Waste Informaton

Name of Waste: DOT/RCRA Empty Drums

Process Generating Waste: Empty Drums Used For Investigation Derived Waste

Chararistics		Physical State	Layers	Flash Point	Corrosivity (pH)	
Color	Black	☒ Solid	☒ Single Phase	☐ < 100 F	☐ 3-5	☐ 5-7
Odor	None	☒ Liquid	☐ Bi-Layered	☐ 100 F_140 F	☐ 7-9	☐ 9-12
Halogens	N/A	☐ Sludge	☐ Multi-Layered	☒ > 140 F		
Sulfur %	N/A	☐ Powder	☐ Emulsified		Actual	N/A

Chemical Composition		Transporters	
% Water		1	
% Oil		2	
% Solids	100	3	

Was waste generated from a regulated CERCLA/Super Fund Site ? ☐ YES ☒ NO

Did load originate at a utility ? ☐ YES ☒ NO

(If this load originates at a utility, you must send in PCB analysis. Max PCB concentration must be less 2 ppm.)
Does this waste contain greater than 2 ppm PCB's or are PCB's derived from a source greater than 2ppm? ☐ YES ☒ NO

Does this waste contain greater than 1000 ppm total HOC (Halogenated Organic Compounds)? ☐ YES ☒ NO

Manifest Information

Proper Shipping Name: DOT/RCRA Empty Drums

Anticipated Volume/Units: 35-38 Frequency ☐ Daily ☐ Weekly ☐ Monthly ☐ Yearly ☒ One Time

Method of Shipment ☐ Bulk Liquid ☒ Drum ☐ Other:

Generator Certification

I hereby certify that all information submitted in this and all attached documents is true and accurate, based on my inquiry of those individuals immediately responsible for obtaining this information. I believe that the submitted information is true and complete to the best of my knowledge and that all suspected hazards have been disclosed. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Signature: CULLEN.MEGAN.E.13673753 68 Digitally signed by CULLEN.MEGAN.E.13673753 DN: c=US, o=U.S. Government, ou=DoD, ou=PKI, ou=USA, cn=CULLEN.MEGAN.E.13673753 Date: 2017.07.12 14:40:25 -04'00'

Name & Title: TECHNICAL LEAD

Date: 12 JUL 17

Clean Water of New York, Inc.

Print Form

www.dispatch@cwofny.com

Internal Use Only

Approval # _____

Generators Waste Profile Sheet

Generator Information

Company	US Corps of Engineers
Address	26 Federal Plaza, RM 1811
City	New York
State	NY
Zip/Postal Code	10278
Contact	
Phone Number	917-790-8235
Site Name	Camp Hero
Site Address	1898 Montauk Highway
Site Contact	
Cell Phone	

Invoice Information

Company	AWT Environmental Services, Inc.
Address	PO Box 128
City	Sayreville
State	NJ
Zip/Postal Code	08871
Contact	Joe Angelone
Phone Number	732-613-1660
Fax Number	732-613-1536
Email	jangelone@awtenv.com
PO #	15295-JDA
JOB #	15295

Waste Informaton

Name of Waste: Non Hazardous Water

Process Generating Waste: Investigation Derived Waste

Chararistics		Physical State	Layers	Flash Point	Corrosivity (pH)	
Color	Clear	☐ Solid	☒ Single Phase	☐ < 100 F	☐ 3-5	☒ 5-7
Odor	None	☒ Liquid	☐ Bi-Layered	☐ 100 F_140 F	☐ 7-9	☐ 9-12
Halogens	N/A	☐ Sludge	☐ Multi-Layered	☒ > 140 F		
Sulfur %	N/A	☐ Powder	☐ Emulsified		Actual	

Chemical Composition		Transporters	
% Water	>99	1	
% Oil	<0.01	2	
% Solids	<1	3	

Was waste generated from a regulated CERCLA/Super Fund Site ? ☐ YES ☒ NO

Did load originate at a utility ? ☐ YES ☒ NO

(If this load originates at a utility, you must send in PCB analysis. Max PCB concentration must be less 2 ppm.)

Does this waste contain greater than 2 ppm PCB's or are PCB's derived from a source greater than 2ppm? ☐ YES ☒ NO

Does this waste contain greater than 1000 ppm total HOC (Halogenated Organic Compounds)? ☐ YES ☒ NO

Manifest Information

Proper Shipping Name: Non DOT/Non RCRA Water

Anticipated Volume/Units: 1,500 gals

Frequency ☐ Daily ☐ Weekly ☐ Monthly ☐ Yearly ☒ One Time

Method of Shipment ☒ Bulk Liquid ☐ Drum ☐ Other:

Generator Certification

I hereby certify that all information submitted in this and all attached documents is true and accurate, based on my inquiry of those individuals immediately responsible for obtaining this information. I believe that the submitted information is true and complete to the best of my knowledge and that all suspected hazards have been disclosed. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Signature: CULLEN.MEGAN.E.1367375368 Digitally signed by CULLEN.MEGAN.E.1367375368 DN: c=US, o=U.S. Government, ou=DoD, ou=PKI, ou=USA, cn=CULLEN.MEGAN.E.1367375368 Date: 2017.07.12 14:39:38 -04'00'

Name & Title: TECHNICAL LEAD

Date: 12 JUL 17

Clean Water of New York, Inc.

Print Form

www.dispatch@cwofny.com

Internal Use Only

Approval # _____

Generators Waste Profile Sheet

Generator Information

Company	US Corps of Engineers
Address	26 Federal Plaza, RM 1811
City	New York
State	NY
Zip/Postal Code	10278
Contact	
Phone Number	917-790-8235
Site Name	Camp Hero
Site Address	1898 Montauk Highway
Site Contact	
Cell Phone	

Invoice Information

Company	AWT Environmental Services, Inc.
Address	PO Box 128
City	Sayreville
State	NJ
Zip/Postal Code	08871
Contact	Joe Angelone
Phone Number	732-613-1660
Fax Number	732-613-1536
Email	jangelone@awtenv.com
PO #	15295-JDA
JOB #	15295

Waste Informaton

Name of Waste: Non Hazardous Soil Cuttings/Mud/Water

Process Generating Waste: Investigation Derived Waste

Chararistics		Physical State	Layers	Flash Point	Corrosivity (pH)	
Color	Brown	☒ Solid	☐ Single Phase	☐ < 100 F	☐ 3-5	☐ 5-7
Odor	None	☒ Liquid	☐ Bi-Layered	☐ 100 F_140 F	☒ 7-9	☐ 9-12
Halogens	N/A	☒ Sludge	☒ Multi-Layered	☒ > 140 F		
Sulfur %	N/A	☐ Powder	☐ Emulsified		Actual	8.22

Chemical Composition		Transporters	
% Water	10-90	1	
% Oil	<0.01	2	
% Solids	10-90	3	

Was waste generated from a regulated CERCLA/Super Fund Site ? ☐ YES ☒ NO

Did load originate at a utility ? ☐ YES ☒ NO

(If this load originates at a utility, you must send in PCB analysis. Max PCB concentration must be less 2 ppm.)
Does this waste contain greater than 2 ppm PCB's or are PCB's derived from a source greater than 2ppm? ☐ YES ☒ NO

Does this waste contain greater than 1000 ppm total HOC (Halogenated Organic Compounds)? ☐ YES ☒ NO

Manifest Information

Proper Shipping Name: Non DOT/Non RCRA Soil Cuttings/Mud/Water

Anticipated Volume/Units: 3-5 drums

Frequency ☐ Daily ☐ Weekly ☐ Monthly ☐ Yearly ☒ One Time

Method of Shipment ☐ Bulk Liquid ☒ Drum ☐ Other:

Generator Certification

I hereby certify that all information submitted in this and all attached documents is true and accurate, based on my inquiry of those individuals immediately responsible for obtaining this information. I believe that the submitted information is true and complete to the best of my knowledge and that all suspected hazards have been disclosed. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Signature: CULLEN.MEGAN.E.1367375368 (Digitally signed by CULLEN.MEGAN.E.1367375368 DN: c=US, o=U.S. Government, ou=DoD, ou=PKI, ou=USA, cn=CULLEN.MEGAN.E.1367375368 Date: 2017.07.12 14:38:29 -04'00')

Name & Title: Technical Lead

Date: 12 JUL 17

AWT Environmental Services, Inc.

P.O. Box 128, Sayreville, NJ 08871
732-613-1660 Fax 732-613-1660

Material Profile Sheet
Product Code:
Generator No:

A. GENERATOR INFORMATION

GENERATOR USEPA ID: NOT REQUIRED

GENERATOR NAME: US Corps of Engineers
MAILING ADDRESS: 26 Federal Plaza, RM 1811
New York, NY 10278
GENERATOR CONTACT:
GENERATOR PHONE #: 917-790-8235
SITE ADDRESS: Camp Hero, 1898 Montauk Highway Montauk NY11954
NAME OF WASTE: Non Hazardous Soil Cuttings

AWT COORDINATOR: Joe Angelone
PROJECT #: 15295
WASTE ID#:
PROCESS GENERATING WASTE: Investigation Derived Waste

B. PHYSICAL CHARACTERISTICS OF WASTE

Color/Physical Description: Brown Soil

STRONG INCIDENTAL ODOR PRESENT: Yes X No

PHYSICAL STATE @70°F:
- X SOLID
- LIQUID
- POWDER
- SEMI SOLID

- X SINGLE PHASE
- BI-LAYERED
- MULTI-LAYERED
- SLUDGE

___ WASTEWATER
X NONWASTEWATER

SPECIFIC GRAVITY: N/A

FLASHPOINT:
- ___ <70°F
- ___ >200°F
- ___ 70°F-100°F
- ___ 101°F-141°F
- ___ 142°F-200°F
- ___ >200°F
- X NO FLASH
- ___ EXACT

Ignitable (if solid) ___ Yes ___ No
___ Closed Cup ___ Open Cup

LIQUID/SOLID/SLUDGE:
- % Sludge
- % Suspended Solid
- %Solid/Debris 100
- % Free Liquid

pH:
- ___ <2.0
- ___ 2.01-5
- ___ 5.01-9
- X 9.01-12.4
- ___ >12.50
- 11.6 EXACT

Dumpable	X	Yes		No
Pumpable		Yes	X	No
Pourable		Yes	X	No

C. CHEMICAL COMPOSITION

Is MSDS Attached? ___ Yes X No
Is Analysis Attached? X Yes ___ No

	RANGE MINIMUM	RANGE MAXIMUM
Soil Cuttings	99%	100%

D. REGULATORY INFORMATION

USEPA HAZARDOUS WASTE ?: ___ YES X NO
USEPA CODE(S):
APPLICABLE SUBCATEGORIES:
STATE HAZARDOUS WASTE?: ___ YES X NO
STATE CODE(S):
D.O.T. HAZARDOUS WASTE?: ___ YES X NO
PROPER SHIPPING NAME: Non DOT/Non RCRA Soil
CLASS: N/A I.D. NO.: 27 P.G.: N/A R.Q.: N/A

E. SHIPPING INFORMATION/SHIPMENT METHOD:

- ___ BULK LIQUID
- ___ BULK SOLID
- ___ DRUM TRAILER
- X ROLL-OFF
- ___ DRUM SIZE
- ___ PALLETS
- ___ CUBIC YARD BOX

ANTICIPATED VOLUME: One Load
QUANTITY: Estimated 6 tons
UNITS :
PRICE:
FREQUENCY:

F. SPECIAL HANDLING CONSIDERATIONS

CERCLA FACILITIES:
NO LANDFILL:
PROJECT CODE:
INCINERATE ONLY:
CCI SALES CODE:
OTHER:

G. TRANSPORTATION ARRANGEMENTS

LTL PICK-UP ☐ DEDICATED LOAD ☐

H. OTHER HAZARDOUS CHARACTERISTICS

INDICATE IF THE WASTE IS:
- ___ RCRA REACTIVE
- ___ WATER REACTIVE
- ___ RADIOACTIVE
- ___ SUBJECT TO SUBPART FF
- ___ BENZENE REGULATIONS
- ___ ETIOLOGICAL
- ___ TSCA REGULATED
- ___ OXIDIZING MATERIAL
- ___ PYROPHORIC
- ___ EXPLOSIVE/SHOCK SENSITIVE
- X NONE OF THE ABOVE

Indicate If Waste Contains Any Of The Following:

	None	Or Less Than	Or Actual
Pcb's	X	<50PPM	PPM
Cyanides	X	<250PPM	PPM
Phenolics	X	<50PPM	PPM
Sulfides	X	<500PPM	PPM
VOC's	X	<500PPM	PPM

Is this waste characteristically hazardous for metals or organics (EPA Waste Code D004-D043)? ___ Yes X No. If yes please list the constituents and concentrations in Section D

Does this waste contain underlying hazardous constituents as defined in 40 CFR 268 (2)(I) at concentrations exceeding the UTS treatment standards? ___ Yes X No. If yes, please list constituents and concentrations in Section D

GENERATOR CERTIFICATION: I hereby certify that all information submitted in this and all attached documents is complete, contains true and accurate descriptions and it is representative of the waste material, and that all relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. If the TDSF discovers, after having taken delivery of the waste, that any waste does not conform to the identification and description on this MPS then the TSD shall provide notice of such condition to the Generator and coordinate the return of the nonconforming waste to the point of origin as set forth on the manifest or to such other locations designated in writing by the Generator. Generator agrees to reimburse AWT for all handling, packaging, clean-up and transportation costs or charges, damage to equipment, and cost associated with lost time incurred by the TSD during the receipt, handling, temporary storage and return of such nonconforming waste to correction is performed, I will be contacted as such to issue any approval.

AUTHORIZED SIGNATURE: CULLEN.MEGAN.E.1367375368 Digitally signed by CULLEN.MEGAN.E.1367375368 DN: c=US, o=U.S. Government, ou=DoD, ou=PKI, ou=USA, cn=CULLEN.MEGAN.E.1367375368 Date: 2017.07.12 14:27:21 -04'00'
TITLE: TECHNICAL LEAD
DATE: 12 JUL 2017

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Phase III Soil and Liquid IDW Results
Phase III Remedial Investigation
Camp Hero, Montauk, New York

Analysis	Method	Toxicity Characteristic Regulatory Level	Units	Soil IDW		Liquid IDW	
				IDW-ST061617-01 (Roll-off)	IDW-ST061617-02 (Drums)	IDW-WW062717-01 (Poly Tank)	IDW-WW062717-02 (Drums)
Reactivity, Corrosivity, Ignitability, pH							
Temperature of pH	EPA 170.1	N.A.	°C	19.20	20.30	22.4	23.8
pH	SM 4500-H+ B-20	2 ≤ pH ≤ 12.5	Std. Units	11.6 J	8.22	7.5	6.8
Flash Point	SW-846 1010A	N.A.	Degrees F	No Flash Observed	No Flash Observed	No Flash Observed	No Flash Observed
Moisture	SM 2540 G-1997	N.A.	N.A.	5.2	15.7	not analyzed	not analyzed
Ignitability	40 CFR 261.21	N.A.	N.A.	Sample did not spontaneouly ignite	Sample did not spontaneouly ignite	not analyzed	not analyzed
TCLP: RCRA Metals, ICP/OES							
Arsenic	SW-846 6010C	5	mg/l	< 0.0200	< 0.0200	< 0.0200	< 0.0200
Barium	SW-846 6010C	100	mg/l	0.253	0.465	0.0765	0.176
Cadmium	SW-846 6010C	1.0	mg/l	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Chromium	SW-846 6010C	5	mg/l	0.0034 J	< 0.0075	0.010 J	< 0.0075
Lead	SW-846 6010C	5	mg/l	< 0.0150	< 0.0150	0.0159 J	< 0.0150
Selenium	SW-846 6010C	1.0	mg/l	< 0.0200	0.0112 J	< 0.0200	< 0.0200
Silver	SW-846 6010C	5	mg/l	< 0.0050	< 0.0050	< 0.0050	< 0.0050
TCLP: RCRA Metals, Mercury							
Mercury	SW-846 7470A	0.2	mg/l	< 0.00010	< 0.00010	<0.00010	<0.00010
TCLP: RCRA SVOCs							
1,4-Dichlorobenzene	SW-846 8270D	7.5	mg/l	< 0.005	< 0.005	< 0.005	< 0.005
2,4-Dinitrotoluene	SW-846 8270D	0.13	mg/l	< 0.010	< 0.010	< 0.010	< 0.010
Hexachlorobenzene	SW-846 8270D	0.13	mg/l	< 0.001	< 0.001	< 0.001	< 0.001
Hexachlorobutadiene	SW-846 8270D	0.5	mg/l	< 0.005	< 0.005	< 0.005	< 0.005
Hexachloroethane	SW-846 8270D	3.0	mg/l	< 0.010	< 0.010	< 0.010	< 0.010
2-Methylphenol	SW-846 8270D	200	mg/l	< 0.005	< 0.005	< 0.005	< 0.005
4-Methylphenol	SW-846 8270D	200.0	mg/l	< 0.005	< 0.005	< 0.005	< 0.005
Nitrobenzene	SW-846 8270D	2	mg/l	< 0.005	< 0.005	< 0.005	< 0.005
Pentachlorophenol	SW-846 8270D	100	mg/l	< 0.010	< 0.010	< 0.010	< 0.010
Pyridine	SW-846 8270D	25.0	mg/l	< 0.020	< 0.020	< 0.020	< 0.020
2,4,5-Trichlorophenol	SW-846 8270D	400	mg/l	< 0.005	< 0.005	< 0.005	< 0.005
2,4,6-Trichlorophenol	SW-846 8270D	2.0	mg/l	< 0.005	< 0.005	< 0.005	< 0.005
TCLP: RCRA VOCs							
Benzene	SW-846 8260C	500	ug/l	< 20	< 20	< 5	< 1
2-Butanone	SW-846 8260C	200000	ug/l	< 160	< 160	< 40	< 8
Carbon Tetrachloride	SW-846 8260C	500	ug/l	< 20	< 20	< 5	< 1
Chlorobenzene	SW-846 8260C	100000	ug/l	< 20	< 20	< 5	< 1
Chloroform	SW-846 8260C	6000	ug/l	< 20	< 20	< 5	< 1
1,2-Dichloroethane	SW-846 8260C	500	ug/l	< 20	< 20	< 5	< 1
1,1-Dichloroethene	SW-846 8260C	700	ug/l	< 20	< 20	< 5	< 1
Tetrachloroethene	SW-846 8260C	700	ug/l	< 20	< 20	< 5	2
Trichloroethene	SW-846 8260C	500	ug/l	< 20	< 20	< 5	< 1
Vinyl Chloride	SW-846 8260C	200	ug/l	< 20	< 20	< 5	< 1

Notes
Preliminary data has not been validated.
J = Estimated value
N.A. = Not applicable

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eurofins | Lancaster Laboratories Environmental

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Analysis Report

REVISED

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

AECOM
PO Box 5604
Glen Allen VA 23058-5604

Report Date: June 29, 2017

Project: Camp Hero

Submittal Date: 06/17/2017
Group Number: 1814762
SDG: APP41
PO Number: 84902
State of Sample Origin: NY

Client Sample Description	Lancaster Labs (LL) #
IDW-ST061617-01 Soil	9055443
IDW-ST061617-01 Soil	9055444
IDW-ST061617-01 Soil	9055445
IDW-ST061617-02 Soil	9055446
IDW-ST061617-02 Soil	9055447
IDW-ST061617-02 Soil	9055448

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our current scopes of accreditation can be viewed at http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/ . To request copies of prior scopes of accreditation, contact your project manager.

Electronic Copy To AECOM Attn: Devon Chicoine
Electronic Copy To AECOM Attn: Debbie Masonheimer

Respectfully Submitted,

Stephen J. Gordon
Project Manager

(724) 597-2027

Project Name: Camp Hero
LL Group #: 1814762

General Comments:

All analyses have been performed in accordance with DOD QSM Version 5.0 unless otherwise noted below.

See the Laboratory Sample Analysis Record section of the Analysis Report for the method references.

All QC met criteria unless otherwise noted in an Analysis Specific Comment below. Refer to the QC Summary for specific values and acceptance criteria.

Project specific QC samples are not included in this data set

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Surrogate recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in an Analysis Specific Comment below.

The samples were received at the appropriate temperature and in accordance with the chain of custody unless otherwise noted.

Analysis Specific Comments:

SW-846 8260C, GC/MS Volatiles

Sample #s: 9055445, 9055448

A Method Detection Limit (MDL) standard is analyzed to confirm sensitivity of the instrument for samples with non-detect analytes associated with a continuing calibration verification standard exhibiting low response (outside the 20%D criteria). The MDL standard shows adequate sensitivity at or below the reporting limit.

SW-846 6010C, Metals

Batch #: 171771063602 (Sample number(s): 9055444, 9055447 UNSPK: 9055444 BKG: 9055444)

The recovery(ies) for the following analyte(s) in the LCS exceeded the acceptance window indicating a positive bias: Arsenic

The recovery(ies) for the following analyte(s) in the MS and/or MSD exceeded the acceptance window indicating a positive bias: Arsenic, Silver

The duplicate RPD for the following analyte(s) exceeded the acceptance window: Chromium

40 CFR 261.21, Wet Chemistry

Sample #s: 9055443, 9055446

The sample did not spontaneously ignite when exposed to air or water.
The sample did not ignite by friction.
The sample vapors did not ignite when exposed to a flame using a closed cup apparatus.

SW-846 9045D modified, Wet Chemistry

Sample #s: 9055443

The pH was measured in water at 19.2 C.
The reported result was confirmed.

Sample #s: 9055446

The pH was measured in water at 20.3 C.

SM 2540 G-1997, Wet Chemistry

Batch #: 17177820001A (Sample number(s): 9055446 BKG: P44026)

The duplicate RPD for the following analyte(s) exceeded the acceptance window:
Moisture

REVISED

Sample Description: IDW-ST061617-01 Soil
Camp Hero

LL Sample # SW 9055443
LL Group # 1814762
Account # 19891

Project Name: Camp Hero

Collected: 06/16/2017 09:15

Submitted: 06/17/2017 05:45
Reported: 06/29/2017 15:10

AECOM
PO Box 5604
Glen Allen VA 23058-5604

ID1AR SDG#: APP41-01

CAT No.	Analysis Name	CAS Number	Dry Result		Dry Detection Limit*	Dry Limit of Detection	Dry Limit of Quantitation	DF
Wet Chemistry	**40 CFR 261.21**							
00542	Ignitability	n.a.	See Below		0	0	0	1
	The sample did not spontaneously ignite when exposed to air or water. The sample did not ignite by friction. The sample vapors did not ignite when exposed to a flame using a closed cup apparatus.							
	SW-846 9045D modified		**Std. Units**		**Std. Units**	**Std. Units**	**Std. Units**	
00394	pH	n.a.	11.6	J	0.0100	0.0100	0.0100	1
	The pH was measured in water at 19.2 C. The reported result was confirmed.							
Wet Chemistry	**SM 2540 G-1997**		**%**		**%**	**%**	**%**	
00111	Moisture	n.a.	5.2		0.50	0.50	0.50	1
	Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.							

Sample Comments

State of Florida Lab Certification No. E87997
State of New York Certification No. 10670

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00542	Ignitability	40 CFR 261.21	1	17171054202A	06/20/2017 19:50	Daniel S Smith	1
00394	pH	SW-846 9045D modified	1	17174039402B	06/23/2017 21:00	Luz M Groff	1
00111	Moisture	SM 2540 G-1997	1	17179820001B	06/29/2017 02:24	Scott W Freisher	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: IDW-ST061617-01 Soil
TCLP NVE
Camp Hero

LL Sample # TL 9055444
LL Group # 1814762
Account # 19891

Project Name: Camp Hero

Collected: 06/16/2017 09:15

Submitted: 06/17/2017 05:45
Reported: 06/29/2017 15:10

AECOM
PO Box 5604
Glen Allen VA 23058-5604

ID1NV SDG#: APP41-02

CAT No.	Analysis Name	CAS Number	Result	Detection Limit*	Limit of Detection	Limit of Quantitation	DF
GC/MS Semivolatiles	**SW-846 8270D**		**mg/l**	**mg/l**	**mg/l**	**mg/l**	
14252	1,4-Dichlorobenzene	106-46-7	< 0.005	0.003	0.005	0.005	1
14252	2,4-Dinitrotoluene	121-14-2	< 0.010	0.005	0.010	0.025	1
14252	Hexachlorobenzene	118-74-1	< 0.001	0.0005	0.001	0.003	1
14252	Hexachlorobutadiene	87-68-3	< 0.005	0.003	0.005	0.005	1
14252	Hexachloroethane	67-72-1	< 0.010	0.005	0.010	0.025	1
14252	2-Methylphenol	95-48-7	< 0.005	0.003	0.005	0.005	1
14252	4-Methylphenol	106-44-5	< 0.005	0.003	0.005	0.005	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
14252	Nitrobenzene	98-95-3	< 0.005	0.003	0.005	0.005	1
14252	Pentachlorophenol	87-86-5	< 0.010	0.005	0.010	0.025	1
14252	Pyridine	110-86-1	< 0.020	0.010	0.020	0.025	1
14252	2,4,5-Trichlorophenol	95-95-4	< 0.005	0.003	0.005	0.005	1
14252	2,4,6-Trichlorophenol	88-06-2	< 0.005	0.003	0.005	0.005	1
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	< 0.0200	0.0096	0.0200	0.0400	1
07046	Barium	7440-39-3	0.253	0.00085	0.0025	0.0100	1
07049	Cadmium	7440-43-9	< 0.0050	0.0018	0.0050	0.0100	1
07051	Chromium	7440-47-3	0.0034 J	0.0033	0.0075	0.0300	1
07055	Lead	7439-92-1	< 0.0150	0.0060	0.0150	0.0300	1
07036	Selenium	7782-49-2	< 0.0200	0.0093	0.0200	0.0400	1
07066	Silver	7440-22-4	< 0.0050	0.0024	0.0050	0.0100	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	< 0.00010	0.000050	0.00010	0.00020	1

Sample Comments

State of New York Certification No. 10670

If the analysis is for determination of Hazardous Waste Characteristics, see Table 1 in EPA Code of Federal Regulations 40 CFR 261.24.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14252	TCLP SVOCs 8270D	SW-846 8270D	1	17177WAU026	06/28/2017 02:33	Edward C Monborne	1
04731	TCLP Leachate Extraction	SW-846 3510C	1	17177WAU026	06/27/2017 08:00	Bradley W VanLeuven	1
07035	Arsenic	SW-846 6010C	1	171771063602	06/27/2017 02:36	Jonathan Allen	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: IDW-ST061617-01 Soil
TCLP NVE
Camp Hero

LL Sample # TL 9055444
LL Group # 1814762
Account # 19891

Project Name: Camp Hero

Collected: 06/16/2017 09:15

Submitted: 06/17/2017 05:45
Reported: 06/29/2017 15:10

AECOM
PO Box 5604
Glen Allen VA 23058-5604

ID1NV SDG#: APP41-02

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07046	Barium	SW-846 6010C	1	171771063602	06/27/2017 02:36	Jonathan Allen	1
07049	Cadmium	SW-846 6010C	1	171771063602	06/27/2017 02:36	Jonathan Allen	1
07051	Chromium	SW-846 6010C	1	171771063602	06/27/2017 02:36	Jonathan Allen	1
07055	Lead	SW-846 6010C	1	171771063602	06/27/2017 02:36	Jonathan Allen	1
07036	Selenium	SW-846 6010C	1	171771063602	06/27/2017 02:36	Jonathan Allen	1
07066	Silver	SW-846 6010C	1	171771063602	06/27/2017 02:36	Jonathan Allen	1
00259	Mercury	SW-846 7470A	1	171770571302	06/27/2017 09:12	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	171771063602	06/26/2017 15:45	JoElla L Rice	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	171770571302	06/26/2017 18:25	JoElla L Rice	1
00947	TCLP Non-volatile Extraction	SW-846 1311	1	17176-2807-947	06/25/2017 14:20	Nicholas W Shroyer	n.a.

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: IDW-ST061617-01 Soil
TCLP ZHE
Camp Hero

LL Sample # TL 9055445
LL Group # 1814762
Account # 19891

Project Name: Camp Hero

Collected: 06/16/2017 09:15

Submitted: 06/17/2017 05:45
Reported: 06/29/2017 15:10

AECOM
PO Box 5604
Glen Allen VA 23058-5604

ID1ZH SDG#: APP41-03

CAT No.	Analysis Name	CAS Number	Result	Detection Limit*	Limit of Detection	Limit of Quantitation	DF
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	ug/l	
11997	Benzene	71-43-2	< 20	10	20	20	20
11997	2-Butanone	78-93-3	< 160	60	160	200	20
11997	Carbon Tetrachloride	56-23-5	< 20	10	20	20	20
11997	Chlorobenzene	108-90-7	< 20	10	20	20	20
11997	Chloroform	67-66-3	< 20	10	20	20	20
11997	1,2-Dichloroethane	107-06-2	< 20	10	20	20	20
11997	1,1-Dichloroethene	75-35-4	< 20	10	20	20	20
11997	Tetrachloroethene	127-18-4	< 20	10	20	20	20
11997	Trichloroethene	79-01-6	< 20	10	20	20	20
11997	Vinyl Chloride	75-01-4	< 20	10	20	20	20

A Method Detection Limit (MDL) standard is analyzed to confirm sensitivity of the instrument for samples with non-detect analytes associated with a continuing calibration verification standard exhibiting low response (outside the 20%D criteria). The MDL standard shows adequate sensitivity at or below the reporting limit.

Sample Comments

State of New York Certification No. 10670

If the analysis is for determination of Hazardous Waste Characteristics, see Table 1 in EPA Code of Federal Regulations 40 CFR 261.24.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	TCLP VOCs 8260C	SW-846 8260C	1	L171771AA	06/26/2017 13:32	Linda C Pape	20
01163	GC/MS VOA Water Prep	SW-846 5030C	1	L171771AA	06/26/2017 13:32	Linda C Pape	20
00946	TCLP Zero Headspace Extraction	SW-846 1311	1	17170-12245-94 6	06/19/2017 14:43	Tanner E Grumbling	n.a.

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: IDW-ST061617-02 Soil
Camp Hero

LL Sample # SW 9055446
LL Group # 1814762
Account # 19891

Project Name: Camp Hero

Collected: 06/16/2017 09:20

Submitted: 06/17/2017 05:45
Reported: 06/29/2017 15:10

AECOM
PO Box 5604
Glen Allen VA 23058-5604

ID2AR SDG#: APP41-04

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Detection Limit*	Dry Limit of Detection	Dry Limit of Quantitation	DF
Wet Chemistry	**40 CFR 261.21**						
00542	Ignitability	n.a.	See Below	0	0	0	1
	The sample did not spontaneously ignite when exposed to air or water. The sample did not ignite by friction. The sample vapors did not ignite when exposed to a flame using a closed cup apparatus.						
	SW-846 9045D modified		**Std. Units**	**Std. Units**	**Std. Units**	**Std. Units**	
00394	pH	n.a.	8.22	0.0100	0.0100	0.0100	1
	The pH was measured in water at 20.3 C.						
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	**%**	**%**	
00111	Moisture	n.a.	15.7	0.50	0.50	0.50	1
	Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.						

Sample Comments

State of Florida Lab Certification No. E87997
State of New York Certification No. 10670

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00542	Ignitability	40 CFR 261.21	1	17171054202A	06/20/2017 19:50	Daniel S Smith	1
00394	pH	SW-846 9045D modified	1	17174039402B	06/23/2017 21:00	Luz M Groff	1
00111	Moisture	SM 2540 G-1997	1	17177820001A	06/26/2017 14:51	Larry E Bevins	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: IDW-ST061617-02 Soil
TCLP NVE
Camp Hero

LL Sample # TL 9055447
LL Group # 1814762
Account # 19891

Project Name: Camp Hero

Collected: 06/16/2017 09:20

Submitted: 06/17/2017 05:45
Reported: 06/29/2017 15:10

AECOM
PO Box 5604
Glen Allen VA 23058-5604

ID2NV SDG#: APP41-05

CAT No.	Analysis Name	CAS Number	Result	Detection Limit*	Limit of Detection	Limit of Quantitation	DF
GC/MS Semivolatiles	**SW-846 8270D**		**mg/l**	**mg/l**	**mg/l**	**mg/l**	
14252	1,4-Dichlorobenzene	106-46-7	< 0.005	0.003	0.005	0.005	1
14252	2,4-Dinitrotoluene	121-14-2	< 0.010	0.005	0.010	0.025	1
14252	Hexachlorobenzene	118-74-1	< 0.001	0.0005	0.001	0.003	1
14252	Hexachlorobutadiene	87-68-3	< 0.005	0.003	0.005	0.005	1
14252	Hexachloroethane	67-72-1	< 0.010	0.005	0.010	0.025	1
14252	2-Methylphenol	95-48-7	< 0.005	0.003	0.005	0.005	1
14252	4-Methylphenol	106-44-5	< 0.005	0.003	0.005	0.005	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
14252	Nitrobenzene	98-95-3	< 0.005	0.003	0.005	0.005	1
14252	Pentachlorophenol	87-86-5	< 0.010	0.005	0.010	0.025	1
14252	Pyridine	110-86-1	< 0.020	0.010	0.020	0.025	1
14252	2,4,5-Trichlorophenol	95-95-4	< 0.005	0.003	0.005	0.005	1
14252	2,4,6-Trichlorophenol	88-06-2	< 0.005	0.003	0.005	0.005	1
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	< 0.0200	0.0096	0.0200	0.0400	1
07046	Barium	7440-39-3	0.465	0.00085	0.0025	0.0100	1
07049	Cadmium	7440-43-9	< 0.0050	0.0018	0.0050	0.0100	1
07051	Chromium	7440-47-3	< 0.0075	0.0033	0.0075	0.0300	1
07055	Lead	7439-92-1	< 0.0150	0.0060	0.0150	0.0300	1
07036	Selenium	7782-49-2	0.0112 J	0.0093	0.0200	0.0400	1
07066	Silver	7440-22-4	< 0.0050	0.0024	0.0050	0.0100	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	< 0.00010	0.000050	0.00010	0.00020	1

Sample Comments

State of New York Certification No. 10670

If the analysis is for determination of Hazardous Waste Characteristics, see Table 1 in EPA Code of Federal Regulations 40 CFR 261.24.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14252	TCLP SVOCs 8270D	SW-846 8270D	1	17177WAU026	06/28/2017 03:00	Edward C Monborne	1
04731	TCLP Leachate Extraction	SW-846 3510C	1	17177WAU026	06/27/2017 08:00	Bradley W VanLeuven	1
07035	Arsenic	SW-846 6010C	1	171771063602	06/27/2017 02:57	Jonathan Allen	1

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: IDW-ST061617-02 Soil
TCLP NVE
Camp Hero

LL Sample # TL 9055447
LL Group # 1814762
Account # 19891

Project Name: Camp Hero

Collected: 06/16/2017 09:20

Submitted: 06/17/2017 05:45
Reported: 06/29/2017 15:10

AECOM
PO Box 5604
Glen Allen VA 23058-5604

ID2NV SDG#: APP41-05

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07046	Barium	SW-846 6010C	1	171771063602	06/27/2017 02:57	Jonathan Allen	1
07049	Cadmium	SW-846 6010C	1	171771063602	06/27/2017 02:57	Jonathan Allen	1
07051	Chromium	SW-846 6010C	1	171771063602	06/27/2017 02:57	Jonathan Allen	1
07055	Lead	SW-846 6010C	1	171771063602	06/27/2017 02:57	Jonathan Allen	1
07036	Selenium	SW-846 6010C	1	171771063602	06/27/2017 02:57	Jonathan Allen	1
07066	Silver	SW-846 6010C	1	171771063602	06/27/2017 02:57	Jonathan Allen	1
00259	Mercury	SW-846 7470A	1	171770571302	06/27/2017 08:57	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	171771063602	06/26/2017 15:45	JoElla L Rice	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	171770571302	06/26/2017 18:25	JoElla L Rice	1
00947	TCLP Non-volatile Extraction	SW-846 1311	1	17176-2807-947	06/25/2017 14:20	Nicholas W Shroyer	n.a.

*=This limit was used in the evaluation of the final result

REVISED

Sample Description: IDW-ST061617-02 Soil
TCLP ZHE
Camp Hero

LL Sample # TL 9055448
LL Group # 1814762
Account # 19891

Project Name: Camp Hero

Collected: 06/16/2017 09:20

Submitted: 06/17/2017 05:45
Reported: 06/29/2017 15:10

AECOM
PO Box 5604
Glen Allen VA 23058-5604

ID2ZH SDG#: APP41-06

CAT No.	Analysis Name	CAS Number	Result	Detection Limit*	Limit of Detection	Limit of Quantitation	DF
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	ug/l	
11997	Benzene	71-43-2	< 20	10	20	20	20
11997	2-Butanone	78-93-3	< 160	60	160	200	20
11997	Carbon Tetrachloride	56-23-5	< 20	10	20	20	20
11997	Chlorobenzene	108-90-7	< 20	10	20	20	20
11997	Chloroform	67-66-3	< 20	10	20	20	20
11997	1,2-Dichloroethane	107-06-2	< 20	10	20	20	20
11997	1,1-Dichloroethene	75-35-4	< 20	10	20	20	20
11997	Tetrachloroethene	127-18-4	< 20	10	20	20	20
11997	Trichloroethene	79-01-6	< 20	10	20	20	20
11997	Vinyl Chloride	75-01-4	< 20	10	20	20	20

A Method Detection Limit (MDL) standard is analyzed to confirm sensitivity of the instrument for samples with non-detect analytes associated with a continuing calibration verification standard exhibiting low response (outside the 20%D criteria). The MDL standard shows adequate sensitivity at or below the reporting limit.

Sample Comments

State of New York Certification No. 10670

If the analysis is for determination of Hazardous Waste Characteristics, see Table 1 in EPA Code of Federal Regulations 40 CFR 261.24.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	TCLP VOCs 8260C	SW-846 8260C	1	L171771AA	06/26/2017 13:54	Linda C Pape	20
01163	GC/MS VOA Water Prep	SW-846 5030C	1	L171771AA	06/26/2017 13:54	Linda C Pape	20
00946	TCLP Zero Headspace Extraction	SW-846 1311	1	17170-12245-94 6	06/19/2017 14:43	Tanner E Grumbling	n.a.

*=This limit was used in the evaluation of the final result

REVISED

Quality Control Summary

Client Name: AECOM
Reported: 06/29/2017 15:10

Group Number: 1814762

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result	DL**	LOD	LOQ
	ug/l	ug/l	ug/l	ug/l
Batch number: L171771AA	Sample number(s): 9055445,9055448			
Benzene	< 1	0.5	1	1
2-Butanone	< 8	3	8	10
Carbon Tetrachloride	< 1	0.5	1	1
Chlorobenzene	< 1	0.5	1	1
Chloroform	< 1	0.5	1	1
1,2-Dichloroethane	< 1	0.5	1	1
1,1-Dichloroethene	< 1	0.5	1	1
Tetrachloroethene	< 1	0.5	1	1
Trichloroethene	< 1	0.5	1	1
Vinyl Chloride	< 1	0.5	1	1
	mg/l	mg/l	mg/l	mg/l
Batch number: 17177WAU026	Sample number(s): 9055444,9055447			
1,4-Dichlorobenzene	< 0.005	0.003	0.005	0.005
2,4-Dinitrotoluene	< 0.010	0.005	0.010	0.025
Hexachlorobenzene	< 0.001	0.0005	0.001	0.003
Hexachlorobutadiene	< 0.005	0.003	0.005	0.005
Hexachloroethane	< 0.010	0.005	0.010	0.025
2-Methylphenol	< 0.005	0.003	0.005	0.005
4-Methylphenol	< 0.005	0.003	0.005	0.005
Nitrobenzene	< 0.005	0.003	0.005	0.005
Pentachlorophenol	< 0.010	0.005	0.010	0.025
Pyridine	< 0.020	0.010	0.020	0.025
2,4,5-Trichlorophenol	< 0.005	0.003	0.005	0.005
2,4,6-Trichlorophenol	< 0.005	0.003	0.005	0.005
Batch number: 171770571302	Sample number(s): 9055444,9055447			
Mercury	< 0.00010	0.000050	0.00010	0.00020
Batch number: 171771063602	Sample number(s): 9055444,9055447			
Arsenic	< 0.0200	0.0096	0.0200	0.0400
Barium	< 0.0025	0.00085	0.0025	0.0100
Cadmium	< 0.0050	0.0018	0.0050	0.0100
Chromium	< 0.0075	0.0033	0.0075	0.0300
Lead	< 0.0150	0.0060	0.0150	0.0300
Selenium	< 0.0200	0.0093	0.0200	0.0400
Silver	< 0.0050	0.0024	0.0050	0.0100

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.
(3) The surrogate spike amount was less than the LOD.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

REVISED

Quality Control Summary

Client Name: AECOM
Reported: 06/29/2017 15:10

Group Number: 1814762

LCS/LCSD

Analysis Name	LCS Spike Added	LCS Conc	LCSD Spike Added	LCSD Conc	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
	ug/l	ug/l	ug/l	ug/l					
Batch number: L171771AA	Sample number(s): 9055445,9055448								
Benzene	20	20.71			104		79-120		
2-Butanone	150	127.72			85		56-143		
Carbon Tetrachloride	20	22.7			113		72-136		
Chlorobenzene	20	21.94			110		82-118		
Chloroform	20	21.95			110		79-124		
1,2-Dichloroethane	20	23.13			116		73-128		
1,1-Dichloroethene	20	23.17			116		71-131		
Tetrachloroethene	20	23.57			118		74-129		
Trichloroethene	20	21.21			106		79-123		
Vinyl Chloride	20	17.11			86		58-137		
	mg/l	mg/l	mg/l	mg/l					
Batch number: 17177WAU026	Sample number(s): 9055444,9055447								
1,4-Dichlorobenzene	0.250	0.175	0.250	0.162	70	65	29-112	8	30
2,4-Dinitrotoluene	0.250	0.240	0.250	0.242	96	97	57-128	1	30
Hexachlorobenzene	0.250	0.236	0.250	0.223	94	89	53-125	5	30
Hexachlorobutadiene	0.250	0.200	0.250	0.171	80	68	22-124	16	30
Hexachloroethane	0.250	0.167	0.250	0.148	67	59	21-115	12	30
2-Methylphenol	0.250	0.202	0.250	0.195	81	78	30-117	3	30
4-Methylphenol	0.250	0.185	0.250	0.181	74	72	25-120	2	30
Nitrobenzene	0.250	0.243	0.250	0.237	97	95	45-121	3	30
Pentachlorophenol	0.250	0.262	0.250	0.257	105	103	35-138	2	30
Pyridine	0.250	0.116	0.250	0.109	46	44	19-68	5	30
2,4,5-Trichlorophenol	0.250	0.247	0.250	0.247	99	99	53-123	0	30
2,4,6-Trichlorophenol	0.250	0.250	0.250	0.248	100	99	50-125	1	30
	mg/l	mg/l	mg/l	mg/l					
Batch number: 171770571302	Sample number(s): 9055444,9055447								
Mercury	0.00100	0.000978			98		82-119		
Batch number: 171771063602	Sample number(s): 9055444,9055447								
Arsenic	0.150	0.179			119*		87-113		
Barium	2.00	1.88			94		88-113		
Cadmium	0.0500	0.0514			103		88-113		
Chromium	0.200	0.199			100		90-113		
Lead	0.150	0.140			93		86-113		
Selenium	0.150	0.169			112		83-114		
Silver	0.0500	0.0574			115		84-115		
	Std. Units	Std. Units	Std. Units	Std. Units					
Batch number: 17174039402B	Sample number(s): 9055443,9055446								
pH	7.00	6.97			100		95-105		
	%	%	%	%					
Batch number: 17177820001A	Sample number(s): 9055446								
Moisture	89.5	89.26			100		99-101		

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
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(3) The surrogate spike amount was less than the LOD.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

REVISED

Quality Control Summary

Client Name: AECOM
Reported: 06/29/2017 15:10

Group Number: 1814762

LCS/LCSD (continued)

Analysis Name	LCS Spike Added %	LCS Conc %	LCSD Spike Added %	LCSD Conc %	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 17179820001B	Sample number(s): 9055443								
Moisture	89.5	89.39			100		99-101		

MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: L171771AA	Sample number(s): 9055445,9055448 UNSPK: P051174									
Benzene	< 20	400	416.69	400	434.35	104	109	79-120	4	20
2-Butanone	< 160	3000	2288.14	3000	2407.88	76	80	56-143	5	20
Carbon Tetrachloride	< 20	400	475.56	400	492.91	119	123	72-136	4	20
Chlorobenzene	< 20	400	424.98	400	435.82	106	109	82-118	3	20
Chloroform	< 20	400	444.17	400	455.51	111	114	79-124	3	20
1,2-Dichloroethane	< 20	400	443.78	400	452.03	111	113	73-128	2	20
1,1-Dichloroethene	< 20	400	500.46	400	510.84	125	128	71-131	2	20
Tetrachloroethene	< 20	400	440.58	400	456.03	110	114	74-129	3	20
Trichloroethene	< 20	400	432.23	400	447.75	108	112	79-123	4	20
Vinyl Chloride	< 20	400	380.1	400	380.56	95	95	58-137	0	20
	mg/l	mg/l	mg/l	mg/l	mg/l					
Batch number: 171770571302	Sample number(s): 9055444,9055447 UNSPK: 9055447									
Mercury	< 0.00010	0.00100	0.000936	0.00100	0.000924	94	92	82-119	1	20
Batch number: 171771063602	Sample number(s): 9055444,9055447 UNSPK: 9055444									
Arsenic	< 0.0200	0.150	0.182	0.150	0.186	121*	124*	87-113	2	20
Barium	0.253	2.00	2.14	2.00	2.14	94	94	88-113	0	20
Cadmium	< 0.0050	0.0500	0.0512	0.0500	0.0506	102	101	88-113	1	20
Chromium	0.00335	0.200	0.197	0.200	0.196	97	96	90-113	1	20
Lead	< 0.0150	0.150	0.137	0.150	0.142	91	94	86-113	3	20
Selenium	< 0.0200	0.150	0.165	0.150	0.161	110	107	83-114	2	20
Silver	< 0.0050	0.0500	0.0605	0.0500	0.0598	121*	120*	84-115	1	20

Laboratory Duplicate

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc	DUP Conc	DUP RPD	DUP RPD Max

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.
(3) The surrogate spike amount was less than the LOD.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

REVISED

Quality Control Summary

Client Name: AECOM
Reported: 06/29/2017 15:10

Group Number: 1814762

Laboratory Duplicate

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc	DUP Conc	DUP RPD	DUP RPD Max
	mg/l	mg/l		
Batch number: 171770571302	Sample number(s): 9055444,9055447 BKG: 9055447			
Mercury	< 0.00010	< 0.00010	0 (1)	20
Batch number: 171771063602	Sample number(s): 9055444,9055447 BKG: 9055444			
Arsenic	< 0.0200	< 0.0200	0 (1)	20
Barium	0.253	0.259	3	20
Cadmium	< 0.0050	< 0.0050	0 (1)	20
Chromium	0.00335	< 0.0075	200* (1)	20
Lead	< 0.0150	< 0.0150	0 (1)	20
Selenium	< 0.0200	< 0.0200	0 (1)	20
Silver	< 0.0050	< 0.0050	0 (1)	20
	Std. Units	Std. Units		
Batch number: 17174039402B	Sample number(s): 9055443,9055446 BKG: P047109			
pH	4.96	4.91	1	3
	%	%		
Batch number: 17177820001A	Sample number(s): 9055446 BKG: P044026			
Moisture	44.91	53.87	18*	5
Batch number: 17179820001B	Sample number(s): 9055443 BKG: P048285			
Moisture	8.80	8.35	5	5

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: TCLP VOCs 8260C
Batch number: L171771AA

	Dibromofluoromethane %Rec	LOD (ug/l)	1,2-Dichloroethane-d4 %Rec	LOD (ug/l)	Toluene-d8 %Rec	LOD (ug/l)	4-Bromofluorobenzene %Rec	LOD (ug/l)
9055445	105	20	103	20	98	20	98	20
9055448	105	20	103	20	98	20	98	20
Blank	106	1	104	1	98	1	98	1
LCS	102	1	99	1	100	1	101	1
MS	105	20	102	20	99	20	100	20
MSD	104	20	104	20	99	20	100	20
Limits:	80-119		81-118		89-112		85-114	

Analysis Name: TCLP SVOCs 8270D
Batch number: 17177WAU026

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.
(3) The surrogate spike amount was less than the LOD.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

REVISED

Quality Control Summary

Client Name: AECOM
Reported: 06/29/2017 15:10

Group Number: 1814762

Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: TCLP SVOCs 8270D
Batch number: 17177WAU026

	Nitrobenzene-d5		2-Fluorobiphenyl		Terphenyl-d14		Phenol-d6		2-Fluorophenol		2,4,6-Tribromophenol	
	%Rec	LOD (mg/l)	%Rec	LOD (mg/l)	%Rec	LOD (mg/l)	%Rec	LOD (mg/l)	%Rec	LOD (mg/l)	%Rec	LOD (mg/l)
9055444	83	0.20	80	0.20	78	0.20	31	0.40	40	0.40	82	0.40
9055447	81	0.20	76	0.20	65	0.20	27	0.40	37	0.40	79	0.40
Blank	85	0.20	78	0.20	86	0.20	34	0.40	45	0.40	90	0.40
LCS	84	0.20	79	0.20	82	0.20	36	0.40	48	0.40	87	0.40
LCSD	82	0.20	78	0.20	81	0.20	35	0.40	46	0.40	89	0.40
Limits:	44-120		44-119		50-134		10-71		19-119		43-140	

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.
(3) The surrogate spike amount was less than the LOD.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

19891 1814762 9055443-48

Chain of Custody

AECOM
3101 Wilson Blvd Suite 900
Arlington, Virginia 22201
Phone No. (703) 682-4900; Fax No. (703) 682-4901

AECOM

Laboratory	Project Name
Eurofins Lancaster Laboratories Environmental, LLC (ELLE)	**Camp Hero**
Address	**Point of Contact / Phone No.**
2425 New Holland Pike	**Devon Chicoine (703) 682-9069**
City / **State** / **Zip Code**	**Site Contact / Phone No.**
Lancaster / **PA** / **17601**	**Amanda Martin (434) 664-8047**

Chain of Custody: 061617-01
Batch May17

Analysis: VOCs (8260C); % Moisture; SVOCs (8270C/D)/PAHs (8270C/D SIM); Metals (6010C)/Mercury (7471b); Hex Chromium (7119)/pH/ORP; PCBs (8280A); TOC (9060A); TCLP; TCLP VOC

Database Information					Other Sample Information						Analysis										Comment
LOCID	SBD	SED	SA Code	Samp No	Sample I.D.	Date	Time	Matrix	No. of Con.	Cooler No.	VOCs (8260C)	% Moisture	SVOCs (8270C/D)/PAHs (8270C/D SIM	Metals (6010C)/Mercury (7471b)	Hex Chromium (7119)/pH/ORP	PCBs (8280A)	TOC (9060A)	TCLP	TCLP VOC		
IDW	—	—	U	1	IDW-ST061617-01	6.16.17		SO	3									2	1		
IDW	—	—	U	1	IDW-ST061617-02	6.16.17		SO	3									2	1		

6/16/17

1. Relinquished By / Company: AECOM	Date: 6/16/17	Time: 1014	1. Received By / Company:	Date: 6-16-17	Time: 1014
2. Relinquished By / Company:	Date: 6/16/17	Time: 1400	2. Received By / Company:	Date: 6/16/17	Time: 1400
3. Relinquished By / Company:	Date: 6/16/17	Time:	3. Received By / Company:	Date: 6/16/17	Time: 1785
Comments:				Shipment Method/Airbill No: 6/17/17 5:45	

DISTRIBUTION: WHITE - Stays with sample; CANARY - Returned to Client with Report; PINK - Field Copy

SOIL SAMPLES

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eurofins
Lancaster Laboratories Environmental

Sample Administration Receipt Documentation Log

Doc Log ID: 186630

Group Number(s): 1814762

Client: AECOM

Delivery and Receipt Information

Delivery Method:	EQCL Drop Off	Arrival Timestamp:	06/17/2017 5:45
Number of Packages:	13	Number of Projects:	10
State/Province of Origin:	PA		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	N/A
Samples Chilled:	Yes	Total Trip Blank Qty:	0
Paperwork Enclosed:	Yes	Air Quality Samples Present:	No
Samples Intact:	Yes		
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Anthony Pelliccione (24907) at 09:09 on 06/17/2017

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT42-02	1.4	DT	Wet	Y	Bagged	N
2	DT42-02	1.1	DT	Wet	Y	Bagged	N
3	DT42-02	1.4	DT	Wet	Y	Bagged	N
4	DT42-02	1.3	DT	Wet	Y	Bagged	N
5	DT42-02	2.2	DT	Wet	Y	Bagged	N
6	DT42-02	1.4	DT	Wet	Y	Bagged	N
7	DT42-02	1.9	DT	Wet	Y	Bagged	N
8	DT42-02	1.2	DT	Wet	Y	Bagged	N
9	DT42-02	2.2	DT	Wet	Y	Bagged	N
10	DT42-02	0.9	DT	Wet	Y	Bagged	N
11	DT42-02	1.8	DT	Wet	Y	Bagged	N
12	DT42-02	5.3	DT	Wet	Y	Bagged	N
13	DT42-02	1.0	DT	Wet	Y	Bagged	N

2425 New Holland Pike
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Client: AECOM

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Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	**mg**	milligram(s)
C	degrees Celsius	**mL**	milliliter(s)
cfu	colony forming units	**MPN**	Most Probable Number
CP Units	cobalt-chloroplatinate units	**N.D.**	none detected
F	degrees Fahrenheit	**ng**	nanogram(s)
g	gram(s)	**NTU**	nephelometric turbidity units
IU	International Units	**pg/L**	picogram/liter
kg	kilogram(s)	**RL**	Reporting Limit
L	liter(s)	**TNTC**	Too Numerous To Count
lb.	pound(s)	**µg**	microgram(s)
m3	cubic meter(s)	**µL**	microliter(s)
meq	milliequivalents	**umhos/cm**	micromhos/cm

<	less than
>	greater than
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.
ppb	parts per billion
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Laboratory Data Qualifiers:

C - Result confirmed by reanalysis
E - Concentration exceeds the calibration range
J (or G, I, X) - estimated value ≥ the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
P - Concentration difference between the primary and confirmation column >40%. The lower result is reported.
U - Analyte was not detected at the value indicated
V - Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference…
W - The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.
Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as “analyze immediately” are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

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Analysis Report

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

AECOM
PO Box 5604
Glen Allen VA 23058-5604

Report Date: July 07, 2017

Project: Camp Hero

Submittal Date: 06/29/2017
Group Number: 1819546
SDG: APP63
PO Number: 84902
State of Sample Origin: NY

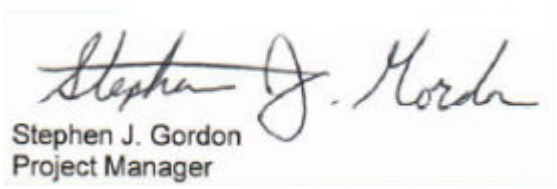
Client Sample Description	Lancaster Labs (LL) #
IDW-WW062717-01 Grab Water	9077888
IDW-WW062717-01 Grab Water	9077889
IDW-WW062717-01 Grab Water	9077890
IDW-WW062717-02 Grab Water	9077891
IDW-WW062717-02 Grab Water	9077892
IDW-WW062717-02 Grab Water	9077893
TB-IDW062717 Water	9077894

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our current scopes of accreditation can be viewed at http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/ . To request copies of prior scopes of accreditation, contact your project manager.

Electronic Copy To	AECOM	Attn: Devon Chicoine
Electronic Copy To	AECOM	Attn: Debbie Masonheimer

Respectfully Submitted,



Stephen J. Gordon
Project Manager

(724) 597-2027

Project Name: Camp Hero
LL Group #: 1819546

General Comments:

All analyses have been performed in accordance with DOD QSM Version 5.0 unless otherwise noted below.

See the Laboratory Sample Analysis Record section of the Analysis Report for the method references.

All QC met criteria unless otherwise noted in an Analysis Specific Comment below. Refer to the QC Summary for specific values and acceptance criteria.

Project specific QC samples are not included in this data set

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Surrogate recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in an Analysis Specific Comment below.

The samples were received at the appropriate temperature and in accordance with the chain of custody unless otherwise noted.

Analysis Specific Comments:

SW-846 8260C, GC/MS Volatiles

Sample #s: 9077890

Reporting limits were raised due to sample foaming.

SW-846 8270D, GC/MS Semivolatiles

Batch #: 17181WAL026 (Sample number(s): 9077889)

The relative percent difference(s) for the following analyte(s) in the LCS/LCSD were outside acceptance windows: Pentachlorophenol. When the individual % recovery is within the acceptance limits, the data is reported.

SW-846 6010C, Metals

Batch #: 171811063603 (Sample number(s): 9077889, 9077892 UNSPK: 9077892 BKG: 9077892)

The recovery(ies) for the following analyte(s) in the MS and/or MSD exceeded the acceptance window indicating a positive bias: Silver

SW-846 1010A, Wet Chemistry

Sample #s: 9077891

No flash observed below 184F.
Test flame extinguished at 164F.
Flash point was determined using Pensky Martens closed cup apparatus.

Sample #s: 9077888

No flash observed below 185F.

Test flame extinguished at 165F.
Flash point was determined using Pensky Martens closed cup apparatus.

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Analysis Report

Sample Description: IDW-WW062717-01 Grab Water
Camp Hero

LL Sample # WW 9077888
LL Group # 1819546
Account # 19891

Project Name: Camp Hero

Collected: 06/27/2017 10:00 by RP

Submitted: 06/29/2017 05:50
Reported: 07/07/2017 14:35

AECOM
PO Box 5604
Glen Allen VA 23058-5604

CHID1 SDG#: APP63-01

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Detection Limit*	Dry Limit of Detection	Dry Limit of Quantitation	DF
Wet Chemistry	**EPA 170.1**		**Degrees C**	**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH	n.a.	22.4	0.010	0.010	0.010	1
	SM 4500-H+ B-2000		**Std. Units**	**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH	n.a.	7.5	0.010	0.010	0.010	1
	SW-846 1010A		**Degrees F**	**Degrees F**	**Degrees F**	**Degrees F**	
00430	Flash Point	n.a.	No Flash Observed	50	50	50	1

No flash observed below 185F.
Test flame extinguished at 165F.
Flash point was determined using Pensky Martens closed cup apparatus.

Sample Comments

State of Florida Lab Certification No. E87997
State of New York Certification No. 10670

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12151	Temperature of pH	EPA 170.1	1	17186003101A	07/05/2017 15:12	Ian D Toomey	1
12152	pH	SM 4500-H+ B-2000	1	17186003101A	07/05/2017 15:12	Ian D Toomey	1
00430	Flash Point	SW-846 1010A	1	17187043001A	07/06/2017 08:15	Susan A Engle	1

*=This limit was used in the evaluation of the final result

Sample Description: IDW-WW062717-01 Grab Water
TCLP NVE
Camp Hero

LL Sample # TL 9077889
LL Group # 1819546
Account # 19891

Project Name: Camp Hero

Collected: 06/27/2017 10:00 by RP

Submitted: 06/29/2017 05:50
Reported: 07/07/2017 14:35

AECOM
PO Box 5604
Glen Allen VA 23058-5604

CHI1N SDG#: APP63-02

CAT No.	Analysis Name	CAS Number	Result	Detection Limit*	Limit of Detection	Limit of Quantitation	DF
GC/MS Semivolatiles	**SW-846 8270D**		**mg/l**	**mg/l**	**mg/l**	**mg/l**	
14252	1,4-Dichlorobenzene	106-46-7	< 0.005	0.003	0.005	0.005	1
14252	2,4-Dinitrotoluene	121-14-2	< 0.010	0.005	0.010	0.025	1
14252	Hexachlorobenzene	118-74-1	< 0.001	0.0005	0.001	0.003	1
14252	Hexachlorobutadiene	87-68-3	< 0.005	0.003	0.005	0.005	1
14252	Hexachloroethane	67-72-1	< 0.010	0.005	0.010	0.025	1
14252	2-Methylphenol	95-48-7	< 0.005	0.003	0.005	0.005	1
14252	4-Methylphenol	106-44-5	< 0.005	0.003	0.005	0.005	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
14252	Nitrobenzene	98-95-3	< 0.005	0.003	0.005	0.005	1
14252	Pentachlorophenol	87-86-5	< 0.010	0.005	0.010	0.025	1
14252	Pyridine	110-86-1	< 0.020	0.010	0.020	0.025	1
14252	2,4,5-Trichlorophenol	95-95-4	< 0.005	0.003	0.005	0.005	1
14252	2,4,6-Trichlorophenol	88-06-2	< 0.005	0.003	0.005	0.005	1
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	< 0.0200	0.0096	0.0200	0.0400	1
07046	Barium	7440-39-3	0.0765	0.00085	0.0025	0.0100	1
07049	Cadmium	7440-43-9	< 0.0050	0.0018	0.0050	0.0100	1
07051	Chromium	7440-47-3	0.010 J	0.0033	0.0075	0.0300	1
07055	Lead	7439-92-1	0.0159 J	0.0060	0.0150	0.0300	1
07036	Selenium	7782-49-2	< 0.0200	0.0093	0.0200	0.0400	1
07066	Silver	7440-22-4	< 0.0050	0.0024	0.0050	0.0100	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	< 0.00010	0.000050	0.00010	0.00020	1

Sample Comments

State of New York Certification No. 10670

If the analysis is for determination of Hazardous Waste Characteristics, see Table 1 in EPA Code of Federal Regulations 40 CFR 261.24.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14252	TCLP SVOCs 8270D	SW-846 8270D	1	17181WAL026	07/06/2017 12:34	Kira N Klaassen	1
04731	TCLP Leachate Extraction	SW-846 3510C	1	17181WAL026	07/01/2017 07:00	Bradley W VanLeuven	1
07035	Arsenic	SW-846 6010C	1	171811063603	07/03/2017 13:43	Suzanne M Will	1

*=This limit was used in the evaluation of the final result

Sample Description: IDW-WW062717-01 Grab Water
TCLP NVE
Camp Hero

LL Sample # TL 9077889
LL Group # 1819546
Account # 19891

Project Name: Camp Hero

Collected: 06/27/2017 10:00 by RP

Submitted: 06/29/2017 05:50
Reported: 07/07/2017 14:35

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Glen Allen VA 23058-5604

CHI1N SDG#: APP63-02

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07046	Barium	SW-846 6010C	1	171811063603	07/03/2017 13:43	Suzanne M Will	1
07049	Cadmium	SW-846 6010C	1	171811063603	07/03/2017 13:43	Suzanne M Will	1
07051	Chromium	SW-846 6010C	1	171811063603	07/03/2017 13:43	Suzanne M Will	1
07055	Lead	SW-846 6010C	1	171811063603	07/03/2017 13:43	Suzanne M Will	1
07036	Selenium	SW-846 6010C	1	171811063603	07/03/2017 13:43	Suzanne M Will	1
07066	Silver	SW-846 6010C	1	171811063603	07/03/2017 13:43	Suzanne M Will	1
00259	Mercury	SW-846 7470A	1	171810571306	07/03/2017 09:24	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	171811063603	07/02/2017 22:00	Annamaria Kuhns	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	171810571306	07/03/2017 01:00	Annamaria Kuhns	1
01339	Leachate Filtration	SW-846 1311	1	17181-9169-1339	06/30/2017 12:00	Craig S Pfautz	n.a.

*=This limit was used in the evaluation of the final result

Sample Description: IDW-WW062717-01 Grab Water
TCLP ZHE
Camp Hero

LL Sample # TL 9077890
LL Group # 1819546
Account # 19891

Project Name: Camp Hero

Collected: 06/27/2017 10:00 by RP

Submitted: 06/29/2017 05:50
Reported: 07/07/2017 14:35

AECOM
PO Box 5604
Glen Allen VA 23058-5604

CHI1Z SDG#: APP63-03

CAT No.	Analysis Name	CAS Number	Result	Detection Limit*	Limit of Detection	Limit of Quantitation	DF
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	ug/l	
11997	Benzene	71-43-2	< 5	3	5	5	5
11997	2-Butanone	78-93-3	< 40	15	40	50	5
11997	Carbon Tetrachloride	56-23-5	< 5	3	5	5	5
11997	Chlorobenzene	108-90-7	< 5	3	5	5	5
11997	Chloroform	67-66-3	< 5	3	5	5	5
11997	1,2-Dichloroethane	107-06-2	< 5	3	5	5	5
11997	1,1-Dichloroethene	75-35-4	< 5	3	5	5	5
11997	Tetrachloroethene	127-18-4	< 5	3	5	5	5
11997	Trichloroethene	79-01-6	< 5	3	5	5	5
11997	Vinyl Chloride	75-01-4	< 5	3	5	5	5

Reporting limits were raised due to sample foaming.

Sample Comments

State of New York Certification No. 10670

If the analysis is for determination of Hazardous Waste Characteristics, see Table 1 in EPA Code of Federal Regulations 40 CFR 261.24.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	TCLP VOCs 8260C	SW-846 8260C	1	L171841AA	07/03/2017 10:06	Anita M Dale	5
01163	GC/MS VOA Water Prep	SW-846 5030C	1	L171841AA	07/03/2017 10:06	Anita M Dale	5
01339	Leachate Filtration	SW-846 1311	1	17181-12245-13 39	06/30/2017 11:30	Tanner E Grumbling	n.a.

*=This limit was used in the evaluation of the final result

Sample Description: IDW-WW062717-02 Grab Water
Camp Hero

LL Sample # WW 9077891
LL Group # 1819546
Account # 19891

Project Name: Camp Hero

Collected: 06/27/2017 10:35 by RP

Submitted: 06/29/2017 05:50
Reported: 07/07/2017 14:35

AECOM
PO Box 5604
Glen Allen VA 23058-5604

CHID2 SDG#: APP63-04

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Detection Limit*	Dry Limit of Detection	Dry Limit of Quantitation	DF
Wet Chemistry	**EPA 170.1**		**Degrees C**	**Degrees C**	**Degrees C**	**Degrees C**	
12151	Temperature of pH	n.a.	23.8	0.010	0.010	0.010	1
	SM 4500-H+ B-2000		**Std. Units**	**Std. Units**	**Std. Units**	**Std. Units**	
12152	pH	n.a.	6.8	0.010	0.010	0.010	1
	SW-846 1010A		**Degrees F**	**Degrees F**	**Degrees F**	**Degrees F**	
00430	Flash Point	n.a.	No Flash Observed	50	50	50	1

No flash observed below 184F.
Test flame extinguished at 164F.
Flash point was determined using Pensky Martens closed cup apparatus.

Sample Comments

State of Florida Lab Certification No. E87997
State of New York Certification No. 10670

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12151	Temperature of pH	EPA 170.1	1	17186003102A	07/05/2017 17:00	Ian D Toomey	1
12152	pH	SM 4500-H+ B-2000	1	17186003102A	07/05/2017 17:00	Ian D Toomey	1
00430	Flash Point	SW-846 1010A	1	17187043001A	07/06/2017 08:15	Susan A Engle	1

*=This limit was used in the evaluation of the final result

Sample Description: IDW-WW062717-02 Grab Water
TCLP NVE
Camp Hero

LL Sample # TL 9077892
LL Group # 1819546
Account # 19891

Project Name: Camp Hero

Collected: 06/27/2017 10:35 by RP

Submitted: 06/29/2017 05:50
Reported: 07/07/2017 14:35

AECOM
PO Box 5604
Glen Allen VA 23058-5604

CHI2N SDG#: APP63-05

CAT No.	Analysis Name	CAS Number	Result	Detection Limit*	Limit of Detection	Limit of Quantitation	DF
GC/MS Semivolatiles	**SW-846 8270D**		**mg/l**	**mg/l**	**mg/l**	**mg/l**	
14252	1,4-Dichlorobenzene	106-46-7	< 0.005	0.003	0.005	0.005	1
14252	2,4-Dinitrotoluene	121-14-2	< 0.010	0.005	0.010	0.025	1
14252	Hexachlorobenzene	118-74-1	< 0.001	0.0005	0.001	0.003	1
14252	Hexachlorobutadiene	87-68-3	< 0.005	0.003	0.005	0.005	1
14252	Hexachloroethane	67-72-1	< 0.010	0.005	0.010	0.025	1
14252	2-Methylphenol	95-48-7	< 0.005	0.003	0.005	0.005	1
14252	4-Methylphenol	106-44-5	< 0.005	0.003	0.005	0.005	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.						
14252	Nitrobenzene	98-95-3	< 0.005	0.003	0.005	0.005	1
14252	Pentachlorophenol	87-86-5	< 0.010	0.005	0.010	0.025	1
14252	Pyridine	110-86-1	< 0.020	0.010	0.020	0.025	1
14252	2,4,5-Trichlorophenol	95-95-4	< 0.005	0.003	0.005	0.005	1
14252	2,4,6-Trichlorophenol	88-06-2	< 0.005	0.003	0.005	0.005	1
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	**mg/l**	
07035	Arsenic	7440-38-2	< 0.0200	0.0096	0.0200	0.0400	1
07046	Barium	7440-39-3	0.176	0.00085	0.0025	0.0100	1
07049	Cadmium	7440-43-9	< 0.0050	0.0018	0.0050	0.0100	1
07051	Chromium	7440-47-3	< 0.0075	0.0033	0.0075	0.0300	1
07055	Lead	7439-92-1	< 0.0150	0.0060	0.0150	0.0300	1
07036	Selenium	7782-49-2	< 0.0200	0.0093	0.0200	0.0400	1
07066	Silver	7440-22-4	< 0.0050	0.0024	0.0050	0.0100	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	< 0.00010	0.000050	0.00010	0.00020	1

Sample Comments

State of New York Certification No. 10670

If the analysis is for determination of Hazardous Waste Characteristics, see Table 1 in EPA Code of Federal Regulations 40 CFR 261.24.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14252	TCLP SVOCs 8270D	SW-846 8270D	1	17184WAG026	07/06/2017 12:06	Kira N Klaassen	1
04731	TCLP Leachate Extraction	SW-846 3510C	1	17184WAG026	07/03/2017 16:20	Kate E Lutte	1
07035	Arsenic	SW-846 6010C	1	171811063603	07/03/2017 13:25	Suzanne M Will	1

*=This limit was used in the evaluation of the final result

Sample Description: IDW-WW062717-02 Grab Water
TCLP NVE
Camp Hero

LL Sample # TL 9077892
LL Group # 1819546
Account # 19891

Project Name: Camp Hero

Collected: 06/27/2017 10:35 by RP

Submitted: 06/29/2017 05:50
Reported: 07/07/2017 14:35

AECOM
PO Box 5604
Glen Allen VA 23058-5604

CHI2N SDG#: APP63-05

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07046	Barium	SW-846 6010C	1	171811063603	07/03/2017 13:25	Suzanne M Will	1
07049	Cadmium	SW-846 6010C	1	171811063603	07/03/2017 13:25	Suzanne M Will	1
07051	Chromium	SW-846 6010C	1	171811063603	07/03/2017 13:25	Suzanne M Will	1
07055	Lead	SW-846 6010C	1	171811063603	07/03/2017 13:25	Suzanne M Will	1
07036	Selenium	SW-846 6010C	1	171811063603	07/03/2017 13:25	Suzanne M Will	1
07066	Silver	SW-846 6010C	1	171811063603	07/03/2017 13:25	Suzanne M Will	1
00259	Mercury	SW-846 7470A	1	171810571306	07/03/2017 09:40	Damary Valentin	1
10636	ICP-WW/TL, 3010A (tot) - U4	SW-846 3010A	1	171811063603	07/02/2017 22:00	Annamaria Kuhns	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	171810571306	07/03/2017 01:00	Annamaria Kuhns	1
01339	Leachate Filtration	SW-846 1311	1	17181-9169-1339	06/30/2017 12:00	Craig S Pfautz	n.a.

*=This limit was used in the evaluation of the final result

Sample Description: IDW-WW062717-02 Grab Water
TCLP ZHE
Camp Hero

LL Sample # TL 9077893
LL Group # 1819546
Account # 19891

Project Name: Camp Hero

Collected: 06/27/2017 10:35 by RP

Submitted: 06/29/2017 05:50
Reported: 07/07/2017 14:35

AECOM
PO Box 5604
Glen Allen VA 23058-5604

CHI2Z SDG#: APP63-06

CAT No.	Analysis Name	CAS Number	Result	Detection Limit*	Limit of Detection	Limit of Quantitation	DF
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	ug/l	
11997	Benzene	71-43-2	< 1	0.5	1	1	1
11997	2-Butanone	78-93-3	< 8	3	8	10	1
11997	Carbon Tetrachloride	56-23-5	< 1	0.5	1	1	1
11997	Chlorobenzene	108-90-7	< 1	0.5	1	1	1
11997	Chloroform	67-66-3	< 1	0.5	1	1	1
11997	1,2-Dichloroethane	107-06-2	< 1	0.5	1	1	1
11997	1,1-Dichloroethene	75-35-4	< 1	0.5	1	1	1
11997	Tetrachloroethene	127-18-4	2	0.5	1	1	1
11997	Trichloroethene	79-01-6	< 1	0.5	1	1	1
11997	Vinyl Chloride	75-01-4	< 1	0.5	1	1	1

Sample Comments

State of New York Certification No. 10670

If the analysis is for determination of Hazardous Waste Characteristics, see Table 1 in EPA Code of Federal Regulations 40 CFR 261.24.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	TCLP VOCs 8260C	SW-846 8260C	1	L171841AA	07/03/2017 10:28	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	L171841AA	07/03/2017 10:28	Anita M Dale	1
01339	Leachate Filtration	SW-846 1311	1	17181-12245-13 39	06/30/2017 11:30	Tanner E Grumbling	n.a.

*=This limit was used in the evaluation of the final result

Sample Description: TB-IDW062717 Water
Camp Hero

LL Sample # WW 9077894
LL Group # 1819546
Account # 19891

Project Name: Camp Hero

Collected: 06/27/2017 09:15

Submitted: 06/29/2017 05:50
Reported: 07/07/2017 14:35

AECOM
PO Box 5604
Glen Allen VA 23058-5604

CHITB SDG#: APP63-07

CAT No.	Analysis Name	CAS Number	Result	Detection Limit*	Limit of Detection	Limit of Quantitation	DF
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	ug/l	
11997	Benzene	71-43-2	< 1	0.5	1	1	1
11997	2-Butanone	78-93-3	< 8	3	8	10	1
11997	Carbon Tetrachloride	56-23-5	< 1	0.5	1	1	1
11997	Chlorobenzene	108-90-7	< 1	0.5	1	1	1
11997	Chloroform	67-66-3	< 1	0.5	1	1	1
11997	1,2-Dichloroethane	107-06-2	< 1	0.5	1	1	1
11997	1,1-Dichloroethene	75-35-4	< 1	0.5	1	1	1
11997	Tetrachloroethene	127-18-4	< 1	0.5	1	1	1
11997	Trichloroethene	79-01-6	< 1	0.5	1	1	1
11997	Vinyl Chloride	75-01-4	< 1	0.5	1	1	1

Sample Comments

State of New York Certification No. 10670
State of New York Certification No. 10670

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	TCLP VOCs 8260C	SW-846 8260C	1	L171841AA	07/03/2017 08:54	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	L171841AA	07/03/2017 08:54	Anita M Dale	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: AECOM
Reported: 07/07/2017 14:35

Group Number: 1819546

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result	DL**	LOD	LOQ
	ug/l	ug/l	ug/l	ug/l
Batch number: L171841AA	Sample number(s): 9077890,9077893-9077894			
Benzene	< 1	0.5	1	1
2-Butanone	< 8	3	8	10
Carbon Tetrachloride	< 1	0.5	1	1
Chlorobenzene	< 1	0.5	1	1
Chloroform	< 1	0.5	1	1
1,2-Dichloroethane	< 1	0.5	1	1
1,1-Dichloroethene	< 1	0.5	1	1
Tetrachloroethene	< 1	0.5	1	1
Trichloroethene	< 1	0.5	1	1
Vinyl Chloride	< 1	0.5	1	1
	mg/l	mg/l	mg/l	mg/l
Batch number: 17181WAL026	Sample number(s): 9077889			
1,4-Dichlorobenzene	< 0.005	0.003	0.005	0.005
2,4-Dinitrotoluene	< 0.010	0.005	0.010	0.025
Hexachlorobenzene	< 0.001	0.0005	0.001	0.003
Hexachlorobutadiene	< 0.005	0.003	0.005	0.005
Hexachloroethane	< 0.010	0.005	0.010	0.025
2-Methylphenol	< 0.005	0.003	0.005	0.005
4-Methylphenol	< 0.005	0.003	0.005	0.005
Nitrobenzene	< 0.005	0.003	0.005	0.005
Pentachlorophenol	< 0.010	0.005	0.010	0.025
Pyridine	< 0.020	0.010	0.020	0.025
2,4,5-Trichlorophenol	< 0.005	0.003	0.005	0.005
2,4,6-Trichlorophenol	< 0.005	0.003	0.005	0.005
Batch number: 17184WAG026	Sample number(s): 9077892			
1,4-Dichlorobenzene	< 0.005	0.003	0.005	0.005
2,4-Dinitrotoluene	< 0.010	0.005	0.010	0.025
Hexachlorobenzene	< 0.001	0.0005	0.001	0.003
Hexachlorobutadiene	< 0.005	0.003	0.005	0.005
Hexachloroethane	< 0.010	0.005	0.010	0.025
2-Methylphenol	< 0.005	0.003	0.005	0.005
4-Methylphenol	< 0.005	0.003	0.005	0.005
Nitrobenzene	< 0.005	0.003	0.005	0.005
Pentachlorophenol	< 0.010	0.005	0.010	0.025
Pyridine	< 0.020	0.010	0.020	0.025
2,4,5-Trichlorophenol	< 0.005	0.003	0.005	0.005
2,4,6-Trichlorophenol	< 0.005	0.003	0.005	0.005
Batch number: 171810571306	Sample number(s): 9077889,9077892			

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.
(3) The surrogate spike amount was less than the LOD.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: AECOM
Reported: 07/07/2017 14:35

Group Number: 1819546

Method Blank (continued)

Analysis Name	Result	DL**	LOD	LOQ
	mg/l	mg/l	mg/l	mg/l
Mercury	< 0.00010	0.000050	0.00010	0.00020
Batch number: 171811063603	Sample number(s): 9077889,9077892			
Arsenic	< 0.0200	0.0096	0.0200	0.0400
Barium	< 0.0025	0.00085	0.0025	0.0100
Cadmium	< 0.0050	0.0018	0.0050	0.0100
Chromium	< 0.0075	0.0033	0.0075	0.0300
Lead	< 0.0150	0.0060	0.0150	0.0300
Selenium	< 0.0200	0.0093	0.0200	0.0400
Silver	< 0.0050	0.0024	0.0050	0.0100

LCS/LCSD

Analysis Name	LCS Spike Added	LCS Conc	LCSD Spike Added	LCSD Conc	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
	ug/l	ug/l	ug/l	ug/l					
Batch number: L171841AA	Sample number(s): 9077890,9077893-9077894								
Benzene	20	21.05	20	21.12	105	106	79-120	0	20
2-Butanone	150	133.1	150	134.42	89	90	56-143	1	20
Carbon Tetrachloride	20	19.72	20	19.78	99	99	72-136	0	20
Chlorobenzene	20	21.06	20	21.14	105	106	82-118	0	20
Chloroform	20	20.62	20	20.65	103	103	79-124	0	20
1,2-Dichloroethane	20	20.22	20	20.27	101	101	73-128	0	20
1,1-Dichloroethene	20	23.24	20	23	116	115	71-131	1	20
Tetrachloroethene	20	20.48	20	20.6	102	103	74-129	1	20
Trichloroethene	20	20.34	20	20.5	102	103	79-123	1	20
Vinyl Chloride	20	18.64	20	18.94	93	95	58-137	2	20
	mg/l	mg/l	mg/l	mg/l					
Batch number: 17181WAL026	Sample number(s): 9077889								
1,4-Dichlorobenzene	0.250	0.182	0.250	0.153	73	61	29-112	17	30
2,4-Dinitrotoluene	0.250	0.229	0.250	0.216	92	86	57-128	6	30
Hexachlorobenzene	0.250	0.234	0.250	0.217	94	87	53-125	8	30
Hexachlorobutadiene	0.250	0.179	0.250	0.158	72	63	22-124	13	30
Hexachloroethane	0.250	0.162	0.250	0.138	65	55	21-115	16	30
2-Methylphenol	0.250	0.191	0.250	0.165	76	66	30-117	15	30
4-Methylphenol	0.250	0.180	0.250	0.149	72	60	25-120	18	30
Nitrobenzene	0.250	0.214	0.250	0.195	86	78	45-121	9	30
Pentachlorophenol	0.250	0.222	0.250	0.137	89	55	35-138	48*	30
Pyridine	0.250	0.131	0.250	0.104	52	42	19-68	22	30
2,4,5-Trichlorophenol	0.250	0.241	0.250	0.223	96	89	53-123	8	30
2,4,6-Trichlorophenol	0.250	0.249	0.250	0.205	99	82	50-125	19	30
Batch number: 17184WAG026	Sample number(s): 9077892								
1,4-Dichlorobenzene	0.250	0.155	0.250	0.153	62	61	29-112	1	30
2,4-Dinitrotoluene	0.250	0.226	0.250	0.232	90	93	57-128	3	30

*- Outside of specification
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(2) The unspiked result was more than four times the spike added.
(3) The surrogate spike amount was less than the LOD.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: AECOM
Reported: 07/07/2017 14:35

Group Number: 1819546

LCS/LCSD (continued)

Analysis Name	LCS Spike Added	LCS Conc	LCSD Spike Added	LCSD Conc	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
	mg/l	mg/l	mg/l	mg/l					
Hexachlorobenzene	0.250	0.229	0.250	0.230	91	92	53-125	0	30
Hexachlorobutadiene	0.250	0.144	0.250	0.141	58	56	22-124	2	30
Hexachloroethane	0.250	0.136	0.250	0.132	54	53	21-115	2	30
2-Methylphenol	0.250	0.203	0.250	0.206	81	82	30-117	1	30
4-Methylphenol	0.250	0.190	0.250	0.188	76	75	25-120	1	30
Nitrobenzene	0.250	0.213	0.250	0.214	85	86	45-121	0	30
Pentachlorophenol	0.250	0.225	0.250	0.236	90	95	35-138	5	30
Pyridine	0.250	0.129	0.250	0.129	52	51	19-68	1	30
2,4,5-Trichlorophenol	0.250	0.242	0.250	0.239	97	95	53-123	1	30
2,4,6-Trichlorophenol	0.250	0.250	0.250	0.246	100	98	50-125	2	30
	mg/l	mg/l	mg/l	mg/l					
Batch number: 171810571306	Sample number(s): 9077889,9077892								
Mercury	0.00100	0.00106			106		82-119		
Batch number: 171811063603	Sample number(s): 9077889,9077892								
Arsenic	0.150	0.161			107		87-113		
Barium	2.00	2.05			102		88-113		
Cadmium	0.0500	0.0526			105		88-113		
Chromium	0.200	0.204			102		90-113		
Lead	0.150	0.155			103		86-113		
Selenium	0.150	0.149			100		83-114		
Silver	0.0500	0.0566			113		84-115		
	Degrees F	Degrees F	Degrees F	Degrees F					
Batch number: 17187043001A	Sample number(s): 9077888,9077891								
Flash Point	81	81.06	81	82.06	100	101	97-103	1	4
	Std. Units	Std. Units	Std. Units	Std. Units					
Batch number: 17186003101A	Sample number(s): 9077888								
pH	7.00	6.96			99		95-105		
Batch number: 17186003102A	Sample number(s): 9077891								
pH	7.00	6.98			100		95-105		

MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc	MS Spike Added	MS Conc	MSD Spike Added	MSD Conc	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
	ug/l	ug/l	ug/l	ug/l	ug/l					
Batch number: L171841AA	Sample number(s): 9077890,9077893-9077894 UNSPK: 9077893									

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.
(3) The surrogate spike amount was less than the LOD.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: AECOM
Reported: 07/07/2017 14:35

Group Number: 1819546

MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Benzene	< 1	20	22	20	22.51	110	113	79-120	2	20
2-Butanone	< 8	150	115.65	150	120.05	77	80	56-143	4	20
Carbon Tetrachloride	< 1	20	21.79	20	21.99	109	110	72-136	1	20
Chlorobenzene	< 1	20	21.8	20	22.1	109	111	82-118	1	20
Chloroform	< 1	20	21.64	20	21.93	108	110	79-124	1	20
1,2-Dichloroethane	< 1	20	20.54	20	21.04	103	105	73-128	2	20
1,1-Dichloroethene	< 1	20	25.9	20	26.01	130	130	71-131	0	20
Tetrachloroethene	1.60	20	24.46	20	24.79	114	116	74-129	1	20
Trichloroethene	< 1	20	21.97	20	22.38	110	112	79-123	2	20
Vinyl Chloride	< 1	20	20.22	20	20.65	101	103	58-137	2	20
	mg/l	**mg/l**	**mg/l**	**mg/l**	**mg/l**					
Batch number: 171810571306	Sample number(s): 9077889,9077892 UNSPK: 9077889									
Mercury	< 0.00010	0.00100	0.00101	0.00100	0.00102	101	102	82-119	1	20
Batch number: 171811063603	Sample number(s): 9077889,9077892 UNSPK: 9077892									
Arsenic	< 0.0200	0.150	0.160	0.150	0.164	106	109	87-113	2	20
Barium	0.176	2.00	2.24	2.00	2.20	103	101	88-113	2	20
Cadmium	< 0.0050	0.0500	0.0524	0.0500	0.0521	105	104	88-113	0	20
Chromium	< 0.0075	0.200	0.208	0.200	0.203	104	101	90-113	2	20
Lead	< 0.0150	0.150	0.147	0.150	0.145	98	97	86-113	1	20
Selenium	< 0.0200	0.150	0.163	0.150	0.157	108	105	83-114	3	20
Silver	< 0.0050	0.0500	0.0583	0.0500	0.0553	117*	111	84-115	5	20

Laboratory Duplicate

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc mg/l	DUP Conc mg/l	DUP RPD	DUP RPD Max
Batch number: 171810571306	Sample number(s): 9077889,9077892 BKG: 9077889			
Mercury	< 0.00010	< 0.00010	0 (1)	20
Batch number: 171811063603	Sample number(s): 9077889,9077892 BKG: 9077892			
Arsenic	< 0.0200	< 0.0200	0 (1)	20
Barium	0.176	0.168	5	20
Cadmium	< 0.0050	< 0.0050	0 (1)	20
Chromium	< 0.0075	< 0.0075	0 (1)	20
Lead	< 0.0150	< 0.0150	0 (1)	20
Selenium	< 0.0200	< 0.0200	0 (1)	20
Silver	< 0.0050	< 0.0050	0 (1)	20
	Degrees C	**Degrees C**		

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.
(3) The surrogate spike amount was less than the LOD.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: AECOM
Reported: 07/07/2017 14:35

Group Number: 1819546

Laboratory Duplicate (continued)

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc	DUP Conc	DUP RPD	DUP RPD Max
	Degrees C	Degrees C		
Batch number: 17186003101A	Sample number(s): 9077888 BKG: P073304			
Temperature of pH	22.51	22.28	1	5
Batch number: 17186003102A	Sample number(s): 9077891 BKG: P073666			
Temperature of pH	23.25	23.23	0	5
	Degrees F	Degrees F		
Batch number: 17187043001A	Sample number(s): 9077888,9077891 BKG: P081595			
Flash Point	83.06	79.06	5 (1)	20
	Std. Units	Std. Units		
Batch number: 17186003101A	Sample number(s): 9077888 BKG: P073304			
pH	6.79	6.84	1	4
Batch number: 17186003102A	Sample number(s): 9077891 BKG: P073666			
pH	7.13	7.20	1	4

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: TCLP VOCs 8260C
Batch number: L171841AA

	Dibromofluoromethane %Rec	LOD (ug/l)	1,2-Dichloroethane-d4 %Rec	LOD (ug/l)	Toluene-d8 %Rec	LOD (ug/l)	4-Bromofluorobenzene %Rec	LOD (ug/l)
9077890	100	5	102	5	99	5	98	5
9077893	100	1	103	1	98	1	97	1
9077894	99	1	100	1	99	1	98	1
Blank	98	1	102	1	100	1	98	1
LCS	99	1	101	1	100	1	100	1
LCSD	100	1	102	1	101	1	101	1
MS	99	1	101	1	100	1	100	1
MSD	99	1	101	1	101	1	100	1
Limits:	80-119		81-118		89-112		85-114	

Analysis Name: TCLP SVOCs 8270D
Batch number: 17181WAL026

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.
(3) The surrogate spike amount was less than the LOD.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: AECOM
Reported: 07/07/2017 14:35

Group Number: 1819546

Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: TCLP SVOCs 8270D
Batch number: 17181WAL026

	Nitrobenzene-d5		2-Fluorobiphenyl		Terphenyl-d14		Phenol-d6		2-Fluorophenol		2,4,6-Tribromophenol	
	%Rec	LOD (mg/l)	%Rec	LOD (mg/l)	%Rec	LOD (mg/l)	%Rec	LOD (mg/l)	%Rec	LOD (mg/l)	%Rec	LOD (mg/l)
9077889	71	0.20	71	0.20	83	0.20	35	0.40	43	0.40	76	0.40
Blank	79	0.20	79	0.20	82	0.20	26	0.40	37	0.40	80	0.40
LCS	77	0.20	80	0.20	79	0.20	37	0.40	50	0.40	86	0.40
LCSD	70	0.20	71	0.20	82	0.20	26	0.40	35	0.40	78	0.40
Limits:	44-120		44-119		50-134		10-71		19-119		43-140	

Analysis Name: TCLP SVOCs 8270D
Batch number: 17184WAG026

	Nitrobenzene-d5		2-Fluorobiphenyl		Terphenyl-d14		Phenol-d6		2-Fluorophenol		2,4,6-Tribromophenol	
	%Rec	LOD (mg/l)	%Rec	LOD (mg/l)	%Rec	LOD (mg/l)	%Rec	LOD (mg/l)	%Rec	LOD (mg/l)	%Rec	LOD (mg/l)
9077892	77	0.20	79	0.20	52	0.20	28	0.40	40	0.40	79	0.40
Blank	79	0.20	81	0.20	88	0.20	34	0.40	46	0.40	88	0.40
LCS	79	0.20	79	0.20	83	0.20	37	0.40	51	0.40	89	0.40
LCSD	79	0.20	76	0.20	85	0.20	38	0.40	52	0.40	90	0.40
Limits:	44-120		44-119		50-134		10-71		19-119		43-140	

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.
(3) The surrogate spike amount was less than the LOD.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Environmental Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories Environmental

For Eurofins Lancaster Laboratories Environmental use only

Acct. # 19891 Group # 1819546 Sample # 9077888-94

COC # 533958

Client Information

Client: AECOM	Acct. #:
Project Name/#: Camp Hero	PWSID #:
Project Manager: / CONTACT 303 DEVON CHICOINE 682 9009	P.O. #:
Sampler: R Purdy	Quote #:
State where samples were collected: NY	For Compliance: Yes ☐ No ☐

Matrix: Soil ☐ Sediment ☐ Tissue ☐ Water: Potable ☐ Ground ☑ NPDES ☐ Surface ☐ Other: ____

Total # of Containers

Analysis Requested

Preservation Codes

Sample Identification	Collected Date	Collected Time	Grab	Composite	TCLP SVOC	TCLP VOC	RCRA METALS	FLASH POINT	PH	Total # of Containers
IDW-WW062717-01	6.27.17	1000	✓		3	4	1	1	1	
IDW-WW062717-02	6.27.17	1035	✓		3	4	1	1	1	
TB-IDW062717	6.27.17	0915	✓		2					

RUSH OR SHORT HOLD TIME ENCLOSED

For Lab Use Only

FSC: ____

SCR#: 207835

Preservation Codes

H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

Remarks

Turnaround Time (TAT) Requested (please circle)

Standard Rush

(Rush TAT is subject to laboratory approval and surcharge.)

Date results are needed: ____

E-mail address: ____

Data Package Options (circle if required)

Type I (EPA Level 3 Equivalent/non-CLP) Type VI (Raw Data Only)

Type III (Reduced non-CLP) NJ DKQP TX TRRP-13

NYSDEC Category A or B MA MCP CT RCP

Relinquished by	Date	Time	Received by	Date	Time
Chelsi West	6/14/17	13:39	AECOM	6.15.17	1300
AECOM	6/28/17	0K	ACCU	6-28-17	1615
ACCU	6-28-17	2 LS		6/28-17	1715
	6/28-17	19:15	Forsyth	6/28	19:20
				6.29.17	550

EDD Required? Yes No

If yes, format: ____

Site-Specific QC (MS/MSD/Dup)? Yes No

(If yes, indicate QC sample and submit triplicate sample volume.)

Relinquished by Commercial Carrier:

UPS ____ FedEx ____ Other ____

Temperature upon receipt 0.6 - 1.7 °C

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RE: One more question

Masonheimer, Debbie [Debbie.Masonheimer@aecom.com]
Sent: Thursday, June 29, 2017 10:52 AM
To: Stephen Gordon; Chicoine, Devon [Devon.Chicoine@aecom.com]

SVOCs on the TB are not needed, but VOCs are. It looks like the column headers got switched on the COC.

Thanks,
Debbie

From: Stephen Gordon [mailto:StephenGordon@eurofinsUS.com]
Sent: Thursday, June 29, 2017 7:36 AM
To: Masonheimer, Debbie; Chicoine, Devon
Subject: One more question

For the IDW sample, the attached COC indicates SVOCs for the TB. I assume this should have been VOCs but need to confirm.

Thanks!

Stephen Gordon

The laboratory will be closed on Tuesday, July 4, in observance of Independence Day. Lab couriers will not be available for pickup or delivery on July 4.

Eurofins Lancaster Laboratories Environmental, LLC
Pittsburgh Service Center
2009 Mackenzie Way, Suite 100
Cranberry Township, PA 16066
Phone: 724-720-9386
Mobile: 412-525-0071

Notify us here to report this email as spam.

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Sample Administration Receipt Documentation Log

Doc Log ID: 187635

Group Number(s): 1819546

Client: AECOM

Delivery and Receipt Information

Delivery Method:	QC Labs	Arrival Timestamp:	06/29/2017 5:50
Number of Packages:	4	Number of Projects:	2

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	2
Paperwork Enclosed:	Yes	Trip Blank Type:	HCL
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Evelyn Shank (12390) at 09:37 on 06/29/2017

Samples Chilled Details

Thermometer Types: *DT = Digital (Temp. Bottle)* *IR = Infrared (Surface Temp)* *All Temperatures in °C.*

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT42-02	1.3	DT	Wet	Y	Bagged	N
2	DT42-02	1.7	DT	Wet	Y	Bagged	N
3	DT42-02	0.6	DT	Wet	Y	Bagged	N
4	DT42-02	0.7	DT	Wet	Y	Bagged	N

2425 New Holland Pike
Lancaster, PA 17605-2425
T | 717-656-2300
F | 717-656-2681
www.LancasterLabs.com

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	**mg**	milligram(s)
C	degrees Celsius	**mL**	milliliter(s)
cfu	colony forming units	**MPN**	Most Probable Number
CP Units	cobalt-chloroplatinate units	**N.D.**	none detected
F	degrees Fahrenheit	**ng**	nanogram(s)
g	gram(s)	**NTU**	nephelometric turbidity units
IU	International Units	**pg/L**	picogram/liter
kg	kilogram(s)	**RL**	Reporting Limit
L	liter(s)	**TNTC**	Too Numerous To Count
lb.	pound(s)	**µg**	microgram(s)
m3	cubic meter(s)	**µL**	microliter(s)
meq	milliequivalents	**umhos/cm**	micromhos/cm

< less than

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Laboratory Data Qualifiers:

C - Result confirmed by reanalysis
E - Concentration exceeds the calibration range
J (or G, I, X) - estimated value ≥ the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
P - Concentration difference between the primary and confirmation column >40%. The lower result is reported.
U - Analyte was not detected at the value indicated
V - Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference…
W - The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.
Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as “analyze immediately” are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

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Appendix F

Laboratory Analytical Reports and Validation

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Appendix F1

Laboratory Analytical Sample Reports

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Appendix F1 provided as a separate attachment.

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Appendix F2

Data Validation Reports

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Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page 1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.	
Laboratory SDG:	APP17	
Date(s) of Collection:	June 1th, 2017	
Number/Type Samples & Analyses:	12 sediment samples plus 2 duplicate for a project-specific list of SVOCs, PAHs, hexavalent chromium, and metals	
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA	
Completed:	November 21st, 2017	

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for sediment data included in Sample Delivery Group (SDG) APP17. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017.

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✓ Holding times and sample preservation

✗ Laboratory method blank data

✓ Field rinsate blank data

NA Trip blank data

✗ Laboratory control sample (LCS) recoveries

✗ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✗ Surrogate recoveries

✗ Laboratory duplicate results

✗ Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of "J" data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

CH-SWSD102-SE01, CH-SWSD105-SE01, and CH-SWSD105-SE01D samples were run for regular 8270 and 8270 SIM. The final results will be presented in 8270 SIM.

Sample CH-SWSD105-SE01D was analyzed for 8270D SIM however the surrogates (benzo(a)pyrene-d12 and fluoranthene-d10) were slightly low. Sample was re-analyzed outside method holding time and three surrogates were very low. Both set of results are comparable. The initial results will be presented.

This data package was revised 11/9/2017 due to the Eurofins SW6020A metals data breach. The majority of the data changes were made to Quality Control (QC) and/or calibration checks, not to actual sample results. The few field sample result changes were due to the originally reported result exceeding the linear calibration range of the instrument; those results were changed to be slightly lower than the upper limit of the calibration range.

In this package, the percent recovery for vanadium in the low level check standard was not within QC specification. All vanadium results were above LOQ. The percent recovery for calcium in the CCV was above QC specification.

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP17

Laboratory: LLL

EDD Filename: APP17-ADJ_2a_1

eQAPP Name: CAMP_HERO_NP_PIII

Validation Area	*Note*
Technical Holding Times	SR
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	SR
Surrogate/Tracer Spikes	SR
Matrix Spike/Matrix Spike Duplicates	SR
Laboratory Duplicates	SR
Laboratory Replicates	N
Laboratory Control Samples	A
Compound Quantitation	SR
Field Duplicates	SR
Field Triplicates	N
Field Blanks	A

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP17 **Laboratory: LLL**

EDD Filename: APP17-ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SEDIMENT

Sample ID: CH-SWSD066-SE01 **Collected:** 6/2/2017 8:55:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.435	J	0.609	LOD	1.22	LOQ	mg/kg	J	RI
ARSENIC	1.53	J	1.22	LOD	2.44	LOQ	mg/kg	J	RI
CADMIUM	0.422	J	0.305	LOD	0.609	LOQ	mg/kg	J	RI
SELENIUM	0.438	J	0.609	LOD	2.44	LOQ	mg/kg	J	RI
THALLIUM	0.105	J	0.152	LOD	0.609	LOQ	mg/kg	J	RI
SILVER	0.0780	J	0.152	LOD	0.609	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD066-SE01 **Collected:** 6/2/2017 8:55:00 AM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.330	J	0.152	LOD	0.609	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD067-SE01 **Collected:** 6/2/2017 9:15:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.175	J	0.434	LOD	0.869	LOQ	mg/kg	J	RI
SELENIUM	1.33	J	0.869	LOD	3.47	LOQ	mg/kg	J	RI
SILVER	0.143	J	0.217	LOD	0.869	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD067-SE01 **Collected:** 6/2/2017 9:15:00 AM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.485	J	0.217	LOD	0.869	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD101-SE01 **Collected:** 6/1/2017 2:30:00 PM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	1.04	J	0.443	LOD	1.77	LOQ	mg/kg	J	RI
SILVER	0.101	J	0.111	LOD	0.443	LOQ	mg/kg	J	RI
THALLIUM	0.165	J	0.111	LOD	0.443	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP17 **Laboratory: LLL**

EDD Filename: APP17-ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD102-SE01** ***Collected:*** **6/1/2017 3:15:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.396	J	0.230	LOD	0.921	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD103-SE01** ***Collected:*** **6/1/2017 3:40:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.186	J	0.211	LOD	0.423	LOQ	mg/kg	J	RI
SELENIUM	0.795	J	0.423	LOD	1.69	LOQ	mg/kg	J	RI
SILVER	0.0651	J	0.106	LOD	0.423	LOQ	mg/kg	J	RI
THALLIUM	0.188	J	0.106	LOD	0.423	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD104-SE01** ***Collected:*** **6/1/2017 3:50:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.540	J	0.518	LOD	1.04	LOQ	mg/kg	J	RI
SELENIUM	3.81	J	1.04	LOD	4.15	LOQ	mg/kg	J	RI
SILVER	0.134	J	0.259	LOD	1.04	LOQ	mg/kg	J	RI
THALLIUM	0.280	J	0.259	LOD	1.04	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD105-SE01** ***Collected:*** **6/1/2017 4:15:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0906	J	0.126	LOD	0.252	LOQ	mg/kg	J	RI
SELENIUM	0.476	J	0.252	LOD	1.01	LOQ	mg/kg	J	RI
SILVER	0.0428	J	0.0629	LOD	0.252	LOQ	mg/kg	J	RI
THALLIUM	0.224	J	0.0629	LOD	0.252	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD105-SE01D** ***Collected:*** **6/1/2017 4:15:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0943	J	0.140	LOD	0.280	LOQ	mg/kg	J	RI
SELENIUM	0.373	J	0.280	LOD	1.12	LOQ	mg/kg	J	RI
SILVER	0.0358	J	0.0700	LOD	0.280	LOQ	mg/kg	J	RI
THALLIUM	0.242	J	0.0700	LOD	0.280	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP17 **Laboratory: LLL**

EDD Filename: APP17-ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD106-SE01** ***Collected:*** **6/1/2017 2:15:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.379	J	0.504	LOD	1.01	LOQ	mg/kg	J	Rl
CADMIUM	0.306	J	0.252	LOD	0.504	LOQ	mg/kg	J	Rl
SILVER	0.130	J	0.126	LOD	0.504	LOQ	mg/kg	J	Rl
THALLIUM	0.199	J	0.126	LOD	0.504	LOQ	mg/kg	J	Rl

Sample ID: **CH-SWSD107-SE01** ***Collected:*** **6/1/2017 1:50:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.376	J	0.421	LOD	0.843	LOQ	mg/kg	J	Rl
CADMIUM	0.212	J	0.211	LOD	0.421	LOQ	mg/kg	J	Rl
SELENIUM	1.55	J	0.421	LOD	1.69	LOQ	mg/kg	J	Rl
SILVER	0.0872	J	0.105	LOD	0.421	LOQ	mg/kg	J	Rl
THALLIUM	0.164	J	0.105	LOD	0.421	LOQ	mg/kg	J	Rl

Sample ID: **CH-SWSD108-SE01** ***Collected:*** **6/1/2017 1:30:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	15500		36.5	LOD	146	LOQ	mg/kg	J+	Ms
ANTIMONY	0.374	J	0.731	LOD	1.46	LOQ	mg/kg	J	Rl, Ld
ARSENIC	5.37		1.46	LOD	2.92	LOQ	mg/kg	J+	Ms
BARIUM	102		1.46	LOD	2.92	LOQ	mg/kg	J+	Ms
CADMIUM	0.729	J	0.365	LOD	0.731	LOQ	mg/kg	J	Rl
CHROMIUM	14.8		0.731	LOD	2.92	LOQ	mg/kg	J+	Ms
COPPER	27.7		0.731	LOD	2.92	LOQ	mg/kg	J+	Ms
IRON	11200		73.1	LOD	146	LOQ	mg/kg	J+	Ms
LEAD	44.5		0.183	LOD	1.46	LOQ	mg/kg	J	Ms, Ld
MAGNESIUM	2350		36.5	LOD	146	LOQ	mg/kg	J+	Ms
MANGANESE	143		0.731	LOD	2.92	LOQ	mg/kg	J+	Ms
SELENIUM	2.29	J	0.731	LOD	2.92	LOQ	mg/kg	J	Rl
SILVER	0.129	J	0.183	LOD	0.731	LOQ	mg/kg	J	Rl, Ld
THALLIUM	0.293	J	0.183	LOD	0.731	LOQ	mg/kg	J	Rl, Ld
VANADIUM	29.5		0.365	LOD	0.731	LOQ	mg/kg	J+	Ms

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP17 **Laboratory: LLL**

EDD Filename: APP17-ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD108-SE01** ***Collected:*** **6/1/2017 1:30:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ZINC	70.6		11.0	LOD	21.9	LOQ	mg/kg	J+	Ms

Sample ID: **CH-SWSD108-SE01** ***Collected:*** **6/1/2017 1:30:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	2.30		0.183	LOD	0.731	LOQ	mg/kg	J	Ld

Sample ID: **CH-SWSD109-SE01** ***Collected:*** **6/1/2017 12:40:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.559	J	0.862	LOD	1.72	LOQ	mg/kg	J	Rl
CADMIUM	0.838	J	0.431	LOD	0.862	LOQ	mg/kg	J	Rl
SELENIUM	3.37	J	0.862	LOD	3.45	LOQ	mg/kg	J	Rl
SILVER	0.148	J	0.215	LOD	0.862	LOQ	mg/kg	J	Rl
THALLIUM	0.256	J	0.215	LOD	0.862	LOQ	mg/kg	J	Rl

Sample ID: **CH-SWSD110-SE01** ***Collected:*** **6/1/2017 12:10:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.724	U	0.724	LOD	1.45	LOQ	mg/kg	UJ	Fd
CADMIUM	0.692	J	0.362	LOD	0.724	LOQ	mg/kg	J	Rl
SILVER	0.164	J	0.181	LOD	0.724	LOQ	mg/kg	J	Rl
THALLIUM	0.206	J	0.181	LOD	0.724	LOQ	mg/kg	J	Rl, Fd

Sample ID: **CH-SWSD110-SE01D** ***Collected:*** **6/1/2017 12:10:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.368	J	0.491	LOD	0.982	LOQ	mg/kg	J	Rl, Fd
SILVER	0.185	J	0.123	LOD	0.491	LOQ	mg/kg	J	Rl
THALLIUM	0.339	J	0.123	LOD	0.491	LOQ	mg/kg	J	Rl, Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP17 **Laboratory: LLL**

EDD Filename: APP17-ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7199 **Matrix: SEDIMENT**

Sample ID: CH-SWSD110-SE01 **Collected:** 6/1/2017 12:10:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Hexavalent Chromium [Cr (VI)]	10.5		1.6	LOD	1.6	LOQ	mg/kg	J	Fd

Sample ID: CH-SWSD110-SE01D **Collected:** 6/1/2017 12:10:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Hexavalent Chromium [Cr (VI)]	1.4	U	1.4	LOD	1.4	LOQ	mg/kg	UJ	Fd

Method Category: METALS

Method: 7471B **Matrix: SEDIMENT**

Sample ID: CH-SWSD066-SE01 **Collected:** 6/2/2017 8:55:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0975	J	0.0514	LOD	0.308	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD067-SE01 **Collected:** 6/2/2017 9:15:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.167	J	0.0774	LOD	0.464	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD101-SE01 **Collected:** 6/1/2017 2:30:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.168	J	0.0454	LOD	0.272	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD102-SE01 **Collected:** 6/1/2017 3:15:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0159	J	0.0208	LOD	0.125	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP17 **Laboratory: LLL**

EDD Filename: APP17-ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **7471B** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD103-SE01** ***Collected:*** **6/1/2017 3:40:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.116	J	0.0372	LOD	0.223	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD104-SE01** ***Collected:*** **6/1/2017 3:50:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.283	J	0.0858	LOD	0.515	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD105-SE01** ***Collected:*** **6/1/2017 4:15:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0467	J	0.0254	LOD	0.152	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD105-SE01D** ***Collected:*** **6/1/2017 4:15:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0368	J	0.0232	LOD	0.139	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD106-SE01** ***Collected:*** **6/1/2017 2:15:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.175	J	0.0492	LOD	0.295	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD107-SE01** ***Collected:*** **6/1/2017 1:50:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.128	J	0.0397	LOD	0.238	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD108-SE01** ***Collected:*** **6/1/2017 1:30:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.189	J	0.0702	LOD	0.421	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP17 **Laboratory: LLL**

EDD Filename: APP17-ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7471B **Matrix: SEDIMENT**

Sample ID: CH-SWSD109-SE01 **Collected:** 6/1/2017 12:40:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.244	J	0.0801	LOD	0.481	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD110-SE01 **Collected:** 6/1/2017 12:10:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.268	J	0.0637	LOD	0.382	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD110-SE01D **Collected:** 6/1/2017 12:10:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.232	J	0.0555	LOD	0.333	LOQ	mg/kg	J	RI

Method Category: METALS

Method: Calculation **Matrix: SEDIMENT**

Sample ID: CH-SWSD110-SE01 **Collected:** 6/1/2017 12:10:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	8.4		1.6	LOD	2.9	LOQ	mg/kg	J	Fd

Sample ID: CH-SWSD110-SE01D **Collected:** 6/1/2017 12:10:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	23.4		1.4	LOD	2.0	LOQ	mg/kg	J	Fd

Method Category: SVOA

Method: 8270D **Matrix: SEDIMENT**

Sample ID: CH-SWSD066-SE01 **Collected:** 6/2/2017 8:55:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.13	J	0.11	LOD	0.28	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP17 **Laboratory: LLL**

EDD Filename: APP17-ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD066-SE01** ***Collected:*** **6/2/2017 8:55:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **5**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBAZOLE	0.41	J	0.54	LOD	0.54	LOQ	mg/kg	J	RI
FLUORENE	0.12	J	0.11	LOD	0.28	LOQ	mg/kg	J	RI
NAPHTHALENE	0.091	J	0.11	LOD	0.28	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD067-SE01** ***Collected:*** **6/2/2017 9:15:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **5**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.10	J	0.16	LOD	0.42	LOQ	mg/kg	J	RI
FLUORENE	0.088	J	0.16	LOD	0.42	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD101-SE01** ***Collected:*** **6/1/2017 2:30:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **5**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.060	J	0.090	LOD	0.23	LOQ	mg/kg	J	RI
2-METHYLNAPHTHALENE	0.061	J	0.090	LOD	0.23	LOQ	mg/kg	J	RI
ACENAPHTHENE	0.052	J	0.090	LOD	0.23	LOQ	mg/kg	J	RI
ACENAPHTHYLENE	0.15	J	0.090	LOD	0.23	LOQ	mg/kg	J	RI
ANTHRACENE	0.15	J	0.090	LOD	0.23	LOQ	mg/kg	J	RI
Benzo (g,h,i) perylene	0.22	J	0.090	LOD	0.23	LOQ	mg/kg	J	RI
DIBENZO(A,H)ANTHRACENE	0.11	J	0.090	LOD	0.23	LOQ	mg/kg	J	RI
NAPHTHALENE	0.12	J	0.090	LOD	0.23	LOQ	mg/kg	J	RI
PHENANTHRENE	0.19	J	0.090	LOD	0.23	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD102-SE01** ***Collected:*** **6/1/2017 3:15:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.010	J	0.009	LOD	0.022	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHYLENE	0.008	J	0.009	LOD	0.022	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.007	J	0.009	LOD	0.022	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.025		0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP17 **Laboratory: LLL**

EDD Filename: APP17-ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD102-SE01 **Collected:** 6/1/2017 3:15:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Benzo (g,h,i) perylene	0.012	J	0.009	LOD	0.022	LOQ	mg/kg	NP	Rl, ProfJudg
BENZO(A)PYRENE	0.018	J	0.009	LOD	0.022	LOQ	mg/kg	NP	Rl, ProfJudg
BENZO(B)FLUORANTHENE	0.039		0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.015	J	0.009	LOD	0.022	LOQ	mg/kg	NP	Rl, ProfJudg
CHRYSENE	0.031		0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	J	0.009	LOD	0.022	LOQ	mg/kg	NP	Rl, ProfJudg
FLUORANTHENE	0.041		0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.007	J	0.009	LOD	0.022	LOQ	mg/kg	NP	Rl, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.013	J	0.009	LOD	0.022	LOQ	mg/kg	NP	Rl, ProfJudg
NAPHTHALENE	0.009	J	0.009	LOD	0.022	LOQ	mg/kg	NP	Rl, ProfJudg
PHENANTHRENE	0.017	J	0.009	LOD	0.022	LOQ	mg/kg	NP	Rl, ProfJudg
PYRENE	0.042		0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD103-SE01 **Collected:** 6/1/2017 3:40:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
4-Chloroaniline [p-Chloroaniline]	0.15	U	0.15	LOD	0.15	LOQ	mg/kg	UJ	Ms

Sample ID: CH-SWSD103-SE01 **Collected:** 6/1/2017 3:40:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.018	J	0.015	LOD	0.039	LOQ	mg/kg	J	Rl
2-METHYLNAPHTHALENE	0.016	J	0.015	LOD	0.039	LOQ	mg/kg	J	Rl
ACENAPHTHENE	0.027	J	0.015	LOD	0.039	LOQ	mg/kg	J	Rl
CARBAZOLE	0.055	J	0.076	LOD	0.076	LOQ	mg/kg	J	Rl
FLUORENE	0.030	J	0.015	LOD	0.039	LOQ	mg/kg	J	Rl
NAPHTHALENE	0.030	J	0.015	LOD	0.039	LOQ	mg/kg	J	Rl

Sample ID: CH-SWSD104-SE01 **Collected:** 6/1/2017 3:50:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.018	J	0.035	LOD	0.088	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP17 **Laboratory: LLL**

EDD Filename: APP17-ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD104-SE01 **Collected:** 6/1/2017 3:50:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.020	J	0.035	LOD	0.088	LOQ	mg/kg	J	RI
ANTHRACENE	0.064	J	0.035	LOD	0.088	LOQ	mg/kg	J	RI
NAPHTHALENE	0.020	J	0.035	LOD	0.088	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD105-SE01 **Collected:** 6/1/2017 4:15:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.011	U	0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.011	U	0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.011	U	0.011	LOD	0.028	LOQ	mg/kg	NP	Fd, ProfJudg
ACENAPHTHYLENE	0.011	U	0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.012	J	0.011	LOD	0.028	LOQ	mg/kg	NP	RI, Fd, ProfJudg
BENZ(A)ANTHRACENE	0.023	J	0.011	LOD	0.028	LOQ	mg/kg	NP	RI, Fd, ProfJudg
Benzo (g,h,i) perylene	0.017	J	0.011	LOD	0.028	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.023	J	0.011	LOD	0.028	LOQ	mg/kg	NP	RI, Fd, ProfJudg
BENZO(B)FLUORANTHENE	0.035		0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.017	J	0.011	LOD	0.028	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.026	J	0.011	LOD	0.028	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.017	J	0.011	LOD	0.028	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.056		0.011	LOD	0.028	LOQ	mg/kg	NP	Fd, ProfJudg
FLUORENE	0.007	J	0.011	LOD	0.028	LOQ	mg/kg	NP	RI, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.015	J	0.011	LOD	0.028	LOQ	mg/kg	NP	RI, Fd, ProfJudg
NAPHTHALENE	0.011	U	0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.035		0.011	LOD	0.028	LOQ	mg/kg	NP	Fd, ProfJudg
PYRENE	0.051		0.011	LOD	0.028	LOQ	mg/kg	NP	Fd, ProfJudg

Sample ID: CH-SWSD105-SE01D **Collected:** 6/1/2017 4:15:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	J	0.01	LOD	0.025	LOQ	mg/kg	NP	RI, Fd, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP17 **Laboratory: LLL**

EDD Filename: APP17-ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD105-SE01D **Collected:** 6/1/2017 4:15:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.018	J	0.01	LOD	0.025	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
BENZ(A)ANTHRACENE	0.037		0.01	LOD	0.025	LOQ	mg/kg	NP	Fd, ProfJudg
Benzo (g,h,i) perylene	0.019	J	0.01	LOD	0.025	LOQ	mg/kg	NP	Rl, ProfJudg
BENZO(A)PYRENE	0.032		0.01	LOD	0.025	LOQ	mg/kg	NP	Fd, ProfJudg
BENZO(B)FLUORANTHENE	0.040		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.021	J	0.01	LOD	0.025	LOQ	mg/kg	NP	Rl, ProfJudg
CHRYSENE	0.034		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.014	J	0.01	LOD	0.025	LOQ	mg/kg	NP	Rl, ProfJudg
FLUORANTHENE	0.084		0.01	LOD	0.025	LOQ	mg/kg	NP	Fd, ProfJudg
FLUORENE	0.009	J	0.01	LOD	0.025	LOQ	mg/kg	NP	Rl, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.022	J	0.01	LOD	0.025	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
NAPHTHALENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.054		0.01	LOD	0.025	LOQ	mg/kg	NP	Fd, ProfJudg
PYRENE	0.072		0.01	LOD	0.025	LOQ	mg/kg	NP	Fd, ProfJudg

Sample ID: CH-SWSD106-SE01 **Collected:** 6/1/2017 2:15:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-Methylphenol (o-Cresol)	0.075	J	0.10	LOD	0.10	LOQ	mg/kg	J	Rl

Sample ID: CH-SWSD106-SE01 **Collected:** 6/1/2017 2:15:00 PM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.070	J	0.10	LOD	0.10	LOQ	mg/kg	J	Rl
BENZOIC ACID	0.88	J	1.5	LOD	1.5	LOQ	mg/kg	J	Rl

Sample ID: CH-SWSD106-SE01 **Collected:** 6/1/2017 2:15:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZALDEHYDE	0.41	J	0.40	LOD	0.50	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP17 **Laboratory: LLL**

EDD Filename: APP17-ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD107-SE01 **Collected:** 6/1/2017 1:50:00 PM **Analysis Type:** Initial/TOT **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.36	J	0.39	LOD	0.39	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD107-SE01 **Collected:** 6/1/2017 1:50:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.12	J	0.079	LOD	0.20	LOQ	mg/kg	J	RI
ACENAPHTHYLENE	0.096	J	0.079	LOD	0.20	LOQ	mg/kg	J	RI
ANTHRACENE	0.10	J	0.079	LOD	0.20	LOQ	mg/kg	J	RI
Benzo (g,h,i) perylene	0.15	J	0.079	LOD	0.20	LOQ	mg/kg	J	RI
BENZO(K)FLUORANTHENE	0.19	J	0.079	LOD	0.20	LOQ	mg/kg	J	RI
DIBENZO(A,H)ANTHRACENE	0.055	J	0.079	LOD	0.20	LOQ	mg/kg	J	RI
FLUORENE	0.19	J	0.079	LOD	0.20	LOQ	mg/kg	J	RI
INDENO(1,2,3-CD)PYRENE	0.13	J	0.079	LOD	0.20	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD108-SE01 **Collected:** 6/1/2017 1:30:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.019	J	0.030	LOD	0.077	LOQ	mg/kg	J	RI
ACENAPHTHYLENE	0.054	J	0.030	LOD	0.077	LOQ	mg/kg	J	RI
ANTHRACENE	0.058	J	0.030	LOD	0.077	LOQ	mg/kg	J	RI
DIBENZO(A,H)ANTHRACENE	0.057	J	0.030	LOD	0.077	LOQ	mg/kg	J	RI
FLUORENE	0.021	J	0.030	LOD	0.077	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD109-SE01 **Collected:** 6/1/2017 12:40:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.028	J	0.034	LOD	0.087	LOQ	mg/kg	J	RI
ACENAPHTHYLENE	0.077	J	0.034	LOD	0.087	LOQ	mg/kg	J	RI
DIBENZO(A,H)ANTHRACENE	0.081	J	0.034	LOD	0.087	LOQ	mg/kg	J	RI
DIBENZOFURAN	0.15	J	0.17	LOD	0.17	LOQ	mg/kg	J	RI
FLUORENE	0.043	J	0.034	LOD	0.087	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP17 **Laboratory: LLL**

EDD Filename: APP17-ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD110-SE01 **Collected:** 6/1/2017 12:10:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.086	J	0.13	LOD	0.13	LOQ	mg/kg	J	Rl, Fd

Sample ID: CH-SWSD110-SE01 **Collected:** 6/1/2017 12:10:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.48		0.027	LOD	0.068	LOQ	mg/kg	J	Fd
2-METHYLNAPHTHALENE	0.61		0.027	LOD	0.068	LOQ	mg/kg	J	Fd
ACENAPHTHENE	0.032	J	0.027	LOD	0.068	LOQ	mg/kg	J	Rl, Fd
ACENAPHTHYLENE	0.084		0.027	LOD	0.068	LOQ	mg/kg	J	Fd
ANTHRACENE	0.10		0.027	LOD	0.068	LOQ	mg/kg	J	Fd
BENZ(A)ANTHRACENE	0.28		0.027	LOD	0.068	LOQ	mg/kg	J	Fd
Benzo (g,h,i) perylene	0.17		0.027	LOD	0.068	LOQ	mg/kg	J	Fd
BENZO(A)PYRENE	0.24		0.027	LOD	0.068	LOQ	mg/kg	J	Fd
BENZO(B)FLUORANTHENE	0.58		0.027	LOD	0.068	LOQ	mg/kg	J	Fd
BENZO(K)FLUORANTHENE	0.26		0.027	LOD	0.068	LOQ	mg/kg	J	Fd
CHRYSENE	0.46		0.027	LOD	0.068	LOQ	mg/kg	J	Fd
DIBENZO(A,H)ANTHRACENE	0.072		0.027	LOD	0.068	LOQ	mg/kg	J	Fd
DIBENZOFURAN	0.16		0.13	LOD	0.13	LOQ	mg/kg	J	Fd
FLUORANTHENE	0.69		0.027	LOD	0.068	LOQ	mg/kg	J	Fd
FLUORENE	0.056	J	0.027	LOD	0.068	LOQ	mg/kg	J	Rl, Fd
INDENO(1,2,3-CD)PYRENE	0.17		0.027	LOD	0.068	LOQ	mg/kg	J	Fd
NAPHTHALENE	0.47		0.027	LOD	0.068	LOQ	mg/kg	J	Fd
PHENANTHRENE	0.36		0.027	LOD	0.068	LOQ	mg/kg	J	Fd
PYRENE	0.68		0.027	LOD	0.068	LOQ	mg/kg	J	Fd

Sample ID: CH-SWSD110-SE01D **Collected:** 6/1/2017 12:10:00 PM **Analysis Type:** Initial/TOT **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.33	J	0.60	LOD	0.60	LOQ	mg/kg	J	Rl, Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP17 **Laboratory: LLL**

EDD Filename: APP17-ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix: SEDIMENT**

Sample ID: CH-SWSD110-SE01D **Collected:** 6/1/2017 12:10:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	2.0		0.12	LOD	0.31	LOQ	mg/kg	J	Fd
2-METHYLNAPHTHALENE	2.5		0.12	LOD	0.31	LOQ	mg/kg	J	Fd
ACENAPHTHENE	0.12	J	0.12	LOD	0.31	LOQ	mg/kg	J	Rl, Fd
ACENAPHTHYLENE	0.22	J	0.12	LOD	0.31	LOQ	mg/kg	J	Rl, Fd
ANTHRACENE	0.23	J	0.12	LOD	0.31	LOQ	mg/kg	J	Rl, Fd
BENZ(A)ANTHRACENE	0.65		0.12	LOD	0.31	LOQ	mg/kg	J	Fd
Benzo (g,h,i) perylene	0.43		0.12	LOD	0.31	LOQ	mg/kg	J	Fd
BENZO(A)PYRENE	0.54		0.12	LOD	0.31	LOQ	mg/kg	J	Fd
BENZO(B)FLUORANTHENE	1.2		0.12	LOD	0.31	LOQ	mg/kg	J	Fd
BENZO(K)FLUORANTHENE	0.56		0.12	LOD	0.31	LOQ	mg/kg	J	Fd
CHRYSENE	1.1		0.12	LOD	0.31	LOQ	mg/kg	J	Fd
DIBENZO(A,H)ANTHRACENE	0.19	J	0.12	LOD	0.31	LOQ	mg/kg	J	Rl, Fd
DIBENZOFURAN	0.64		0.60	LOD	0.60	LOQ	mg/kg	J	Fd
FLUORANTHENE	1.5		0.12	LOD	0.31	LOQ	mg/kg	J	Fd
FLUORENE	0.21	J	0.12	LOD	0.31	LOQ	mg/kg	J	Rl, Fd
INDENO(1,2,3-CD)PYRENE	0.36		0.12	LOD	0.31	LOQ	mg/kg	J	Fd
NAPHTHALENE	2.0		0.12	LOD	0.31	LOQ	mg/kg	J	Fd
PHENANTHRENE	1.2		0.12	LOD	0.31	LOQ	mg/kg	J	Fd
PYRENE	1.5		0.12	LOD	0.31	LOQ	mg/kg	J	Fd

Method Category: SVOA

Method: 8270D SIM **Matrix: SEDIMENT**

Sample ID: CH-SWSD102-SE01 **Collected:** 6/1/2017 3:15:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.0015	J	0.0017	LOD	0.0022	LOQ	mg/kg	J	Rl
DIBENZO(A,H)ANTHRACENE	0.0020	J	0.0017	LOD	0.0022	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP17 **Laboratory: LLL**

EDD Filename: APP17-ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD105-SE01** ***Collected:*** **6/1/2017 4:15:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.0025	J	0.0022	LOD	0.0027	LOQ	mg/kg	J	Rl, Fd
2-METHYLNAPHTHALENE	0.0028		0.0022	LOD	0.0027	LOQ	mg/kg	J	Fd
ACENAPHTHENE	0.0031		0.0022	LOD	0.0027	LOQ	mg/kg	J	Fd
ACENAPHTHYLENE	0.0022	U	0.0022	LOD	0.0027	LOQ	mg/kg	UJ	Fd
ANTHRACENE	0.0069		0.0022	LOD	0.0027	LOQ	mg/kg	J	Fd
BENZ(A)ANTHRACENE	0.020		0.0022	LOD	0.0027	LOQ	mg/kg	J	Fd
BENZO(A)PYRENE	0.020		0.0022	LOD	0.0027	LOQ	mg/kg	J	Fd
BENZO(B)FLUORANTHENE	0.033		0.0022	LOD	0.0027	LOQ	mg/kg	J	Fd
BENZO(G,H,I)PERYLENE	0.0066		0.0022	LOD	0.0027	LOQ	mg/kg	J	Fd
BENZO(K)FLUORANTHENE	0.013		0.0022	LOD	0.0027	LOQ	mg/kg	J	Fd
CHRYSENE	0.026		0.0022	LOD	0.0027	LOQ	mg/kg	J	Fd
DIBENZO(A,H)ANTHRACENE	0.0021	J	0.0022	LOD	0.0027	LOQ	mg/kg	J	Rl, Fd
FLUORANTHENE	0.044		0.0022	LOD	0.0027	LOQ	mg/kg	J	Fd
FLUORENE	0.0061		0.0022	LOD	0.0027	LOQ	mg/kg	J	Fd
INDENO(1,2,3-CD)PYRENE	0.0071		0.0022	LOD	0.0027	LOQ	mg/kg	J	Fd
NAPHTHALENE	0.0033		0.0022	LOD	0.0027	LOQ	mg/kg	J	Fd
PHENANTHRENE	0.024		0.0022	LOD	0.0027	LOQ	mg/kg	J	Fd
PYRENE	0.051		0.0022	LOD	0.0027	LOQ	mg/kg	J	Fd

Sample ID: **CH-SWSD105-SE01D** ***Collected:*** **6/1/2017 4:15:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.0021	J	0.0020	LOD	0.0025	LOQ	mg/kg	J	Rl, Surr
2-METHYLNAPHTHALENE	0.0020	J	0.0020	LOD	0.0025	LOQ	mg/kg	J	Rl, Surr, Fd
ACENAPHTHENE	0.0046		0.0020	LOD	0.0025	LOQ	mg/kg	J	Surr, Fd
ACENAPHTHYLENE	0.00072	J	0.0020	LOD	0.0025	LOQ	mg/kg	J	Rl, Surr, Fd
ANTHRACENE	0.011		0.0020	LOD	0.0025	LOQ	mg/kg	J	Surr, Fd
BENZ(A)ANTHRACENE	0.030		0.0020	LOD	0.0025	LOQ	mg/kg	J	Surr, Fd
BENZO(A)PYRENE	0.027		0.0020	LOD	0.0025	LOQ	mg/kg	J-	Surr
BENZO(B)FLUORANTHENE	0.041		0.0020	LOD	0.0025	LOQ	mg/kg	J-	Surr
BENZO(G,H,I)PERYLENE	0.0098		0.0020	LOD	0.0025	LOQ	mg/kg	J	Surr, Fd
BENZO(K)FLUORANTHENE	0.015		0.0020	LOD	0.0025	LOQ	mg/kg	J-	Surr

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP17 **Laboratory: LLL**

EDD Filename: APP17-ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD105-SE01D** ***Collected:*** **6/1/2017 4:15:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
CHRYSENE	0.034		0.0020	LOD	0.0025	LOQ	mg/kg	J-	Surr
DIBENZO(A,H)ANTHRACENE	0.0033		0.0020	LOD	0.0025	LOQ	mg/kg	J	Surr, Fd
FLUORANTHENE	0.060		0.0020	LOD	0.0025	LOQ	mg/kg	J	Surr, Fd
FLUORENE	0.0082		0.0020	LOD	0.0025	LOQ	mg/kg	J-	Surr
INDENO(1,2,3-CD)PYRENE	0.011		0.0020	LOD	0.0025	LOQ	mg/kg	J	Surr, Fd
NAPHTHALENE	0.0032		0.0020	LOD	0.0025	LOQ	mg/kg	J-	Surr
PHENANTHRENE	0.035		0.0020	LOD	0.0025	LOQ	mg/kg	J	Surr, Fd
PYRENE	0.067		0.0020	LOD	0.0025	LOQ	mg/kg	J-	Surr

Sample ID: **CH-SWSD105-SE01D-X** ***Collected:*** **6/1/2017 4:15:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.0019	U	0.0019	LOD	0.0024	LOQ	mg/kg	NP	Surr, Fd, ProfJudg, EtoA
2-METHYLNAPHTHALENE	0.0019	U	0.0019	LOD	0.0024	LOQ	mg/kg	NP	Surr, Fd, ProfJudg, EtoA
ACENAPHTHENE	0.0019	U	0.0019	LOD	0.0024	LOQ	mg/kg	NP	Surr, Fd, ProfJudg, EtoA
ACENAPHTHYLENE	0.0019	U	0.0019	LOD	0.0024	LOQ	mg/kg	NP	Surr, ProfJudg, EtoA
ANTHRACENE	0.00087	J	0.0019	LOD	0.0024	LOQ	mg/kg	NP	RI, Surr, Fd, ProfJudg, EtoA
BENZ(A)ANTHRACENE	0.0019	J	0.0019	LOD	0.0024	LOQ	mg/kg	NP	RI, Surr, Fd, ProfJudg, EtoA
BENZO(A)PYRENE	0.0016	J	0.0019	LOD	0.0024	LOQ	mg/kg	NP	RI, Surr, Fd, ProfJudg, EtoA
BENZO(B)FLUORANTHENE	0.0023	J	0.0019	LOD	0.0024	LOQ	mg/kg	NP	RI, Surr, Fd, ProfJudg, EtoA
BENZO(G,H,I)PERYLENE	0.0012	J	0.0019	LOD	0.0024	LOQ	mg/kg	NP	RI, Surr, Fd, ProfJudg, EtoA
BENZO(K)FLUORANTHENE	0.0016	J	0.0019	LOD	0.0024	LOQ	mg/kg	NP	RI, Surr, Fd, ProfJudg, EtoA
CHRYSENE	0.0021	J	0.0019	LOD	0.0024	LOQ	mg/kg	NP	RI, Surr, Fd, ProfJudg, EtoA
DIBENZO(A,H)ANTHRACENE	0.0019	U	0.0019	LOD	0.0024	LOQ	mg/kg	NP	Surr, Fd, ProfJudg, EtoA
FLUORANTHENE	0.0048		0.0019	LOD	0.0024	LOQ	mg/kg	NP	Surr, Fd, ProfJudg, EtoA
FLUORENE	0.0019	U	0.0019	LOD	0.0024	LOQ	mg/kg	NP	Surr, Fd, ProfJudg, EtoA
INDENO(1,2,3-CD)PYRENE	0.0019	U	0.0019	LOD	0.0024	LOQ	mg/kg	NP	Surr, Fd, ProfJudg, EtoA
NAPHTHALENE	0.0019	U	0.0019	LOD	0.0024	LOQ	mg/kg	NP	Surr, Fd, ProfJudg, EtoA

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP17 **Laboratory: LLL**

EDD Filename: APP17-ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD105-SE01D-X** ***Collected:*** **6/1/2017 4:15:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
PHENANTHRENE	0.0032		0.0019	LOD	0.0024	LOQ	mg/kg	NP	Surr, Fd, ProfJudg, EtoA
PYRENE	0.0047		0.0019	LOD	0.0024	LOQ	mg/kg	NP	Surr, Fd, ProfJudg, EtoA

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP17 **Laboratory: LLL**

EDD Filename: APP17-ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Reason Code Legend

Reason Code	*Description*
EtoA	Extraction to Analysis Estimation
Fd	Field Duplicate Precision
Ld	Laboratory Duplicate Precision
Mb	Method Blank Contamination
Ms	Matrix Spike Lower Estimation
Ms	Matrix Spike Precision
Ms	Matrix Spike Upper Estimation
ProfJudg	Professional Judgment
Rl	Reporting Limit Trace Value
Surr	Surrogate/Tracer Recovery Lower Estimation

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

QC Outlier Report: HoldingTimes

Lab Reporting Batch ID: APP17 **Laboratory: LLL**

EDD Filename: APP17-ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D SIM **Preparation Method: SW3546**

Matrix: SEDIMENT

Sample ID	*Type*	*Actual*	*Criteria*	*Units*	*Flag*
CH-SWSD105-SE01D-X (Reanalysis	Sampling To Extraction	32.00	14.00	DAYS	J- (all detects) R (all non-detects)

Surrogate Outlier Report

Lab Reporting Batch ID: APP17 **Laboratory: LLL**

EDD Filename: APP17-ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**
Matrix: **SEDIMENT**

Sample ID (Analysis Type)	*Surrogate*	*Sample % Recovery*	*% Recovery Limits*	*Affected Compounds*	*Flag*
CH-SWSD105-SE01D (Initial/TOT)	BENZO (A) PYRENE-D12 Fluoranthene-d10	42 43	53.00-137.00 56.00-142.00	All Base/Neutral Target Analytes	J- (all detects) UJ (all non-detects)
CH-SWSD105-SE01D-X (Reanalysis-01/ TOT)	1-Methylnaphthalene-d10 BENZO (A) PYRENE-D12 Fluoranthene-d10	19 13 14	52.00-110.00 53.00-137.00 56.00-142.00	All Base/Neutral Target Analytes	J-(all detects) UJ(all non-detects)

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP17 **Laboratory: LLL**

EDD Filename: APP17-ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SEDIMENT

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-SWSD108-SE01MS (Total) CH-SWSD108-SE01MSD (Total) (CH-SWSD108-SE01)	ALUMINUM	223	335	78.00-124.00	-	ALUMINUM	
	ARSENIC	125	157	82.00-118.00	-	ARSENIC	
	BARIUM	145	197	86.00-116.00	-	BARIUM	
	CHROMIUM	-	120	83.00-119.00	-	CHROMIUM	
	COPPER	-	120	84.00-119.00	-	COPPER	
	IRON	349	509	81.00-124.00	-	IRON	J+ (all detects)
	LEAD	-	135	84.00-118.00	-	LEAD	
	MAGNESIUM	-	130	80.00-123.00	-	MAGNESIUM	
	MANGANESE	137	200	85.00-116.00	-	MANGANESE	
	VANADIUM	-	123	82.00-116.00	-	VANADIUM	
	ZINC	196	226	82.00-119.00	-	ZINC	

Method: 8270D
Matrix: SEDIMENT

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-SWSD103-SE01MS CH-SWSD103-SE01MSD (CH-SWSD103-SE01)	4-Chloroaniline [p-Chloroaniline]	12	0	17.00-106.00	200 (20.00)	4-Chloroaniline [p-Chloroaniline]	J(all detects) UJ(all non-detects)

Lab Duplicate Outlier Report

Lab Reporting Batch ID: APP17 **Laboratory: LLL**

EDD Filename: APP17-ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SEDIMENT

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
CH-SWSD108-SE01DUP (Total) (CH-SWSD108-SE01)	ANTIMONY	21	20.00	J (all detects) UJ (all non-detects)
	BERYLLIUM	21	20.00	
	LEAD	21	20.00	
	SILVER	29	20.00	
	THALLIUM	38	20.00	

Field Duplicate RPD Report

Lab Reporting Batch ID: APP17 **Laboratory: LLL**

EDD Filename: APP17-ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SEDIMENT

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD105-SE01 (Total)	CH-SWSD105-SE01D (Total)			
ALUMINUM	15200	18100	17	30.00	
ARSENIC	4.16	4.32	4	30.00	
BARIUM	95.0	109	14	30.00	
BERYLLIUM	0.754	0.747	1	30.00	
CADMIUM	0.0906	0.0943	4	30.00	
CALCIUM	2550	2270	12	30.00	
CHROMIUM	28.4	31.8	11	30.00	
COBALT	5.68	6.04	6	30.00	
COPPER	11.6	8.89	26	30.00	
IRON	18200	18400	1	30.00	
LEAD	8.30	9.94	18	30.00	No Qualifiers Applied
MAGNESIUM	3470	3850	10	30.00	
MANGANESE	145	149	3	30.00	
NICKEL	14.0	15.5	10	30.00	
POTASSIUM	1390	1440	4	30.00	
SELENIUM	0.476	0.373	24	30.00	
SILVER	0.0428	0.0358	18	30.00	
SODIUM	198	208	5	30.00	
THALLIUM	0.224	0.242	8	30.00	
VANADIUM	51.2	57.4	11	30.00	
ZINC	37.6	37.9	1	30.00	

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD110-SE01 (Total)	CH-SWSD110-SE01D (Total)			
ALUMINUM	20500	24600	18	30.00	
ARSENIC	20.1	15.8	24	30.00	
BARIUM	116	117	1	30.00	
BERYLLIUM	3.76	3.84	2	30.00	
CADMIUM	0.692	0.684	1	30.00	
CALCIUM	5030	4630	8	30.00	
CHROMIUM	18.8	23.4	22	30.00	
COBALT	10.9	10.9	0	30.00	
COPPER	36.8	39.5	7	30.00	
IRON	20400	19400	5	30.00	No Qualifiers Applied
LEAD	75.9	80.2	6	30.00	
MAGNESIUM	2130	2690	23	30.00	
MANGANESE	321	279	14	30.00	
NICKEL	18.3	18.5	1	30.00	
POTASSIUM	1120	1490	28	30.00	
SELENIUM	3.21	3.22	0	30.00	
SILVER	0.164	0.185	12	30.00	
SODIUM	328	301	9	30.00	
VANADIUM	40.5	41.8	3	30.00	
ZINC	87.3	85.7	2	30.00	
ANTIMONY	1.45 U	0.368	200	30.00	J(all detects)
THALLIUM	0.206	0.339	49	30.00	UJ(all non-detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: APP17 **Laboratory: LLL**

EDD Filename: APP17-ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 7199
Matrix: SEDIMENT

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD110-SE01 (Total)	CH-SWSD110-SE01D (Total)			
Hexavalent Chromium [Cr (VI)]	10.5	1.4 U	200	30.00	J(all detects) UJ(all non-detects)

Method: 7471B
Matrix: SEDIMENT

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD105-SE01 (Total)	CH-SWSD105-SE01D (Total)			
MERCURY	0.0467	0.0368	24	30.00	No Qualifiers Applied

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD110-SE01 (Total)	CH-SWSD110-SE01D (Total)			
MERCURY	0.268	0.232	14	30.00	No Qualifiers Applied

Method: 8270D SIM
Matrix: SEDIMENT

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD105-SE01	CH-SWSD105-SE01D			
1-METHYLNAPHTHALENE	0.0025	0.0021	17	30.00	
2-METHYLNAPHTHALENE	0.0028	0.0020	33	30.00	
ACENAPHTHENE	0.0031	0.0046	39	30.00	
ACENAPHTHYLENE	0.0027 U	0.00072	200	30.00	
ANTHRACENE	0.0069	0.011	46	30.00	
BENZ(A)ANTHRACENE	0.020	0.030	40	30.00	
BENZO(A)PYRENE	0.020	0.027	30	30.00	
BENZO(B)FLUORANTHENE	0.033	0.041	22	30.00	
BENZO(G,H,I)PERYLENE	0.0066	0.0098	39	30.00	J(all detects)
BENZO(K)FLUORANTHENE	0.013	0.015	14	30.00	UJ(all non-detects)
CHRYSENE	0.026	0.034	27	30.00	
DIBENZO(A,H)ANTHRACENE	0.0021	0.0033	44	30.00	
FLUORANTHENE	0.044	0.060	31	30.00	
FLUORENE	0.0061	0.0082	29	30.00	
INDENO(1,2,3-CD)PYRENE	0.0071	0.011	43	30.00	
NAPHTHALENE	0.0033	0.0032	3	30.00	
PHENANTHRENE	0.024	0.035	37	30.00	
PYRENE	0.051	0.067	27	30.00	

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD105-SE01	CH-SWSD105-SE01D-X			

Field Duplicate RPD Report

Lab Reporting Batch ID: APP17 **Laboratory: LLL**

EDD Filename: APP17-ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D SIM
Matrix: SEDIMENT

1-METHYLNAPHTHALENE	0.0025	0.0024 U	200	30.00	
2-METHYLNAPHTHALENE	0.0028	0.0024 U	200	30.00	
ACENAPHTHENE	0.0031	0.0024 U	200	30.00	
ANTHRACENE	0.0069	0.00087	155	30.00	
BENZ(A)ANTHRACENE	0.020	0.0019	165	30.00	
BENZO(A)PYRENE	0.020	0.0016	170	30.00	
BENZO(B)FLUORANTHENE	0.033	0.0023	174	30.00	
BENZO(G,H,I)PERYLENE	0.0066	0.0012	138	30.00	
BENZO(K)FLUORANTHENE	0.013	0.0016	156	30.00	J(all detects) UJ(all non-detects)
CHRYSENE	0.026	0.0021	170	30.00	
DIBENZO(A,H)ANTHRACENE	0.0021	0.0024 U	200	30.00	
FLUORANTHENE	0.044	0.0048	161	30.00	
FLUORENE	0.0061	0.0024 U	200	30.00	
INDENO(1,2,3-CD)PYRENE	0.0071	0.0024 U	200	30.00	
NAPHTHALENE	0.0033	0.0024 U	200	30.00	
PHENANTHRENE	0.024	0.0032	153	30.00	
PYRENE	0.051	0.0047	166	30.00	

Method: 8270D
Matrix: SEDIMENT

Analyte	*Concentration (mg/kg)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	CH-SWSD105-SE01	**CH-SWSD105-SE01D**			
Benzo (g,h,i) perylene	0.017	0.019	11	30.00	
BENZO(B)FLUORANTHENE	0.035	0.040	13	30.00	
BENZO(K)FLUORANTHENE	0.017	0.021	21	30.00	
CHRYSENE	0.026	0.034	27	30.00	No Qualifiers Applied
DIBENZO(A,H)ANTHRACENE	0.017	0.014	19	30.00	
FLUORENE	0.007	0.009	25	30.00	
ACENAPHTHENE	0.028 U	0.007	200	30.00	
ANTHRACENE	0.012	0.018	40	30.00	
BENZ(A)ANTHRACENE	0.023	0.037	47	30.00	
BENZO(A)PYRENE	0.023	0.032	33	30.00	J(all detects)
FLUORANTHENE	0.056	0.084	40	30.00	UJ(all non-detects)
INDENO(1,2,3-CD)PYRENE	0.015	0.022	38	30.00	
PHENANTHRENE	0.035	0.054	43	30.00	
PYRENE	0.051	0.072	34	30.00	

Analyte	*Concentration (mg/kg)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	CH-SWSD110-SE01	**CH-SWSD110-SE01D**			

Field Duplicate RPD Report

Lab Reporting Batch ID: APP17 **Laboratory: LLL**

EDD Filename: APP17-ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D
Matrix: SEDIMENT

1,1-BIPHENYL	0.086	0.33	117	30.00	
1-METHYLNAPHTHALENE	0.48	2.0	123	30.00	
2-METHYLNAPHTHALENE	0.61	2.5	122	30.00	
ACENAPHTHENE	0.032	0.12	116	30.00	
ACENAPHTHYLENE	0.084	0.22	89	30.00	
ANTHRACENE	0.10	0.23	79	30.00	
BENZ(A)ANTHRACENE	0.28	0.65	80	30.00	
Benzo (g,h,i) perylene	0.17	0.43	87	30.00	
BENZO(A)PYRENE	0.24	0.54	77	30.00	
BENZO(B)FLUORANTHENE	0.58	1.2	70	30.00	J(all detects)
BENZO(K)FLUORANTHENE	0.26	0.56	73	30.00	UJ(all non-detects)
CHRYSENE	0.46	1.1	82	30.00	
DIBENZO(A,H)ANTHRACENE	0.072	0.19	90	30.00	
DIBENZOFURAN	0.16	0.64	120	30.00	
FLUORANTHENE	0.69	1.5	74	30.00	
FLUORENE	0.056	0.21	116	30.00	
INDENO(1,2,3-CD)PYRENE	0.17	0.36	72	30.00	
NAPHTHALENE	0.47	2.0	124	30.00	
PHENANTHRENE	0.36	1.2	108	30.00	
PYRENE	0.68	1.5	75	30.00	

Method: 9045D
Matrix: SEDIMENT

Analyte	Concentration (Std. Units)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD110-SE01	CH-SWSD110-SE01D			
PH	6.14	6.08	1	30.00	No Qualifiers Applied

Method: 9060A
Matrix: SEDIMENT

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD105-SE01	CH-SWSD105-SE01D			
TOTAL ORGANIC CARBON (TOC)	21100	20000	5	30.00	No Qualifiers Applied

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD110-SE01	CH-SWSD110-SE01D			
TOTAL ORGANIC CARBON (TOC)	155000	144000	7	30.00	No Qualifiers Applied

Method: Calculation
Matrix: SEDIMENT

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD110-SE01 (Total)	CH-SWSD110-SE01D (Total)			
TRIVALENT CHROMIUM	8.4	23.4	94	20.00	J(all detects) UJ(all non-detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: APP17 **Laboratory: LLL**

EDD Filename: APP17-ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: D1498
Matrix: SEDIMENT

Analyte	Concentration (mV)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD110-SE01	CH-SWSD110-SE01D			
Oxidation Reduction Potential (ORP)	269	260	3	30.00	No Qualifiers Applied

Reporting Limit Outliers

Lab Reporting Batch ID: APP17 **Laboratory: LLL**

EDD Filename: APP17-ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**

Matrix: **SEDIMENT**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD066-SE01	ANTIMONY	J	0.435	1.22	LOQ	mg/kg	J (all detects)
	ARSENIC	J	1.53	2.44	LOQ	mg/kg	
	BERYLLIUM	J	0.330	0.609	LOQ	mg/kg	
	CADMIUM	J	0.422	0.609	LOQ	mg/kg	
	SELENIUM	J	0.438	2.44	LOQ	mg/kg	
	SILVER	J	0.0780	0.609	LOQ	mg/kg	
	THALLIUM	J	0.105	0.609	LOQ	mg/kg	
CH-SWSD067-SE01	BERYLLIUM	J	0.485	0.869	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.175	0.869	LOQ	mg/kg	
	SELENIUM	J	1.33	3.47	LOQ	mg/kg	
	SILVER	J	0.143	0.869	LOQ	mg/kg	
CH-SWSD101-SE01	SELENIUM	J	1.04	1.77	LOQ	mg/kg	J (all detects)
	SILVER	J	0.101	0.443	LOQ	mg/kg	
	THALLIUM	J	0.165	0.443	LOQ	mg/kg	
CH-SWSD102-SE01	SELENIUM	J	0.396	0.921	LOQ	mg/kg	J (all detects)
CH-SWSD103-SE01	CADMIUM	J	0.186	0.423	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.795	1.69	LOQ	mg/kg	
	SILVER	J	0.0651	0.423	LOQ	mg/kg	
	THALLIUM	J	0.188	0.423	LOQ	mg/kg	
CH-SWSD104-SE01	CADMIUM	J	0.540	1.04	LOQ	mg/kg	J (all detects)
	SELENIUM	J	3.81	4.15	LOQ	mg/kg	
	SILVER	J	0.134	1.04	LOQ	mg/kg	
	THALLIUM	J	0.280	1.04	LOQ	mg/kg	
CH-SWSD105-SE01	CADMIUM	J	0.0906	0.252	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.476	1.01	LOQ	mg/kg	
	SILVER	J	0.0428	0.252	LOQ	mg/kg	
	THALLIUM	J	0.224	0.252	LOQ	mg/kg	
CH-SWSD105-SE01D	CADMIUM	J	0.0943	0.280	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.373	1.12	LOQ	mg/kg	
	SILVER	J	0.0358	0.280	LOQ	mg/kg	
	THALLIUM	J	0.242	0.280	LOQ	mg/kg	
CH-SWSD106-SE01	ANTIMONY	J	0.379	1.01	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.306	0.504	LOQ	mg/kg	
	SILVER	J	0.130	0.504	LOQ	mg/kg	
	THALLIUM	J	0.199	0.504	LOQ	mg/kg	
CH-SWSD107-SE01	ANTIMONY	J	0.376	0.843	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.212	0.421	LOQ	mg/kg	
	SELENIUM	J	1.55	1.69	LOQ	mg/kg	
	SILVER	J	0.0872	0.421	LOQ	mg/kg	
	THALLIUM	J	0.164	0.421	LOQ	mg/kg	
CH-SWSD108-SE01	ANTIMONY	J	0.374	1.46	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.729	0.731	LOQ	mg/kg	
	SELENIUM	J	2.29	2.92	LOQ	mg/kg	
	SILVER	J	0.129	0.731	LOQ	mg/kg	
	THALLIUM	J	0.293	0.731	LOQ	mg/kg	
CH-SWSD109-SE01	ANTIMONY	J	0.559	1.72	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.838	0.862	LOQ	mg/kg	
	SELENIUM	J	3.37	3.45	LOQ	mg/kg	
	SILVER	J	0.148	0.862	LOQ	mg/kg	
	THALLIUM	J	0.256	0.862	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP17 **Laboratory: LLL**

EDD Filename: APP17-ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: SEDIMENT

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD110-SE01	CADMIUM	J	0.692	0.724	LOQ	mg/kg	
	SILVER	J	0.164	0.724	LOQ	mg/kg	J (all detects)
	THALLIUM	J	0.206	0.724	LOQ	mg/kg	
CH-SWSD110-SE01D	ANTIMONY	J	0.368	0.982	LOQ	mg/kg	
	SILVER	J	0.185	0.491	LOQ	mg/kg	J (all detects)
	THALLIUM	J	0.339	0.491	LOQ	mg/kg	

Method: 7471B

Matrix: SEDIMENT

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD066-SE01	MERCURY	J	0.0975	0.308	LOQ	mg/kg	J (all detects)
CH-SWSD067-SE01	MERCURY	J	0.167	0.464	LOQ	mg/kg	J (all detects)
CH-SWSD101-SE01	MERCURY	J	0.168	0.272	LOQ	mg/kg	J (all detects)
CH-SWSD102-SE01	MERCURY	J	0.0159	0.125	LOQ	mg/kg	J (all detects)
CH-SWSD103-SE01	MERCURY	J	0.116	0.223	LOQ	mg/kg	J (all detects)
CH-SWSD104-SE01	MERCURY	J	0.283	0.515	LOQ	mg/kg	J (all detects)
CH-SWSD105-SE01	MERCURY	J	0.0467	0.152	LOQ	mg/kg	J (all detects)
CH-SWSD105-SE01D	MERCURY	J	0.0368	0.139	LOQ	mg/kg	J (all detects)
CH-SWSD106-SE01	MERCURY	J	0.175	0.295	LOQ	mg/kg	J (all detects)
CH-SWSD107-SE01	MERCURY	J	0.128	0.238	LOQ	mg/kg	J (all detects)
CH-SWSD108-SE01	MERCURY	J	0.189	0.421	LOQ	mg/kg	J (all detects)
CH-SWSD109-SE01	MERCURY	J	0.244	0.481	LOQ	mg/kg	J (all detects)
CH-SWSD110-SE01	MERCURY	J	0.268	0.382	LOQ	mg/kg	J (all detects)
CH-SWSD110-SE01D	MERCURY	J	0.232	0.333	LOQ	mg/kg	J (all detects)

Method: 8270D

Matrix: SEDIMENT

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD066-SE01	ACENAPHTHENE	J	0.13	0.28	LOQ	mg/kg	
	CARBAZOLE	J	0.41	0.54	LOQ	mg/kg	
	FLUORENE	J	0.12	0.28	LOQ	mg/kg	J (all detects)
	NAPHTHALENE	J	0.091	0.28	LOQ	mg/kg	
CH-SWSD067-SE01	ACENAPHTHENE	J	0.10	0.42	LOQ	mg/kg	
	FLUORENE	J	0.088	0.42	LOQ	mg/kg	J (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP17 **Laboratory: LLL**

EDD Filename: APP17-ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D

Matrix: SEDIMENT

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD101-SE01	1-METHYLNAPHTHALENE	J	0.060	0.23	LOQ	mg/kg	
	2-METHYLNAPHTHALENE	J	0.061	0.23	LOQ	mg/kg	
	ACENAPHTHENE	J	0.052	0.23	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.15	0.23	LOQ	mg/kg	
	ANTHRACENE	J	0.15	0.23	LOQ	mg/kg	J (all detects)
	Benzo (g,h,i) perylene	J	0.22	0.23	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.11	0.23	LOQ	mg/kg	
	NAPHTHALENE	J	0.12	0.23	LOQ	mg/kg	
	PHENANTHRENE	J	0.19	0.23	LOQ	mg/kg	
CH-SWSD102-SE01	ACENAPHTHENE	J	0.010	0.022	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.008	0.022	LOQ	mg/kg	
	ANTHRACENE	J	0.007	0.022	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.012	0.022	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.018	0.022	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.015	0.022	LOQ	mg/kg	J (all detects)
	DIBENZO(A,H)ANTHRACENE	J	0.007	0.022	LOQ	mg/kg	
	FLUORENE	J	0.007	0.022	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.013	0.022	LOQ	mg/kg	
	NAPHTHALENE	J	0.009	0.022	LOQ	mg/kg	
	PHENANTHRENE	J	0.017	0.022	LOQ	mg/kg	
CH-SWSD103-SE01	1-METHYLNAPHTHALENE	J	0.018	0.039	LOQ	mg/kg	
	2-METHYLNAPHTHALENE	J	0.016	0.039	LOQ	mg/kg	
	ACENAPHTHENE	J	0.027	0.039	LOQ	mg/kg	J (all detects)
	CARBAZOLE	J	0.055	0.076	LOQ	mg/kg	
	FLUORENE	J	0.030	0.039	LOQ	mg/kg	
	NAPHTHALENE	J	0.030	0.039	LOQ	mg/kg	
CH-SWSD104-SE01	2-METHYLNAPHTHALENE	J	0.018	0.088	LOQ	mg/kg	
	ACENAPHTHENE	J	0.020	0.088	LOQ	mg/kg	J (all detects)
	ANTHRACENE	J	0.064	0.088	LOQ	mg/kg	
	NAPHTHALENE	J	0.020	0.088	LOQ	mg/kg	
CH-SWSD105-SE01	ANTHRACENE	J	0.012	0.028	LOQ	mg/kg	
	BENZ(A)ANTHRACENE	J	0.023	0.028	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.017	0.028	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.023	0.028	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.017	0.028	LOQ	mg/kg	J (all detects)
	CHRYSENE	J	0.026	0.028	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.017	0.028	LOQ	mg/kg	
	FLUORENE	J	0.007	0.028	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.015	0.028	LOQ	mg/kg	
CH-SWSD105-SE01D	ACENAPHTHENE	J	0.007	0.025	LOQ	mg/kg	
	ANTHRACENE	J	0.018	0.025	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.019	0.025	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.021	0.025	LOQ	mg/kg	J (all detects)
	DIBENZO(A,H)ANTHRACENE	J	0.014	0.025	LOQ	mg/kg	
	FLUORENE	J	0.009	0.025	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.022	0.025	LOQ	mg/kg	
CH-SWSD106-SE01	2-Methylphenol (o-Cresol)	J	0.075	0.10	LOQ	mg/kg	
	3/4-Methylphenol [m/p-Cresol]	J	0.070	0.10	LOQ	mg/kg	J (all detects)
	BENZALDEHYDE	J	0.41	0.50	LOQ	mg/kg	
	BENZOIC ACID	J	0.88	1.5	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP17 **Laboratory: LLL**

EDD Filename: APP17-ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D

Matrix: SEDIMENT

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD107-SE01	1,1-BIPHENYL	J	0.36	0.39	LOQ	mg/kg	
	ACENAPHTHENE	J	0.12	0.20	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.096	0.20	LOQ	mg/kg	
	ANTHRACENE	J	0.10	0.20	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.15	0.20	LOQ	mg/kg	J (all detects)
	BENZO(K)FLUORANTHENE	J	0.19	0.20	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.055	0.20	LOQ	mg/kg	
	FLUORENE	J	0.19	0.20	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.13	0.20	LOQ	mg/kg	
CH-SWSD108-SE01	ACENAPHTHENE	J	0.019	0.077	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.054	0.077	LOQ	mg/kg	
	ANTHRACENE	J	0.058	0.077	LOQ	mg/kg	J (all detects)
	DIBENZO(A,H)ANTHRACENE	J	0.057	0.077	LOQ	mg/kg	
	FLUORENE	J	0.021	0.077	LOQ	mg/kg	
CH-SWSD109-SE01	ACENAPHTHENE	J	0.028	0.087	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.077	0.087	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.081	0.087	LOQ	mg/kg	J (all detects)
	DIBENZOFURAN	J	0.15	0.17	LOQ	mg/kg	
	FLUORENE	J	0.043	0.087	LOQ	mg/kg	
CH-SWSD110-SE01	1,1-BIPHENYL	J	0.086	0.13	LOQ	mg/kg	
	ACENAPHTHENE	J	0.032	0.068	LOQ	mg/kg	J (all detects)
	FLUORENE	J	0.056	0.068	LOQ	mg/kg	
CH-SWSD110-SE01D	1,1-BIPHENYL	J	0.33	0.60	LOQ	mg/kg	
	ACENAPHTHENE	J	0.12	0.31	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.22	0.31	LOQ	mg/kg	J (all detects)
	ANTHRACENE	J	0.23	0.31	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.19	0.31	LOQ	mg/kg	
	FLUORENE	J	0.21	0.31	LOQ	mg/kg	

Method: 8270D SIM

Matrix: SEDIMENT

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD102-SE01	2-METHYLNAPHTHALENE	J	0.0015	0.0022	LOQ	mg/kg	J (all detects)
	DIBENZO(A,H)ANTHRACENE	J	0.0020	0.0022	LOQ	mg/kg	
CH-SWSD105-SE01	1-METHYLNAPHTHALENE	J	0.0025	0.0027	LOQ	mg/kg	J (all detects)
	DIBENZO(A,H)ANTHRACENE	J	0.0021	0.0027	LOQ	mg/kg	
CH-SWSD105-SE01D	1-METHYLNAPHTHALENE	J	0.0021	0.0025	LOQ	mg/kg	
	2-METHYLNAPHTHALENE	J	0.0020	0.0025	LOQ	mg/kg	J (all detects)
	ACENAPHTHYLENE	J	0.00072	0.0025	LOQ	mg/kg	
CH-SWSD105-SE01D-X	ANTHRACENE	J	0.00087	0.0024	LOQ	mg/kg	
	BENZ(A)ANTHRACENE	J	0.0019	0.0024	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.0016	0.0024	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.0023	0.0024	LOQ	mg/kg	J (all detects)
	BENZO(G,H,I)PERYLENE	J	0.0012	0.0024	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.0016	0.0024	LOQ	mg/kg	
	CHRYSENE	J	0.0021	0.0024	LOQ	mg/kg	

Method Blank Outlier Report

Lab Reporting Batch ID: APP17 **Laboratory: LLL**

EDD Filename: APP17-ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**
Matrix: **SEDIMENT**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P15763AB157063701	6/15/2017 1:17:00 PM	CHROMIUM COPPER	0.150 mg/kg 0.128 mg/kg	CH-SWSD066-SE01 CH-SWSD067-SE01 CH-SWSD101-SE01 CH-SWSD102-SE01 CH-SWSD103-SE01 CH-SWSD104-SE01 CH-SWSD105-SE01 CH-SWSD105-SE01D CH-SWSD106-SE01 CH-SWSD107-SE01 CH-SWSD108-SE01 CH-SWSD109-SE01 CH-SWSD110-SE01 CH-SWSD110-SE01D

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Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page	1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.		
Laboratory SDG:	APP18		
Date(s) of Collection:	June 2nd, 2017		
Number/Type Samples & Analyses:	4 sediment samples for a project-specific list of SVOCs, PAHs, hexavalent chromium, and metals		
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA		
Completed:	November 21st, 2017		

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for sediment data included in Sample Delivery Group (SDG) APP18. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017.

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✓ Holding times and sample preservation

✓ Laboratory method blank data

✓ Field rinsate blank data

NA Trip blank data

✓ Laboratory control sample (LCS) recoveries

✓ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✓ Surrogate recoveries

✓ Laboratory duplicate results

✓ Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of “J” data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

Samples CH-SWSD072-SE01, CH-SWSD073-SE01, and CH-SWSD074-SE01 samples were analyzed by regular SW8270D and 8270D SIM. The final results will be presented in SIM.

Sample CH-SWSD074-SE01 was analyzed for 8270D however the shift ending calibration check (SECC) exceeded the +/- 50% of the expected value from the ICAL (indicating matrix effect). Samples were re-analyzed with the SECC marginally exceeding the +/- 50% of the expected value from the ICAL. Both set of results are comparable. The initial results will be presented.

This data package was revised 11/9/2017 due to the Eurofins SW6020A metals data breach. The majority of the data changes were made to Quality Control (QC) and/or calibration checks, not to actual sample results. The few field sample result changes were due to the originally reported result exceeding the linear calibration range of the instrument; those results were changed to be slightly lower than the upper limit of the calibration range.

In this package, the percent recovery for vanadium in the low level check standard was not within QC specification. All vanadium results were above LOQ. The percent recovery for calcium in the CCV was above QC specification.

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP18 **Laboratory: LLL**

EDD Filename: APP18-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Validation Area	*Note*
Technical Holding Times	A
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	SR
Surrogate/Tracer Spikes	A
Matrix Spike/Matrix Spike Duplicates	N
Laboratory Duplicates	N
Laboratory Replicates	N
Laboratory Control Samples	A
Compound Quantitation	SR
Field Duplicates	N
Field Triplicates	N
Field Blanks	A

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP18 **Laboratory: LLL**

EDD Filename: APP18-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SEDIMENT

Sample ID: CH-SWSD071-SE01 **Collected:** 6/2/2017 10:45:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.951	J	0.569	LOD	1.14	LOQ	mg/kg	J	RI
SELENIUM	1.09	J	0.569	LOD	2.28	LOQ	mg/kg	J	RI
THALLIUM	0.117	J	0.142	LOD	0.569	LOQ	mg/kg	J	RI
SILVER	0.144	J	0.142	LOD	0.569	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD071-SE01 **Collected:** 6/2/2017 10:45:00 AM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.520	J	0.142	LOD	0.569	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD072-SE01 **Collected:** 6/2/2017 10:52:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.122	J	0.294	LOD	0.587	LOQ	mg/kg	J	RI
SELENIUM	1.52	J	0.587	LOD	2.35	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD072-SE01 **Collected:** 6/2/2017 10:52:00 AM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.401	J	0.147	LOD	0.587	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD073-SE01 **Collected:** 6/2/2017 11:15:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.38	J	1.70	LOD	3.40	LOQ	mg/kg	J	RI
SELENIUM	1.34	J	0.850	LOD	3.40	LOQ	mg/kg	J	RI
SILVER	0.124	J	0.212	LOD	0.850	LOQ	mg/kg	J	RI
ZINC	14.4	J	12.7	LOD	25.5	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD073-SE01 **Collected:** 6/2/2017 11:15:00 AM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.345	J	0.212	LOD	0.850	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP18 **Laboratory: LLL**

EDD Filename: APP18-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix: SEDIMENT**

Sample ID: CH-SWSD073-SE01 **Collected:** 6/2/2017 11:15:00 AM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COBALT	0.594	J	0.425	LOD	0.850	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD074-SE01 **Collected:** 6/2/2017 11:30:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0808	J	0.188	LOD	0.376	LOQ	mg/kg	J	RI
SELENIUM	1.24	J	0.376	LOD	1.50	LOQ	mg/kg	J	RI
SILVER	0.0759	J	0.0939	LOD	0.376	LOQ	mg/kg	J	RI
THALLIUM	0.114	J	0.0939	LOD	0.376	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD074-SE01 **Collected:** 6/2/2017 11:30:00 AM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	140	J	37.6	LOD	150	LOQ	mg/kg	J	RI

Method Category: METALS

Method: 7471B **Matrix: SEDIMENT**

Sample ID: CH-SWSD071-SE01 **Collected:** 6/2/2017 10:45:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.205	J	0.0550	LOD	0.330	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD073-SE01 **Collected:** 6/2/2017 11:15:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.216	J	0.0766	LOD	0.460	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD074-SE01 **Collected:** 6/2/2017 11:30:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0833	J	0.0351	LOD	0.211	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP18 **Laboratory: LLL**

EDD Filename: APP18-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix: SEDIMENT**

Sample ID: CH-SWSD071-SE01 **Collected:** 6/2/2017 10:45:00 AM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.060	J	0.11	LOD	0.11	LOQ	mg/kg	J	RI
BENZOIC ACID	1.3	J	1.7	LOD	1.7	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD071-SE01 **Collected:** 6/2/2017 10:45:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZALDEHYDE	0.35	J	0.45	LOD	0.56	LOQ	mg/kg	J	RI
CARBAZOLE	0.090	J	0.11	LOD	0.11	LOQ	mg/kg	J	RI
DIBENZOFURAN	0.080	J	0.11	LOD	0.11	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD072-SE01 **Collected:** 6/2/2017 10:52:00 AM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	1.1	J	1.9	LOD	1.9	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD072-SE01 **Collected:** 6/2/2017 10:52:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.026	U	0.026	LOD	0.065	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.026	U	0.026	LOD	0.065	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.026	U	0.026	LOD	0.065	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.037	J	0.026	LOD	0.065	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.059	J	0.026	LOD	0.065	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.18		0.026	LOD	0.065	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.091		0.026	LOD	0.065	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.13		0.026	LOD	0.065	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.37		0.026	LOD	0.065	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.14		0.026	LOD	0.065	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.30		0.026	LOD	0.065	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.026	J	0.026	LOD	0.065	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.41		0.026	LOD	0.065	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.017	J	0.026	LOD	0.065	LOQ	mg/kg	NP	RI, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP18 **Laboratory: LLL**

EDD Filename: APP18-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD072-SE01 **Collected:** 6/2/2017 10:52:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
INDENO(1,2,3-CD)PYRENE	0.10		0.026	LOD	0.065	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.026	U	0.026	LOD	0.065	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.16		0.026	LOD	0.065	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.36		0.026	LOD	0.065	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD073-SE01 **Collected:** 6/2/2017 11:15:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.031	U	0.031	LOD	0.079	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.031	U	0.031	LOD	0.079	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.031	U	0.031	LOD	0.079	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.021	J	0.031	LOD	0.079	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.018	J	0.031	LOD	0.079	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.052	J	0.031	LOD	0.079	LOQ	mg/kg	NP	RI, ProfJudg
Benzo (g,h,i) perylene	0.049	J	0.031	LOD	0.079	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.043	J	0.031	LOD	0.079	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.081		0.031	LOD	0.079	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.036	J	0.031	LOD	0.079	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.068	J	0.031	LOD	0.079	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.050	J	0.031	LOD	0.079	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.093		0.031	LOD	0.079	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.031	U	0.031	LOD	0.079	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.041	J	0.031	LOD	0.079	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.031	U	0.031	LOD	0.079	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.055	J	0.031	LOD	0.079	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.090		0.031	LOD	0.079	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD074-SE01 **Collected:** 6/2/2017 11:30:00 AM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.43	J	1.1	LOD	1.1	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP18 **Laboratory: LLL**

EDD Filename: APP18-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD074-SE01 **Collected:** 6/2/2017 11:30:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.014	U	0.014	LOD	0.037	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.014	U	0.014	LOD	0.037	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.014	U	0.014	LOD	0.037	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.014	U	0.014	LOD	0.037	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.012	J	0.014	LOD	0.037	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.018	J	0.014	LOD	0.037	LOQ	mg/kg	NP	RI, ProfJudg
Benzo (g,h,i) perylene	0.019	J	0.014	LOD	0.037	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.018	J	0.014	LOD	0.037	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.035	J	0.014	LOD	0.037	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.012	J	0.014	LOD	0.037	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.019	J	0.014	LOD	0.037	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.026	J	0.014	LOD	0.037	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.028	J	0.014	LOD	0.037	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.014	U	0.014	LOD	0.037	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.022	J	0.014	LOD	0.037	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.014	U	0.014	LOD	0.037	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.016	J	0.014	LOD	0.037	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.026	J	0.014	LOD	0.037	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: CH-SWSD074-SE01 **Collected:** 6/2/2017 11:30:00 AM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.072	U	0.072	LOD	0.072	LOQ	mg/kg	NP	ProfJudg
2-Methylphenol (o-Cresol)	0.072	U	0.072	LOD	0.072	LOQ	mg/kg	NP	ProfJudg
4-Chloroaniline [p-Chloroaniline]	0.14	U	0.14	LOD	0.14	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD074-SE01 **Collected:** 6/2/2017 11:30:00 AM **Analysis Type:** Reanalysis-01/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.072	U	0.072	LOD	0.072	LOQ	mg/kg	NP	ProfJudg
4-CHLORO-3-METHYLPHENOL	0.072	U	0.072	LOD	0.072	LOQ	mg/kg	NP	ProfJudg
BENZOIC ACID	0.45	J	1.1	LOD	1.1	LOQ	mg/kg	NP	RI, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP18 **Laboratory: LLL**

EDD Filename: APP18-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD074-SE01** ***Collected:*** **6/2/2017 11:30:00 AM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1,4-DICHLOROBENZENE	0.072	U	0.072	LOD	0.072	LOQ	mg/kg	NP	ProfJudg
1-METHYLNAPHTHALENE	0.014	U	0.014	LOD	0.037	LOQ	mg/kg	NP	ProfJudg
2-CHLORONAPHTHALENE	0.029	U	0.029	LOD	0.071	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.014	U	0.014	LOD	0.037	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.014	U	0.014	LOD	0.037	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.014	U	0.014	LOD	0.037	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.014	U	0.014	LOD	0.037	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.014	J	0.014	LOD	0.037	LOQ	mg/kg	NP	RI, ProfJudg
BENZALDEHYDE	0.29	U	0.29	LOD	0.36	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.008	J	0.014	LOD	0.037	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.016	J	0.014	LOD	0.037	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.019	J	0.014	LOD	0.037	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.013	J	0.014	LOD	0.037	LOQ	mg/kg	NP	RI, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	0.29	U	0.29	LOD	0.37	LOQ	mg/kg	NP	ProfJudg
Butyl benzyl phthalate	0.29	U	0.29	LOD	0.36	LOQ	mg/kg	NP	ProfJudg
CAPROLACTAM	0.29	U	0.29	LOD	0.36	LOQ	mg/kg	NP	ProfJudg
CARBAZOLE	0.072	U	0.072	LOD	0.072	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.018	J	0.014	LOD	0.037	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.009	J	0.014	LOD	0.037	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZOFURAN	0.072	U	0.072	LOD	0.072	LOQ	mg/kg	NP	ProfJudg
DIETHYL PHTHALATE	0.29	U	0.29	LOD	0.36	LOQ	mg/kg	NP	ProfJudg
DIMETHYL PHTHALATE	0.29	U	0.29	LOD	0.36	LOQ	mg/kg	NP	ProfJudg
DI-N-BUTYL PHTHALATE	0.29	U	0.29	LOD	0.36	LOQ	mg/kg	NP	ProfJudg
DI-N-OCTYL PHTHALATE	0.29	U	0.29	LOD	0.36	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.025	J	0.014	LOD	0.037	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.014	U	0.014	LOD	0.037	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.014	J	0.014	LOD	0.037	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.014	U	0.014	LOD	0.037	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.016	J	0.014	LOD	0.037	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.024	J	0.014	LOD	0.037	LOQ	mg/kg	NP	RI, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP18 **Laboratory: LLL**

EDD Filename: APP18-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SEDIMENT

Sample ID: CH-SWSD072-SE01 **Collected:** 6/2/2017 10:52:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0057	J	0.0051	LOD	0.0064	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD073-SE01 **Collected:** 6/2/2017 11:15:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.0036	J	0.0062	LOD	0.0077	LOQ	mg/kg	J	RI
BENZO(G,H,I)PERYLENE	0.0076	J	0.0062	LOD	0.0077	LOQ	mg/kg	J	RI
NAPHTHALENE	0.0057	J	0.0062	LOD	0.0077	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD074-SE01 **Collected:** 6/2/2017 11:30:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.0016	J	0.0029	LOD	0.0036	LOQ	mg/kg	J	RI
BENZO(G,H,I)PERYLENE	0.0026	J	0.0029	LOD	0.0036	LOQ	mg/kg	J	RI
INDENO(1,2,3-CD)PYRENE	0.0030	J	0.0029	LOD	0.0036	LOQ	mg/kg	J	RI
NAPHTHALENE	0.0029	J	0.0029	LOD	0.0036	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP18 **Laboratory: LLL**

EDD Filename: APP18-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Reason Code Legend

Reason Code	*Description*
Mb	Method Blank Contamination
ProfJudg	Professional Judgment
RI	Reporting Limit Trace Value

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Method Blank Outlier Report

Lab Reporting Batch ID: APP18 **Laboratory: LLL**

EDD Filename: APP18-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**
Matrix: **SEDIMENT**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P15763AB157063701	6/15/2017 1:17:00 PM	CHROMIUM COPPER	0.150 mg/kg 0.128 mg/kg	CH-SWSD071-SE01 CH-SWSD072-SE01 CH-SWSD073-SE01 CH-SWSD074-SE01

Data Review Summary

Lab Reporting Batch ID: APP19 **Laboratory: LLL**

EDD Filename: APP19-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Validation Area	*Note*
Technical Holding Times	A
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	SR
Surrogate/Tracer Spikes	A
Matrix Spike/Matrix Spike Duplicates	N
Laboratory Duplicates	N
Laboratory Replicates	N
Laboratory Control Samples	A
Compound Quantitation	SR
Field Duplicates	N
Field Triplicates	N
Field Blanks	N

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP19 **Laboratory: LLL**

EDD Filename: APP19-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD073-SW01** ***Collected:*** **6/2/2017 10:45:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.16	J	0.25	LOD	1.0	LOQ	ug/l	J	RI
COBALT	0.56	J	0.50	LOD	1.0	LOQ	ug/l	J	RI
IRON	93.5	J	100	LOD	200	LOQ	ug/l	J	RI
LEAD	0.27	J	0.25	LOD	2.0	LOQ	ug/l	J	RI
NICKEL	1.5	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
ZINC	17.6	J	7.5	LOD	30.0	LOQ	ug/l	J	RI
CHROMIUM	0.90	J	2.0	LOD	4.0	LOQ	ug/l	J	RI

Sample ID: **CH-SWSD073-SW01** ***Collected:*** **6/2/2017 10:45:00 AM** ***Analysis Type:*** **Reanalysis-01/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	0.77	J	1.0	LOD	4.0	LOQ	ug/l	J	RI

Sample ID: **CH-SWSD074-SW01** ***Collected:*** **6/2/2017 11:20:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.16	J	0.25	LOD	1.0	LOQ	ug/l	J	RI
CHROMIUM	0.86	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
COBALT	0.60	J	0.50	LOD	1.0	LOQ	ug/l	J	RI
IRON	105	J	100	LOD	200	LOQ	ug/l	J	RI
LEAD	0.34	J	0.25	LOD	2.0	LOQ	ug/l	J	RI
NICKEL	1.3	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
ZINC	15.9	J	7.5	LOD	30.0	LOQ	ug/l	J	RI

Sample ID: **CH-SWSD074-SW01** ***Collected:*** **6/2/2017 11:20:00 AM** ***Analysis Type:*** **Reanalysis-01/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	0.59	J	1.0	LOD	4.0	LOQ	ug/l	J	RI

Sample ID: **CH-SWSD074-SW01-F** ***Collected:*** **6/2/2017 11:20:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.14	J	0.25	LOD	1.0	LOQ	ug/l	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP19 **Laboratory: LLL**

EDD Filename: APP19-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix: WATER**

Sample ID: CH-SWSD074-SW01-F **Collected:** 6/2/2017 11:20:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	0.88	J	2.0	LOD	4.0	LOQ	ug/l	U	Mb
COBALT	0.55	J	0.50	LOD	1.0	LOQ	ug/l	J	RI
COPPER	0.81	J	1.0	LOD	4.0	LOQ	ug/l	J	RI
IRON	81.3	J	100	LOD	200	LOQ	ug/l	J	RI
LEAD	0.24	J	0.25	LOD	2.0	LOQ	ug/l	J	RI
NICKEL	1.2	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
ZINC	22.4	J	7.5	LOD	30.0	LOQ	ug/l	J	RI

Method Category: SVOA

Method: 8270D **Matrix: WATER**

Sample ID: CH-SWSD073-SW01 **Collected:** 6/2/2017 10:45:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.52	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP19 **Laboratory: LLL**

EDD Filename: APP19-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD074-SW01** ***Collected:*** **6/2/2017 11:20:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

Sample ID: **CH-SWSD074-SW01-F** ***Collected:*** **6/2/2017 11:20:00 AM** ***Analysis Type:*** **Initial/DIS-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP19 **Laboratory: LLL**

EDD Filename: APP19-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD074-SW01-F** ***Collected:*** **6/2/2017 11:20:00 AM** ***Analysis Type:*** **Initial/DIS-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
DI-N-BUTYL PHTHALATE	2.5	J	4.1	LOD	5.1	LOQ	ug/l	J	RI
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP19 **Laboratory: LLL**

EDD Filename: APP19-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Reason Code Legend

Reason Code	*Description*
Mb	Method Blank Contamination
ProfJudg	Professional Judgment
RI	Reporting Limit Trace Value

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Reporting Limit Outliers

Lab Reporting Batch ID: APP19 **Laboratory: LLL**

EDD Filename: APP19-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD073-SW01	BERYLLIUM	J	0.16	1.0	LOQ	ug/l	J (all detects)
	CHROMIUM	J	0.90	4.0	LOQ	ug/l	
	COBALT	J	0.56	1.0	LOQ	ug/l	
	COPPER	J	0.77	4.0	LOQ	ug/l	
	IRON	J	93.5	200	LOQ	ug/l	
	LEAD	J	0.27	2.0	LOQ	ug/l	
	NICKEL	J	1.5	4.0	LOQ	ug/l	
	ZINC	J	17.6	30.0	LOQ	ug/l	
CH-SWSD074-SW01	BERYLLIUM	J	0.16	1.0	LOQ	ug/l	J (all detects)
	CHROMIUM	J	0.86	4.0	LOQ	ug/l	
	COBALT	J	0.60	1.0	LOQ	ug/l	
	COPPER	J	0.59	4.0	LOQ	ug/l	
	IRON	J	105	200	LOQ	ug/l	
	LEAD	J	0.34	2.0	LOQ	ug/l	
	NICKEL	J	1.3	4.0	LOQ	ug/l	
	ZINC	J	15.9	30.0	LOQ	ug/l	
CH-SWSD074-SW01-F	BERYLLIUM	J	0.14	1.0	LOQ	ug/l	J (all detects)
	CHROMIUM	J	0.88	4.0	LOQ	ug/l	
	COBALT	J	0.55	1.0	LOQ	ug/l	
	COPPER	J	0.81	4.0	LOQ	ug/l	
	IRON	J	81.3	200	LOQ	ug/l	
	LEAD	J	0.24	2.0	LOQ	ug/l	
	NICKEL	J	1.2	4.0	LOQ	ug/l	
	ZINC	J	22.4	30.0	LOQ	ug/l	

Method: 8270D

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD074-SW01-F	DI-N-BUTYL PHTHALATE	J	2.5	5.1	LOQ	ug/l	J (all detects)

Method Blank Outlier Report

Lab Reporting Batch ID: APP19 **Laboratory: LLL**

EDD Filename: APP19-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**
Matrix: **WATER**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P15663DB156106304	6/9/2017 8:48:00 PM	CHROMIUM	0.65 ug/l	CH-SWSD074-SW01-F

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
CH-SWSD074-SW01-F(Initial/DIS)	CHROMIUM	0.88 ug/l	4.0U ug/l

Method: **7470A**
Matrix: **WATER**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P15671CB156057103	6/7/2017 3:31:00 AM	MERCURY	0.051 ug/l	CH-SWSD074-SW01-F

Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page 1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.	
Laboratory SDG:	APP19	
Date(s) of Collection:	June 2nd, 2017	
Number/Type Samples & Analyses:	3 surface water samples for a project-specific list of SVOCs, PAHs, hexavalent chromium, and metals	
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA	
Completed:	November 21, 2017	

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for surface water data included in Sample Delivery Group (SDG) APP19. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017.

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✓ Holding times and sample preservation

✓ Laboratory method blank data

✓ Field rinsate blank data

NA Trip blank data

x Laboratory control sample (LCS) recoveries

NA Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✓ Surrogate recoveries

✓ Laboratory duplicate results

NA Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of "J" data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

All the surface water samples were run for regular 8270 and 8270 SIM. The final results will be presented in 8270 SIM.

This data package was revised 11/9/2017 due to the Eurofins SW6020A metals data breach. The majority of the data changes were made to Quality Control (QC) and/or calibration checks, not to actual sample results. The few field sample result changes were due to the originally reported result exceeding the linear calibration range of the instrument; those results were changed to be slightly lower than the upper limit of the calibration range.

In this package, the silver LCS percent recovery was lower in the corrected data package. Only qualifiers for silver changed.

Qualifier	Explanation
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP19 **Laboratory: LLL**

EDD Filename: APP19-D_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Validation Area	*Note*
Technical Holding Times	A
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	SR
Surrogate/Tracer Spikes	A
Matrix Spike/Matrix Spike Duplicates	N
Laboratory Duplicates	N
Laboratory Replicates	N
Laboratory Control Samples	SR
Compound Quantitation	SR
Field Duplicates	N
Field Triplicates	N
Field Blanks	N

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP19 **Laboratory: LLL**

EDD Filename: APP19-D_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD073-SW01** ***Collected:*** **6/2/2017 10:45:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.16	J	0.25	LOD	1.0	LOQ	ug/L	J	RI
COBALT	0.56	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
IRON	93.5	J	100	LOD	200	LOQ	ug/L	J	RI
LEAD	0.27	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	1.5	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
ZINC	17.6	J	7.5	LOD	30.0	LOQ	ug/L	J	RI
CHROMIUM	0.90	J	2.0	LOD	4.0	LOQ	ug/L	J	RI

Sample ID: **CH-SWSD073-SW01** ***Collected:*** **6/2/2017 10:45:00 AM** ***Analysis Type:*** **Reanalysis-01/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	0.77	J	1.0	LOD	4.0	LOQ	ug/L	J	RI

Sample ID: **CH-SWSD074-SW01** ***Collected:*** **6/2/2017 11:20:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.16	J	0.25	LOD	1.0	LOQ	ug/L	J	RI
CHROMIUM	0.86	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
COBALT	0.60	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
IRON	105	J	100	LOD	200	LOQ	ug/L	J	RI
LEAD	0.34	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	1.3	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
ZINC	15.9	J	7.5	LOD	30.0	LOQ	ug/L	J	RI

Sample ID: **CH-SWSD074-SW01** ***Collected:*** **6/2/2017 11:20:00 AM** ***Analysis Type:*** **Reanalysis-01/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	0.59	J	1.0	LOD	4.0	LOQ	ug/L	J	RI

Sample ID: **CH-SWSD074-SW01-F** ***Collected:*** **6/2/2017 11:20:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.14	J	0.25	LOD	1.0	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP19 **Laboratory: LLL**

EDD Filename: APP19-D_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix: WATER**

Sample ID: CH-SWSD074-SW01-F **Collected:** 6/2/2017 11:20:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	0.88	J	2.0	LOD	4.0	LOQ	ug/L	U	Mb
COBALT	0.55	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
COPPER	0.81	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
IRON	81.3	J	100	LOD	200	LOQ	ug/L	J	RI
LEAD	0.24	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	1.2	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
ZINC	22.4	J	7.5	LOD	30.0	LOQ	ug/L	J	RI

Sample ID: CH-SWSD074-SW01-F **Collected:** 6/2/2017 11:20:00 AM **Analysis Type:** Reanalysis-01/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	Lcs

Method Category: SVOA

Method: 8270D **Matrix: WATER**

Sample ID: CH-SWSD073-SW01 **Collected:** 6/2/2017 10:45:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP19 **Laboratory: LLL**

EDD Filename: APP19-D_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD073-SW01 **Collected:** 6/2/2017 10:45:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.52	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD074-SW01 **Collected:** 6/2/2017 11:20:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD074-SW01-F **Collected:** 6/2/2017 11:20:00 AM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP19 **Laboratory: LLL**

EDD Filename: APP19-D_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD074-SW01-F** ***Collected:*** **6/2/2017 11:20:00 AM** ***Analysis Type:*** **Initial/DIS-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DI-N-BUTYL PHTHALATE	2.5	J	4.1	LOD	5.1	LOQ	ug/L	J	RI
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP19 **Laboratory: LLL**

EDD Filename: APP19-D_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Reason Code Legend

Reason Code	*Description*
Lcs	Laboratory Control Spike Lower Estimation
Mb	Method Blank Contamination
ProfJudg	Professional Judgment
RI	Reporting Limit Trace Value

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP19 **Laboratory: LLL**

EDD Filename: APP19-D_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**
Matrix: **WATER**

QC Sample ID (Associated Samples)	*Compound*	*LCS %R*	*LCSD %R*	*%R Limits*	*RPD (Limits)*	*Affected Compounds*	*Flag*
P15663DQ156063904 (Total) (CH-SWSD074-SW01-F)	SILVER	61	-	85.00-116.00	-	SILVER	J- (all detects) UJ (all non-detects)

Method Blank Outlier Report

Lab Reporting Batch ID: APP19 **Laboratory: LLL**

EDD Filename: APP19-D_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**
Matrix: **WATER**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P15663DB156063904	6/9/2017 8:48:00 PM	CHROMIUM	0.65 ug/L	CH-SWSD074-SW01-F

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
CH-SWSD074-SW01-F(Initial/DIS)	CHROMIUM	0.88 ug/L	4.0U ug/L

Method: **7470A**
Matrix: **WATER**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P15671CB156571303	6/7/2017 3:31:00 AM	MERCURY	0.051 ug/L	CH-SWSD074-SW01-F

Reporting Limit Outliers

Lab Reporting Batch ID: APP19 **Laboratory: LLL**

EDD Filename: APP19-D_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD073-SW01	BERYLLIUM	J	0.16	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	0.90	4.0	LOQ	ug/L	
	COBALT	J	0.56	1.0	LOQ	ug/L	
	COPPER	J	0.77	4.0	LOQ	ug/L	
	IRON	J	93.5	200	LOQ	ug/L	
	LEAD	J	0.27	2.0	LOQ	ug/L	
	NICKEL	J	1.5	4.0	LOQ	ug/L	
	ZINC	J	17.6	30.0	LOQ	ug/L	
CH-SWSD074-SW01	BERYLLIUM	J	0.16	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	0.86	4.0	LOQ	ug/L	
	COBALT	J	0.60	1.0	LOQ	ug/L	
	COPPER	J	0.59	4.0	LOQ	ug/L	
	IRON	J	105	200	LOQ	ug/L	
	LEAD	J	0.34	2.0	LOQ	ug/L	
	NICKEL	J	1.3	4.0	LOQ	ug/L	
	ZINC	J	15.9	30.0	LOQ	ug/L	
CH-SWSD074-SW01-F	BERYLLIUM	J	0.14	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	0.88	4.0	LOQ	ug/L	
	COBALT	J	0.55	1.0	LOQ	ug/L	
	COPPER	J	0.81	4.0	LOQ	ug/L	
	IRON	J	81.3	200	LOQ	ug/L	
	LEAD	J	0.24	2.0	LOQ	ug/L	
	NICKEL	J	1.2	4.0	LOQ	ug/L	
	ZINC	J	22.4	30.0	LOQ	ug/L	

Method: 8270D

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD074-SW01-F	DI-N-BUTYL PHTHALATE	J	2.5	5.1	LOQ	ug/L	J (all detects)

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Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page	1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.		
Laboratory SDG:	APP20		
Date(s) of Collection:	June 1st, 2017		
Number/Type Samples & Analyses:	24 surface water samples plus 2 MS/MSD and 2 field duplicates for a project-specific list of SVOCs, PAHs, hexavalent chromium, and metals		
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA		
Completed:	November 21st, 2017		

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for surface water data included in Sample Delivery Group (SDG) APP20. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017.

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✓ Holding times and sample preservation

✗ Laboratory method blank data

✓ Field rinsate blank data

NA Trip blank data

✗ Laboratory control sample (LCS) recoveries

✗ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✗ Surrogate recoveries

✗ Laboratory duplicate results

✗ Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of "J" data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

All the surface water samples were run for regular 8270 and 8270 SIM. The final results will be presented in 8270 SIM.

The initial analyses of several samples in method 8270D had low surrogate recoveries; the lab re-extracted the batch outside of recommended extraction hold times and all samples have acceptable surrogate recoveries. (CH-SWSD108-SW01F, CH-SWSD106-SW01F) The results between the first and second runs are comparable. The initial results will be reported as the final results.

Due to method blank contamination in the total chromium result, the calculated chromium III was adjusted to a nondetect in sample CH-SWSD110-SW01-F.

This data package was revised 11/9/2017 due to the Eurofins SW6020A metals data breach. The majority of the data changes were made to Quality Control (QC) and/or calibration checks, not to actual sample results. The few field sample result changes were due to the originally reported result exceeding the linear calibration range of the instrument; those results were changed to be slightly lower than the upper limit of the calibration range.

In this package, the silver percent recovery for LCS and MS/MSD QC limits were lower in the corrected data package. Only sample qualifiers were changed.

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Validation Area	*Note*
Technical Holding Times	SR
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	SR
Surrogate/Tracer Spikes	SR
Matrix Spike/Matrix Spike Duplicates	SR
Laboratory Duplicates	SR
Laboratory Replicates	N
Laboratory Control Samples	SR
Compound Quantitation	SR
Field Duplicates	SR
Field Triplicates	N
Field Blanks	N

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD067-SW01** ***Collected:*** **6/2/2017 9:10:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.6	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
BERYLLIUM	0.19	J	0.25	LOD	1.0	LOQ	ug/L	J	Rl
ZINC	20.4	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl
NICKEL	2.7	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl

Sample ID: **CH-SWSD067-SW01-F** ***Collected:*** **6/2/2017 9:10:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	0.91	J	2.0	LOD	4.0	LOQ	ug/L	U	Mb
COBALT	0.40	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
COPPER	2.3	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	1.5	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
NICKEL	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
ZINC	19.1	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl

Sample ID: **CH-SWSD067-SW01-F** ***Collected:*** **6/2/2017 9:10:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	Lcs

Sample ID: **CH-SWSD068-SW01** ***Collected:*** **6/2/2017 9:25:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.20	J	0.25	LOD	1.0	LOQ	ug/L	J	Rl
CHROMIUM	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
COBALT	0.91	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
IRON	197	J	100	LOD	200	LOQ	ug/L	J	Rl
NICKEL	2.6	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
ZINC	27.6	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD068-SW01** ***Collected:*** **6/2/2017 9:25:00 AM** ***Analysis Type:*** **Reanalysis-01/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	3.0	J	1.0	LOD	4.0	LOQ	ug/L	J	RI

Sample ID: **CH-SWSD075-SW01** ***Collected:*** **6/2/2017 11:45:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.17	J	0.25	LOD	1.0	LOQ	ug/L	J	RI
CHROMIUM	0.81	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
COBALT	0.53	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
IRON	98.3	J	100	LOD	200	LOQ	ug/L	J	RI
LEAD	0.23	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	0.98	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
ZINC	21.7	J	7.5	LOD	30.0	LOQ	ug/L	J	RI

Sample ID: **CH-SWSD101-SW01** ***Collected:*** **6/1/2017 2:20:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	0.87	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
COBALT	0.45	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
LEAD	0.29	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	2.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
VANADIUM	0.69	J	0.50	LOD	1.0	LOQ	ug/L	J	RI

Sample ID: **CH-SWSD101-SW01** ***Collected:*** **6/1/2017 2:20:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	1.3	J	1.0	LOD	4.0	LOQ	ug/L	J	RI

Sample ID: **CH-SWSD101-SW01-F** ***Collected:*** **6/1/2017 2:20:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	1.3	J	2.0	LOD	4.0	LOQ	ug/L	U	Mb
COBALT	0.42	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
COPPER	1.6	J	1.0	LOD	4.0	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD101-SW01-F** ***Collected:*** **6/1/2017 2:20:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
LEAD	0.24	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
NICKEL	2.0	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
VANADIUM	0.94	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
ZINC	11.8	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl

Sample ID: **CH-SWSD101-SW01-F** ***Collected:*** **6/1/2017 2:20:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	Lcs

Sample ID: **CH-SWSD102-SW01** ***Collected:*** **6/1/2017 3:00:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	1.0	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
COBALT	0.64	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
LEAD	0.34	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
NICKEL	2.1	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
VANADIUM	0.81	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
ZINC	5.6	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl

Sample ID: **CH-SWSD102-SW01** ***Collected:*** **6/1/2017 3:00:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	1.3	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl

Sample ID: **CH-SWSD102-SW01-F** ***Collected:*** **6/1/2017 3:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	1.2	J	2.0	LOD	4.0	LOQ	ug/L	U	Mb
COBALT	0.62	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
COPPER	1.4	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	0.29	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
NICKEL	1.8	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD102-SW01-F** ***Collected:*** **6/1/2017 3:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ZINC	10.1	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl

Sample ID: **CH-SWSD102-SW01-F** ***Collected:*** **6/1/2017 3:00:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	Lcs

Sample ID: **CH-SWSD103-SW01** ***Collected:*** **6/1/2017 3:30:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	0.55	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
NICKEL	1.8	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
ZINC	3.7	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl

Sample ID: **CH-SWSD103-SW01** ***Collected:*** **6/1/2017 3:30:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	1.5	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl

Sample ID: **CH-SWSD103-SW01-F** ***Collected:*** **6/1/2017 3:30:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	1.1	J	2.0	LOD	4.0	LOQ	ug/L	U	Mb
COPPER	1.4	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	0.47	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
NICKEL	1.6	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
ZINC	11.3	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl

Sample ID: **CH-SWSD103-SW01-F** ***Collected:*** **6/1/2017 3:30:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	Lcs

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD104-SW01** ***Collected:*** **6/1/2017 3:45:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	0.73	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
COBALT	0.23	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
LEAD	0.53	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
ZINC	8.1	J	7.5	LOD	30.0	LOQ	ug/L	J	RI

Sample ID: **CH-SWSD104-SW01** ***Collected:*** **6/1/2017 3:45:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	1.4	J	1.0	LOD	4.0	LOQ	ug/L	J	RI

Sample ID: **CH-SWSD104-SW01-F** ***Collected:*** **6/1/2017 3:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	0.93	J	2.0	LOD	4.0	LOQ	ug/L	U	Mb
COPPER	1.5	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
LEAD	0.32	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	0.97	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
ZINC	4.2	J	7.5	LOD	30.0	LOQ	ug/L	J	RI

Sample ID: **CH-SWSD104-SW01-F** ***Collected:*** **6/1/2017 3:45:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	Lcs

Sample ID: **CH-SWSD105-SW01** ***Collected:*** **6/1/2017 4:00:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	197	J	50.0	LOD	200	LOQ	ug/L	J	RI
CHROMIUM	0.69	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
LEAD	0.34	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
VANADIUM	0.76	J	0.50	LOD	1.0	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD105-SW01** ***Collected:*** **6/1/2017 4:00:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	1.1	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl

Sample ID: **CH-SWSD105-SW01D** ***Collected:*** **6/1/2017 4:00:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	181	J	50.0	LOD	200	LOQ	ug/L	J	Rl
CHROMIUM	0.75	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	0.40	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
VANADIUM	0.91	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl

Sample ID: **CH-SWSD105-SW01D** ***Collected:*** **6/1/2017 4:00:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	1.1	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl

Sample ID: **CH-SWSD105-SW01D-F** ***Collected:*** **6/1/2017 4:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	145	J	50.0	LOD	200	LOQ	ug/L	J	Rl
CHROMIUM	0.88	J	2.0	LOD	4.0	LOQ	ug/L	U	Mb
COPPER	1.1	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
IRON	192	J	100	LOD	200	LOQ	ug/L	J	Rl
LEAD	0.22	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
NICKEL	0.99	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl, Fd
ZINC	3.6	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl, Fd

Sample ID: **CH-SWSD105-SW01D-F** ***Collected:*** **6/1/2017 4:00:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	Lcs

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD105-SW01-F** ***Collected:*** **6/1/2017 4:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	147	J	50.0	LOD	200	LOQ	ug/L	J	Rl
CHROMIUM	0.96	J	2.0	LOD	4.0	LOQ	ug/L	U	Mb
COPPER	1.2	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	0.27	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	Fd
ZINC	13.2	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl, Fd

Sample ID: **CH-SWSD105-SW01-F** ***Collected:*** **6/1/2017 4:00:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	Lcs

Sample ID: **CH-SWSD106-SW01** ***Collected:*** **6/1/2017 2:00:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	0.48	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
NICKEL	2.0	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
VANADIUM	0.67	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
ZINC	6.2	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl

Sample ID: **CH-SWSD106-SW01** ***Collected:*** **6/1/2017 2:00:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	1.4	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl

Sample ID: **CH-SWSD106-SW01-F** ***Collected:*** **6/1/2017 2:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	1.0	J	2.0	LOD	4.0	LOQ	ug/L	U	Mb
COBALT	0.89	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
COPPER	2.0	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	0.29	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD106-SW01-F** ***Collected:*** **6/1/2017 2:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NICKEL	1.8	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
ZINC	17.7	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl

Sample ID: **CH-SWSD106-SW01-F** ***Collected:*** **6/1/2017 2:00:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	Lcs

Sample ID: **CH-SWSD107-SW01** ***Collected:*** **6/1/2017 1:45:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.92	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
CHROMIUM	0.94	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	0.56	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
NICKEL	2.1	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
ZINC	6.9	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl

Sample ID: **CH-SWSD107-SW01** ***Collected:*** **6/1/2017 1:45:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	1.6	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl

Sample ID: **CH-SWSD107-SW01-F** ***Collected:*** **6/1/2017 1:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.86	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
CHROMIUM	1.9	J	2.0	LOD	4.0	LOQ	ug/L	U	Mb
COBALT	0.96	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
COPPER	1.3	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	0.40	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
NICKEL	1.7	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
ZINC	23.4	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD107-SW01-F** ***Collected:*** **6/1/2017 1:45:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	Lcs

Sample ID: **CH-SWSD108-SW01** ***Collected:*** **6/1/2017 1:00:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.0	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
CHROMIUM	0.96	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	0.54	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
NICKEL	2.1	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
VANADIUM	0.87	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
ZINC	7.8	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl

Sample ID: **CH-SWSD108-SW01** ***Collected:*** **6/1/2017 1:00:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	1.5	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl

Sample ID: **CH-SWSD108-SW01-F** ***Collected:*** **6/1/2017 1:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.86	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
CHROMIUM	1.1	J	2.0	LOD	4.0	LOQ	ug/L	U	Mb
COPPER	1.9	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	0.39	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
NICKEL	2.3	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
ZINC	17.9	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl

Sample ID: **CH-SWSD108-SW01-F** ***Collected:*** **6/1/2017 1:00:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	Lcs

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD109-SW01** ***Collected:*** **6/1/2017 12:15:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.3	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
CHROMIUM	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	0.82	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
NICKEL	2.1	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
ZINC	7.6	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl

Sample ID: **CH-SWSD109-SW01** ***Collected:*** **6/1/2017 12:15:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	1.6	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl

Sample ID: **CH-SWSD109-SW01-F** ***Collected:*** **6/1/2017 12:15:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
CHROMIUM	1.1	J	2.0	LOD	4.0	LOQ	ug/L	U	Mb
COPPER	1.8	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	0.51	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
NICKEL	2.0	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
ZINC	18.0	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl

Sample ID: **CH-SWSD109-SW01-F** ***Collected:*** **6/1/2017 12:15:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	Lcs

Sample ID: **CH-SWSD110-SW01** ***Collected:*** **6/1/2017 11:30:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.8	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
BERYLLIUM	0.13	J	0.25	LOD	1.0	LOQ	ug/L	J	Rl
CHROMIUM	1.2	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
IRON	1420		100	LOD	200	LOQ	ug/L	J-	Ms

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD110-SW01** ***Collected:*** **6/1/2017 11:30:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
LEAD	1.6	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
MANGANESE	121		2.0	LOD	4.0	LOQ	ug/L	J	Ms, Ms
NICKEL	2.8	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
ZINC	11.2	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl, Ld

Sample ID: **CH-SWSD110-SW01** ***Collected:*** **6/1/2017 11:30:00 AM** ***Analysis Type:*** **Reanalysis-01/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	2.1	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl

Sample ID: **CH-SWSD110-SW01-F** ***Collected:*** **6/1/2017 11:30:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.96	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
CHROMIUM	1.4	J	2.0	LOD	4.0	LOQ	ug/L	U	Mb
COPPER	1.6	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	0.58	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
NICKEL	2.0	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
VANADIUM	1.0		0.50	LOD	1.0	LOQ	ug/L	J	Ld
ZINC	10.7	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl, Ld

Sample ID: **CH-SWSD110-SW01-F** ***Collected:*** **6/1/2017 11:30:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	Ms, Lcs

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **7470A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD101-SW01-F** ***Collected:*** **6/1/2017 2:20:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.071	J	0.10	LOD	0.20	LOQ	ug/L	U	Mb

Sample ID: **CH-SWSD102-SW01-F** ***Collected:*** **6/1/2017 3:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.066	J	0.10	LOD	0.20	LOQ	ug/L	U	Mb

Sample ID: **CH-SWSD103-SW01-F** ***Collected:*** **6/1/2017 3:30:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.054	J	0.10	LOD	0.20	LOQ	ug/L	U	Mb

Sample ID: **CH-SWSD105-SW01D-F** ***Collected:*** **6/1/2017 4:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.10	J	0.10	LOD	0.20	LOQ	ug/L	U	Mb

Sample ID: **CH-SWSD105-SW01-F** ***Collected:*** **6/1/2017 4:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.076	J	0.10	LOD	0.20	LOQ	ug/L	U	Mb

Sample ID: **CH-SWSD106-SW01-F** ***Collected:*** **6/1/2017 2:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.051	J	0.10	LOD	0.20	LOQ	ug/L	U	Mb

Sample ID: **CH-SWSD109-SW01-F** ***Collected:*** **6/1/2017 12:15:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.050	J	0.10	LOD	0.20	LOQ	ug/L	U	Mb

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: Calculation **Matrix: WATER**

Sample ID: CH-SWSD110-SW01 **Collected:** 6/1/2017 11:30:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	1.2	J	2.0	LOD	4.0	LOQ	ug/L	J	RI

Sample ID: CH-SWSD110-SW01-F **Collected:** 6/1/2017 11:30:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	1.3	J	2.0	LOD	4.0	LOQ	ug/L	U	ProfJudg

Method Category: SVOA

Method: 8270D **Matrix: WATER**

Sample ID: CH-SWSD067-SW01 **Collected:** 6/2/2017 9:10:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD067-SW01-F** ***Collected:*** **6/2/2017 9:10:00 AM** ***Analysis Type:*** **Initial/DIS-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.43	U	0.43	LOD	0.53	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg

Sample ID: **CH-SWSD068-SW01** ***Collected:*** **6/2/2017 9:25:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD068-SW01 **Collected:** 6/2/2017 9:25:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.42	U	0.42	LOD	0.53	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD075-SW01 **Collected:** 6/2/2017 11:45:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.42	U	0.42	LOD	0.53	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD101-SW01 **Collected:** 6/1/2017 2:20:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.43	U	0.43	LOD	0.54	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
PYRENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD101-SW01-F **Collected:** 6/1/2017 2:20:00 PM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD101-SW01-F **Collected:** 6/1/2017 2:20:00 PM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.52	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD102-SW01 **Collected:** 6/1/2017 3:00:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.11	J	0.21	LOD	0.53	LOQ	ug/L	J	RI
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.13	J	0.42	LOD	0.53	LOQ	ug/L	NP	RI, ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD102-SW01-F** ***Collected:*** **6/1/2017 3:00:00 PM** ***Analysis Type:*** **Initial/DIS-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.52	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg

Sample ID: **CH-SWSD103-SW01** ***Collected:*** **6/1/2017 3:30:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD103-SW01 **Collected:** 6/1/2017 3:30:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.12	J	0.44	LOD	0.55	LOQ	ug/L	NP	RI, ProfJudg
PHENANTHRENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
PYRENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD103-SW01-F **Collected:** 6/1/2017 3:30:00 PM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.42	U	0.42	LOD	0.52	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD104-SW01** ***Collected:*** **6/1/2017 3:45:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.42	U	0.42	LOD	0.53	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg

Sample ID: **CH-SWSD104-SW01-F** ***Collected:*** **6/1/2017 3:45:00 PM** ***Analysis Type:*** **Initial/DIS-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD104-SW01-F** ***Collected:*** **6/1/2017 3:45:00 PM** ***Analysis Type:*** **Initial/DIS-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: **CH-SWSD105-SW01** ***Collected:*** **6/1/2017 4:00:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD105-SW01D** ***Collected:*** **6/1/2017 4:00:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: **CH-SWSD105-SW01D-F** ***Collected:*** **6/1/2017 4:00:00 PM** ***Analysis Type:*** **Initial/DIS-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD105-SW01D-F **Collected:** 6/1/2017 4:00:00 PM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
DI-N-BUTYL PHTHALATE	5.0	J	4.3	LOD	5.3	LOQ	ug/L	J	Rl, Fd
FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.43	U	0.43	LOD	0.53	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD105-SW01-F **Collected:** 6/1/2017 4:00:00 PM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
DI-N-BUTYL PHTHALATE	2.2	J	4.3	LOD	5.3	LOQ	ug/L	J	Rl, Fd
FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.43	U	0.43	LOD	0.53	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD106-SW01** ***Collected:*** **6/1/2017 2:00:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.43	U	0.43	LOD	0.54	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
PYRENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg

Sample ID: **CH-SWSD106-SW01-F** ***Collected:*** **6/1/2017 2:00:00 PM** ***Analysis Type:*** **Initial/DIS-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD106-SW01-F **Collected:** 6/1/2017 2:00:00 PM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
DI-N-BUTYL PHTHALATE	2.3	J	4.2	LOD	5.2	LOQ	ug/L	J	RI
FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.42	U	0.42	LOD	0.52	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD106-SW01-F **Collected:** 6/1/2017 2:00:00 PM **Analysis Type:** Reanalysis-01/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	ProfJudg
2-Methylphenol (o-Cresol)	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	ProfJudg
4-Chloroaniline [p-Chloroaniline]	4.2	U	4.2	LOD	4.2	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD106-SW01-F **Collected:** 6/1/2017 2:00:00 PM **Analysis Type:** Reanalysis-01/DIS-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	ProfJudg
4-CHLORO-3-METHYLPHENOL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	ProfJudg
BENZOIC ACID	16	U	16	LOD	16	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD106-SW01-F **Collected:** 6/1/2017 2:00:00 PM **Analysis Type:** Reanalysis-01/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	ProfJudg
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
2-CHLORONAPHTHALENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD106-SW01-F **Collected:** 6/1/2017 2:00:00 PM **Analysis Type:** Reanalysis-01/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZALDEHYDE	4.2	U	4.2	LOD	5.2	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	4.2	U	4.2	LOD	5.2	LOQ	ug/L	NP	ProfJudg
Butyl benzyl phthalate	4.2	U	4.2	LOD	5.2	LOQ	ug/L	NP	ProfJudg
CAPROLACTAM	16	U	16	LOD	16	LOQ	ug/L	NP	ProfJudg
CARBAZOLE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
DIBENZOFURAN	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	ProfJudg
DIETHYL PHTHALATE	4.2	U	4.2	LOD	5.2	LOQ	ug/L	NP	ProfJudg
DIMETHYL PHTHALATE	4.2	U	4.2	LOD	5.2	LOQ	ug/L	NP	ProfJudg
DI-N-BUTYL PHTHALATE	2.2	J	4.2	LOD	5.2	LOQ	ug/L	NP	RI, ProfJudg
DI-N-OCTYL PHTHALATE	4.2	U	4.2	LOD	5.2	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.42	U	0.42	LOD	0.52	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD106-SW01-F-X **Collected:** 6/1/2017 2:00:00 PM **Analysis Type:** Reanalysis-02/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	4.0	U	4.0	LOD	4.0	LOQ	ug/L	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD106-SW01-F-X** ***Collected:*** **6/1/2017 2:00:00 PM** ***Analysis Type:*** **Reanalysis-02/DIS-ACID** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
3/4-Methylphenol [m/p-Cresol]	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: **CH-SWSD106-SW01-F-X** ***Collected:*** **6/1/2017 2:00:00 PM** ***Analysis Type:*** **Reanalysis-02/DIS-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1,4-DICHLOROBENZENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BENZALDEHYDE	4.0	U	4.0	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	4.0	U	4.0	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
Butyl benzyl phthalate	4.0	U	4.0	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
CAPROLACTAM	15	U	15	LOD	15	LOQ	ug/L	NP	StoE, ProfJudg
CARBAZOLE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZOFURAN	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
DIETHYL PHTHALATE	4.0	U	4.0	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	4.0	U	4.0	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	4.0	U	4.0	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	4.0	U	4.0	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD106-SW01-F-X** ***Collected:*** **6/1/2017 2:00:00 PM** ***Analysis Type:*** **Reanalysis-02/DIS-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: **CH-SWSD107-SW01** ***Collected:*** **6/1/2017 1:45:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.11	J	0.43	LOD	0.54	LOQ	ug/L	NP	RI, ProfJudg
PHENANTHRENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
PYRENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg

Sample ID: **CH-SWSD107-SW01-F** ***Collected:*** **6/1/2017 1:45:00 PM** ***Analysis Type:*** **Initial/DIS-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD107-SW01-F** ***Collected:*** **6/1/2017 1:45:00 PM** ***Analysis Type:*** **Initial/DIS-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
DI-N-BUTYL PHTHALATE	2.5	J	4.1	LOD	5.2	LOQ	ug/L	J	RI
FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.52	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg

Sample ID: **CH-SWSD108-SW01** ***Collected:*** **6/1/2017 1:00:00 PM** ***Analysis Type:*** **Initial/TOT-ACID** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	9.6	J	16	LOD	16	LOQ	ug/L	J	RI

Sample ID: **CH-SWSD108-SW01** ***Collected:*** **6/1/2017 1:00:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD108-SW01** ***Collected:*** **6/1/2017 1:00:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.42	U	0.42	LOD	0.52	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg

Sample ID: **CH-SWSD108-SW01-F** ***Collected:*** **6/1/2017 1:00:00 PM** ***Analysis Type:*** **Initial/DIS-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD108-SW01-F **Collected:** 6/1/2017 1:00:00 PM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD108-SW01-F-X **Collected:** 6/1/2017 1:00:00 PM **Analysis Type:** Reanalysis-01/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	1.1	U	1.1	LOD	1.1	LOQ	ug/L	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	1.1	U	1.1	LOD	1.1	LOQ	ug/L	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	4.2	U	4.2	LOD	4.2	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: CH-SWSD108-SW01-F-X **Collected:** 6/1/2017 1:00:00 PM **Analysis Type:** Reanalysis-01/DIS-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.1	U	1.1	LOD	1.1	LOQ	ug/L	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	1.1	U	1.1	LOD	1.1	LOQ	ug/L	NP	StoE, ProfJudg
BENZOIC ACID	16	U	16	LOD	16	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: CH-SWSD108-SW01-F-X **Collected:** 6/1/2017 1:00:00 PM **Analysis Type:** Reanalysis-01/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	1.1	U	1.1	LOD	1.1	LOQ	ug/L	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	1.1	U	1.1	LOD	1.1	LOQ	ug/L	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	StoE, ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	StoE, ProfJudg
BENZALDEHYDE	4.2	U	4.2	LOD	5.3	LOQ	ug/L	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD108-SW01-F-X **Collected:** 6/1/2017 1:00:00 PM **Analysis Type:** Reanalysis-01/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	4.2	U	4.2	LOD	5.3	LOQ	ug/L	NP	StoE, ProfJudg
Butyl benzyl phthalate	4.2	U	4.2	LOD	5.3	LOQ	ug/L	NP	StoE, ProfJudg
CAPROLACTAM	16	U	16	LOD	16	LOQ	ug/L	NP	StoE, ProfJudg
CARBAZOLE	1.1	U	1.1	LOD	1.1	LOQ	ug/L	NP	StoE, ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZOFURAN	1.1	U	1.1	LOD	1.1	LOQ	ug/L	NP	StoE, ProfJudg
DIETHYL PHTHALATE	4.2	U	4.2	LOD	5.3	LOQ	ug/L	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	4.2	U	4.2	LOD	5.3	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	4.2	U	4.2	LOD	5.3	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	4.2	U	4.2	LOD	5.3	LOQ	ug/L	NP	StoE, ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	StoE, ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	StoE, ProfJudg
NAPHTHALENE	0.42	U	0.42	LOD	0.53	LOQ	ug/L	NP	StoE, ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	StoE, ProfJudg
PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: CH-SWSD109-SW01 **Collected:** 6/1/2017 12:15:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD109-SW01 **Collected:** 6/1/2017 12:15:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.42	U	0.42	LOD	0.53	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD109-SW01-F **Collected:** 6/1/2017 12:15:00 PM **Analysis Type:** Initial/DIS-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD110-SW01 **Collected:** 6/1/2017 11:30:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
4-Chloroaniline [p-Chloroaniline]	4.1	U	4.1	LOD	4.1	LOQ	ug/L	UJ	Ms

Sample ID: CH-SWSD110-SW01 **Collected:** 6/1/2017 11:30:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.52	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD110-SW01-F **Collected:** 6/1/2017 11:30:00 AM **Analysis Type:** Initial/DIS-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	9.8	J	16	LOD	16	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD110-SW01-F **Collected:** 6/1/2017 11:30:00 AM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.43	U	0.43	LOD	0.53	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-SWSD067-SW01 **Collected:** 6/2/2017 9:10:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(B)FLUORANTHENE	0.011	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
FLUORANTHENE	0.013	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
PYRENE	0.014	J	0.041	LOD	0.051	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-SWSD101-SW01 **Collected:** 6/1/2017 2:20:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.014	J	0.043	LOD	0.054	LOQ	ug/L	J	RI
ANTHRACENE	0.012	J	0.043	LOD	0.054	LOQ	ug/L	J	RI

Sample ID: CH-SWSD102-SW01 **Collected:** 6/1/2017 3:00:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.045	J	0.042	LOD	0.053	LOQ	ug/L	J	RI
ANTHRACENE	0.012	J	0.042	LOD	0.053	LOQ	ug/L	J	RI
FLUORENE	0.046	J	0.042	LOD	0.053	LOQ	ug/L	J	RI

Sample ID: CH-SWSD103-SW01 **Collected:** 6/1/2017 3:30:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.039	J	0.044	LOD	0.055	LOQ	ug/L	J	RI
2-METHYLNAPHTHALENE	0.027	J	0.044	LOD	0.055	LOQ	ug/L	J	RI
FLUORANTHENE	0.013	J	0.044	LOD	0.055	LOQ	ug/L	J	RI
FLUORENE	0.027	J	0.044	LOD	0.055	LOQ	ug/L	J	RI

Sample ID: CH-SWSD103-SW01-F **Collected:** 6/1/2017 3:30:00 PM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.033	J	0.042	LOD	0.052	LOQ	ug/L	J	RI
2-METHYLNAPHTHALENE	0.023	J	0.042	LOD	0.052	LOQ	ug/L	J	RI
FLUORENE	0.021	J	0.042	LOD	0.052	LOQ	ug/L	J	RI

Sample ID: CH-SWSD104-SW01-F **Collected:** 6/1/2017 3:45:00 PM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NAPHTHALENE	0.049	J	0.061	LOD	0.061	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD106-SW01** ***Collected:*** **6/1/2017 2:00:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.018	J	0.043	LOD	0.054	LOQ	ug/L	J	RI
2-METHYLNAPHTHALENE	0.017	J	0.043	LOD	0.054	LOQ	ug/L	J	RI
ACENAPHTHENE	0.052	J	0.043	LOD	0.054	LOQ	ug/L	J	RI
BENZO(B)FLUORANTHENE	0.016	J	0.043	LOD	0.054	LOQ	ug/L	J	RI
BENZO(G,H,I)PERYLENE	0.011	J	0.043	LOD	0.054	LOQ	ug/L	J	RI
BENZO(K)FLUORANTHENE	0.013	J	0.043	LOD	0.054	LOQ	ug/L	J	RI
CHRYSENE	0.013	J	0.043	LOD	0.054	LOQ	ug/L	J	RI
FLUORENE	0.014	J	0.043	LOD	0.054	LOQ	ug/L	J	RI
INDENO(1,2,3-CD)PYRENE	0.012	J	0.043	LOD	0.054	LOQ	ug/L	J	RI
NAPHTHALENE	0.059	J	0.065	LOD	0.065	LOQ	ug/L	J	RI

Sample ID: **CH-SWSD106-SW01-F** ***Collected:*** **6/1/2017 2:00:00 PM** ***Analysis Type:*** **Initial/DIS-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NAPHTHALENE	0.045	J	0.063	LOD	0.063	LOQ	ug/L	J	RI

Sample ID: **CH-SWSD107-SW01** ***Collected:*** **6/1/2017 1:45:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.047	J	0.043	LOD	0.054	LOQ	ug/L	J	RI
2-METHYLNAPHTHALENE	0.045	J	0.043	LOD	0.054	LOQ	ug/L	J	RI
ANTHRACENE	0.014	J	0.043	LOD	0.054	LOQ	ug/L	J	RI
FLUORANTHENE	0.011	J	0.043	LOD	0.054	LOQ	ug/L	J	RI
FLUORENE	0.035	J	0.043	LOD	0.054	LOQ	ug/L	J	RI

Sample ID: **CH-SWSD107-SW01-F** ***Collected:*** **6/1/2017 1:45:00 PM** ***Analysis Type:*** **Initial/DIS-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NAPHTHALENE	0.055	J	0.062	LOD	0.062	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-SWSD108-SW01 **Collected:** 6/1/2017 1:00:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.025	J	0.042	LOD	0.052	LOQ	ug/L	J	RI
2-METHYLNAPHTHALENE	0.022	J	0.042	LOD	0.052	LOQ	ug/L	J	RI
FLUORENE	0.018	J	0.042	LOD	0.052	LOQ	ug/L	J	RI

Sample ID: CH-SWSD108-SW01-F **Collected:** 6/1/2017 1:00:00 PM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.012	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
2-METHYLNAPHTHALENE	0.020	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
NAPHTHALENE	0.039	J	0.060	LOD	0.060	LOQ	ug/L	J	RI

Sample ID: CH-SWSD109-SW01 **Collected:** 6/1/2017 12:15:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.016	J	0.042	LOD	0.053	LOQ	ug/L	J	RI
2-METHYLNAPHTHALENE	0.014	J	0.042	LOD	0.053	LOQ	ug/L	J	RI
FLUORENE	0.012	J	0.042	LOD	0.053	LOQ	ug/L	J	RI

Sample ID: CH-SWSD109-SW01-F **Collected:** 6/1/2017 12:15:00 PM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.014	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
2-METHYLNAPHTHALENE	0.020	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
NAPHTHALENE	0.056	J	0.061	LOD	0.061	LOQ	ug/L	J	RI

Sample ID: CH-SWSD110-SW01 **Collected:** 6/1/2017 11:30:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.025	J	0.041	LOD	0.052	LOQ	ug/L	J	RI
2-METHYLNAPHTHALENE	0.022	J	0.041	LOD	0.052	LOQ	ug/L	J	RI
BENZO(B)FLUORANTHENE	0.012	J	0.041	LOD	0.052	LOQ	ug/L	J	RI, Ms
CHRYSENE	0.013	J	0.041	LOD	0.052	LOQ	ug/L	J	RI, Ms
FLUORANTHENE	0.023	J	0.041	LOD	0.052	LOQ	ug/L	J	RI, Ms, Ms

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD110-SW01** ***Collected:*** **6/1/2017 11:30:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
FLUORENE	0.018	J	0.041	LOD	0.052	LOQ	ug/L	J	RI
NAPHTHALENE	0.047	J	0.062	LOD	0.062	LOQ	ug/L	J	RI
PYRENE	0.015	J	0.041	LOD	0.052	LOQ	ug/L	J	RI, Ms, Ms

Sample ID: **CH-SWSD110-SW01-F** ***Collected:*** **6/1/2017 11:30:00 AM** ***Analysis Type:*** **Initial/DIS-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.011	J	0.043	LOD	0.053	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Reason Code Legend

Reason Code	*Description*
Fd	Field Duplicate Precision
Lcs	Laboratory Control Spike Lower Estimation
Ld	Laboratory Duplicate Precision
Mb	Method Blank Contamination
Ms	Matrix Spike Lower Estimation
Ms	Matrix Spike Precision
Ms	Matrix Spike Upper Estimation
ProfJudg	Professional Judgment
Rl	Reporting Limit Trace Value
StoE	Sampling to Extraction Estimation
Surr	Surrogate/Tracer Recovery Lower Estimation
Surr	Surrogate/Tracer Recovery Upper Estimation

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

QC Outlier Report: HoldingTimes

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D **Preparation Method: SW3510C**

Matrix: WATER

Sample ID	Type	Actual	Criteria	Units	Flag
CH-SWSD106-SW01-F-X (Reanalys	Sampling To Extraction	11.00	7.00	DAYS	J- (all detects)
CH-SWSD108-SW01-F-X (Reanalys		14.00	7.00	DAYS	UJ (all non-detects)

Surrogate Outlier Report

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D**
Matrix: **WATER**

Sample ID (Analysis Type)	*Surrogate*	*Sample % Recovery*	*% Recovery Limits*	*Affected Compounds*	*Flag*
CH-SWSD106-SW01-F (Initial/DIS)	Terphenyl-d14	143	50.00-134.00	No Affected Compounds	
CH-SWSD106-SW01-F (Reanalysis-01/ DIS)	Terphenyl-d14	142	50.00-134.00	No Affected Compounds	
CH-SWSD108-SW01-F (Initial/DIS)	2-FLUOROPHENOL Nitrobenzene-d5	13 31	19.00-119.00 44.00-120.00	No Affected Compounds	

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: WATER

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-SWSD110-SW01MS (Total) CH-SWSD110-SW01MSD (Total) (CH-SWSD110-SW01)	MANGANESE	3	73	87.00-115.00	25 (20.00)	MANGANESE	J (all detects) UJ (all non-detects)
CH-SWSD110-SW01MS (Total) CH-SWSD110-SW01MSD (Total) (CH-SWSD110-SW01)	IRON	44	81	87.00-118.00	-	IRON	J-(all detects) UJ(all non-detects)
CH-SWSD110-SW01-FMS (Dissolved) CH-SWSD110-SW01-FMSD (Dissolved) (CH-SWSD110-SW01-F)	SILVER	60	63	85.00-116.00	-	SILVER	J-(all detects) UJ(all non-detects)

Method: 218.6
Matrix: WATER

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-SWSD110-SW01MS (Total) CH-SWSD110-SW01MSD (Total) (CH-SWSD110-SW01)	Hexavalent Chromium [Cr (VI)]	113	111	90.00-110.00	-	Hexavalent Chromium [Cr (VI)]	J+(all detects)

Method: 8270D
Matrix: WATER

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-SWSD110-SW01MS CH-SWSD110-SW01MSD (CH-SWSD110-SW01)	4-Chloroaniline [p-Chloroaniline]	13	-	33.00-117.00	92 (20.00)	4-Chloroaniline [p-Chloroaniline]	J(all detects) UJ(all non-detects)
CH-SWSD110-SW01MS (CH-SWSD110-SW01)	BENZOIC ACID	70	-	10.00-64.00	-	BENZOIC ACID	J+(all detects)

Method: 8270D SIM
Matrix: WATER

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-SWSD110-SW01MS CH-SWSD110-SW01MSD (CH-SWSD110-SW01)	BENZO(B)FLUORANTHENE CHRYSENE FLUORANTHENE PYRENE	- - 138 127	- - - -	53.00-126.00 57.00-120.00 58.00-120.00 53.00-121.00	30 (20.00) 35 (20.00) 50 (20.00) 42 (20.00)	BENZO(B)FLUORANTHENE CHRYSENE FLUORANTHENE PYRENE	J(all detects)

Project Name and Number: Camp Hero - Camp Hero

Lab Duplicate Outlier Report

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: WATER

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
CH-SWSD110-SW01DUP (Total) (CH-SWSD110-SW01)	ZINC	24	20.00	J (all detects) UJ (all non-detects)
CH-SWSD110-SW01-FDUP (Dissolved) (CH-SWSD110-SW01-F)	VANADIUM ZINC	29 21	20.00 20.00	J(all detects) UJ(all non-detects)

Project Name and Number: Camp Hero - Camp Hero

Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**
Matrix: **WATER**

QC Sample ID (Associated Samples)	*Compound*	*LCS %R*	*LCSD %R*	*%R Limits*	*RPD (Limits)*	*Affected Compounds*	*Flag*
P15663DQ156063904 (Total) (CH-SWSD067-SW01-F CH-SWSD101-SW01-F CH-SWSD102-SW01-F CH-SWSD103-SW01-F CH-SWSD104-SW01-F CH-SWSD105-SW01D-F CH-SWSD105-SW01-F CH-SWSD106-SW01-F CH-SWSD107-SW01-F CH-SWSD108-SW01-F CH-SWSD109-SW01-F CH-SWSD110-SW01-F)	SILVER	61	-	85.00-116.00	-	SILVER	J- (all detects) UJ (all non-detects)

Project Name and Number: Camp Hero - Camp Hero

Reporting Limit Outliers

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**

Matrix: **WATER**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD067-SW01	ARSENIC	J	1.6	4.0	LOQ	ug/L	J (all detects)
	BERYLLIUM	J	0.19	1.0	LOQ	ug/L	
	NICKEL	J	2.7	4.0	LOQ	ug/L	
	ZINC	J	20.4	30.0	LOQ	ug/L	
CH-SWSD067-SW01-F	CHROMIUM	J	0.91	4.0	LOQ	ug/L	J (all detects)
	COBALT	J	0.40	1.0	LOQ	ug/L	
	COPPER	J	2.3	4.0	LOQ	ug/L	
	LEAD	J	1.5	2.0	LOQ	ug/L	
	NICKEL	J	1.1	4.0	LOQ	ug/L	
	ZINC	J	19.1	30.0	LOQ	ug/L	
CH-SWSD068-SW01	BERYLLIUM	J	0.20	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.1	4.0	LOQ	ug/L	
	COBALT	J	0.91	1.0	LOQ	ug/L	
	COPPER	J	3.0	4.0	LOQ	ug/L	
	IRON	J	197	200	LOQ	ug/L	
	NICKEL	J	2.6	4.0	LOQ	ug/L	
	ZINC	J	27.6	30.0	LOQ	ug/L	
CH-SWSD075-SW01	BERYLLIUM	J	0.17	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	0.81	4.0	LOQ	ug/L	
	COBALT	J	0.53	1.0	LOQ	ug/L	
	IRON	J	98.3	200	LOQ	ug/L	
	LEAD	J	0.23	2.0	LOQ	ug/L	
	NICKEL	J	0.98	4.0	LOQ	ug/L	
	ZINC	J	21.7	30.0	LOQ	ug/L	
CH-SWSD101-SW01	CHROMIUM	J	0.87	4.0	LOQ	ug/L	J (all detects)
	COBALT	J	0.45	1.0	LOQ	ug/L	
	COPPER	J	1.3	4.0	LOQ	ug/L	
	LEAD	J	0.29	2.0	LOQ	ug/L	
	NICKEL	J	2.1	4.0	LOQ	ug/L	
	VANADIUM	J	0.69	1.0	LOQ	ug/L	
CH-SWSD101-SW01-F	CHROMIUM	J	1.3	4.0	LOQ	ug/L	J (all detects)
	COBALT	J	0.42	1.0	LOQ	ug/L	
	COPPER	J	1.6	4.0	LOQ	ug/L	
	LEAD	J	0.24	2.0	LOQ	ug/L	
	NICKEL	J	2.0	4.0	LOQ	ug/L	
	VANADIUM	J	0.94	1.0	LOQ	ug/L	
	ZINC	J	11.8	30.0	LOQ	ug/L	
CH-SWSD102-SW01	CHROMIUM	J	1.0	4.0	LOQ	ug/L	J (all detects)
	COBALT	J	0.64	1.0	LOQ	ug/L	
	COPPER	J	1.3	4.0	LOQ	ug/L	
	LEAD	J	0.34	2.0	LOQ	ug/L	
	NICKEL	J	2.1	4.0	LOQ	ug/L	
	VANADIUM	J	0.81	1.0	LOQ	ug/L	
	ZINC	J	5.6	30.0	LOQ	ug/L	
CH-SWSD102-SW01-F	CHROMIUM	J	1.2	4.0	LOQ	ug/L	J (all detects)
	COBALT	J	0.62	1.0	LOQ	ug/L	
	COPPER	J	1.4	4.0	LOQ	ug/L	
	LEAD	J	0.29	2.0	LOQ	ug/L	
	NICKEL	J	1.8	4.0	LOQ	ug/L	
	ZINC	J	10.1	30.0	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD103-SW01	CHROMIUM	J	1.1	4.0	LOQ	ug/L	
	COPPER	J	1.5	4.0	LOQ	ug/L	
	LEAD	J	0.55	2.0	LOQ	ug/L	J (all detects)
	NICKEL	J	1.8	4.0	LOQ	ug/L	
	ZINC	J	3.7	30.0	LOQ	ug/L	
CH-SWSD103-SW01-F	CHROMIUM	J	1.1	4.0	LOQ	ug/L	
	COPPER	J	1.4	4.0	LOQ	ug/L	
	LEAD	J	0.47	2.0	LOQ	ug/L	J (all detects)
	NICKEL	J	1.6	4.0	LOQ	ug/L	
	ZINC	J	11.3	30.0	LOQ	ug/L	
CH-SWSD104-SW01	CHROMIUM	J	0.73	4.0	LOQ	ug/L	
	COBALT	J	0.23	1.0	LOQ	ug/L	
	COPPER	J	1.4	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.53	2.0	LOQ	ug/L	
	NICKEL	J	1.1	4.0	LOQ	ug/L	
	ZINC	J	8.1	30.0	LOQ	ug/L	
CH-SWSD104-SW01-F	CHROMIUM	J	0.93	4.0	LOQ	ug/L	
	COPPER	J	1.5	4.0	LOQ	ug/L	
	LEAD	J	0.32	2.0	LOQ	ug/L	J (all detects)
	NICKEL	J	0.97	4.0	LOQ	ug/L	
	ZINC	J	4.2	30.0	LOQ	ug/L	
CH-SWSD105-SW01	ALUMINUM	J	197	200	LOQ	ug/L	
	CHROMIUM	J	0.69	4.0	LOQ	ug/L	
	COPPER	J	1.1	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.34	2.0	LOQ	ug/L	
	VANADIUM	J	0.76	1.0	LOQ	ug/L	
CH-SWSD105-SW01D	ALUMINUM	J	181	200	LOQ	ug/L	
	CHROMIUM	J	0.75	4.0	LOQ	ug/L	
	COPPER	J	1.1	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.40	2.0	LOQ	ug/L	
	VANADIUM	J	0.91	1.0	LOQ	ug/L	
CH-SWSD105-SW01D-F	ALUMINUM	J	145	200	LOQ	ug/L	
	CHROMIUM	J	0.88	4.0	LOQ	ug/L	
	COPPER	J	1.1	4.0	LOQ	ug/L	
	IRON	J	192	200	LOQ	ug/L	J (all detects)
	LEAD	J	0.22	2.0	LOQ	ug/L	
	NICKEL	J	0.99	4.0	LOQ	ug/L	
	ZINC	J	3.6	30.0	LOQ	ug/L	
CH-SWSD105-SW01-F	ALUMINUM	J	147	200	LOQ	ug/L	
	CHROMIUM	J	0.96	4.0	LOQ	ug/L	
	COPPER	J	1.2	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.27	2.0	LOQ	ug/L	
	ZINC	J	13.2	30.0	LOQ	ug/L	
CH-SWSD106-SW01	CHROMIUM	J	1.1	4.0	LOQ	ug/L	
	COPPER	J	1.4	4.0	LOQ	ug/L	
	LEAD	J	0.48	2.0	LOQ	ug/L	J (all detects)
	NICKEL	J	2.0	4.0	LOQ	ug/L	
	VANADIUM	J	0.67	1.0	LOQ	ug/L	
	ZINC	J	6.2	30.0	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**

Matrix: **WATER**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD106-SW01-F	CHROMIUM	J	1.0	4.0	LOQ	ug/L	J (all detects)
	COBALT	J	0.89	1.0	LOQ	ug/L	
	COPPER	J	2.0	4.0	LOQ	ug/L	
	LEAD	J	0.29	2.0	LOQ	ug/L	
	NICKEL	J	1.8	4.0	LOQ	ug/L	
	ZINC	J	17.7	30.0	LOQ	ug/L	
CH-SWSD107-SW01	ARSENIC	J	0.92	4.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	0.94	4.0	LOQ	ug/L	
	COPPER	J	1.6	4.0	LOQ	ug/L	
	LEAD	J	0.56	2.0	LOQ	ug/L	
	NICKEL	J	2.1	4.0	LOQ	ug/L	
	ZINC	J	6.9	30.0	LOQ	ug/L	
CH-SWSD107-SW01-F	ARSENIC	J	0.86	4.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.9	4.0	LOQ	ug/L	
	COBALT	J	0.96	1.0	LOQ	ug/L	
	COPPER	J	1.3	4.0	LOQ	ug/L	
	LEAD	J	0.40	2.0	LOQ	ug/L	
	NICKEL	J	1.7	4.0	LOQ	ug/L	
	ZINC	J	23.4	30.0	LOQ	ug/L	
CH-SWSD108-SW01	ARSENIC	J	1.0	4.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	0.96	4.0	LOQ	ug/L	
	COPPER	J	1.5	4.0	LOQ	ug/L	
	LEAD	J	0.54	2.0	LOQ	ug/L	
	NICKEL	J	2.1	4.0	LOQ	ug/L	
	VANADIUM	J	0.87	1.0	LOQ	ug/L	
	ZINC	J	7.8	30.0	LOQ	ug/L	
CH-SWSD108-SW01-F	ARSENIC	J	0.86	4.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.1	4.0	LOQ	ug/L	
	COPPER	J	1.9	4.0	LOQ	ug/L	
	LEAD	J	0.39	2.0	LOQ	ug/L	
	NICKEL	J	2.3	4.0	LOQ	ug/L	
	ZINC	J	17.9	30.0	LOQ	ug/L	
CH-SWSD109-SW01	ARSENIC	J	1.3	4.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.1	4.0	LOQ	ug/L	
	COPPER	J	1.6	4.0	LOQ	ug/L	
	LEAD	J	0.82	2.0	LOQ	ug/L	
	NICKEL	J	2.1	4.0	LOQ	ug/L	
	ZINC	J	7.6	30.0	LOQ	ug/L	
CH-SWSD109-SW01-F	ARSENIC	J	1.1	4.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.1	4.0	LOQ	ug/L	
	COPPER	J	1.8	4.0	LOQ	ug/L	
	LEAD	J	0.51	2.0	LOQ	ug/L	
	NICKEL	J	2.0	4.0	LOQ	ug/L	
	ZINC	J	18.0	30.0	LOQ	ug/L	
CH-SWSD110-SW01	ARSENIC	J	1.8	4.0	LOQ	ug/L	J (all detects)
	BERYLLIUM	J	0.13	1.0	LOQ	ug/L	
	CHROMIUM	J	1.2	4.0	LOQ	ug/L	
	COPPER	J	2.1	4.0	LOQ	ug/L	
	LEAD	J	1.6	2.0	LOQ	ug/L	
	NICKEL	J	2.8	4.0	LOQ	ug/L	
	ZINC	J	11.2	30.0	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD110-SW01-F	ARSENIC	J	0.96	4.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.4	4.0	LOQ	ug/L	
	COPPER	J	1.6	4.0	LOQ	ug/L	
	LEAD	J	0.58	2.0	LOQ	ug/L	
	NICKEL	J	2.0	4.0	LOQ	ug/L	
	ZINC	J	10.7	30.0	LOQ	ug/L	

Method: 7470A

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD101-SW01-F	MERCURY	J	0.071	0.20	LOQ	ug/L	J (all detects)
CH-SWSD102-SW01-F	MERCURY	J	0.066	0.20	LOQ	ug/L	J (all detects)
CH-SWSD103-SW01-F	MERCURY	J	0.054	0.20	LOQ	ug/L	J (all detects)
CH-SWSD105-SW01D-F	MERCURY	J	0.10	0.20	LOQ	ug/L	J (all detects)
CH-SWSD105-SW01-F	MERCURY	J	0.076	0.20	LOQ	ug/L	J (all detects)
CH-SWSD106-SW01-F	MERCURY	J	0.051	0.20	LOQ	ug/L	J (all detects)
CH-SWSD109-SW01-F	MERCURY	J	0.050	0.20	LOQ	ug/L	J (all detects)

Method: 8270D

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD102-SW01	ACENAPHTHENE	J	0.11	0.53	LOQ	ug/L	J (all detects)
	NAPHTHALENE	J	0.13	0.53	LOQ	ug/L	
CH-SWSD103-SW01	NAPHTHALENE	J	0.12	0.55	LOQ	ug/L	J (all detects)
CH-SWSD105-SW01D-F	DI-N-BUTYL PHTHALATE	J	5.0	5.3	LOQ	ug/L	J (all detects)
CH-SWSD105-SW01-F	DI-N-BUTYL PHTHALATE	J	2.2	5.3	LOQ	ug/L	J (all detects)
CH-SWSD106-SW01-F	DI-N-BUTYL PHTHALATE	J	2.2	5.2	LOQ	ug/L	J (all detects)
CH-SWSD107-SW01	NAPHTHALENE	J	0.11	0.54	LOQ	ug/L	J (all detects)
CH-SWSD107-SW01-F	DI-N-BUTYL PHTHALATE	J	2.5	5.2	LOQ	ug/L	J (all detects)
CH-SWSD108-SW01	BENZOIC ACID	J	9.6	16	LOQ	ug/L	J (all detects)
CH-SWSD110-SW01-F	BENZOIC ACID	J	9.8	16	LOQ	ug/L	J (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**

Matrix: **WATER**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD067-SW01	BENZO(B)FLUORANTHENE	J	0.011	0.051	LOQ	ug/L	J (all detects)
	FLUORANTHENE	J	0.013	0.051	LOQ	ug/L	
	PYRENE	J	0.014	0.051	LOQ	ug/L	
CH-SWSD101-SW01	ACENAPHTHENE	J	0.014	0.054	LOQ	ug/L	J (all detects)
	ANTHRACENE	J	0.012	0.054	LOQ	ug/L	
CH-SWSD102-SW01	2-METHYLNAPHTHALENE	J	0.045	0.053	LOQ	ug/L	J (all detects)
	ANTHRACENE	J	0.012	0.053	LOQ	ug/L	
	FLUORENE	J	0.046	0.053	LOQ	ug/L	
CH-SWSD103-SW01	1-METHYLNAPHTHALENE	J	0.039	0.055	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.027	0.055	LOQ	ug/L	
	FLUORANTHENE	J	0.013	0.055	LOQ	ug/L	
	FLUORENE	J	0.027	0.055	LOQ	ug/L	
CH-SWSD103-SW01-F	1-METHYLNAPHTHALENE	J	0.033	0.052	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.023	0.052	LOQ	ug/L	
	FLUORENE	J	0.021	0.052	LOQ	ug/L	
CH-SWSD104-SW01-F	NAPHTHALENE	J	0.049	0.061	LOQ	ug/L	J (all detects)
CH-SWSD106-SW01	1-METHYLNAPHTHALENE	J	0.018	0.054	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.017	0.054	LOQ	ug/L	
	ACENAPHTHENE	J	0.052	0.054	LOQ	ug/L	
	BENZO(B)FLUORANTHENE	J	0.016	0.054	LOQ	ug/L	
	BENZO(G,H,I)PERYLENE	J	0.011	0.054	LOQ	ug/L	
	BENZO(K)FLUORANTHENE	J	0.013	0.054	LOQ	ug/L	
	CHRYSENE	J	0.013	0.054	LOQ	ug/L	
	FLUORENE	J	0.014	0.054	LOQ	ug/L	
	INDENO(1,2,3-CD)PYRENE	J	0.012	0.054	LOQ	ug/L	
	NAPHTHALENE	J	0.059	0.065	LOQ	ug/L	
CH-SWSD106-SW01-F	NAPHTHALENE	J	0.045	0.063	LOQ	ug/L	J (all detects)
CH-SWSD107-SW01	1-METHYLNAPHTHALENE	J	0.047	0.054	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.045	0.054	LOQ	ug/L	
	ANTHRACENE	J	0.014	0.054	LOQ	ug/L	
	FLUORANTHENE	J	0.011	0.054	LOQ	ug/L	
	FLUORENE	J	0.035	0.054	LOQ	ug/L	
CH-SWSD107-SW01-F	NAPHTHALENE	J	0.055	0.062	LOQ	ug/L	J (all detects)
CH-SWSD108-SW01	1-METHYLNAPHTHALENE	J	0.025	0.052	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.022	0.052	LOQ	ug/L	
	FLUORENE	J	0.018	0.052	LOQ	ug/L	
CH-SWSD108-SW01-F	1-METHYLNAPHTHALENE	J	0.012	0.050	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.020	0.050	LOQ	ug/L	
	NAPHTHALENE	J	0.039	0.060	LOQ	ug/L	
CH-SWSD109-SW01	1-METHYLNAPHTHALENE	J	0.016	0.053	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.014	0.053	LOQ	ug/L	
	FLUORENE	J	0.012	0.053	LOQ	ug/L	
CH-SWSD109-SW01-F	1-METHYLNAPHTHALENE	J	0.014	0.051	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.020	0.051	LOQ	ug/L	
	NAPHTHALENE	J	0.056	0.061	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D SIM

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD110-SW01	1-METHYLNAPHTHALENE	J	0.025	0.052	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.022	0.052	LOQ	ug/L	
	BENZO(B)FLUORANTHENE	J	0.012	0.052	LOQ	ug/L	
	CHRYSENE	J	0.013	0.052	LOQ	ug/L	
	FLUORANTHENE	J	0.023	0.052	LOQ	ug/L	
	FLUORENE	J	0.018	0.052	LOQ	ug/L	
	NAPHTHALENE	J	0.047	0.062	LOQ	ug/L	
	PYRENE	J	0.015	0.052	LOQ	ug/L	
CH-SWSD110-SW01-F	1-METHYLNAPHTHALENE	J	0.011	0.053	LOQ	ug/L	J (all detects)

Method: Calculation

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD110-SW01	TRIVALENT CHROMIUM	J	1.2	4.0	LOQ	ug/L	J (all detects)
CH-SWSD110-SW01-F	TRIVALENT CHROMIUM	J	1.3	4.0	LOQ	ug/L	J (all detects)

Method Blank Outlier Report

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**
Matrix: **WATER**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P15663DB156063904	6/9/2017 8:48:00 PM	CHROMIUM	0.65 ug/L	CH-SWSD067-SW01-F CH-SWSD101-SW01-F CH-SWSD102-SW01-F CH-SWSD103-SW01-F CH-SWSD104-SW01-F CH-SWSD105-SW01D-F CH-SWSD105-SW01-F CH-SWSD106-SW01-F CH-SWSD107-SW01-F CH-SWSD108-SW01-F CH-SWSD109-SW01-F CH-SWSD110-SW01-F

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
CH-SWSD067-SW01-F(Initial/DIS)	CHROMIUM	0.91 ug/L	4.0U ug/L
CH-SWSD101-SW01-F(Initial/DIS)	CHROMIUM	1.3 ug/L	4.0U ug/L
CH-SWSD102-SW01-F(Initial/DIS)	CHROMIUM	1.2 ug/L	4.0U ug/L
CH-SWSD103-SW01-F(Initial/DIS)	CHROMIUM	1.1 ug/L	4.0U ug/L
CH-SWSD104-SW01-F(Initial/DIS)	CHROMIUM	0.93 ug/L	4.0U ug/L
CH-SWSD105-SW01D-F(Initial/DIS)	CHROMIUM	0.88 ug/L	4.0U ug/L
CH-SWSD105-SW01-F(Initial/DIS)	CHROMIUM	0.96 ug/L	4.0U ug/L
CH-SWSD106-SW01-F(Initial/DIS)	CHROMIUM	1.0 ug/L	4.0U ug/L
CH-SWSD107-SW01-F(Initial/DIS)	CHROMIUM	1.9 ug/L	4.0U ug/L
CH-SWSD108-SW01-F(Initial/DIS)	CHROMIUM	1.1 ug/L	4.0U ug/L
CH-SWSD109-SW01-F(Initial/DIS)	CHROMIUM	1.1 ug/L	4.0U ug/L
CH-SWSD110-SW01-F(Initial/DIS)	CHROMIUM	1.4 ug/L	4.0U ug/L

Method: **7470A**
Matrix: **WATER**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P15671CB156571303	6/7/2017 3:31:00 AM	MERCURY	0.051 ug/L	CH-SWSD067-SW01-F CH-SWSD101-SW01-F CH-SWSD102-SW01-F CH-SWSD103-SW01-F CH-SWSD104-SW01-F CH-SWSD105-SW01D-F CH-SWSD105-SW01-F CH-SWSD106-SW01-F CH-SWSD107-SW01-F CH-SWSD108-SW01-F CH-SWSD109-SW01-F CH-SWSD110-SW01-F

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
CH-SWSD101-SW01-F(Initial/DIS)	MERCURY	0.071 ug/L	0.20U ug/L

Project Name and Number: Camp Hero - Camp Hero

Method Blank Outlier Report

Lab Reporting Batch ID: APP20 **Laboratory: LLL**

EDD Filename: APP20-D_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **7470A**
Matrix: **WATER**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
CH-SWSD102-SW01-F(Initial/DIS)	MERCURY	0.066 ug/L	0.20U ug/L
CH-SWSD103-SW01-F(Initial/DIS)	MERCURY	0.054 ug/L	0.20U ug/L
CH-SWSD105-SW01D-F(Initial/DIS)	MERCURY	0.10 ug/L	0.20U ug/L
CH-SWSD105-SW01-F(Initial/DIS)	MERCURY	0.076 ug/L	0.20U ug/L
CH-SWSD106-SW01-F(Initial/DIS)	MERCURY	0.051 ug/L	0.20U ug/L
CH-SWSD109-SW01-F(Initial/DIS)	MERCURY	0.050 ug/L	0.20U ug/L

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Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page	1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.		
Laboratory SDG:	APP21		
Date(s) of Collection:	June 3rd, 2017		
Number/Type Samples & Analyses:	31 sediment samples plus 1 MS/MSD and 4 duplicates for a project-specific list of SVOCs, PAHs, hexavalent chromium, and metals		
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA		
Completed:	November 21, 2017		

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for sediment data included in Sample Delivery Group (SDG) APP21. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017.

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✓ Holding times and sample preservation

✗ Laboratory method blank data

✓ Field rinsate blank data

NA Trip blank data

✗ Laboratory control sample (LCS) recoveries

✗ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✗ Surrogate recoveries

✗ Laboratory duplicate results

✗ Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of "J" data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

CH-SWSD046-SE01, CH-SWSD052-SE01, CH-SWSD062-SE01, CH-SWSD063-SE01, CH-SWSD075-SE01, CH-SWSD075-SE01D, CH-SWSD076-SE01, CH-SWSD077-SE01, CH-SWSD078-SE01, CH-SWSD079-SE01, CH-SWSD112-SE01, CH-SWSD113-SE01, and CH-SWSD114-SE01 samples were run for regular 8270 and 8270 SIM. The final results will be presented in 8270 SIM.

Two analytes were over calibration in method 8270D SIM in sample CH-SWSD063-SE01 (benzo(b)fluoranthene and fluoranthene). The sample was diluted and re-analyzed. All results will be presented in the undiluted except for the analytes that were over calibration.

Samples CH-SWSD079-SE01, CH-SWSD046-SE01, CH-SWSD076-SE01, CH-SWSD052-SE01, CH-SWSD113-SE01, and CH-SWSD114-SE01 were analyzed for 8270D SIM however the SECC exceeded the +/- 50% of the expected value from the ICAL. Samples and the SECC were analyzed and the SECC values were once again outside the limits which indicated matrix effects. Both sets of results are comparable. The initial results will be presented.

This data package was revised 11/9/2017 due to the Eurofins SW6020A metals data breach. The majority of the data changes were made to Quality Control (QC) and/or calibration checks, not to actual sample results. The few field sample result changes were due to the originally reported result exceeding the linear calibration range of the instrument; those results were changed to be slightly lower than the upper limit of the calibration range.

In this package, barium, calcium, copper, and lead, and thallium LCS percent recoveries were not within QC specification, the percent recovery of nickel in the CCV was not within QC specification and the percent recoveries of the low level check standard for barium and calcium were not within QC specification. Only qualifiers changed.

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Validation Area	*Note*
Technical Holding Times	SR
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	SR
Surrogate/Tracer Spikes	SR
Matrix Spike/Matrix Spike Duplicates	SR
Laboratory Duplicates	SR
Laboratory Replicates	N
Laboratory Control Samples	SR
Compound Quantitation	SR
Field Duplicates	SR
Field Triplicates	N
Field Blanks	A

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: GENCHEM

Method: 9060A **Matrix: SEDIMENT**

Sample ID: CH-SWSD055-SE01 **Collected:** 6/3/2017 9:15:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TOTAL ORGANIC CARBON (TOC)	144000		17500	LOD	17500	LOQ	mg/kg	J	Ld, Fd

Sample ID: CH-SWSD055-SE01D **Collected:** 6/3/2017 9:15:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TOTAL ORGANIC CARBON (TOC)	212000		18000	LOD	18000	LOQ	mg/kg	J	Fd

Sample ID: CH-SWSD060-SE01 **Collected:** 6/2/2017 4:15:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TOTAL ORGANIC CARBON (TOC)	13300		2960	LOD	2960	LOQ	mg/kg	J	Ms

Sample ID: CH-SWSD065-SE01 **Collected:** 6/2/2017 2:40:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TOTAL ORGANIC CARBON (TOC)	28400		10900	LOD	10900	LOQ	mg/kg	J	Fd

Sample ID: CH-SWSD065-SE01D **Collected:** 6/2/2017 2:40:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TOTAL ORGANIC CARBON (TOC)	18900		5070	LOD	5070	LOQ	mg/kg	J	Fd

Method Category: METALS

Method: 6020A **Matrix: SEDIMENT**

Sample ID: CH-SWSD046-SE01 **Collected:** 6/3/2017 12:10:00 PM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.502	J	0.846	LOD	1.69	LOQ	mg/kg	J	Rl
ARSENIC	2.93	J	1.69	LOD	3.39	LOQ	mg/kg	J	Rl
COPPER	20.6		0.846	LOD	3.39	LOQ	mg/kg	J+	Lcs
LEAD	47.3		0.212	LOD	1.69	LOQ	mg/kg	J+	Lcs
SELENIUM	2.19	J	0.846	LOD	3.39	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD046-SE01** ***Collected:*** **6/3/2017 12:10:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SILVER	0.127	J	0.212	LOD	0.846	LOQ	mg/kg	J	RI
THALLIUM	0.209	J	0.212	LOD	0.846	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD047-SE01** ***Collected:*** **6/3/2017 11:50:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.291	J	0.503	LOD	1.01	LOQ	mg/kg	J	RI
CADMIUM	0.383	J	0.252	LOD	0.503	LOQ	mg/kg	J	RI
COPPER	11.2		0.503	LOD	2.01	LOQ	mg/kg	J+	Lcs
LEAD	16.4		0.126	LOD	1.01	LOQ	mg/kg	J+	Lcs
SELENIUM	0.993	J	0.503	LOD	2.01	LOQ	mg/kg	J	RI
SILVER	0.0744	J	0.126	LOD	0.503	LOQ	mg/kg	J	RI
SODIUM	186	J	50.3	LOD	201	LOQ	mg/kg	J	RI
THALLIUM	0.134	J	0.126	LOD	0.503	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD048-SE01** ***Collected:*** **6/3/2017 11:35:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.364	J	0.617	LOD	1.23	LOQ	mg/kg	J	RI
CADMIUM	0.366	J	0.309	LOD	0.617	LOQ	mg/kg	J	RI
COPPER	14.1		0.617	LOD	2.47	LOQ	mg/kg	J+	Lcs
LEAD	18.4		0.154	LOD	1.23	LOQ	mg/kg	J+	Lcs
SELENIUM	1.27	J	0.617	LOD	2.47	LOQ	mg/kg	J	RI
THALLIUM	0.122	J	0.154	LOD	0.617	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD049-SE01** ***Collected:*** **6/3/2017 11:20:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.658	J	0.850	LOD	1.70	LOQ	mg/kg	J	RI
CADMIUM	0.696	J	0.425	LOD	0.850	LOQ	mg/kg	J	RI
COPPER	19.2		0.850	LOD	3.40	LOQ	mg/kg	J+	Lcs
LEAD	24.3		0.212	LOD	1.70	LOQ	mg/kg	J+	Lcs

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD049-SE01** ***Collected:*** **6/3/2017 11:20:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	1.75	J	0.850	LOD	3.40	LOQ	mg/kg	J	Rl
SILVER	0.143	J	0.212	LOD	0.850	LOQ	mg/kg	J	Rl
SODIUM	304	J	85.0	LOD	340	LOQ	mg/kg	J	Rl
THALLIUM	0.155	J	0.212	LOD	0.850	LOQ	mg/kg	J	Rl

Sample ID: **CH-SWSD050-SE01** ***Collected:*** **6/3/2017 11:00:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.604	J	0.960	LOD	1.92	LOQ	mg/kg	J	Rl, Fd
CADMIUM	0.914	J	0.480	LOD	0.960	LOQ	mg/kg	J	Rl
COPPER	29.0		0.960	LOD	3.84	LOQ	mg/kg	J+	Lcs
LEAD	38.3		0.240	LOD	1.92	LOQ	mg/kg	J+	Lcs
SELENIUM	2.93	J	0.960	LOD	3.84	LOQ	mg/kg	J	Rl
SILVER	0.167	J	0.240	LOD	0.960	LOQ	mg/kg	J	Rl, Fd
THALLIUM	0.199	J	0.240	LOD	0.960	LOQ	mg/kg	J	Rl, Fd

Sample ID: **CH-SWSD050-SE01D** ***Collected:*** **6/3/2017 11:00:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	1.07	J	1.12	LOD	2.23	LOQ	mg/kg	J	Rl, Fd
CADMIUM	0.825	J	0.558	LOD	1.12	LOQ	mg/kg	J	Rl
COPPER	31.6		1.12	LOD	4.47	LOQ	mg/kg	J+	Lcs
LEAD	43.2		0.279	LOD	2.23	LOQ	mg/kg	J+	Lcs
SELENIUM	3.13	J	1.12	LOD	4.47	LOQ	mg/kg	J	Rl
SILVER	0.279	U	0.279	LOD	1.12	LOQ	mg/kg	UJ	Fd
SODIUM	416	J	112	LOD	447	LOQ	mg/kg	J	Rl
THALLIUM	0.272	J	0.279	LOD	1.12	LOQ	mg/kg	J	Rl, Fd

Sample ID: **CH-SWSD051-SE01** ***Collected:*** **6/3/2017 10:20:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	18300		43.7	LOD	175	LOQ	mg/kg	J+	Ms

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD051-SE01** ***Collected:*** **6/3/2017 10:20:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.933	J	0.875	LOD	1.75	LOQ	mg/kg	J	Rl
ARSENIC	5.43		1.75	LOD	3.50	LOQ	mg/kg	J+	Ms
BARIUM	133		1.75	LOD	3.50	LOQ	mg/kg	J+	Ms
CADMIUM	0.797	J	0.437	LOD	0.875	LOQ	mg/kg	J	Rl, Ld
COPPER	29.7		0.875	LOD	3.50	LOQ	mg/kg	J+	Lcs
IRON	14300		87.5	LOD	175	LOQ	mg/kg	J-	Ms
LEAD	38.7		0.219	LOD	1.75	LOQ	mg/kg	J+	Lcs
MANGANESE	199		0.875	LOD	3.50	LOQ	mg/kg	J+	Ms
SELENIUM	2.61	J	0.875	LOD	3.50	LOQ	mg/kg	J	Rl
SILVER	0.171	J	0.219	LOD	0.875	LOQ	mg/kg	J	Rl
SODIUM	333	J	87.5	LOD	350	LOQ	mg/kg	J	Rl
THALLIUM	0.242	J	0.219	LOD	0.875	LOQ	mg/kg	J	Rl
ZINC	93.1		13.1	LOD	26.2	LOQ	mg/kg	J+	Ms

Sample ID: **CH-SWSD052-SE01** ***Collected:*** **6/3/2017 10:05:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.213	J	0.247	LOD	0.494	LOQ	mg/kg	J	Rl
COPPER	11.2		0.494	LOD	1.98	LOQ	mg/kg	J+	Lcs
LEAD	13.5		0.124	LOD	0.989	LOQ	mg/kg	J+	Lcs
SELENIUM	0.816	J	0.494	LOD	1.98	LOQ	mg/kg	J	Rl
THALLIUM	0.117	J	0.124	LOD	0.494	LOQ	mg/kg	J	Rl

Sample ID: **CH-SWSD053-SE01** ***Collected:*** **6/3/2017 9:50:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.678	J	0.941	LOD	1.88	LOQ	mg/kg	J	Rl
COPPER	33.7		0.941	LOD	3.76	LOQ	mg/kg	J+	Lcs
LEAD	42.5		0.235	LOD	1.88	LOQ	mg/kg	J+	Lcs
SELENIUM	2.95	J	0.941	LOD	3.76	LOQ	mg/kg	J	Rl
SILVER	0.144	J	0.235	LOD	0.941	LOQ	mg/kg	J	Rl
THALLIUM	0.273	J	0.235	LOD	0.941	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD054-SE01** ***Collected:*** **6/3/2017 9:35:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.697	J	0.840	LOD	1.68	LOQ	mg/kg	J	Rl
COPPER	26.6		0.840	LOD	3.36	LOQ	mg/kg	J+	Lcs
LEAD	32.6		0.210	LOD	1.68	LOQ	mg/kg	J+	Lcs
SELENIUM	2.25	J	0.840	LOD	3.36	LOQ	mg/kg	J	Rl
SILVER	0.110	J	0.210	LOD	0.840	LOQ	mg/kg	J	Rl
THALLIUM	0.180	J	0.210	LOD	0.840	LOQ	mg/kg	J	Rl

Sample ID: **CH-SWSD055-SE01** ***Collected:*** **6/3/2017 9:15:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.933	J	0.876	LOD	1.75	LOQ	mg/kg	J	Rl
BERYLLIUM	2.17		0.219	LOD	0.876	LOQ	mg/kg	J	Fd
CADMIUM	0.744	J	0.438	LOD	0.876	LOQ	mg/kg	J	Rl
COPPER	26.9		0.876	LOD	3.50	LOQ	mg/kg	J+	Lcs
LEAD	33.7		0.219	LOD	1.75	LOQ	mg/kg	J+	Lcs
SELENIUM	1.93	J	0.876	LOD	3.50	LOQ	mg/kg	J	Rl

Sample ID: **CH-SWSD055-SE01D** ***Collected:*** **6/3/2017 9:15:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.779	J	1.18	LOD	2.37	LOQ	mg/kg	J	Rl
BERYLLIUM	1.51		0.296	LOD	1.18	LOQ	mg/kg	J	Fd
CADMIUM	0.754	J	0.592	LOD	1.18	LOQ	mg/kg	J	Rl
COPPER	23.3		1.18	LOD	4.74	LOQ	mg/kg	J+	Lcs
LEAD	30.8		0.296	LOD	2.37	LOQ	mg/kg	J+	Lcs
SELENIUM	1.76	J	1.18	LOD	4.74	LOQ	mg/kg	J	Rl
SODIUM	426	J	118	LOD	474	LOQ	mg/kg	J	Rl

Sample ID: **CH-SWSD056-SE01** ***Collected:*** **6/2/2017 5:10:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.316	J	0.250	LOD	0.500	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SEDIMENT

Sample ID: CH-SWSD056-SE01 **Collected:** 6/2/2017 5:10:00 PM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	35.4		0.500	LOD	1.00	LOQ	mg/kg	J-	Lcs
CADMIUM	0.185	J	0.125	LOD	0.250	LOQ	mg/kg	J	Rl
CALCIUM	862		50.0	LOD	100	LOQ	mg/kg	J-	Lcs
SELENIUM	0.305	J	0.250	LOD	1.00	LOQ	mg/kg	J	Rl
SILVER	0.0445	J	0.0626	LOD	0.250	LOQ	mg/kg	J	Rl
SODIUM	96.3	J	25.0	LOD	100	LOQ	mg/kg	J	Rl
THALLIUM	0.0946	J	0.0626	LOD	0.250	LOQ	mg/kg	J	Rl, Lcs

Sample ID: CH-SWSD057-SE01 **Collected:** 6/2/2017 4:55:00 PM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.244	J	0.262	LOD	0.525	LOQ	mg/kg	J	Rl
BARIUM	53.7		0.525	LOD	1.05	LOQ	mg/kg	J-	Lcs
CADMIUM	0.125	J	0.131	LOD	0.262	LOQ	mg/kg	J	Rl
CALCIUM	1240		52.5	LOD	105	LOQ	mg/kg	J-	Lcs
SELENIUM	0.647	J	0.262	LOD	1.05	LOQ	mg/kg	J	Rl
SILVER	0.0690	J	0.0656	LOD	0.262	LOQ	mg/kg	J	Rl
THALLIUM	0.114	J	0.0656	LOD	0.262	LOQ	mg/kg	J	Rl, Lcs

Sample ID: CH-SWSD058-SE01 **Collected:** 6/2/2017 4:45:00 PM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.124	J	0.233	LOD	0.466	LOQ	mg/kg	J	Rl
BARIUM	27.6		0.466	LOD	0.932	LOQ	mg/kg	J-	Lcs
CADMIUM	0.0778	J	0.117	LOD	0.233	LOQ	mg/kg	J	Rl
CALCIUM	625		46.6	LOD	93.2	LOQ	mg/kg	J-	Lcs
SELENIUM	0.324	J	0.233	LOD	0.932	LOQ	mg/kg	J	Rl
THALLIUM	0.0790	J	0.0583	LOD	0.233	LOQ	mg/kg	J	Rl, Lcs

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD059-SE01** ***Collected:*** **6/2/2017 4:30:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.684	J	0.664	LOD	1.33	LOQ	mg/kg	J	Rl
BARIUM	100		1.33	LOD	2.66	LOQ	mg/kg	J-	Lcs
CALCIUM	3680		133	LOD	266	LOQ	mg/kg	J-	Lcs
SELENIUM	1.49	J	0.664	LOD	2.66	LOQ	mg/kg	J	Rl
SILVER	0.110	J	0.166	LOD	0.664	LOQ	mg/kg	J	Rl
THALLIUM	0.198	J	0.166	LOD	0.664	LOQ	mg/kg	J	Rl, Lcs

Sample ID: **CH-SWSD060-SE01** ***Collected:*** **6/2/2017 4:15:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	5890		15.1	LOD	60.5	LOQ	mg/kg	J+	Ms
ANTIMONY	0.227	J	0.302	LOD	0.605	LOQ	mg/kg	J	Rl, Ld
ARSENIC	1.56		0.605	LOD	1.21	LOQ	mg/kg	J	Ld
BARIUM	28.4		0.605	LOD	1.21	LOQ	mg/kg	J	Ms, Lcs
CADMIUM	0.119	J	0.151	LOD	0.302	LOQ	mg/kg	J	Rl, Ld
CALCIUM	1070		60.5	LOD	121	LOQ	mg/kg	J	Lcs, Ld
CHROMIUM	7.54		0.302	LOD	1.21	LOQ	mg/kg	J+	Ms
IRON	5400		30.2	LOD	60.5	LOQ	mg/kg	J	Ms, Ld
LEAD	24.6		0.0756	LOD	0.605	LOQ	mg/kg	J-	Ms
MAGNESIUM	746		15.1	LOD	60.5	LOQ	mg/kg	J+	Ms
MANGANESE	102		0.302	LOD	1.21	LOQ	mg/kg	J+	Ms
NICKEL	3.95		0.302	LOD	1.21	LOQ	mg/kg	J	Ld
POTASSIUM	430		30.2	LOD	121	LOQ	mg/kg	J	Ld
SELENIUM	0.339	J	0.302	LOD	1.21	LOQ	mg/kg	J	Rl
SILVER	0.0442	J	0.0756	LOD	0.302	LOQ	mg/kg	J	Rl, Ld
SODIUM	114	J	30.2	LOD	121	LOQ	mg/kg	J	Rl, Ld
THALLIUM	0.0750	J	0.0756	LOD	0.302	LOQ	mg/kg	J	Rl, Ms, Lcs
VANADIUM	12.2		0.151	LOD	0.302	LOQ	mg/kg	J	Ms, Ld
ZINC	24.2		4.54	LOD	9.07	LOQ	mg/kg	J+	Ms

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD061-SE01** ***Collected:*** **6/2/2017 3:45:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	23.2		0.605	LOD	1.21	LOQ	mg/kg	J-	Lcs
CADMIUM	0.0868	J	0.151	LOD	0.302	LOQ	mg/kg	J	RI
CALCIUM	1560		60.5	LOD	121	LOQ	mg/kg	J-	Lcs
SELENIUM	0.258	J	0.302	LOD	1.21	LOQ	mg/kg	J	RI
THALLIUM	0.0496	J	0.0756	LOD	0.302	LOQ	mg/kg	J	RI, Lcs

Sample ID: **CH-SWSD062-SE01** ***Collected:*** **6/2/2017 3:30:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	11.7		0.473	LOD	0.945	LOQ	mg/kg	J-	Lcs
BERYLLIUM	0.138	J	0.0591	LOD	0.236	LOQ	mg/kg	J	RI
CALCIUM	388		47.3	LOD	94.5	LOQ	mg/kg	J-	Lcs
SELENIUM	0.124	J	0.236	LOD	0.945	LOQ	mg/kg	J	RI
SODIUM	63.3	J	23.6	LOD	94.5	LOQ	mg/kg	J	RI
THALLIUM	0.0366	J	0.0591	LOD	0.236	LOQ	mg/kg	J	RI, Lcs

Sample ID: **CH-SWSD063-SE01** ***Collected:*** **6/2/2017 3:10:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	20.6		0.401	LOD	0.802	LOQ	mg/kg	J-	Lcs
CADMIUM	0.0746	J	0.100	LOD	0.201	LOQ	mg/kg	J	RI
CALCIUM	841		40.1	LOD	80.2	LOQ	mg/kg	J-	Lcs
SELENIUM	0.236	J	0.201	LOD	0.802	LOQ	mg/kg	J	RI
SILVER	0.0515	J	0.0501	LOD	0.201	LOQ	mg/kg	J	RI
THALLIUM	0.0618	J	0.0501	LOD	0.201	LOQ	mg/kg	J	RI, Lcs

Sample ID: **CH-SWSD064-SE01** ***Collected:*** **6/2/2017 2:55:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	17.4		0.429	LOD	0.857	LOQ	mg/kg	J-	Lcs
CADMIUM	0.117	J	0.107	LOD	0.214	LOQ	mg/kg	J	RI
CALCIUM	737		42.9	LOD	85.7	LOQ	mg/kg	J-	Lcs

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD064-SE01** ***Collected:*** **6/2/2017 2:55:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.197	J	0.214	LOD	0.857	LOQ	mg/kg	J	Rl
SODIUM	73.7	J	21.4	LOD	85.7	LOQ	mg/kg	J	Rl
THALLIUM	0.0394	J	0.0536	LOD	0.214	LOQ	mg/kg	J	Rl, Lcs

Sample ID: **CH-SWSD065-SE01** ***Collected:*** **6/2/2017 2:40:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.206	J	0.364	LOD	0.728	LOQ	mg/kg	J	Rl
BARIUM	40.9		0.728	LOD	1.46	LOQ	mg/kg	J-	Lcs
CADMIUM	0.371		0.182	LOD	0.364	LOQ	mg/kg	J	Fd
CALCIUM	1390		72.8	LOD	146	LOQ	mg/kg	J-	Lcs
SELENIUM	0.424	J	0.364	LOD	1.46	LOQ	mg/kg	J	Rl
SILVER	0.0487	J	0.0909	LOD	0.364	LOQ	mg/kg	J	Rl, Fd
SODIUM	128	J	36.4	LOD	146	LOQ	mg/kg	J	Rl
THALLIUM	0.0873	J	0.0909	LOD	0.364	LOQ	mg/kg	J	Rl, Lcs

Sample ID: **CH-SWSD065-SE01D** ***Collected:*** **6/2/2017 2:40:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.253	J	0.335	LOD	0.671	LOQ	mg/kg	J	Rl
BARIUM	45.0		0.671	LOD	1.34	LOQ	mg/kg	J-	Lcs
CADMIUM	0.187	J	0.168	LOD	0.335	LOQ	mg/kg	J	Rl, Fd
CALCIUM	1190		67.1	LOD	134	LOQ	mg/kg	J-	Lcs
SELENIUM	0.383	J	0.335	LOD	1.34	LOQ	mg/kg	J	Rl
SILVER	0.0838	U	0.0838	LOD	0.335	LOQ	mg/kg	UJ	Fd
SODIUM	130	J	33.5	LOD	134	LOQ	mg/kg	J	Rl
THALLIUM	0.0717	J	0.0838	LOD	0.335	LOQ	mg/kg	J	Rl, Lcs

Sample ID: **CH-SWSD068-SE01** ***Collected:*** **6/2/2017 9:45:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.62	J	1.07	LOD	2.13	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD068-SE01** ***Collected:*** **6/2/2017 9:45:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	30.3		1.07	LOD	2.13	LOQ	mg/kg	J-	Lcs
BERYLLIUM	0.235	J	0.133	LOD	0.533	LOQ	mg/kg	J	RI
CALCIUM	597		107	LOD	213	LOQ	mg/kg	J-	Lcs
SELENIUM	0.627	J	0.533	LOD	2.13	LOQ	mg/kg	J	RI
SILVER	0.0677	J	0.133	LOD	0.533	LOQ	mg/kg	J	RI
SODIUM	176	J	53.3	LOD	213	LOQ	mg/kg	J	RI
THALLIUM	0.133	U	0.133	LOD	0.533	LOQ	mg/kg	UJ	Lcs
ZINC	15.2	J	8.00	LOD	16.0	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD069-SE01** ***Collected:*** **6/2/2017 10:10:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	2.96	J	1.64	LOD	3.28	LOQ	mg/kg	J	RI
BARIUM	51.0		1.64	LOD	3.28	LOQ	mg/kg	J-	Lcs
BERYLLIUM	0.552	J	0.205	LOD	0.819	LOQ	mg/kg	J	RI
CALCIUM	8480		164	LOD	328	LOQ	mg/kg	J-	Lcs
SELENIUM	1.38	J	0.819	LOD	3.28	LOQ	mg/kg	J	RI
SILVER	0.193	J	0.205	LOD	0.819	LOQ	mg/kg	J	RI
THALLIUM	0.205	U	0.205	LOD	0.819	LOQ	mg/kg	UJ	Lcs

Sample ID: **CH-SWSD070-SE01** ***Collected:*** **6/2/2017 10:28:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	91.5		1.15	LOD	2.29	LOQ	mg/kg	J-	Lcs
BERYLLIUM	0.389	J	0.143	LOD	0.574	LOQ	mg/kg	J	RI
CADMIUM	0.333	J	0.287	LOD	0.574	LOQ	mg/kg	J	RI
CALCIUM	2250		115	LOD	229	LOQ	mg/kg	J-	Lcs
SELENIUM	0.641	J	0.574	LOD	2.29	LOQ	mg/kg	J	RI
SILVER	0.0889	J	0.143	LOD	0.574	LOQ	mg/kg	J	RI
THALLIUM	0.109	J	0.143	LOD	0.574	LOQ	mg/kg	J	RI, Lcs

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD075-SE01** ***Collected:*** **6/2/2017 12:00:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.20	J	1.95	LOD	3.91	LOQ	mg/kg	J	Rl
BARIUM	40.3		1.95	LOD	3.91	LOQ	mg/kg	J-	Lcs
BERYLLIUM	0.428	J	0.244	LOD	0.977	LOQ	mg/kg	J	Rl
CALCIUM	923		195	LOD	391	LOQ	mg/kg	J	Lcs, Fd
COBALT	0.817	J	0.488	LOD	0.977	LOQ	mg/kg	J	Rl
SELENIUM	1.68	J	0.977	LOD	3.91	LOQ	mg/kg	J	Rl
SODIUM	349	J	97.7	LOD	391	LOQ	mg/kg	J	Rl
THALLIUM	0.244	U	0.244	LOD	0.977	LOQ	mg/kg	UJ	Lcs
ZINC	19.2	J	14.7	LOD	29.3	LOQ	mg/kg	J	Rl

Sample ID: **CH-SWSD075-SE01D** ***Collected:*** **6/2/2017 12:00:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.06	J	1.67	LOD	3.34	LOQ	mg/kg	J	Rl
BARIUM	35.8		1.67	LOD	3.34	LOQ	mg/kg	J-	Lcs
BERYLLIUM	0.345	J	0.209	LOD	0.834	LOQ	mg/kg	J	Rl
CALCIUM	618		167	LOD	334	LOQ	mg/kg	J	Lcs, Fd
COBALT	0.787	J	0.417	LOD	0.834	LOQ	mg/kg	J	Rl
SELENIUM	1.39	J	0.834	LOD	3.34	LOQ	mg/kg	J	Rl
SODIUM	266	J	83.4	LOD	334	LOQ	mg/kg	J	Rl
THALLIUM	0.209	U	0.209	LOD	0.834	LOQ	mg/kg	UJ	Lcs
ZINC	17.2	J	12.5	LOD	25.0	LOQ	mg/kg	J	Rl

Sample ID: **CH-SWSD076-SE01** ***Collected:*** **6/2/2017 12:25:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.882	J	1.29	LOD	2.57	LOQ	mg/kg	J	Rl
BARIUM	42.8		1.29	LOD	2.57	LOQ	mg/kg	J-	Lcs
BERYLLIUM	0.355	J	0.161	LOD	0.644	LOQ	mg/kg	J	Rl
CADMIUM	0.139	J	0.322	LOD	0.644	LOQ	mg/kg	J	Rl
CALCIUM	777		129	LOD	257	LOQ	mg/kg	J-	Lcs
COBALT	0.461	J	0.322	LOD	0.644	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD076-SE01** ***Collected:*** **6/2/2017 12:25:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.949	J	0.644	LOD	2.57	LOQ	mg/kg	J	RI
SODIUM	246	J	64.4	LOD	257	LOQ	mg/kg	J	RI
THALLIUM	0.161	U	0.161	LOD	0.644	LOQ	mg/kg	UJ	Lcs
ZINC	14.0	J	9.65	LOD	19.3	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD077-SE01** ***Collected:*** **6/2/2017 12:40:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.48	J	2.42	LOD	4.85	LOQ	mg/kg	J	RI
BARIUM	127		2.42	LOD	4.85	LOQ	mg/kg	J-	Lcs
BERYLLIUM	0.874	J	0.303	LOD	1.21	LOQ	mg/kg	J	RI
CADMIUM	0.509	J	0.606	LOD	1.21	LOQ	mg/kg	J	RI
CALCIUM	3380		242	LOD	485	LOQ	mg/kg	J-	Lcs
CHROMIUM	3.87	J	1.21	LOD	4.85	LOQ	mg/kg	J	RI
POTASSIUM	384	J	121	LOD	485	LOQ	mg/kg	J	RI
SELENIUM	1.53	J	1.21	LOD	4.85	LOQ	mg/kg	J	RI
SODIUM	409	J	121	LOD	485	LOQ	mg/kg	J	RI
THALLIUM	0.303	U	0.303	LOD	1.21	LOQ	mg/kg	UJ	Lcs

Sample ID: **CH-SWSD078-SE01** ***Collected:*** **6/2/2017 12:55:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.41	J	2.14	LOD	4.27	LOQ	mg/kg	J	RI
BARIUM	131		2.14	LOD	4.27	LOQ	mg/kg	J-	Lcs
BERYLLIUM	0.678	J	0.267	LOD	1.07	LOQ	mg/kg	J	RI
CADMIUM	0.475	J	0.534	LOD	1.07	LOQ	mg/kg	J	RI
CALCIUM	3820		214	LOD	427	LOQ	mg/kg	J-	Lcs
CHROMIUM	4.01	J	1.07	LOD	4.27	LOQ	mg/kg	J	RI
POTASSIUM	313	J	107	LOD	427	LOQ	mg/kg	J	RI
SELENIUM	1.77	J	1.07	LOD	4.27	LOQ	mg/kg	J	RI
SILVER	0.272	J	0.267	LOD	1.07	LOQ	mg/kg	J	RI
SODIUM	377	J	107	LOD	427	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD078-SE01** ***Collected:*** **6/2/2017 12:55:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.267	U	0.267	LOD	1.07	LOQ	mg/kg	UJ	Lcs

Sample ID: **CH-SWSD079-SE01** ***Collected:*** **6/2/2017 12:45:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.405	J	0.678	LOD	1.36	LOQ	mg/kg	J	RI
ARSENIC	1.71	J	1.36	LOD	2.71	LOQ	mg/kg	J	RI
BARIUM	44.5		1.36	LOD	2.71	LOQ	mg/kg	J-	Lcs
BERYLLIUM	0.292	J	0.169	LOD	0.678	LOQ	mg/kg	J	RI
CADMIUM	0.168	J	0.339	LOD	0.678	LOQ	mg/kg	J	RI
CALCIUM	1590		136	LOD	271	LOQ	mg/kg	J-	Lcs
SELENIUM	1.26	J	0.678	LOD	2.71	LOQ	mg/kg	J	RI
SILVER	0.190	J	0.169	LOD	0.678	LOQ	mg/kg	J	RI
THALLIUM	0.169	U	0.169	LOD	0.678	LOQ	mg/kg	UJ	Lcs

Sample ID: **CH-SWSD112-SE01** ***Collected:*** **6/3/2017 2:20:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.308	J	0.446	LOD	0.892	LOQ	mg/kg	J	RI
CADMIUM	0.330	J	0.223	LOD	0.446	LOQ	mg/kg	J	RI
COPPER	16.8		0.446	LOD	1.78	LOQ	mg/kg	J+	Lcs
LEAD	29.3		0.111	LOD	0.892	LOQ	mg/kg	J+	Lcs
SELENIUM	0.823	J	0.446	LOD	1.78	LOQ	mg/kg	J	RI
SILVER	0.103	J	0.111	LOD	0.446	LOQ	mg/kg	J	RI
THALLIUM	0.337	J	0.111	LOD	0.446	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD113-SE01** ***Collected:*** **6/3/2017 2:40:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0624	J	0.107	LOD	0.215	LOQ	mg/kg	J	RI
COPPER	4.16		0.215	LOD	0.858	LOQ	mg/kg	J+	Lcs
LEAD	6.37		0.0536	LOD	0.429	LOQ	mg/kg	J+	Lcs

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix: SEDIMENT**

Sample ID: CH-SWSD113-SE01 **Collected:** 6/3/2017 2:40:00 PM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.410	J	0.215	LOD	0.858	LOQ	mg/kg	J	RI
SILVER	0.0416	J	0.0536	LOD	0.215	LOQ	mg/kg	J	RI
THALLIUM	0.158	J	0.0536	LOD	0.215	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD114-SE01 **Collected:** 6/3/2017 3:05:00 PM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.198	J	0.0518	LOD	0.207	LOQ	mg/kg	J	RI
COPPER	1.47		0.207	LOD	0.829	LOQ	mg/kg	J+	Lcs
LEAD	3.70		0.0518	LOD	0.414	LOQ	mg/kg	J+	Lcs
SELENIUM	0.145	J	0.207	LOD	0.829	LOQ	mg/kg	J	RI
SODIUM	76.6	J	20.7	LOD	82.9	LOQ	mg/kg	J	RI
THALLIUM	0.0698	J	0.0518	LOD	0.207	LOQ	mg/kg	J	RI

Method Category: METALS

Method: 7199 **Matrix: SEDIMENT**

Sample ID: CH-SWSD050-SE01 **Collected:** 6/3/2017 11:00:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Hexavalent Chromium [Cr (VI)]	2.4	U	2.4	LOD	2.4	LOQ	mg/kg	UJ	Fd

Sample ID: CH-SWSD050-SE01D **Collected:** 6/3/2017 11:00:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Hexavalent Chromium [Cr (VI)]	3.7		2.4	LOD	2.4	LOQ	mg/kg	J	Fd

Sample ID: CH-SWSD060-SE01 **Collected:** 6/2/2017 4:15:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Hexavalent Chromium [Cr (VI)]	1.6		0.71	LOD	0.71	LOQ	mg/kg	J	Ms, Ld

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7471B **Matrix:** SEDIMENT

Sample ID: CH-SWSD046-SE01 **Collected:** 6/3/2017 12:10:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.175	J	0.0777	LOD	0.466	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD047-SE01 **Collected:** 6/3/2017 11:50:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.114	J	0.0440	LOD	0.264	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD048-SE01 **Collected:** 6/3/2017 11:35:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.156	J	0.0561	LOD	0.337	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD049-SE01 **Collected:** 6/3/2017 11:20:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.226	J	0.0745	LOD	0.447	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD050-SE01 **Collected:** 6/3/2017 11:00:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.339	J	0.0945	LOD	0.567	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD050-SE01D **Collected:** 6/3/2017 11:00:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.317	J	0.0939	LOD	0.564	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD051-SE01 **Collected:** 6/3/2017 10:20:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.301	J	0.0827	LOD	0.496	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7471B **Matrix:** SEDIMENT

Sample ID: CH-SWSD052-SE01 **Collected:** 6/3/2017 10:05:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.103	J	0.0479	LOD	0.288	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD053-SE01 **Collected:** 6/3/2017 9:50:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.350	J	0.0956	LOD	0.573	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD054-SE01 **Collected:** 6/3/2017 9:35:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.253	J	0.0896	LOD	0.538	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD055-SE01 **Collected:** 6/3/2017 9:15:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.223	J	0.0980	LOD	0.588	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD055-SE01D **Collected:** 6/3/2017 9:15:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.245	J	0.100	LOD	0.600	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD056-SE01 **Collected:** 6/2/2017 5:10:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0485	J	0.0264	LOD	0.158	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD057-SE01 **Collected:** 6/2/2017 4:55:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0728	J	0.0289	LOD	0.173	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **7471B** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD058-SE01** ***Collected:*** **6/2/2017 4:45:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0352	J	0.0259	LOD	0.155	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD059-SE01** ***Collected:*** **6/2/2017 4:30:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.131	J	0.0726	LOD	0.435	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD060-SE01** ***Collected:*** **6/2/2017 4:15:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0264	J	0.0279	LOD	0.168	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD061-SE01** ***Collected:*** **6/2/2017 3:45:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.127	J	0.0344	LOD	0.207	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD063-SE01** ***Collected:*** **6/2/2017 3:10:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0174	J	0.0240	LOD	0.144	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD064-SE01** ***Collected:*** **6/2/2017 2:55:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0297	J	0.0244	LOD	0.146	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD065-SE01** ***Collected:*** **6/2/2017 2:40:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0766	J	0.0361	LOD	0.216	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7471B **Matrix:** SEDIMENT

Sample ID: CH-SWSD065-SE01D **Collected:** 6/2/2017 2:40:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0566	J	0.0344	LOD	0.206	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD068-SE01 **Collected:** 6/2/2017 9:45:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0748	J	0.0477	LOD	0.286	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD069-SE01 **Collected:** 6/2/2017 10:10:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.164	J	0.0805	LOD	0.483	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD070-SE01 **Collected:** 6/2/2017 10:28:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0899	J	0.0502	LOD	0.301	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD075-SE01 **Collected:** 6/2/2017 12:00:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.113	J	0.0922	LOD	0.553	LOQ	mg/kg	J	RI, Fd

Sample ID: CH-SWSD075-SE01D **Collected:** 6/2/2017 12:00:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0826	J	0.0766	LOD	0.460	LOQ	mg/kg	J	RI, Fd

Sample ID: CH-SWSD076-SE01 **Collected:** 6/2/2017 12:25:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0731	J	0.0603	LOD	0.362	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **7471B** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD077-SE01** ***Collected:*** **6/2/2017 12:40:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0928	J	0.101	LOD	0.606	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD078-SE01** ***Collected:*** **6/2/2017 12:55:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.160	J	0.104	LOD	0.625	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD079-SE01** ***Collected:*** **6/2/2017 12:45:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.159	J	0.0538	LOD	0.323	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD112-SE01** ***Collected:*** **6/3/2017 2:20:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.104	J	0.0358	LOD	0.215	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD113-SE01** ***Collected:*** **6/3/2017 2:40:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0278	J	0.0230	LOD	0.138	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD114-SE01** ***Collected:*** **6/3/2017 3:05:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0179	J	0.0202	LOD	0.121	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD046-SE01 **Collected:** 6/3/2017 12:10:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.031	U	0.031	LOD	0.080	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.017	J	0.031	LOD	0.080	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHENE	0.031	U	0.031	LOD	0.080	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.021	J	0.031	LOD	0.080	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.027	J	0.031	LOD	0.080	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.058	J	0.031	LOD	0.080	LOQ	mg/kg	NP	RI, ProfJudg
Benzo (g,h,i) perylene	0.045	J	0.031	LOD	0.080	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.067	J	0.031	LOD	0.080	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.11		0.031	LOD	0.080	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.052	J	0.031	LOD	0.080	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.087		0.031	LOD	0.080	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.037	J	0.031	LOD	0.080	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.18		0.031	LOD	0.080	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.031	U	0.031	LOD	0.080	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.042	J	0.031	LOD	0.080	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.018	J	0.031	LOD	0.080	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.057	J	0.031	LOD	0.080	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.15		0.031	LOD	0.080	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD047-SE01 **Collected:** 6/3/2017 11:50:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.020	J	0.019	LOD	0.047	LOQ	mg/kg	J	RI
2-METHYLNAPHTHALENE	0.024	J	0.019	LOD	0.047	LOQ	mg/kg	J	RI
CARBAZOLE	0.079	J	0.093	LOD	0.093	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD048-SE01 **Collected:** 6/3/2017 11:35:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DIBENZOFURAN	0.10	J	0.11	LOD	0.11	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD049-SE01 **Collected:** 6/3/2017 11:20:00 AM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.091	J	0.15	LOD	0.15	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD049-SE01 **Collected:** 6/3/2017 11:20:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.025	J	0.030	LOD	0.077	LOQ	mg/kg	J	RI
2-METHYLNAPHTHALENE	0.023	J	0.030	LOD	0.077	LOQ	mg/kg	J	RI
ACENAPHTHENE	0.075	J	0.030	LOD	0.077	LOQ	mg/kg	J	RI
FLUORENE	0.072	J	0.030	LOD	0.077	LOQ	mg/kg	J	RI
NAPHTHALENE	0.043	J	0.030	LOD	0.077	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD050-SE01 **Collected:** 6/3/2017 11:00:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.065	J	0.039	LOD	0.10	LOQ	mg/kg	J	RI
2-METHYLNAPHTHALENE	0.062	J	0.039	LOD	0.10	LOQ	mg/kg	J	RI
DIBENZOFURAN	0.20	U	0.20	LOD	0.20	LOQ	mg/kg	UJ	Fd

Sample ID: CH-SWSD050-SE01D **Collected:** 6/3/2017 11:00:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.049	J	0.039	LOD	0.10	LOQ	mg/kg	J	RI
2-METHYLNAPHTHALENE	0.062	J	0.039	LOD	0.10	LOQ	mg/kg	J	RI
DIBENZOFURAN	0.10	J	0.20	LOD	0.20	LOQ	mg/kg	J	RI, Fd

Sample ID: CH-SWSD051-SE01 **Collected:** 6/3/2017 10:20:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.042	J	0.035	LOD	0.089	LOQ	mg/kg	J	RI
2-METHYLNAPHTHALENE	0.042	J	0.035	LOD	0.089	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD052-SE01 **Collected:** 6/3/2017 10:05:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.020	J	0.021	LOD	0.053	LOQ	mg/kg	NP	RI, ProfJudg
2-METHYLNAPHTHALENE	0.023	J	0.021	LOD	0.053	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHENE	0.046	J	0.021	LOD	0.053	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHYLENE	0.074		0.021	LOD	0.053	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.091		0.021	LOD	0.053	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.23		0.021	LOD	0.053	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.12		0.021	LOD	0.053	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.20		0.021	LOD	0.053	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.47		0.021	LOD	0.053	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20		0.021	LOD	0.053	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.34		0.021	LOD	0.053	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.045	J	0.021	LOD	0.053	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.56		0.021	LOD	0.053	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.030	J	0.021	LOD	0.053	LOQ	mg/kg	NP	RI, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.13		0.021	LOD	0.053	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.076		0.021	LOD	0.053	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.15		0.021	LOD	0.053	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.54		0.021	LOD	0.053	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD053-SE01 **Collected:** 6/3/2017 9:50:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.052	J	0.041	LOD	0.10	LOQ	mg/kg	J	RI
2-METHYLNAPHTHALENE	0.039	J	0.041	LOD	0.10	LOQ	mg/kg	J	RI
ACENAPHTHENE	0.097	J	0.041	LOD	0.10	LOQ	mg/kg	J	RI
CARBAZOLE	0.17	J	0.21	LOD	0.21	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD054-SE01 **Collected:** 6/3/2017 9:35:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.033	J	0.035	LOD	0.091	LOQ	mg/kg	J	RI
2-METHYLNAPHTHALENE	0.043	J	0.035	LOD	0.091	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD055-SE01 **Collected:** 6/3/2017 9:15:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.022	J	0.041	LOD	0.10	LOQ	mg/kg	J	Rl, Fd
ACENAPHTHENE	0.036	J	0.041	LOD	0.10	LOQ	mg/kg	J	Rl
DIBENZO(A,H)ANTHRACENE	0.11		0.041	LOD	0.10	LOQ	mg/kg	J	Fd
FLUORENE	0.042	J	0.041	LOD	0.10	LOQ	mg/kg	J	Rl
INDENO(1,2,3-CD)PYRENE	0.30		0.041	LOD	0.10	LOQ	mg/kg	J	Fd
NAPHTHALENE	0.046	J	0.041	LOD	0.10	LOQ	mg/kg	J	Rl, Fd

Sample ID: CH-SWSD055-SE01D **Collected:** 6/3/2017 9:15:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.040	U	0.040	LOD	0.10	LOQ	mg/kg	UJ	Fd
ACENAPHTHENE	0.043	J	0.040	LOD	0.10	LOQ	mg/kg	J	Rl
DIBENZO(A,H)ANTHRACENE	0.076	J	0.040	LOD	0.10	LOQ	mg/kg	J	Rl, Fd
FLUORENE	0.042	J	0.040	LOD	0.10	LOQ	mg/kg	J	Rl
INDENO(1,2,3-CD)PYRENE	0.21		0.040	LOD	0.10	LOQ	mg/kg	J	Fd
NAPHTHALENE	0.063	J	0.040	LOD	0.10	LOQ	mg/kg	J	Rl, Fd

Sample ID: CH-SWSD056-SE01 **Collected:** 6/2/2017 5:10:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.033	J	0.055	LOD	0.14	LOQ	mg/kg	J	Rl
2-METHYLNAPHTHALENE	0.040	J	0.055	LOD	0.14	LOQ	mg/kg	J	Rl
ACENAPHTHENE	0.092	J	0.055	LOD	0.14	LOQ	mg/kg	J	Rl
CARBAZOLE	0.17	J	0.27	LOD	0.27	LOQ	mg/kg	J	Rl
FLUORENE	0.11	J	0.055	LOD	0.14	LOQ	mg/kg	J	Rl
NAPHTHALENE	0.071	J	0.055	LOD	0.14	LOQ	mg/kg	J	Rl

Sample ID: CH-SWSD057-SE01 **Collected:** 6/2/2017 4:55:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.047	J	0.062	LOD	0.16	LOQ	mg/kg	J	Rl
ACENAPHTHENE	0.068	J	0.062	LOD	0.16	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix: SEDIMENT**

Sample ID:CH-SWSD057-SE01 **Collected: 6/2/2017 4:55:00 PM** **Analysis Type: Initial/TOT-BASE/ NEUTRAL** **Dilution: 5**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORENE	0.083	J	0.062	LOD	0.16	LOQ	mg/kg	J	RI
NAPHTHALENE	0.12	J	0.062	LOD	0.16	LOQ	mg/kg	J	RI

Sample ID:CH-SWSD058-SE01 **Collected: 6/2/2017 4:45:00 PM** **Analysis Type: Initial/TOT-BASE/ NEUTRAL** **Dilution: 5**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.049	J	0.054	LOD	0.14	LOQ	mg/kg	J	RI
FLUORENE	0.052	J	0.054	LOD	0.14	LOQ	mg/kg	J	RI

Sample ID:CH-SWSD059-SE01 **Collected: 6/2/2017 4:30:00 PM** **Analysis Type: Initial/TOT-BASE/ NEUTRAL** **Dilution: 5**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.084	J	0.16	LOD	0.40	LOQ	mg/kg	J	RI
ACENAPHTHYLENE	0.29	J	0.16	LOD	0.40	LOQ	mg/kg	J	RI
ANTHRACENE	0.36	J	0.16	LOD	0.40	LOQ	mg/kg	J	RI
DIBENZO(A,H)ANTHRACENE	0.30	J	0.16	LOD	0.40	LOQ	mg/kg	J	RI

Sample ID:CH-SWSD060-SE01 **Collected: 6/2/2017 4:15:00 PM** **Analysis Type: Initial/TOT-BASE/ NEUTRAL** **Dilution: 5**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.035	J	0.060	LOD	0.15	LOQ	mg/kg	J	RI
ACENAPHTHENE	0.058	J	0.060	LOD	0.15	LOQ	mg/kg	J	RI
ACENAPHTHYLENE	0.093	J	0.060	LOD	0.15	LOQ	mg/kg	J	RI
DIBENZO(A,H)ANTHRACENE	0.093	J	0.060	LOD	0.15	LOQ	mg/kg	J	RI
FLUORENE	0.064	J	0.060	LOD	0.15	LOQ	mg/kg	J	RI
NAPHTHALENE	0.10	J	0.060	LOD	0.15	LOQ	mg/kg	J	RI

Sample ID:CH-SWSD061-SE01 **Collected: 6/2/2017 3:45:00 PM** **Analysis Type: Initial/TOT-BASE/ NEUTRAL** **Dilution: 5**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.046	J	0.074	LOD	0.19	LOQ	mg/kg	J	RI
ACENAPHTHENE	0.053	J	0.074	LOD	0.19	LOQ	mg/kg	J	RI
ACENAPHTHYLENE	0.14	J	0.074	LOD	0.19	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD061-SE01 **Collected:** 6/2/2017 3:45:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DIBENZO(A,H)ANTHRACENE	0.11	J	0.074	LOD	0.19	LOQ	mg/kg	J	RI
FLUORENE	0.051	J	0.074	LOD	0.19	LOQ	mg/kg	J	RI
NAPHTHALENE	0.13	J	0.074	LOD	0.19	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD062-SE01 **Collected:** 6/2/2017 3:30:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.051	U	0.051	LOD	0.13	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.030	J	0.051	LOD	0.13	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHENE	0.034	J	0.051	LOD	0.13	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHYLENE	0.040	J	0.051	LOD	0.13	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.051	J	0.051	LOD	0.13	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.18		0.051	LOD	0.13	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.090	J	0.051	LOD	0.13	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.17		0.051	LOD	0.13	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.26		0.051	LOD	0.13	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.14		0.051	LOD	0.13	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.21		0.051	LOD	0.13	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.046	J	0.051	LOD	0.13	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.32		0.051	LOD	0.13	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.051	U	0.051	LOD	0.13	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.11	J	0.051	LOD	0.13	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.034	J	0.051	LOD	0.13	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.094	J	0.051	LOD	0.13	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.29		0.051	LOD	0.13	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD063-SE01 **Collected:** 6/2/2017 3:10:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.048	U	0.048	LOD	0.12	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.048	U	0.048	LOD	0.12	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.048	U	0.048	LOD	0.12	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD063-SE01 **Collected:** 6/2/2017 3:10:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.096	J	0.048	LOD	0.12	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.10	J	0.048	LOD	0.12	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.24		0.048	LOD	0.12	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.14		0.048	LOD	0.12	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.21		0.048	LOD	0.12	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.49		0.048	LOD	0.12	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.17		0.048	LOD	0.12	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.32		0.048	LOD	0.12	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.068	J	0.048	LOD	0.12	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.42		0.048	LOD	0.12	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.029	J	0.048	LOD	0.12	LOQ	mg/kg	NP	RI, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.15		0.048	LOD	0.12	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.028	J	0.048	LOD	0.12	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.10	J	0.048	LOD	0.12	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.42		0.048	LOD	0.12	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD064-SE01 **Collected:** 6/2/2017 2:55:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.027	J	0.050	LOD	0.13	LOQ	mg/kg	J	RI
ACENAPHTHENE	0.047	J	0.050	LOD	0.13	LOQ	mg/kg	J	RI
CAPROLACTAM	0.28	J	1.0	LOD	1.3	LOQ	mg/kg	J	RI
CARBAZOLE	0.13	J	0.25	LOD	0.25	LOQ	mg/kg	J	RI
FLUORENE	0.057	J	0.050	LOD	0.13	LOQ	mg/kg	J	RI
NAPHTHALENE	0.045	J	0.050	LOD	0.13	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD065-SE01 **Collected:** 6/2/2017 2:40:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.074	U	0.074	LOD	0.19	LOQ	mg/kg	UJ	Fd
2-METHYLNAPHTHALENE	0.049	J	0.074	LOD	0.19	LOQ	mg/kg	J	RI
ACENAPHTHENE	0.064	J	0.074	LOD	0.19	LOQ	mg/kg	J	RI, Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD065-SE01 **Collected:** 6/2/2017 2:40:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBAZOLE	0.37	U	0.37	LOD	0.37	LOQ	mg/kg	UJ	Fd
FLUORANTHENE	2.0		0.074	LOD	0.19	LOQ	mg/kg	J	Fd
FLUORENE	0.082	J	0.074	LOD	0.19	LOQ	mg/kg	J	Rl
NAPHTHALENE	0.091	J	0.074	LOD	0.19	LOQ	mg/kg	J	Rl, Fd
PHENANTHRENE	0.47		0.074	LOD	0.19	LOQ	mg/kg	J	Fd
PYRENE	1.8		0.074	LOD	0.19	LOQ	mg/kg	J	Fd

Sample ID: CH-SWSD065-SE01D **Collected:** 6/2/2017 2:40:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.042	J	0.068	LOD	0.17	LOQ	mg/kg	J	Rl, Fd
2-METHYLNAPHTHALENE	0.060	J	0.068	LOD	0.17	LOQ	mg/kg	J	Rl
ACENAPHTHENE	0.095	J	0.068	LOD	0.17	LOQ	mg/kg	J	Rl, Fd
CARBAZOLE	0.24	J	0.34	LOD	0.34	LOQ	mg/kg	J	Rl, Fd
FLUORANTHENE	3.5		0.068	LOD	0.17	LOQ	mg/kg	J	Fd
FLUORENE	0.10	J	0.068	LOD	0.17	LOQ	mg/kg	J	Rl
NAPHTHALENE	0.14	J	0.068	LOD	0.17	LOQ	mg/kg	J	Rl, Fd
PHENANTHRENE	1.1		0.068	LOD	0.17	LOQ	mg/kg	J	Fd
PYRENE	2.9		0.068	LOD	0.17	LOQ	mg/kg	J	Fd

Sample ID: CH-SWSD068-SE01 **Collected:** 6/2/2017 9:45:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.059	J	0.098	LOD	0.25	LOQ	mg/kg	J	Rl
CARBAZOLE	0.27	J	0.49	LOD	0.49	LOQ	mg/kg	J	Rl
FLUORENE	0.073	J	0.098	LOD	0.25	LOQ	mg/kg	J	Rl
NAPHTHALENE	0.11	J	0.098	LOD	0.25	LOQ	mg/kg	J	Rl

Sample ID: CH-SWSD069-SE01 **Collected:** 6/2/2017 10:10:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.088	J	0.16	LOD	0.41	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD069-SE01 **Collected:** 6/2/2017 10:10:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.11	J	0.16	LOD	0.41	LOQ	mg/kg	J	RI
CARBAZOLE	0.62	J	0.80	LOD	0.80	LOQ	mg/kg	J	RI
FLUORENE	0.13	J	0.16	LOD	0.41	LOQ	mg/kg	J	RI
NAPHTHALENE	0.22	J	0.16	LOD	0.41	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD070-SE01 **Collected:** 6/2/2017 10:28:00 AM **Analysis Type:** Initial/TOT-ACID **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	2.5	J	7.5	LOD	7.5	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD070-SE01 **Collected:** 6/2/2017 10:28:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.14	J	0.10	LOD	0.26	LOQ	mg/kg	J	RI
2-METHYLNAPHTHALENE	0.20	J	0.10	LOD	0.26	LOQ	mg/kg	J	RI
ACENAPHTHENE	0.13	J	0.10	LOD	0.26	LOQ	mg/kg	J	RI
BENZALDEHYDE	1.0	J	2.0	LOD	2.5	LOQ	mg/kg	J	RI
CARBAZOLE	0.37	J	0.50	LOD	0.50	LOQ	mg/kg	J	RI
FLUORENE	0.14	J	0.10	LOD	0.26	LOQ	mg/kg	J	RI
NAPHTHALENE	0.11	J	0.10	LOD	0.26	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD075-SE01 **Collected:** 6/2/2017 12:00:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.038	U	0.038	LOD	0.097	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.038	U	0.038	LOD	0.097	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.038	U	0.038	LOD	0.097	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.038	U	0.038	LOD	0.097	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.038	U	0.038	LOD	0.097	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.038	U	0.038	LOD	0.097	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.038	U	0.038	LOD	0.097	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.038	U	0.038	LOD	0.097	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD075-SE01 **Collected:** 6/2/2017 12:00:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(B)FLUORANTHENE	0.026	J	0.038	LOD	0.097	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
BENZO(K)FLUORANTHENE	0.038	U	0.038	LOD	0.097	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.038	U	0.038	LOD	0.097	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.023	J	0.038	LOD	0.097	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
FLUORANTHENE	0.024	J	0.038	LOD	0.097	LOQ	mg/kg	NP	Rl, ProfJudg
FLUORENE	0.038	U	0.038	LOD	0.097	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.038	U	0.038	LOD	0.097	LOQ	mg/kg	NP	Fd, ProfJudg
NAPHTHALENE	0.038	U	0.038	LOD	0.097	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.038	U	0.038	LOD	0.097	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.025	J	0.038	LOD	0.097	LOQ	mg/kg	NP	Rl, ProfJudg

Sample ID: CH-SWSD075-SE01D **Collected:** 6/2/2017 12:00:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.031	U	0.031	LOD	0.079	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.031	U	0.031	LOD	0.079	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.031	U	0.031	LOD	0.079	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.031	U	0.031	LOD	0.079	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.031	U	0.031	LOD	0.079	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.031	U	0.031	LOD	0.079	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.031	U	0.031	LOD	0.079	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.031	U	0.031	LOD	0.079	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.019	J	0.031	LOD	0.079	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
BENZO(K)FLUORANTHENE	0.031	U	0.031	LOD	0.079	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.031	U	0.031	LOD	0.079	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.031	U	0.031	LOD	0.079	LOQ	mg/kg	NP	Fd, ProfJudg
FLUORANTHENE	0.018	J	0.031	LOD	0.079	LOQ	mg/kg	NP	Rl, ProfJudg
FLUORENE	0.031	U	0.031	LOD	0.079	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.016	J	0.031	LOD	0.079	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
NAPHTHALENE	0.031	U	0.031	LOD	0.079	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.031	U	0.031	LOD	0.079	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.020	J	0.031	LOD	0.079	LOQ	mg/kg	NP	Rl, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD076-SE01 **Collected:** 6/2/2017 12:25:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.13	U	0.13	LOD	0.13	LOQ	mg/kg	UJ	EtoA
2-Methylphenol (o-Cresol)	0.13	U	0.13	LOD	0.13	LOQ	mg/kg	UJ	EtoA
4-Chloroaniline [p-Chloroaniline]	0.26	U	0.26	LOD	0.26	LOQ	mg/kg	UJ	EtoA

Sample ID: CH-SWSD076-SE01 **Collected:** 6/2/2017 12:25:00 PM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.13	U	0.13	LOD	0.13	LOQ	mg/kg	UJ	EtoA
4-CHLORO-3-METHYLPHENOL	0.13	U	0.13	LOD	0.13	LOQ	mg/kg	UJ	EtoA
BENZOIC ACID	1.6	J	1.9	LOD	1.9	LOQ	mg/kg	J	RI, EtoA

Sample ID: CH-SWSD076-SE01 **Collected:** 6/2/2017 12:25:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	0.13	U	0.13	LOD	0.13	LOQ	mg/kg	UJ	EtoA
1-METHYLNAPHTHALENE	0.026	U	0.026	LOD	0.065	LOQ	mg/kg	NP	EtoA, ProfJudg
2-CHLORONAPHTHALENE	0.051	U	0.051	LOD	0.13	LOQ	mg/kg	UJ	EtoA
2-METHYLNAPHTHALENE	0.026	U	0.026	LOD	0.065	LOQ	mg/kg	NP	EtoA, ProfJudg
ACENAPHTHENE	0.026	U	0.026	LOD	0.065	LOQ	mg/kg	NP	EtoA, ProfJudg
ACENAPHTHYLENE	0.026	U	0.026	LOD	0.065	LOQ	mg/kg	NP	EtoA, ProfJudg
ANTHRACENE	0.026	U	0.026	LOD	0.065	LOQ	mg/kg	NP	EtoA, ProfJudg
BENZ(A)ANTHRACENE	0.026	J	0.026	LOD	0.065	LOQ	mg/kg	NP	RI, EtoA, ProfJudg
BENZALDEHYDE	0.37	J	0.51	LOD	0.64	LOQ	mg/kg	J	RI, EtoA
Benzo (g,h,i) perylene	0.024	J	0.026	LOD	0.065	LOQ	mg/kg	NP	RI, EtoA, ProfJudg
BENZO(A)PYRENE	0.041	J	0.026	LOD	0.065	LOQ	mg/kg	NP	RI, EtoA, ProfJudg
BENZO(B)FLUORANTHENE	0.041	J	0.026	LOD	0.065	LOQ	mg/kg	NP	RI, EtoA, ProfJudg
BENZO(K)FLUORANTHENE	0.031	J	0.026	LOD	0.065	LOQ	mg/kg	NP	RI, EtoA, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	0.51	U	0.51	LOD	0.65	LOQ	mg/kg	UJ	EtoA
Butyl benzyl phthalate	0.51	U	0.51	LOD	0.64	LOQ	mg/kg	UJ	EtoA
CAPROLACTAM	0.51	U	0.51	LOD	0.64	LOQ	mg/kg	UJ	EtoA
CARBAZOLE	0.13	U	0.13	LOD	0.13	LOQ	mg/kg	UJ	EtoA

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD076-SE01 **Collected:** 6/2/2017 12:25:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.043	J	0.026	LOD	0.065	LOQ	mg/kg	NP	RI, EtoA, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.025	J	0.026	LOD	0.065	LOQ	mg/kg	NP	RI, EtoA, ProfJudg
DIBENZOFURAN	0.13	U	0.13	LOD	0.13	LOQ	mg/kg	UJ	EtoA
DIETHYL PHTHALATE	0.51	U	0.51	LOD	0.64	LOQ	mg/kg	UJ	EtoA
DIMETHYL PHTHALATE	0.51	U	0.51	LOD	0.64	LOQ	mg/kg	UJ	EtoA
DI-N-BUTYL PHTHALATE	0.51	U	0.51	LOD	0.64	LOQ	mg/kg	UJ	EtoA
DI-N-OCTYL PHTHALATE	0.51	U	0.51	LOD	0.64	LOQ	mg/kg	UJ	EtoA
FLUORANTHENE	0.067		0.026	LOD	0.065	LOQ	mg/kg	NP	EtoA, ProfJudg
FLUORENE	0.026	U	0.026	LOD	0.065	LOQ	mg/kg	NP	EtoA, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.026	J	0.026	LOD	0.065	LOQ	mg/kg	NP	RI, EtoA, ProfJudg
NAPHTHALENE	0.026	U	0.026	LOD	0.065	LOQ	mg/kg	NP	EtoA, ProfJudg
PHENANTHRENE	0.037	J	0.026	LOD	0.065	LOQ	mg/kg	NP	RI, EtoA, ProfJudg
PYRENE	0.056	J	0.026	LOD	0.065	LOQ	mg/kg	NP	RI, EtoA, ProfJudg

Sample ID: CH-SWSD077-SE01 **Collected:** 6/2/2017 12:40:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.14	J	0.20	LOD	0.51	LOQ	mg/kg	NP	RI, ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.16	J	0.20	LOD	0.51	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.20	J	0.20	LOD	0.51	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.22	J	0.20	LOD	0.51	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.30	J	0.20	LOD	0.51	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD077-SE01 **Collected:** 6/2/2017 12:40:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.14	J	0.20	LOD	0.51	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.25	J	0.20	LOD	0.51	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: CH-SWSD078-SE01 **Collected:** 6/2/2017 12:55:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.53	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.53	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.53	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.16	J	0.21	LOD	0.53	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.11	J	0.21	LOD	0.53	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.17	J	0.21	LOD	0.53	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.53	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.53	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.17	J	0.21	LOD	0.53	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: CH-SWSD079-SE01 **Collected:** 6/2/2017 12:45:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
4-Chloroaniline [p-Chloroaniline]	0.23	U	0.23	LOD	0.23	LOQ	mg/kg	UJ	Ms

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD079-SE01** ***Collected:*** **6/2/2017 12:45:00 PM** ***Analysis Type:*** **Initial/TOT-ACID** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	1.4	J	1.7	LOD	1.7	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD079-SE01** ***Collected:*** **6/2/2017 12:45:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.018	J	0.023	LOD	0.057	LOQ	mg/kg	NP	RI, ProfJudg
2-METHYLNAPHTHALENE	0.016	J	0.023	LOD	0.057	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHENE	0.034	J	0.023	LOD	0.057	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHYLENE	0.030	J	0.023	LOD	0.057	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.082		0.023	LOD	0.057	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.25		0.023	LOD	0.057	LOQ	mg/kg	NP	ProfJudg
BENZALDEHYDE	0.38	J	0.45	LOD	0.56	LOQ	mg/kg	J	RI
Benzo (g,h,i) perylene	0.15		0.023	LOD	0.057	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.25		0.023	LOD	0.057	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.36		0.023	LOD	0.057	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.16		0.023	LOD	0.057	LOQ	mg/kg	NP	ProfJudg
CARBAZOLE	0.067	J	0.11	LOD	0.11	LOQ	mg/kg	J	RI
CHRYSENE	0.27		0.023	LOD	0.057	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.045	J	0.023	LOD	0.057	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.57		0.023	LOD	0.057	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.095		0.023	LOD	0.057	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.14		0.023	LOD	0.057	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.030	J	0.023	LOD	0.057	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.34		0.023	LOD	0.057	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.47		0.023	LOD	0.057	LOQ	mg/kg	NP	ProfJudg

Sample ID: **CH-SWSD112-SE01** ***Collected:*** **6/3/2017 2:20:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
4-Chloroaniline [p-Chloroaniline]	0.15	U	0.15	LOD	0.15	LOQ	mg/kg	UJ	Ms

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD112-SE01** ***Collected:*** **6/3/2017 2:20:00 PM** ***Analysis Type:*** **Initial/TOT-ACID** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.52	J	1.1	LOD	1.1	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD112-SE01** ***Collected:*** **6/3/2017 2:20:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.017	J	0.015	LOD	0.038	LOQ	mg/kg	NP	RI, ProfJudg
2-METHYLNAPHTHALENE	0.020	J	0.015	LOD	0.038	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHENE	0.015	U	0.015	LOD	0.038	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.015	U	0.015	LOD	0.038	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.14		0.015	LOD	0.038	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.009	J	0.015	LOD	0.038	LOQ	mg/kg	NP	RI, ProfJudg
Benzo (g,h,i) perylene	0.015	U	0.015	LOD	0.038	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.011	J	0.015	LOD	0.038	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.018	J	0.015	LOD	0.038	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.015	U	0.015	LOD	0.038	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.013	J	0.015	LOD	0.038	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.015	U	0.015	LOD	0.038	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.024	J	0.015	LOD	0.038	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.015	U	0.015	LOD	0.038	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.013	J	0.015	LOD	0.038	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.019	J	0.015	LOD	0.038	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.036	J	0.015	LOD	0.038	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.029	J	0.015	LOD	0.038	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: **CH-SWSD113-SE01** ***Collected:*** **6/3/2017 2:40:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.006	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD113-SE01** ***Collected:*** **6/3/2017 2:40:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.005	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.009	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.008	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.005	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: **CH-SWSD114-SE01** ***Collected:*** **6/3/2017 3:05:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix: SEDIMENT**

Sample ID: CH-SWSD114-SE01 **Collected:** 6/3/2017 3:05:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NAPHTHALENE	0.007	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg

Method Category: SVOA

Method: 8270D SIM **Matrix: SEDIMENT**

Sample ID: CH-SWSD046-SE01 **Collected:** 6/3/2017 12:10:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.0048	J	0.0062	LOD	0.0078	LOQ	mg/kg	J	RI
DIBENZO(A,H)ANTHRACENE	0.0071	J	0.0062	LOD	0.0078	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD046-SE01 **Collected:** 6/3/2017 12:10:00 PM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0088		0.0062	LOD	0.0078	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.017		0.0062	LOD	0.0078	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.0052	J	0.0062	LOD	0.0078	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHYLENE	0.0089		0.0062	LOD	0.0078	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.020		0.0062	LOD	0.0078	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.072		0.0062	LOD	0.0078	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.073		0.0062	LOD	0.0078	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.16		0.0062	LOD	0.0078	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.021		0.0062	LOD	0.0078	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.14		0.0062	LOD	0.0078	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.10		0.0062	LOD	0.0078	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0080		0.0062	LOD	0.0078	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.22		0.0062	LOD	0.0078	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.039		0.0062	LOD	0.0078	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.025		0.0062	LOD	0.0078	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.026		0.0062	LOD	0.0078	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SEDIMENT

Sample ID: CH-SWSD046-SE01 **Collected:** 6/3/2017 12:10:00 PM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
PHENANTHRENE	0.079		0.0062	LOD	0.0078	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.24		0.0062	LOD	0.0078	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD052-SE01 **Collected:** 6/3/2017 10:05:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.024		0.0041	LOD	0.0052	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.035		0.0041	LOD	0.0052	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.050		0.0041	LOD	0.0052	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.064		0.0041	LOD	0.0052	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.085		0.0041	LOD	0.0052	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.28		0.0041	LOD	0.0052	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.24		0.0041	LOD	0.0052	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.76		0.0041	LOD	0.0052	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.063		0.0041	LOD	0.0052	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.25		0.0041	LOD	0.0052	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.40		0.0041	LOD	0.0052	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.028		0.0041	LOD	0.0052	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.65		0.0041	LOD	0.0052	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.040		0.0041	LOD	0.0052	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.083		0.0041	LOD	0.0052	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.089		0.0041	LOD	0.0052	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.19		0.0041	LOD	0.0052	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.95		0.0041	LOD	0.0052	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD063-SE01 **Collected:** 6/2/2017 3:10:00 PM **Analysis Type:** Dilution-01/TOT-BASE/NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0065	J	0.0096	LOD	0.012	LOQ	mg/kg	NP	RI, ProfJudg
2-METHYLNAPHTHALENE	0.011	J	0.0096	LOD	0.012	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHENE	0.017		0.0096	LOD	0.012	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.071		0.0096	LOD	0.012	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD063-SE01** ***Collected:*** **6/2/2017 3:10:00 PM** ***Analysis Type:*** **Dilution-01/TOT-BASE/NEUTRAL** ***Dilution:*** **5**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
ANTHRACENE	0.13		0.0096	LOD	0.012	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.27		0.0096	LOD	0.012	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.22		0.0096	LOD	0.012	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.062		0.0096	LOD	0.012	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.18		0.0096	LOD	0.012	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.32		0.0096	LOD	0.012	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.026		0.0096	LOD	0.012	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.017		0.0096	LOD	0.012	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.079		0.0096	LOD	0.012	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.027		0.0096	LOD	0.012	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.10		0.0096	LOD	0.012	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.44		0.0096	LOD	0.012	LOQ	mg/kg	NP	ProfJudg

Sample ID: **CH-SWSD063-SE01** ***Collected:*** **6/2/2017 3:10:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
BENZO(B)FLUORANTHENE	0.64	E	0.0019	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.51	E	0.0019	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg

Sample ID: **CH-SWSD075-SE01** ***Collected:*** **6/2/2017 12:00:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
ANTHRACENE	0.0046	J	0.0076	LOD	0.0095	LOQ	mg/kg	J	Rl, Fd
BENZ(A)ANTHRACENE	0.0083	J	0.0076	LOD	0.0095	LOQ	mg/kg	J	Rl, Fd
BENZO(A)PYRENE	0.0096		0.0076	LOD	0.0095	LOQ	mg/kg	J	Fd
BENZO(B)FLUORANTHENE	0.018		0.0076	LOD	0.0095	LOQ	mg/kg	J	Fd
BENZO(K)FLUORANTHENE	0.0062	J	0.0076	LOD	0.0095	LOQ	mg/kg	J	Rl, Fd
CHRYSENE	0.011		0.0076	LOD	0.0095	LOQ	mg/kg	J	Fd
FLUORANTHENE	0.018		0.0076	LOD	0.0095	LOQ	mg/kg	J	Fd
FLUORENE	0.0077	J	0.0076	LOD	0.0095	LOQ	mg/kg	J	Rl, Fd
PHENANTHRENE	0.0096		0.0076	LOD	0.0095	LOQ	mg/kg	J	Fd
PYRENE	0.016		0.0076	LOD	0.0095	LOQ	mg/kg	J	Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD075-SE01D** ***Collected:*** **6/2/2017 12:00:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.0027	J	0.0062	LOD	0.0077	LOQ	mg/kg	J	Rl, Fd
BENZ(A)ANTHRACENE	0.0049	J	0.0062	LOD	0.0077	LOQ	mg/kg	J	Rl, Fd
BENZO(A)PYRENE	0.0060	J	0.0062	LOD	0.0077	LOQ	mg/kg	J	Rl, Fd
BENZO(B)FLUORANTHENE	0.010		0.0062	LOD	0.0077	LOQ	mg/kg	J	Fd
BENZO(K)FLUORANTHENE	0.0036	J	0.0062	LOD	0.0077	LOQ	mg/kg	J	Rl, Fd
CHRYSENE	0.0065	J	0.0062	LOD	0.0077	LOQ	mg/kg	J	Rl, Fd
FLUORANTHENE	0.011		0.0062	LOD	0.0077	LOQ	mg/kg	J	Fd
FLUORENE	0.0039	J	0.0062	LOD	0.0077	LOQ	mg/kg	J	Rl, Fd
PHENANTHRENE	0.0059	J	0.0062	LOD	0.0077	LOQ	mg/kg	J	Rl, Fd
PYRENE	0.0097		0.0062	LOD	0.0077	LOQ	mg/kg	J	Fd

Sample ID: **CH-SWSD076-SE01** ***Collected:*** **6/2/2017 12:25:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0036	J	0.0051	LOD	0.0064	LOQ	mg/kg	J	Rl
2-METHYLNAPHTHALENE	0.0046	J	0.0051	LOD	0.0064	LOQ	mg/kg	J	Rl
BENZO(G,H,I)PERYLENE	0.0056	J	0.0051	LOD	0.0064	LOQ	mg/kg	J	Rl
DIBENZO(A,H)ANTHRACENE	0.0027	J	0.0051	LOD	0.0064	LOQ	mg/kg	J	Rl
NAPHTHALENE	0.0041	J	0.0051	LOD	0.0064	LOQ	mg/kg	J	Rl

Sample ID: **CH-SWSD076-SE01** ***Collected:*** **6/2/2017 12:25:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0051	U	0.0051	LOD	0.0064	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.0044	J	0.0051	LOD	0.0064	LOQ	mg/kg	NP	Rl, ProfJudg
ACENAPHTHENE	0.038		0.0051	LOD	0.0064	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.0051	U	0.0051	LOD	0.0064	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.0088		0.0051	LOD	0.0064	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.024		0.0051	LOD	0.0064	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.044		0.0051	LOD	0.0064	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.055		0.0051	LOD	0.0064	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.0063	J	0.0051	LOD	0.0064	LOQ	mg/kg	NP	Rl, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SEDIMENT

Sample ID: CH-SWSD076-SE01 **Collected:** 6/2/2017 12:25:00 PM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(K)FLUORANTHENE	0.019		0.0051	LOD	0.0064	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.035		0.0051	LOD	0.0064	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0027	J	0.0051	LOD	0.0064	LOQ	mg/kg	NP	Rl, ProfJudg
FLUORANTHENE	0.072		0.0051	LOD	0.0064	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.0051	U	0.0051	LOD	0.0064	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.0076		0.0051	LOD	0.0064	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.0051	U	0.0051	LOD	0.0064	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.035		0.0051	LOD	0.0064	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.059		0.0051	LOD	0.0064	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD077-SE01 **Collected:** 6/2/2017 12:40:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0057	J	0.0080	LOD	0.010	LOQ	mg/kg	J	Rl
2-METHYLNAPHTHALENE	0.0098	J	0.0080	LOD	0.010	LOQ	mg/kg	J	Rl
ACENAPHTHENE	0.0080	J	0.0080	LOD	0.010	LOQ	mg/kg	J	Rl
ACENAPHTHYLENE	0.0023	J	0.0080	LOD	0.010	LOQ	mg/kg	J	Rl
DIBENZO(A,H)ANTHRACENE	0.0062	J	0.0080	LOD	0.010	LOQ	mg/kg	J	Rl
FLUORENE	0.0081	J	0.0080	LOD	0.010	LOQ	mg/kg	J	Rl

Sample ID: CH-SWSD078-SE01 **Collected:** 6/2/2017 12:55:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.0075	J	0.0082	LOD	0.010	LOQ	mg/kg	J	Rl
ACENAPHTHENE	0.0084	J	0.0082	LOD	0.010	LOQ	mg/kg	J	Rl
ACENAPHTHYLENE	0.0021	J	0.0082	LOD	0.010	LOQ	mg/kg	J	Rl
DIBENZO(A,H)ANTHRACENE	0.0066	J	0.0082	LOD	0.010	LOQ	mg/kg	J	Rl

Sample ID: CH-SWSD079-SE01 **Collected:** 6/2/2017 12:45:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0056	J	0.0045	LOD	0.0056	LOQ	mg/kg	J-	Surr

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD079-SE01** ***Collected:*** **6/2/2017 12:45:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.0065		0.0045	LOD	0.0056	LOQ	mg/kg	J-	Surr
ACENAPHTHENE	0.056		0.0045	LOD	0.0056	LOQ	mg/kg	J-	Surr
ACENAPHTHYLENE	0.041		0.0045	LOD	0.0056	LOQ	mg/kg	J-	Surr
ANTHRACENE	0.031		0.0045	LOD	0.0056	LOQ	mg/kg	J-	Surr
BENZ(A)ANTHRACENE	0.11		0.0045	LOD	0.0056	LOQ	mg/kg	J-	Surr
BENZO(A)PYRENE	0.11		0.0045	LOD	0.0056	LOQ	mg/kg	J-	Surr
BENZO(B)FLUORANTHENE	0.19		0.0045	LOD	0.0056	LOQ	mg/kg	J-	Surr
BENZO(G,H,I)PERYLENE	0.028		0.0045	LOD	0.0056	LOQ	mg/kg	J-	Surr
BENZO(K)FLUORANTHENE	0.075		0.0045	LOD	0.0056	LOQ	mg/kg	J-	Surr
CHRYSENE	0.13		0.0045	LOD	0.0056	LOQ	mg/kg	J-	Surr
DIBENZO(A,H)ANTHRACENE	0.011		0.0045	LOD	0.0056	LOQ	mg/kg	J-	Surr
FLUORANTHENE	0.32		0.0045	LOD	0.0056	LOQ	mg/kg	J-	Surr
FLUORENE	0.0094		0.0045	LOD	0.0056	LOQ	mg/kg	J-	Surr
INDENO(1,2,3-CD)PYRENE	0.035		0.0045	LOD	0.0056	LOQ	mg/kg	J-	Surr
NAPHTHALENE	0.070		0.0045	LOD	0.0056	LOQ	mg/kg	J-	Surr
PHENANTHRENE	0.16		0.0045	LOD	0.0056	LOQ	mg/kg	J-	Surr
PYRENE	0.22		0.0045	LOD	0.0056	LOQ	mg/kg	J-	Surr

Sample ID: **CH-SWSD079-SE01-X** ***Collected:*** **6/2/2017 12:45:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0045	U	0.0045	LOD	0.0056	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
2-METHYLNAPHTHALENE	0.0045	J	0.0045	LOD	0.0056	LOQ	mg/kg	NP	RI, Surr, StoE, ProfJudg
ACENAPHTHENE	0.011		0.0045	LOD	0.0056	LOQ	mg/kg	NP	Lcs, Surr, StoE, ProfJudg
ACENAPHTHYLENE	0.0056	J	0.0045	LOD	0.0056	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
ANTHRACENE	0.053		0.0045	LOD	0.0056	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
BENZ(A)ANTHRACENE	0.17		0.0045	LOD	0.0056	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
BENZO(A)PYRENE	0.19		0.0045	LOD	0.0056	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.36		0.0045	LOD	0.0056	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
BENZO(G,H,I)PERYLENE	0.051		0.0045	LOD	0.0056	LOQ	mg/kg	NP	Surr, StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SEDIMENT

Sample ID: CH-SWSD079-SE01-X **Collected:** 6/2/2017 12:45:00 PM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(K)FLUORANTHENE	0.29		0.0045	LOD	0.0056	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
CHRYSENE	0.25		0.0045	LOD	0.0056	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.022		0.0045	LOD	0.0056	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
FLUORANTHENE	0.39		0.0045	LOD	0.0056	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
FLUORENE	0.0098		0.0045	LOD	0.0056	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.063		0.0045	LOD	0.0056	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
NAPHTHALENE	0.0083		0.0045	LOD	0.0056	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
PHENANTHRENE	0.31		0.0045	LOD	0.0056	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
PYRENE	0.59		0.0045	LOD	0.0056	LOQ	mg/kg	NP	Surr, StoE, ProfJudg

Sample ID: CH-SWSD112-SE01 **Collected:** 6/3/2017 2:20:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.0033	J	0.0030	LOD	0.0037	LOQ	mg/kg	J	RI
ANTHRACENE	0.13		0.0030	LOD	0.0037	LOQ	mg/kg	J-	Ms
BENZO(G,H,I)PERYLENE	0.0043		0.0030	LOD	0.0037	LOQ	mg/kg	J-	Ms
BENZO(K)FLUORANTHENE	0.014		0.0030	LOD	0.0037	LOQ	mg/kg	J+	Ms
INDENO(1,2,3-CD)PYRENE	0.0039		0.0030	LOD	0.0037	LOQ	mg/kg	J-	Ms
PYRENE	0.032		0.0030	LOD	0.0037	LOQ	mg/kg	J+	Ms

Sample ID: CH-SWSD113-SE01 **Collected:** 6/3/2017 2:40:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0015	J	0.0019	LOD	0.0024	LOQ	mg/kg	J	RI
ACENAPHTHYLENE	0.00050	J	0.0019	LOD	0.0024	LOQ	mg/kg	J	RI
BENZ(A)ANTHRACENE	0.00098	J	0.0019	LOD	0.0024	LOQ	mg/kg	J	RI
BENZO(A)PYRENE	0.0014	J	0.0019	LOD	0.0024	LOQ	mg/kg	J	RI
CHRYSENE	0.0016	J	0.0019	LOD	0.0024	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD113-SE01** ***Collected:*** **6/3/2017 2:40:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.0017	J	0.0019	LOD	0.0024	LOQ	mg/kg	NP	RI, ProfJudg
2-METHYLNAPHTHALENE	0.0031		0.0019	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.0019	U	0.0019	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.0019	U	0.0019	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.0067		0.0019	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.0011	J	0.0019	LOD	0.0024	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.0014	J	0.0019	LOD	0.0024	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.0021	J	0.0019	LOD	0.0024	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(G,H,I)PERYLENE	0.0019	U	0.0019	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.0051		0.0019	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.0017	J	0.0019	LOD	0.0024	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0019	U	0.0019	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.0024		0.0019	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.0032		0.0019	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.0019	U	0.0019	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.0078		0.0019	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.0026		0.0019	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.0041		0.0019	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg

Sample ID: **CH-SWSD114-SE01** ***Collected:*** **6/3/2017 3:05:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.0011	J	0.0017	LOD	0.0021	LOQ	mg/kg	J	RI
2-METHYLNAPHTHALENE	0.0020	J	0.0017	LOD	0.0021	LOQ	mg/kg	J	RI
BENZO(A)PYRENE	0.00089	J	0.0017	LOD	0.0021	LOQ	mg/kg	J	RI
BENZO(B)FLUORANTHENE	0.0013	J	0.0017	LOD	0.0021	LOQ	mg/kg	J	RI
CHRYSENE	0.00093	J	0.0017	LOD	0.0021	LOQ	mg/kg	J	RI
FLUORANTHENE	0.0015	J	0.0017	LOD	0.0021	LOQ	mg/kg	J	RI
PHENANTHRENE	0.0016	J	0.0017	LOD	0.0021	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD114-SE01** ***Collected:*** **6/3/2017 3:05:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.0011	J	0.0017	LOD	0.0021	LOQ	mg/kg	NP	RI, ProfJudg
2-METHYLNAPHTHALENE	0.0017	J	0.0017	LOD	0.0021	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHENE	0.0017	U	0.0017	LOD	0.0021	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.0017	U	0.0017	LOD	0.0021	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.0034		0.0017	LOD	0.0021	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.0017	U	0.0017	LOD	0.0021	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.0017	U	0.0017	LOD	0.0021	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.0013	J	0.0017	LOD	0.0021	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(G,H,I)PERYLENE	0.0017	U	0.0017	LOD	0.0021	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.0029		0.0017	LOD	0.0021	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.00095	J	0.0017	LOD	0.0021	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0017	U	0.0017	LOD	0.0021	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.0014	J	0.0017	LOD	0.0021	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.0032		0.0017	LOD	0.0021	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.0017	U	0.0017	LOD	0.0021	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.0080		0.0017	LOD	0.0021	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.0018	J	0.0017	LOD	0.0021	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.0021		0.0017	LOD	0.0021	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Reason Code Legend

Reason Code	*Description*
EtoA	Extraction to Analysis Estimation
Fd	Field Duplicate Precision
Lcs	Laboratory Control Spike Lower Estimation
Lcs	Laboratory Control Spike Upper Estimation
Ld	Laboratory Duplicate Precision
Mb	Method Blank Contamination
Ms	Matrix Spike Lower Estimation
Ms	Matrix Spike Precision
Ms	Matrix Spike Upper Estimation
ProfJudg	Professional Judgment
Rl	Reporting Limit Trace Value
StoE	Sampling to Extraction Rejection
Surr	Surrogate/Tracer Recovery Lower Estimation

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

QC Outlier Report: HoldingTimes

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D **Preparation Method: SW3546**

Matrix: SEDIMENT

Sample ID	Type	Actual	Criteria	Units	Flag
CH-SWSD076-SE01 (Initial/TOT)	Extraction To Analysis	57.00	40.00	DAYS	J- (all detects) UJ (all non-detects)

Method: 8270D SIM **Preparation Method: SW3546**

Matrix: SEDIMENT

Sample ID	Type	Actual	Criteria	Units	Flag
CH-SWSD079-SE01-X (Reanalysis-(	Sampling To Extraction	46.00	14.00	DAYS	J-(all detects) R(all non-detects)

Surrogate Outlier Report

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**
Matrix: **SEDIMENT**

Sample ID (Analysis Type)	*Surrogate*	*Sample % Recovery*	*% Recovery Limits*	*Affected Compounds*	*Flag*
CH-SWSD079-SE01 (Initial/TOT)	1-Methylnaphthalene-d10 BENZO (A) PYRENE-D12 Fluoranthene-d10	42 32 42	52.00-110.00 53.00-137.00 56.00-142.00	All Base/Neutral Target Analytes	J- (all detects) UJ (all non-detects)
CH-SWSD079-SE01-X (Reanalysis-01/ TOT)	1-Methylnaphthalene-d10 BENZO (A) PYRENE-D12 Fluoranthene-d10	21 48 39	52.00-110.00 53.00-137.00 56.00-142.00	All Base/Neutral Target Analytes	J-(all detects) UJ(all non-detects)

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D
Matrix: SEDIMENT

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-SWSD060-SE01MSD (CH-SWSD060-SE01)	2-CHLORONAPHTHALENE	-	-	41.00-114.00	30 (20.00)	2-CHLORONAPHTHALENE	J (all detects)
CH-SWSD112-SE01MS CH-SWSD112-SE01MSD (CH-SWSD112-SE01)	4-Chloroaniline [p-Chloroaniline]	0	-	17.00-106.00	200 (20.00)	4-Chloroaniline [p-Chloroaniline]	J(all detects) UJ(all non-detects)

Method: 6020A
Matrix: SEDIMENT

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-SWSD060-SE01MSD (Total) (CH-SWSD060-SE01)	THALLIUM	-	-	83.00-118.00	21 (20.00)	THALLIUM	J(all detects) UJ(all non-detects)
CH-SWSD060-SE01MS (Total) CH-SWSD060-SE01MSD (Total) (CH-SWSD060-SE01)	LEAD	1	-88	84.00-118.00	-	LEAD	J-(all detects) UJ(all non-detects)
CH-SWSD060-SE01MS (Total) CH-SWSD060-SE01MSD (Total) (CH-SWSD060-SE01)	ALUMINUM BARIUM CHROMIUM IRON MAGNESIUM MANGANESE VANADIUM ZINC	316 - 124 1017 164 390 129 212	423 157 - 537 139 223 123 208	78.00-124.00 86.00-116.00 83.00-119.00 81.00-124.00 80.00-123.00 85.00-116.00 82.00-116.00 82.00-119.00	- - - - - - - -	ALUMINUM BARIUM CHROMIUM IRON MAGNESIUM MANGANESE VANADIUM ZINC	J+(all detects)
CH-SWSD051-SE01MS (Total) (CH-SWSD051-SE01)	IRON	55	-	81.00-124.00	-	IRON	J-(all detects) UJ(all non-detects)
CH-SWSD051-SE01MS (Total) CH-SWSD051-SE01MSD (Total) (CH-SWSD051-SE01)	ALUMINUM ARSENIC BARIUM MANGANESE ZINC	- 124 130 151 221	161 - 131 137 213	78.00-124.00 82.00-118.00 86.00-116.00 85.00-116.00 82.00-119.00	- - - - -	ALUMINUM ARSENIC BARIUM MANGANESE ZINC	J+(all detects)

Method: 7199
Matrix: SEDIMENT

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-SWSD060-SE01MS (Total) (CH-SWSD060-SE01)	Hexavalent Chromium [Cr (VI)]	22	-	84.00-110.00	-	Hexavalent Chromium [Cr (VI)]	J-(all detects) UJ(all non-detects)

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 9060A
Matrix: SEDIMENT

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-SWSD060-SE01MSD (CH-SWSD060-SE01)	TOTAL ORGANIC CARBON (TOC)	-	-	47.00-143.00	34 (7.00)	TOTAL ORGANIC CARBON (TOC	J(all detects) UJ(all non-detects)

Method: 8270D
Matrix: SEDIMENT

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-SWSD079-SE01MS CH-SWSD079-SE01MSD (CH-SWSD079-SE01)	4-Chloroaniline [p-Chloroaniline]	0	0	17.00-106.00	-	4-Chloroaniline [p-Chloroaniline]	J-(all detects) UJ(all non-detects)

Method: 8270D SIM
Matrix: SEDIMENT

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-SWSD112-SE01MS CH-SWSD112-SE01MSD (CH-SWSD112-SE01)	ANTHRACENE BENZO(G,H,I)PERYLENE INDENO(1,2,3-CD)PYRENE	- 38 47	48 39 -	50.00-114.00 49.00-127.00 49.00-130.00	- - -	ANTHRACENE BENZO(G,H,I)PERYLENE INDENO(1,2,3-CD)PYRENE	J-(all detects) UJ(all non-detects)
CH-SWSD112-SE01MS CH-SWSD112-SE01MSD (CH-SWSD112-SE01)	BENZO(K)FLUORANTHENE PYRENE	- 123	129 136	56.00-123.00 55.00-117.00	- -	BENZO(K)FLUORANTHENE PYRENE	J+(all detects)

Lab Duplicate Outlier Report

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SEDIMENT

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
CH-SWSD060-SE01DUP (Total) (CH-SWSD060-SE01)	ANTIMONY	58	20.00	
	ARSENIC	26	20.00	
	CADMIUM	21	20.00	
	CALCIUM	21	20.00	
	IRON	25	20.00	J (all detects)
	NICKEL	26	20.00	UJ (all non-detects)
	POTASSIUM	24	20.00	
	SILVER	200	20.00	
	SODIUM	31	20.00	
	VANADIUM	22	20.00	

Method: 7199
Matrix: SEDIMENT

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
CH-SWSD060-SE01DUP (Total) (CH-SWSD060-SE01)	Hexavalent Chromium [Cr (VI)]	54	20.00	J(all detects) UJ(all non-detects)

Method: 9060A
Matrix: SEDIMENT

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
CH-SWSD055-SE01DUP (CH-SWSD055-SE01)	TOTAL ORGANIC CARBON (TOC)	36	30.00	J(all detects) UJ(all non-detects)

Method: 6020A
Matrix: SEDIMENT

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
CH-SWSD051-SE01DUP (Total) (CH-SWSD051-SE01)	CADMIUM	39	20.00	J(all detects) UJ(all non-detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SEDIMENT

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD050-SE01 (Total)	CH-SWSD050-SE01D (Total)			
ALUMINUM	16200	18300	12	30.00	
ARSENIC	5.11	6.27	20	30.00	
BARIUM	140	143	2	30.00	
BERYLLIUM	2.20	2.29	4	30.00	
CADMIUM	0.914	0.825	10	30.00	
CALCIUM	4450	4460	0	30.00	
CHROMIUM	21.7	24.6	13	30.00	
COBALT	5.67	5.08	11	30.00	
COPPER	29.0	31.6	9	30.00	
IRON	10600	12400	16	30.00	No Qualifiers Applied
LEAD	38.3	43.2	12	30.00	
MAGNESIUM	2220	2440	9	30.00	
MANGANESE	209	225	7	30.00	
NICKEL	12.3	13.7	11	30.00	
POTASSIUM	1100	1460	28	30.00	
SELENIUM	2.93	3.13	7	30.00	
SODIUM	393	416	6	30.00	
VANADIUM	43.5	50.7	15	30.00	
ZINC	92.0	90.0	2	30.00	
ANTIMONY	0.604	1.07	56	30.00	J(all detects) UJ(all non-detects)
SILVER	0.167	1.12 U	200	30.00	
THALLIUM	0.199	0.272	31	30.00	

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD065-SE01 (Total)	CH-SWSD065-SE01D (Total)			
ALUMINUM	6950	6090	13	30.00	
ANTIMONY	0.206	0.253	20	30.00	
ARSENIC	1.86	2.28	20	30.00	
BARIUM	40.9	45.0	10	30.00	
BERYLLIUM	0.677	0.660	3	30.00	
CALCIUM	1390	1190	16	30.00	
CHROMIUM	7.99	7.04	13	30.00	
COBALT	2.52	2.42	4	30.00	
COPPER	11.6	9.19	23	30.00	
IRON	5050	4990	1	30.00	No Qualifiers Applied
LEAD	28.9	25.2	14	30.00	
MAGNESIUM	979	831	16	30.00	
MANGANESE	106	103	3	30.00	
NICKEL	5.32	4.28	22	30.00	
POTASSIUM	518	464	11	30.00	
SELENIUM	0.424	0.383	10	30.00	
SODIUM	128	130	2	30.00	
THALLIUM	0.0873	0.0717	20	30.00	
VANADIUM	14.2	12.5	13	30.00	
ZINC	36.5	31.5	15	30.00	
CADMIUM	0.371	0.187	66	30.00	J(all detects)
SILVER	0.0487	0.335 U	200	30.00	UJ(all non-detects)

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD055-SE01 (Total)	CH-SWSD055-SE01D (Total)			

Project Name and Number: Camp Hero - Camp Hero

Field Duplicate RPD Report

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SEDIMENT

Analyte	CH-SWSD075-SE01 (Total)	CH-SWSD075-SE01D (Total)	Sample RPD	eQAPP RPD	Flag
ALUMINUM	12800	11700	9	30.00	
ANTIMONY	0.933	0.779	18	30.00	
ARSENIC	5.78	4.83	18	30.00	
BARIUM	100	103	3	30.00	
CADMIUM	0.744	0.754	1	30.00	
CALCIUM	4890	4940	1	30.00	
CHROMIUM	17.0	15.7	8	30.00	
COBALT	6.29	7.17	13	30.00	
COPPER	26.9	23.3	14	30.00	
IRON	14000	13900	1	30.00	No Qualifiers Applied
LEAD	33.7	30.8	9	30.00	
MAGNESIUM	2120	1970	7	30.00	
MANGANESE	268	331	21	30.00	
NICKEL	11.3	10.7	5	30.00	
POTASSIUM	962	1020	6	30.00	
SELENIUM	1.93	1.76	9	30.00	
SODIUM	351	426	19	30.00	
VANADIUM	37.3	34.0	9	30.00	
ZINC	82.0	79.3	3	30.00	
BERYLLIUM	2.17	1.51	36	30.00	J(all detects) UJ(all non-detects)

Analyte	CH-SWSD075-SE01 (Total)	CH-SWSD075-SE01D (Total)	Sample RPD	eQAPP RPD	Flag
ALUMINUM	11300	10500	7	30.00	
ARSENIC	1.20	1.06	12	30.00	
BARIUM	40.3	35.8	12	30.00	
BERYLLIUM	0.428	0.345	21	30.00	
CHROMIUM	7.17	8.08	12	30.00	
COBALT	0.817	0.787	4	30.00	
COPPER	16.2	12.8	23	30.00	
IRON	1150	1460	24	30.00	
LEAD	12.9	10.8	18	30.00	No Qualifiers Applied
MAGNESIUM	563	681	19	30.00	
MANGANESE	20.7	22.7	9	30.00	
NICKEL	4.28	4.49	5	30.00	
POTASSIUM	616	589	4	30.00	
SELENIUM	1.68	1.39	19	30.00	
SODIUM	349	266	27	30.00	
VANADIUM	19.6	16.7	16	30.00	
ZINC	19.2	17.2	11	30.00	
CALCIUM	923	618	40	30.00	J(all detects) UJ(all non-detects)

Method: 7199
Matrix: SEDIMENT

Analyte	CH-SWSD050-SE01 (Total)	CH-SWSD050-SE01D (Total)	Sample RPD	eQAPP RPD	Flag
Hexavalent Chromium [Cr (VI)]	2.4 U	3.7	200	30.00	J(all detects) UJ(all non-detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 7471B
Matrix: SEDIMENT

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD050-SE01 (Total)	CH-SWSD050-SE01D (Total)			
MERCURY	0.339	0.317	7	30.00	No Qualifiers Applied

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD065-SE01 (Total)	CH-SWSD065-SE01D (Total)			
MERCURY	0.0766	0.0566	30	30.00	No Qualifiers Applied

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD055-SE01 (Total)	CH-SWSD055-SE01D (Total)			
MERCURY	0.223	0.245	9	30.00	No Qualifiers Applied

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD075-SE01 (Total)	CH-SWSD075-SE01D (Total)			
MERCURY	0.113	0.0826	31	30.00	J(all detects) UJ(all non-detects)

Method: 8270D SIM
Matrix: SEDIMENT

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD075-SE01	CH-SWSD075-SE01D			
ANTHRACENE	0.0046	0.0027	52	30.00	
BENZ(A)ANTHRACENE	0.0083	0.0049	52	30.00	
BENZO(A)PYRENE	0.0096	0.0060	46	30.00	
BENZO(B)FLUORANTHENE	0.018	0.010	57	30.00	
BENZO(K)FLUORANTHENE	0.0062	0.0036	53	30.00	J(all detects)
CHRYSENE	0.011	0.0065	51	30.00	UJ(all non-detects)
FLUORANTHENE	0.018	0.011	48	30.00	
FLUORENE	0.0077	0.0039	66	30.00	
PHENANTHRENE	0.0096	0.0059	48	30.00	
PYRENE	0.016	0.0097	49	30.00	

Field Duplicate RPD Report

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D
Matrix: SEDIMENT

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD065-SE01	CH-SWSD065-SE01D			
2-METHYLNAPHTHALENE	0.049	0.060	20	30.00	No Qualifiers Applied
ACENAPHTHYLENE	0.32	0.42	27	30.00	
ANTHRACENE	0.37	0.47	24	30.00	
BENZ(A)ANTHRACENE	1.1	1.2	9	30.00	
Benzo (g,h,i) perylene	0.57	0.66	15	30.00	
BENZO(A)PYRENE	0.87	1.0	14	30.00	
BENZO(B)FLUORANTHENE	2.2	2.5	13	30.00	
BENZO(K)FLUORANTHENE	0.83	1.0	19	30.00	
CHRYSENE	1.5	1.9	24	30.00	
DIBENZO(A,H)ANTHRACENE	0.20	0.24	18	30.00	
FLUORENE	0.082	0.10	20	30.00	
INDENO(1,2,3-CD)PYRENE	0.58	0.65	11	30.00	
1-METHYLNAPHTHALENE	0.19 U	0.042	200	30.00	J(all detects) UJ(all non-detects)
ACENAPHTHENE	0.064	0.095	39	30.00	
CARBAZOLE	0.37 U	0.24	200	30.00	
FLUORANTHENE	2.0	3.5	55	30.00	
NAPHTHALENE	0.091	0.14	42	30.00	
PHENANTHRENE	0.47	1.1	80	30.00	
PYRENE	1.8	2.9	47	30.00	

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD050-SE01	CH-SWSD050-SE01D			
1-METHYLNAPHTHALENE	0.065	0.049	28	30.00	No Qualifiers Applied
2-METHYLNAPHTHALENE	0.062	0.062	0	30.00	
ACENAPHTHENE	0.16	0.12	29	30.00	
ACENAPHTHYLENE	0.57	0.68	18	30.00	
ANTHRACENE	0.74	0.80	8	30.00	
BENZ(A)ANTHRACENE	2.3	2.7	16	30.00	
Benzo (g,h,i) perylene	0.91	0.98	7	30.00	
BENZO(A)PYRENE	1.7	2.0	16	30.00	
BENZO(B)FLUORANTHENE	3.9	4.3	10	30.00	
BENZO(K)FLUORANTHENE	1.6	1.9	17	30.00	
CARBAZOLE	0.28	0.33	16	30.00	
CHRYSENE	3.0	3.5	15	30.00	
DIBENZO(A,H)ANTHRACENE	0.31	0.31	0	30.00	
FLUORANTHENE	3.8	3.6	5	30.00	
FLUORENE	0.16	0.14	13	30.00	
INDENO(1,2,3-CD)PYRENE	1.0	1.1	10	30.00	
NAPHTHALENE	0.16	0.15	6	30.00	
PHENANTHRENE	1.3	1.4	7	30.00	
PYRENE	4.1	3.8	8	30.00	
DIBENZOFURAN	0.20 U	0.10	200	30.00	J(all detects) UJ(all non-detects)

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD055-SE01	CH-SWSD055-SE01D			

Project Name and Number: Camp Hero - Camp Hero

Field Duplicate RPD Report

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D
Matrix: SEDIMENT

ACENAPHTHENE	0.036	0.043	18	30.00	
ACENAPHTHYLENE	0.15	0.14	7	30.00	
ANTHRACENE	0.20	0.18	11	30.00	
BENZ(A)ANTHRACENE	0.51	0.39	27	30.00	
Benzo (g,h,i) perylene	0.27	0.22	20	30.00	
BENZO(A)PYRENE	0.43	0.32	29	30.00	
BENZO(B)FLUORANTHENE	0.96	0.79	19	30.00	No Qualifiers Applied
BENZO(K)FLUORANTHENE	0.40	0.33	19	30.00	
CHRYSENE	0.73	0.60	20	30.00	
FLUORANTHENE	1.2	1.0	18	30.00	
FLUORENE	0.042	0.042	0	30.00	
PHENANTHRENE	0.27	0.35	26	30.00	
PYRENE	1.2	0.92	26	30.00	
2-METHYLNAPHTHALENE	0.022	0.10 U	200	30.00	
DIBENZO(A,H)ANTHRACENE	0.11	0.076	37	30.00	J(all detects)
INDENO(1,2,3-CD)PYRENE	0.30	0.21	35	30.00	UJ(all non-detects)
NAPHTHALENE	0.046	0.063	31	30.00	

Analyte	Concentration (mg/kg) CH-SWSD075-SE01	CH-SWSD075-SE01D	Sample RPD	eQAPP RPD	Flag
FLUORANTHENE	0.024	0.018	29	30.00	No Qualifiers Applied
PYRENE	0.025	0.020	22	30.00	
BENZO(B)FLUORANTHENE	0.026	0.019	31	30.00	J(all detects)
DIBENZO(A,H)ANTHRACENE	0.023	0.079 U	200	30.00	UJ(all non-detects)
INDENO(1,2,3-CD)PYRENE	0.097 U	0.016	200	30.00	

Method: 9045D
Matrix: SEDIMENT

Analyte	Concentration (pH Units) CH-SWSD050-SE01	CH-SWSD050-SE01D	Sample RPD	eQAPP RPD	Flag
PH	5.97	6.40	7	30.00	No Qualifiers Applied

Method: 9060A
Matrix: SEDIMENT

Analyte	Concentration (mg/kg) CH-SWSD065-SE01	CH-SWSD065-SE01D	Sample RPD	eQAPP RPD	Flag
TOTAL ORGANIC CARBON (TOC)	28400	18900	40	30.00	J(all detects) UJ(all non-detects)

Analyte	Concentration (mg/kg) CH-SWSD050-SE01	CH-SWSD050-SE01D	Sample RPD	eQAPP RPD	Flag
TOTAL ORGANIC CARBON (TOC)	177000	215000	19	30.00	No Qualifiers Applied

Analyte	Concentration (mg/kg) CH-SWSD055-SE01	CH-SWSD055-SE01D	Sample RPD	eQAPP RPD	Flag
TOTAL ORGANIC CARBON (TOC)	144000	212000	38	30.00	J(all detects) UJ(all non-detects)

Project Name and Number: Camp Hero - Camp Hero

Field Duplicate RPD Report

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 9060A
Matrix: SEDIMENT

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD075-SE01	CH-SWSD075-SE01D			
TOTAL ORGANIC CARBON (TOC)	305000	276000	10	30.00	No Qualifiers Applied

Method: Calculation
Matrix: SEDIMENT

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD050-SE01 (Total)	CH-SWSD050-SE01D (Total)			
TRIVALENT CHROMIUM	21.7	20.9	4	20.00	No Qualifiers Applied

Method: D1498
Matrix: SEDIMENT

Analyte	Concentration (mV)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD050-SE01	CH-SWSD050-SE01D			
Oxidation Reduction Potential (ORP)	247	189	27	30.00	No Qualifiers Applied

Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D
Matrix: SEDIMENT

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P8LHLCSQ158SLH026 (CH-SWSD046-SE01 CH-SWSD047-SE01 CH-SWSD048-SE01 CH-SWSD049-SE01 CH-SWSD050-SE01 CH-SWSD050-SE01D CH-SWSD051-SE01 CH-SWSD052-SE01 CH-SWSD053-SE01 CH-SWSD054-SE01 CH-SWSD055-SE01 CH-SWSD055-SE01D CH-SWSD112-SE01 CH-SWSD113-SE01 CH-SWSD114-SE01)	4-Chloroaniline [p-Chloroaniline]	110	-	17.00-106.00	-	4-Chloroaniline [p-Chloroaniline]	J+ (all detects)

Method: 6020A
Matrix: SEDIMENT

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P15963DQ159063704 (Total) (CH-SWSD056-SE01 CH-SWSD057-SE01 CH-SWSD058-SE01 CH-SWSD059-SE01 CH-SWSD060-SE01 CH-SWSD061-SE01 CH-SWSD062-SE01 CH-SWSD063-SE01 CH-SWSD064-SE01 CH-SWSD065-SE01 CH-SWSD065-SE01D CH-SWSD068-SE01 CH-SWSD069-SE01 CH-SWSD070-SE01 CH-SWSD075-SE01 CH-SWSD075-SE01D CH-SWSD076-SE01 CH-SWSD077-SE01 CH-SWSD078-SE01 CH-SWSD079-SE01)	BARIUM CALCIUM THALLIUM	83 84 76	- - -	86.00-116.00 86.00-118.00 83.00-118.00	- - -	BARIUM CALCIUM THALLIUM	J-(all detects) UJ(all non-detects)

Project Name and Number: Camp Hero - Camp Hero

Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SEDIMENT

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P15963GQ159063707 (Total) (CH-SWSD046-SE01 CH-SWSD047-SE01 CH-SWSD048-SE01 CH-SWSD049-SE01 CH-SWSD050-SE01 CH-SWSD050-SE01D CH-SWSD051-SE01 CH-SWSD052-SE01 CH-SWSD053-SE01 CH-SWSD054-SE01 CH-SWSD055-SE01 CH-SWSD055-SE01D CH-SWSD112-SE01 CH-SWSD113-SE01 CH-SWSD114-SE01)	COPPER LEAD	145 152	- -	84.00-119.00 84.00-118.00	- -	COPPER LEAD	J+(all detects)

Method: 8270D SIM
Matrix: SEDIMENT

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P8LALCSQ198SLA026 (CH-SWSD079-SE01-X)	ACENAPHTHENE	112	-	44.00-111.00	-	ACENAPHTHENE	J+(all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: SEDIMENT

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD046-SE01	ANTIMONY	J	0.502	1.69	LOQ	mg/kg	
	ARSENIC	J	2.93	3.39	LOQ	mg/kg	
	SELENIUM	J	2.19	3.39	LOQ	mg/kg	J (all detects)
	SILVER	J	0.127	0.846	LOQ	mg/kg	
	THALLIUM	J	0.209	0.846	LOQ	mg/kg	
CH-SWSD047-SE01	ANTIMONY	J	0.291	1.01	LOQ	mg/kg	
	CADMIUM	J	0.383	0.503	LOQ	mg/kg	
	SELENIUM	J	0.993	2.01	LOQ	mg/kg	
	SILVER	J	0.0744	0.503	LOQ	mg/kg	J (all detects)
	SODIUM	J	186	201	LOQ	mg/kg	
	THALLIUM	J	0.134	0.503	LOQ	mg/kg	
CH-SWSD048-SE01	ANTIMONY	J	0.364	1.23	LOQ	mg/kg	
	CADMIUM	J	0.366	0.617	LOQ	mg/kg	
	SELENIUM	J	1.27	2.47	LOQ	mg/kg	J (all detects)
	THALLIUM	J	0.122	0.617	LOQ	mg/kg	
CH-SWSD049-SE01	ANTIMONY	J	0.658	1.70	LOQ	mg/kg	
	CADMIUM	J	0.696	0.850	LOQ	mg/kg	
	SELENIUM	J	1.75	3.40	LOQ	mg/kg	
	SILVER	J	0.143	0.850	LOQ	mg/kg	J (all detects)
	SODIUM	J	304	340	LOQ	mg/kg	
	THALLIUM	J	0.155	0.850	LOQ	mg/kg	
CH-SWSD050-SE01	ANTIMONY	J	0.604	1.92	LOQ	mg/kg	
	CADMIUM	J	0.914	0.960	LOQ	mg/kg	
	SELENIUM	J	2.93	3.84	LOQ	mg/kg	J (all detects)
	SILVER	J	0.167	0.960	LOQ	mg/kg	
	THALLIUM	J	0.199	0.960	LOQ	mg/kg	
CH-SWSD050-SE01D	ANTIMONY	J	1.07	2.23	LOQ	mg/kg	
	CADMIUM	J	0.825	1.12	LOQ	mg/kg	
	SELENIUM	J	3.13	4.47	LOQ	mg/kg	J (all detects)
	SODIUM	J	416	447	LOQ	mg/kg	
	THALLIUM	J	0.272	1.12	LOQ	mg/kg	
CH-SWSD051-SE01	ANTIMONY	J	0.933	1.75	LOQ	mg/kg	
	CADMIUM	J	0.797	0.875	LOQ	mg/kg	
	SELENIUM	J	2.61	3.50	LOQ	mg/kg	
	SILVER	J	0.171	0.875	LOQ	mg/kg	J (all detects)
	SODIUM	J	333	350	LOQ	mg/kg	
	THALLIUM	J	0.242	0.875	LOQ	mg/kg	
CH-SWSD052-SE01	CADMIUM	J	0.213	0.494	LOQ	mg/kg	
	SELENIUM	J	0.816	1.98	LOQ	mg/kg	J (all detects)
	THALLIUM	J	0.117	0.494	LOQ	mg/kg	
CH-SWSD053-SE01	ANTIMONY	J	0.678	1.88	LOQ	mg/kg	
	SELENIUM	J	2.95	3.76	LOQ	mg/kg	
	SILVER	J	0.144	0.941	LOQ	mg/kg	J (all detects)
	THALLIUM	J	0.273	0.941	LOQ	mg/kg	
CH-SWSD054-SE01	ANTIMONY	J	0.697	1.68	LOQ	mg/kg	
	SELENIUM	J	2.25	3.36	LOQ	mg/kg	
	SILVER	J	0.110	0.840	LOQ	mg/kg	J (all detects)
	THALLIUM	J	0.180	0.840	LOQ	mg/kg	
CH-SWSD055-SE01	ANTIMONY	J	0.933	1.75	LOQ	mg/kg	
	CADMIUM	J	0.744	0.876	LOQ	mg/kg	J (all detects)
	SELENIUM	J	1.93	3.50	LOQ	mg/kg	

Project Name and Number: Camp Hero - Camp Hero

Reporting Limit Outliers

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: SEDIMENT

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD055-SE01D	ANTIMONY	J	0.779	2.37	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.754	1.18	LOQ	mg/kg	
	SELENIUM	J	1.76	4.74	LOQ	mg/kg	
	SODIUM	J	426	474	LOQ	mg/kg	
CH-SWSD056-SE01	ANTIMONY	J	0.316	0.500	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.185	0.250	LOQ	mg/kg	
	SELENIUM	J	0.305	1.00	LOQ	mg/kg	
	SILVER	J	0.0445	0.250	LOQ	mg/kg	
	SODIUM	J	96.3	100	LOQ	mg/kg	
	THALLIUM	J	0.0946	0.250	LOQ	mg/kg	
CH-SWSD057-SE01	ANTIMONY	J	0.244	0.525	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.125	0.262	LOQ	mg/kg	
	SELENIUM	J	0.647	1.05	LOQ	mg/kg	
	SILVER	J	0.0690	0.262	LOQ	mg/kg	
	THALLIUM	J	0.114	0.262	LOQ	mg/kg	
CH-SWSD058-SE01	ANTIMONY	J	0.124	0.466	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.0778	0.233	LOQ	mg/kg	
	SELENIUM	J	0.324	0.932	LOQ	mg/kg	
	THALLIUM	J	0.0790	0.233	LOQ	mg/kg	
CH-SWSD059-SE01	ANTIMONY	J	0.684	1.33	LOQ	mg/kg	J (all detects)
	SELENIUM	J	1.49	2.66	LOQ	mg/kg	
	SILVER	J	0.110	0.664	LOQ	mg/kg	
	THALLIUM	J	0.198	0.664	LOQ	mg/kg	
CH-SWSD060-SE01	ANTIMONY	J	0.227	0.605	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.119	0.302	LOQ	mg/kg	
	SELENIUM	J	0.339	1.21	LOQ	mg/kg	
	SILVER	J	0.0442	0.302	LOQ	mg/kg	
	SODIUM	J	114	121	LOQ	mg/kg	
	THALLIUM	J	0.0750	0.302	LOQ	mg/kg	
CH-SWSD061-SE01	CADMIUM	J	0.0868	0.302	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.258	1.21	LOQ	mg/kg	
	THALLIUM	J	0.0496	0.302	LOQ	mg/kg	
CH-SWSD062-SE01	BERYLLIUM	J	0.138	0.236	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.124	0.945	LOQ	mg/kg	
	SODIUM	J	63.3	94.5	LOQ	mg/kg	
	THALLIUM	J	0.0366	0.236	LOQ	mg/kg	
CH-SWSD063-SE01	CADMIUM	J	0.0746	0.201	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.236	0.802	LOQ	mg/kg	
	SILVER	J	0.0515	0.201	LOQ	mg/kg	
	THALLIUM	J	0.0618	0.201	LOQ	mg/kg	
CH-SWSD064-SE01	CADMIUM	J	0.117	0.214	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.197	0.857	LOQ	mg/kg	
	SODIUM	J	73.7	85.7	LOQ	mg/kg	
	THALLIUM	J	0.0394	0.214	LOQ	mg/kg	
CH-SWSD065-SE01	ANTIMONY	J	0.206	0.728	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.424	1.46	LOQ	mg/kg	
	SILVER	J	0.0487	0.364	LOQ	mg/kg	
	SODIUM	J	128	146	LOQ	mg/kg	
	THALLIUM	J	0.0873	0.364	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**

Matrix: **SEDIMENT**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD065-SE01D	ANTIMONY	J	0.253	0.671	LOQ	mg/kg	
	CADMIUM	J	0.187	0.335	LOQ	mg/kg	
	SELENIUM	J	0.383	1.34	LOQ	mg/kg	J (all detects)
	SODIUM	J	130	134	LOQ	mg/kg	
	THALLIUM	J	0.0717	0.335	LOQ	mg/kg	
CH-SWSD068-SE01	ARSENIC	J	1.62	2.13	LOQ	mg/kg	
	BERYLLIUM	J	0.235	0.533	LOQ	mg/kg	
	SELENIUM	J	0.627	2.13	LOQ	mg/kg	J (all detects)
	SILVER	J	0.0677	0.533	LOQ	mg/kg	
	SODIUM	J	176	213	LOQ	mg/kg	
	ZINC	J	15.2	16.0	LOQ	mg/kg	
CH-SWSD069-SE01	ARSENIC	J	2.96	3.28	LOQ	mg/kg	
	BERYLLIUM	J	0.552	0.819	LOQ	mg/kg	J (all detects)
	SELENIUM	J	1.38	3.28	LOQ	mg/kg	
	SILVER	J	0.193	0.819	LOQ	mg/kg	
CH-SWSD070-SE01	BERYLLIUM	J	0.389	0.574	LOQ	mg/kg	
	CADMIUM	J	0.333	0.574	LOQ	mg/kg	
	SELENIUM	J	0.641	2.29	LOQ	mg/kg	J (all detects)
	SILVER	J	0.0889	0.574	LOQ	mg/kg	
	THALLIUM	J	0.109	0.574	LOQ	mg/kg	
CH-SWSD075-SE01	ARSENIC	J	1.20	3.91	LOQ	mg/kg	
	BERYLLIUM	J	0.428	0.977	LOQ	mg/kg	
	COBALT	J	0.817	0.977	LOQ	mg/kg	J (all detects)
	SELENIUM	J	1.68	3.91	LOQ	mg/kg	
	SODIUM	J	349	391	LOQ	mg/kg	
	ZINC	J	19.2	29.3	LOQ	mg/kg	
CH-SWSD075-SE01D	ARSENIC	J	1.06	3.34	LOQ	mg/kg	
	BERYLLIUM	J	0.345	0.834	LOQ	mg/kg	
	COBALT	J	0.787	0.834	LOQ	mg/kg	J (all detects)
	SELENIUM	J	1.39	3.34	LOQ	mg/kg	
	SODIUM	J	266	334	LOQ	mg/kg	
	ZINC	J	17.2	25.0	LOQ	mg/kg	
CH-SWSD076-SE01	ARSENIC	J	0.882	2.57	LOQ	mg/kg	
	BERYLLIUM	J	0.355	0.644	LOQ	mg/kg	
	CADMIUM	J	0.139	0.644	LOQ	mg/kg	
	COBALT	J	0.461	0.644	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.949	2.57	LOQ	mg/kg	
	SODIUM	J	246	257	LOQ	mg/kg	
	ZINC	J	14.0	19.3	LOQ	mg/kg	
CH-SWSD077-SE01	ARSENIC	J	1.48	4.85	LOQ	mg/kg	
	BERYLLIUM	J	0.874	1.21	LOQ	mg/kg	
	CADMIUM	J	0.509	1.21	LOQ	mg/kg	
	CHROMIUM	J	3.87	4.85	LOQ	mg/kg	J (all detects)
	POTASSIUM	J	384	485	LOQ	mg/kg	
	SELENIUM	J	1.53	4.85	LOQ	mg/kg	
	SODIUM	J	409	485	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: SEDIMENT

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD078-SE01	ARSENIC	J	1.41	4.27	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.678	1.07	LOQ	mg/kg	
	CADMIUM	J	0.475	1.07	LOQ	mg/kg	
	CHROMIUM	J	4.01	4.27	LOQ	mg/kg	
	POTASSIUM	J	313	427	LOQ	mg/kg	
	SELENIUM	J	1.77	4.27	LOQ	mg/kg	
	SILVER	J	0.272	1.07	LOQ	mg/kg	
	SODIUM	J	377	427	LOQ	mg/kg	
CH-SWSD079-SE01	ANTIMONY	J	0.405	1.36	LOQ	mg/kg	J (all detects)
	ARSENIC	J	1.71	2.71	LOQ	mg/kg	
	BERYLLIUM	J	0.292	0.678	LOQ	mg/kg	
	CADMIUM	J	0.168	0.678	LOQ	mg/kg	
	SELENIUM	J	1.26	2.71	LOQ	mg/kg	
	SILVER	J	0.190	0.678	LOQ	mg/kg	
CH-SWSD112-SE01	ANTIMONY	J	0.308	0.892	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.330	0.446	LOQ	mg/kg	
	SELENIUM	J	0.823	1.78	LOQ	mg/kg	
	SILVER	J	0.103	0.446	LOQ	mg/kg	
	THALLIUM	J	0.337	0.446	LOQ	mg/kg	
CH-SWSD113-SE01	CADMIUM	J	0.0624	0.215	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.410	0.858	LOQ	mg/kg	
	SILVER	J	0.0416	0.215	LOQ	mg/kg	
	THALLIUM	J	0.158	0.215	LOQ	mg/kg	
CH-SWSD114-SE01	BERYLLIUM	J	0.198	0.207	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.145	0.829	LOQ	mg/kg	
	SODIUM	J	76.6	82.9	LOQ	mg/kg	
	THALLIUM	J	0.0698	0.207	LOQ	mg/kg	

Method: 7471B

Matrix: SEDIMENT

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD046-SE01	MERCURY	J	0.175	0.466	LOQ	mg/kg	J (all detects)
CH-SWSD047-SE01	MERCURY	J	0.114	0.264	LOQ	mg/kg	J (all detects)
CH-SWSD048-SE01	MERCURY	J	0.156	0.337	LOQ	mg/kg	J (all detects)
CH-SWSD049-SE01	MERCURY	J	0.226	0.447	LOQ	mg/kg	J (all detects)
CH-SWSD050-SE01	MERCURY	J	0.339	0.567	LOQ	mg/kg	J (all detects)
CH-SWSD050-SE01D	MERCURY	J	0.317	0.564	LOQ	mg/kg	J (all detects)
CH-SWSD051-SE01	MERCURY	J	0.301	0.496	LOQ	mg/kg	J (all detects)
CH-SWSD052-SE01	MERCURY	J	0.103	0.288	LOQ	mg/kg	J (all detects)
CH-SWSD053-SE01	MERCURY	J	0.350	0.573	LOQ	mg/kg	J (all detects)
CH-SWSD054-SE01	MERCURY	J	0.253	0.538	LOQ	mg/kg	J (all detects)
CH-SWSD055-SE01	MERCURY	J	0.223	0.588	LOQ	mg/kg	J (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **7471B**

Matrix: **SEDIMENT**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD055-SE01D	MERCURY	J	0.245	0.600	LOQ	mg/kg	J (all detects)
CH-SWSD056-SE01	MERCURY	J	0.0485	0.158	LOQ	mg/kg	J (all detects)
CH-SWSD057-SE01	MERCURY	J	0.0728	0.173	LOQ	mg/kg	J (all detects)
CH-SWSD058-SE01	MERCURY	J	0.0352	0.155	LOQ	mg/kg	J (all detects)
CH-SWSD059-SE01	MERCURY	J	0.131	0.435	LOQ	mg/kg	J (all detects)
CH-SWSD060-SE01	MERCURY	J	0.0264	0.168	LOQ	mg/kg	J (all detects)
CH-SWSD061-SE01	MERCURY	J	0.127	0.207	LOQ	mg/kg	J (all detects)
CH-SWSD063-SE01	MERCURY	J	0.0174	0.144	LOQ	mg/kg	J (all detects)
CH-SWSD064-SE01	MERCURY	J	0.0297	0.146	LOQ	mg/kg	J (all detects)
CH-SWSD065-SE01	MERCURY	J	0.0766	0.216	LOQ	mg/kg	J (all detects)
CH-SWSD065-SE01D	MERCURY	J	0.0566	0.206	LOQ	mg/kg	J (all detects)
CH-SWSD068-SE01	MERCURY	J	0.0748	0.286	LOQ	mg/kg	J (all detects)
CH-SWSD069-SE01	MERCURY	J	0.164	0.483	LOQ	mg/kg	J (all detects)
CH-SWSD070-SE01	MERCURY	J	0.0899	0.301	LOQ	mg/kg	J (all detects)
CH-SWSD075-SE01	MERCURY	J	0.113	0.553	LOQ	mg/kg	J (all detects)
CH-SWSD075-SE01D	MERCURY	J	0.0826	0.460	LOQ	mg/kg	J (all detects)
CH-SWSD076-SE01	MERCURY	J	0.0731	0.362	LOQ	mg/kg	J (all detects)
CH-SWSD077-SE01	MERCURY	J	0.0928	0.606	LOQ	mg/kg	J (all detects)
CH-SWSD078-SE01	MERCURY	J	0.160	0.625	LOQ	mg/kg	J (all detects)
CH-SWSD079-SE01	MERCURY	J	0.159	0.323	LOQ	mg/kg	J (all detects)
CH-SWSD112-SE01	MERCURY	J	0.104	0.215	LOQ	mg/kg	J (all detects)
CH-SWSD113-SE01	MERCURY	J	0.0278	0.138	LOQ	mg/kg	J (all detects)
CH-SWSD114-SE01	MERCURY	J	0.0179	0.121	LOQ	mg/kg	J (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D

Matrix: SEDIMENT

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD046-SE01	2-METHYLNAPHTHALENE	J	0.017	0.080	LOQ	mg/kg	J (all detects)
	ACENAPHTHYLENE	J	0.021	0.080	LOQ	mg/kg	
	ANTHRACENE	J	0.027	0.080	LOQ	mg/kg	
	BENZ(A)ANTHRACENE	J	0.058	0.080	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.045	0.080	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.067	0.080	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.052	0.080	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.037	0.080	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.042	0.080	LOQ	mg/kg	
	NAPHTHALENE	J	0.018	0.080	LOQ	mg/kg	
	PHENANTHRENE	J	0.057	0.080	LOQ	mg/kg	
CH-SWSD047-SE01	1-METHYLNAPHTHALENE	J	0.020	0.047	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.024	0.047	LOQ	mg/kg	
	CARBAZOLE	J	0.079	0.093	LOQ	mg/kg	
CH-SWSD048-SE01	DIBENZOFURAN	J	0.10	0.11	LOQ	mg/kg	J (all detects)
CH-SWSD049-SE01	1-METHYLNAPHTHALENE	J	0.025	0.077	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.023	0.077	LOQ	mg/kg	
	3/4-Methylphenol [m/p-Cresol]	J	0.091	0.15	LOQ	mg/kg	
	ACENAPHTHENE	J	0.075	0.077	LOQ	mg/kg	
	FLUORENE	J	0.072	0.077	LOQ	mg/kg	
	NAPHTHALENE	J	0.043	0.077	LOQ	mg/kg	
CH-SWSD050-SE01	1-METHYLNAPHTHALENE	J	0.065	0.10	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.062	0.10	LOQ	mg/kg	
CH-SWSD050-SE01D	1-METHYLNAPHTHALENE	J	0.049	0.10	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.062	0.10	LOQ	mg/kg	
	DIBENZOFURAN	J	0.10	0.20	LOQ	mg/kg	
CH-SWSD051-SE01	1-METHYLNAPHTHALENE	J	0.042	0.089	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.042	0.089	LOQ	mg/kg	
CH-SWSD052-SE01	1-METHYLNAPHTHALENE	J	0.020	0.053	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.023	0.053	LOQ	mg/kg	
	ACENAPHTHENE	J	0.046	0.053	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.045	0.053	LOQ	mg/kg	
	FLUORENE	J	0.030	0.053	LOQ	mg/kg	
CH-SWSD053-SE01	1-METHYLNAPHTHALENE	J	0.052	0.10	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.039	0.10	LOQ	mg/kg	
	ACENAPHTHENE	J	0.097	0.10	LOQ	mg/kg	
	CARBAZOLE	J	0.17	0.21	LOQ	mg/kg	
CH-SWSD054-SE01	1-METHYLNAPHTHALENE	J	0.033	0.091	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.043	0.091	LOQ	mg/kg	
CH-SWSD055-SE01	2-METHYLNAPHTHALENE	J	0.022	0.10	LOQ	mg/kg	J (all detects)
	ACENAPHTHENE	J	0.036	0.10	LOQ	mg/kg	
	FLUORENE	J	0.042	0.10	LOQ	mg/kg	
	NAPHTHALENE	J	0.046	0.10	LOQ	mg/kg	
CH-SWSD055-SE01D	ACENAPHTHENE	J	0.043	0.10	LOQ	mg/kg	J (all detects)
	DIBENZO(A,H)ANTHRACENE	J	0.076	0.10	LOQ	mg/kg	
	FLUORENE	J	0.042	0.10	LOQ	mg/kg	
	NAPHTHALENE	J	0.063	0.10	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D

Matrix: SEDIMENT

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD056-SE01	1-METHYLNAPHTHALENE	J	0.033	0.14	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.040	0.14	LOQ	mg/kg	
	ACENAPHTHENE	J	0.092	0.14	LOQ	mg/kg	
	CARBAZOLE	J	0.17	0.27	LOQ	mg/kg	
	FLUORENE	J	0.11	0.14	LOQ	mg/kg	
	NAPHTHALENE	J	0.071	0.14	LOQ	mg/kg	
CH-SWSD057-SE01	2-METHYLNAPHTHALENE	J	0.047	0.16	LOQ	mg/kg	J (all detects)
	ACENAPHTHENE	J	0.068	0.16	LOQ	mg/kg	
	FLUORENE	J	0.083	0.16	LOQ	mg/kg	
	NAPHTHALENE	J	0.12	0.16	LOQ	mg/kg	
CH-SWSD058-SE01	ACENAPHTHENE	J	0.049	0.14	LOQ	mg/kg	J (all detects)
	FLUORENE	J	0.052	0.14	LOQ	mg/kg	
CH-SWSD059-SE01	ACENAPHTHENE	J	0.084	0.40	LOQ	mg/kg	J (all detects)
	ACENAPHTHYLENE	J	0.29	0.40	LOQ	mg/kg	
	ANTHRACENE	J	0.36	0.40	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.30	0.40	LOQ	mg/kg	
CH-SWSD060-SE01	2-METHYLNAPHTHALENE	J	0.035	0.15	LOQ	mg/kg	J (all detects)
	ACENAPHTHENE	J	0.058	0.15	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.093	0.15	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.093	0.15	LOQ	mg/kg	
	FLUORENE	J	0.064	0.15	LOQ	mg/kg	
	NAPHTHALENE	J	0.10	0.15	LOQ	mg/kg	
CH-SWSD061-SE01	1-METHYLNAPHTHALENE	J	0.046	0.19	LOQ	mg/kg	J (all detects)
	ACENAPHTHENE	J	0.053	0.19	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.14	0.19	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.11	0.19	LOQ	mg/kg	
	FLUORENE	J	0.051	0.19	LOQ	mg/kg	
	NAPHTHALENE	J	0.13	0.19	LOQ	mg/kg	
CH-SWSD062-SE01	2-METHYLNAPHTHALENE	J	0.030	0.13	LOQ	mg/kg	J (all detects)
	ACENAPHTHENE	J	0.034	0.13	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.040	0.13	LOQ	mg/kg	
	ANTHRACENE	J	0.051	0.13	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.090	0.13	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.046	0.13	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.11	0.13	LOQ	mg/kg	
	NAPHTHALENE	J	0.034	0.13	LOQ	mg/kg	
	PHENANTHRENE	J	0.094	0.13	LOQ	mg/kg	
CH-SWSD063-SE01	ACENAPHTHYLENE	J	0.096	0.12	LOQ	mg/kg	J (all detects)
	ANTHRACENE	J	0.10	0.12	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.068	0.12	LOQ	mg/kg	
	FLUORENE	J	0.029	0.12	LOQ	mg/kg	
	NAPHTHALENE	J	0.028	0.12	LOQ	mg/kg	
	PHENANTHRENE	J	0.10	0.12	LOQ	mg/kg	
CH-SWSD064-SE01	2-METHYLNAPHTHALENE	J	0.027	0.13	LOQ	mg/kg	J (all detects)
	ACENAPHTHENE	J	0.047	0.13	LOQ	mg/kg	
	CAPROLACTAM	J	0.28	1.3	LOQ	mg/kg	
	CARBAZOLE	J	0.13	0.25	LOQ	mg/kg	
	FLUORENE	J	0.057	0.13	LOQ	mg/kg	
	NAPHTHALENE	J	0.045	0.13	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D

Matrix: SEDIMENT

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD065-SE01	2-METHYLNAPHTHALENE	J	0.049	0.19	LOQ	mg/kg	J (all detects)
	ACENAPHTHENE	J	0.064	0.19	LOQ	mg/kg	
	FLUORENE	J	0.082	0.19	LOQ	mg/kg	
	NAPHTHALENE	J	0.091	0.19	LOQ	mg/kg	
CH-SWSD065-SE01D	1-METHYLNAPHTHALENE	J	0.042	0.17	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.060	0.17	LOQ	mg/kg	
	ACENAPHTHENE	J	0.095	0.17	LOQ	mg/kg	
	CARBAZOLE	J	0.24	0.34	LOQ	mg/kg	
	FLUORENE	J	0.10	0.17	LOQ	mg/kg	
	NAPHTHALENE	J	0.14	0.17	LOQ	mg/kg	
CH-SWSD068-SE01	ACENAPHTHENE	J	0.059	0.25	LOQ	mg/kg	J (all detects)
	CARBAZOLE	J	0.27	0.49	LOQ	mg/kg	
	FLUORENE	J	0.073	0.25	LOQ	mg/kg	
	NAPHTHALENE	J	0.11	0.25	LOQ	mg/kg	
CH-SWSD069-SE01	2-METHYLNAPHTHALENE	J	0.088	0.41	LOQ	mg/kg	J (all detects)
	ACENAPHTHENE	J	0.11	0.41	LOQ	mg/kg	
	CARBAZOLE	J	0.62	0.80	LOQ	mg/kg	
	FLUORENE	J	0.13	0.41	LOQ	mg/kg	
	NAPHTHALENE	J	0.22	0.41	LOQ	mg/kg	
CH-SWSD070-SE01	1-METHYLNAPHTHALENE	J	0.14	0.26	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.20	0.26	LOQ	mg/kg	
	ACENAPHTHENE	J	0.13	0.26	LOQ	mg/kg	
	BENZALDEHYDE	J	1.0	2.5	LOQ	mg/kg	
	BENZOIC ACID	J	2.5	7.5	LOQ	mg/kg	
	CARBAZOLE	J	0.37	0.50	LOQ	mg/kg	
	FLUORENE	J	0.14	0.26	LOQ	mg/kg	
	NAPHTHALENE	J	0.11	0.26	LOQ	mg/kg	
CH-SWSD075-SE01	BENZO(B)FLUORANTHENE	J	0.026	0.097	LOQ	mg/kg	J (all detects)
	DIBENZO(A,H)ANTHRACENE	J	0.023	0.097	LOQ	mg/kg	
	FLUORANTHENE	J	0.024	0.097	LOQ	mg/kg	
	PYRENE	J	0.025	0.097	LOQ	mg/kg	
CH-SWSD075-SE01D	BENZO(B)FLUORANTHENE	J	0.019	0.079	LOQ	mg/kg	J (all detects)
	FLUORANTHENE	J	0.018	0.079	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.016	0.079	LOQ	mg/kg	
	PYRENE	J	0.020	0.079	LOQ	mg/kg	
CH-SWSD076-SE01	BENZ(A)ANTHRACENE	J	0.026	0.065	LOQ	mg/kg	J (all detects)
	BENZALDEHYDE	J	0.37	0.64	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.024	0.065	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.041	0.065	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.041	0.065	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.031	0.065	LOQ	mg/kg	
	BENZOIC ACID	J	1.6	1.9	LOQ	mg/kg	
	CHRYSENE	J	0.043	0.065	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.025	0.065	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.026	0.065	LOQ	mg/kg	
	PHENANTHRENE	J	0.037	0.065	LOQ	mg/kg	
	PYRENE	J	0.056	0.065	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D

Matrix: SEDIMENT

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD077-SE01	BENZ(A)ANTHRACENE	J	0.14	0.51	LOQ	mg/kg	J (all detects)
	BENZO(A)PYRENE	J	0.16	0.51	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.20	0.51	LOQ	mg/kg	
	CHRYSENE	J	0.22	0.51	LOQ	mg/kg	
	FLUORANTHENE	J	0.30	0.51	LOQ	mg/kg	
	PHENANTHRENE	J	0.14	0.51	LOQ	mg/kg	
	PYRENE	J	0.25	0.51	LOQ	mg/kg	
CH-SWSD078-SE01	BENZO(B)FLUORANTHENE	J	0.16	0.53	LOQ	mg/kg	J (all detects)
	CHRYSENE	J	0.11	0.53	LOQ	mg/kg	
	FLUORANTHENE	J	0.17	0.53	LOQ	mg/kg	
	PYRENE	J	0.17	0.53	LOQ	mg/kg	
CH-SWSD079-SE01	1-METHYLNAPHTHALENE	J	0.018	0.057	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.016	0.057	LOQ	mg/kg	
	ACENAPHTHENE	J	0.034	0.057	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.030	0.057	LOQ	mg/kg	
	BENZALDEHYDE	J	0.38	0.56	LOQ	mg/kg	
	BENZOIC ACID	J	1.4	1.7	LOQ	mg/kg	
	CARBAZOLE	J	0.067	0.11	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.045	0.057	LOQ	mg/kg	
	NAPHTHALENE	J	0.030	0.057	LOQ	mg/kg	
CH-SWSD112-SE01	1-METHYLNAPHTHALENE	J	0.017	0.038	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.020	0.038	LOQ	mg/kg	
	BENZ(A)ANTHRACENE	J	0.009	0.038	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.011	0.038	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.018	0.038	LOQ	mg/kg	
	BENZOIC ACID	J	0.52	1.1	LOQ	mg/kg	
	CHRYSENE	J	0.013	0.038	LOQ	mg/kg	
	FLUORANTHENE	J	0.024	0.038	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.013	0.038	LOQ	mg/kg	
	NAPHTHALENE	J	0.019	0.038	LOQ	mg/kg	
	PHENANTHRENE	J	0.036	0.038	LOQ	mg/kg	
	PYRENE	J	0.029	0.038	LOQ	mg/kg	
CH-SWSD113-SE01	ANTHRACENE	J	0.006	0.024	LOQ	mg/kg	J (all detects)
	BENZO(A)PYRENE	J	0.005	0.024	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.007	0.024	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.009	0.024	LOQ	mg/kg	
	NAPHTHALENE	J	0.008	0.024	LOQ	mg/kg	
	PYRENE	J	0.005	0.024	LOQ	mg/kg	
CH-SWSD114-SE01	NAPHTHALENE	J	0.007	0.021	LOQ	mg/kg	J (all detects)

Method: 8270D SIM

Matrix: SEDIMENT

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD046-SE01	ACENAPHTHENE	J	0.0052	0.0078	LOQ	mg/kg	J (all detects)
	DIBENZO(A,H)ANTHRACENE	J	0.0071	0.0078	LOQ	mg/kg	
CH-SWSD063-SE01	1-METHYLNAPHTHALENE	J	0.0065	0.012	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.011	0.012	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**

Matrix: **SEDIMENT**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD075-SE01	ANTHRACENE	J	0.0046	0.0095	LOQ	mg/kg	J (all detects)
	BENZ(A)ANTHRACENE	J	0.0083	0.0095	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.0062	0.0095	LOQ	mg/kg	
	FLUORENE	J	0.0077	0.0095	LOQ	mg/kg	
CH-SWSD075-SE01D	ANTHRACENE	J	0.0027	0.0077	LOQ	mg/kg	J (all detects)
	BENZ(A)ANTHRACENE	J	0.0049	0.0077	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.0060	0.0077	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.0036	0.0077	LOQ	mg/kg	
	CHRYSENE	J	0.0065	0.0077	LOQ	mg/kg	
	FLUORENE	J	0.0039	0.0077	LOQ	mg/kg	
	PHENANTHRENE	J	0.0059	0.0077	LOQ	mg/kg	
CH-SWSD076-SE01	1-METHYLNAPHTHALENE	J	0.0036	0.0064	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.0046	0.0064	LOQ	mg/kg	
	BENZO(G,H,I)PERYLENE	J	0.0056	0.0064	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.0027	0.0064	LOQ	mg/kg	
	NAPHTHALENE	J	0.0041	0.0064	LOQ	mg/kg	
CH-SWSD077-SE01	1-METHYLNAPHTHALENE	J	0.0057	0.010	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.0098	0.010	LOQ	mg/kg	
	ACENAPHTHENE	J	0.0080	0.010	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.0023	0.010	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.0062	0.010	LOQ	mg/kg	
	FLUORENE	J	0.0081	0.010	LOQ	mg/kg	
CH-SWSD078-SE01	2-METHYLNAPHTHALENE	J	0.0075	0.010	LOQ	mg/kg	J (all detects)
	ACENAPHTHENE	J	0.0084	0.010	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.0021	0.010	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.0066	0.010	LOQ	mg/kg	
CH-SWSD079-SE01-X	2-METHYLNAPHTHALENE	J	0.0045	0.0056	LOQ	mg/kg	J (all detects)
CH-SWSD112-SE01	ACENAPHTHYLENE	J	0.0033	0.0037	LOQ	mg/kg	J (all detects)
CH-SWSD113-SE01	1-METHYLNAPHTHALENE	J	0.0015	0.0024	LOQ	mg/kg	J (all detects)
	ACENAPHTHYLENE	J	0.00050	0.0024	LOQ	mg/kg	
	BENZ(A)ANTHRACENE	J	0.00098	0.0024	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.0014	0.0024	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.0021	0.0024	LOQ	mg/kg	
	CHRYSENE	J	0.0016	0.0024	LOQ	mg/kg	
CH-SWSD114-SE01	1-METHYLNAPHTHALENE	J	0.0011	0.0021	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.0017	0.0021	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.00089	0.0021	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.0013	0.0021	LOQ	mg/kg	
	CHRYSENE	J	0.00095	0.0021	LOQ	mg/kg	
	FLUORANTHENE	J	0.0014	0.0021	LOQ	mg/kg	
	PHENANTHRENE	J	0.0018	0.0021	LOQ	mg/kg	

Method Blank Outlier Report

Lab Reporting Batch ID: APP21 **Laboratory: LLL**

EDD Filename: APP21-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**
Matrix: **SEDIMENT**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P15963DB159063704	6/16/2017 3:55:00 AM	COPPER	0.114 mg/kg	CH-SWSD056-SE01 CH-SWSD057-SE01 CH-SWSD058-SE01 CH-SWSD059-SE01 CH-SWSD060-SE01 CH-SWSD061-SE01 CH-SWSD062-SE01 CH-SWSD063-SE01 CH-SWSD064-SE01 CH-SWSD065-SE01 CH-SWSD065-SE01D CH-SWSD068-SE01 CH-SWSD069-SE01 CH-SWSD070-SE01 CH-SWSD075-SE01 CH-SWSD075-SE01D CH-SWSD076-SE01 CH-SWSD077-SE01 CH-SWSD078-SE01 CH-SWSD079-SE01
P15963GB159063707	6/16/2017 12:29:00 PM	CHROMIUM	0.132 mg/kg	CH-SWSD046-SE01 CH-SWSD047-SE01 CH-SWSD048-SE01 CH-SWSD049-SE01 CH-SWSD050-SE01 CH-SWSD050-SE01D CH-SWSD051-SE01 CH-SWSD052-SE01 CH-SWSD053-SE01 CH-SWSD054-SE01 CH-SWSD055-SE01 CH-SWSD055-SE01D CH-SWSD112-SE01 CH-SWSD113-SE01 CH-SWSD114-SE01

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Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page	1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.		
Laboratory SDG:	APP22		
Date(s) of Collection:	June 2nd – 3rd 2017		
Number/Type Samples & Analyses:	44 surface water samples plus 3 MS/MSD, 6 duplicate, and 2 equipment blanks for a project-specific list of SVOCs, PAHs, hexavalent chromium, and metals		
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA		
Completed:	November 11th, 2017		

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for surface water data included in Sample Delivery Group (SDG) APP22. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017.

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✓ Holding times and sample preservation

✗ Laboratory method blank data

✓ Field rinsate blank data

NA Trip blank data

✗ Laboratory control sample (LCS) recoveries

✗ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✗ Surrogate recoveries

✗ Laboratory duplicate results

✗ Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of "J" data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

All the surface water and equipment blank samples were run for regular 8270 and 8270 SIM. The final results will be presented in 8270 SIM.

The original analyses of several samples in method 8270D had low surrogate recovery or benzoic acid detected in the method blank; the lab re-extracted the batch outside of recommended extraction hold times and all samples have acceptable surrogate recovery or no benzoic acid detections. (CH-SWSD069-SW01, CH-SWSD072-SW01, CH-SWSD072-SW01F, CH-SWSD078-SW01, CH-SWSD076-SW01, CH-SWSD057-SW01, CH-SWSD058-SW01, CH-SWSD020-SW01, CH-SWSD119-SW01) The results between the first and second runs are comparable. The initial results will be reported as the final results.

Sample CH-SWSD072-SW01 had low surrogate recovery in method 8270 SIM. The sample was re-extracted but outside the method required holding time. The initial results will be presented as the final results.

Due to method blank contamination in the total chromium result, the calculated chromium III was adjusted to a nondetect in sample CH-SWSD060-SW01 and CH-SWSD060-SW01D.

This data package was revised 11/9/2017 due to the Eurofins SW6020A metals data breach. The majority of the data changes were made to Quality Control (QC) and/or calibration checks, not to actual sample results. The few field sample result changes were due to the originally reported result exceeding the linear calibration range of the instrument; those results were changed to be slightly lower than the upper limit of the calibration range.

In this package, manganese was detected in the ICSA and outside of QC limits; however in the ICSAB, manganese was within QC limits.

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Validation Area	*Note*
Technical Holding Times	SR
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	SR
Surrogate/Tracer Spikes	SR
Matrix Spike/Matrix Spike Duplicates	SR
Laboratory Duplicates	SR
Laboratory Replicates	N
Laboratory Control Samples	SR
Compound Quantitation	SR
Field Duplicates	SR
Field Triplicates	N
Field Blanks	A

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 218.6 **Matrix: WATER**

Sample ID: CH-SWSD050-SW01 **Collected:** 6/3/2017 10:30:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Hexavalent Chromium [Cr (VI)]	0.17		0.050	LOD	0.050	LOQ	ug/l	J	Ms, Ld

Sample ID: CH-SWSD120-SW01 **Collected:** 6/3/2017 10:45:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Hexavalent Chromium [Cr (VI)]	0.22		0.050	LOD	0.050	LOQ	ug/l	J	Fd

Sample ID: CH-SWSD120-SW01D **Collected:** 6/3/2017 10:45:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Hexavalent Chromium [Cr (VI)]	0.050	U	0.050	LOD	0.050	LOQ	ug/l	UJ	Fd

Method Category: METALS

Method: 6020A **Matrix: WATER**

Sample ID: CH-SWSD046-SW01 **Collected:** 6/3/2017 11:50:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	79.6	J	50.0	LOD	200	LOQ	ug/l	J	Rl
CHROMIUM	0.99	J	2.0	LOD	4.0	LOQ	ug/l	U	Mb
COPPER	0.86	J	1.0	LOD	4.0	LOQ	ug/l	J	Rl
LEAD	0.24	J	0.25	LOD	2.0	LOQ	ug/l	J	Rl
NICKEL	1.7	J	2.0	LOD	4.0	LOQ	ug/l	U	Mb
VANADIUM	0.65	J	0.50	LOD	1.0	LOQ	ug/l	J	Rl

Sample ID: CH-SWSD047-SW01 **Collected:** 6/3/2017 11:35:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	1.0	J	2.0	LOD	4.0	LOQ	ug/l	U	Mb
COBALT	0.33	J	0.50	LOD	1.0	LOQ	ug/l	J	Rl
COPPER	2.1	J	1.0	LOD	4.0	LOQ	ug/l	J	Rl
LEAD	0.31	J	0.25	LOD	2.0	LOQ	ug/l	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** WATER

Sample ID: CH-SWSD047-SW01 **Collected:** 6/3/2017 11:35:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NICKEL	2.1	J	2.0	LOD	4.0	LOQ	ug/l	U	Mb
ZINC	7.2	J	7.5	LOD	30.0	LOQ	ug/l	J	RI

Sample ID: CH-SWSD048-SW01 **Collected:** 6/3/2017 11:20:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	130	J	50.0	LOD	200	LOQ	ug/l	J	RI
CHROMIUM	1.0	J	2.0	LOD	4.0	LOQ	ug/l	U	Mb
COBALT	0.51	J	0.50	LOD	1.0	LOQ	ug/l	J	RI
COPPER	1.4	J	1.0	LOD	4.0	LOQ	ug/l	J	RI
LEAD	0.23	J	0.25	LOD	2.0	LOQ	ug/l	J	RI
NICKEL	1.7	J	2.0	LOD	4.0	LOQ	ug/l	U	Mb
VANADIUM	0.76	J	0.50	LOD	1.0	LOQ	ug/l	J	RI
ZINC	8.5	J	7.5	LOD	30.0	LOQ	ug/l	J	RI

Sample ID: CH-SWSD049-SW01 **Collected:** 6/3/2017 11:00:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	0.90	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
COBALT	0.61	J	0.50	LOD	1.0	LOQ	ug/l	J	RI
COPPER	1.0	J	1.0	LOD	4.0	LOQ	ug/l	J	RI
LEAD	0.32	J	0.25	LOD	2.0	LOQ	ug/l	J	RI
VANADIUM	0.69	J	0.50	LOD	1.0	LOQ	ug/l	J	RI
ZINC	29.9	J	7.5	LOD	30.0	LOQ	ug/l	J	RI

Sample ID: CH-SWSD050-SW01 **Collected:** 6/3/2017 10:30:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	1.0	J	2.0	LOD	4.0	LOQ	ug/l	U	Mb
COBALT	0.60	J	0.50	LOD	1.0	LOQ	ug/l	J	RI
COPPER	1.5	J	1.0	LOD	4.0	LOQ	ug/l	J	RI
LEAD	0.27	J	0.25	LOD	2.0	LOQ	ug/l	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** WATER

Sample ID: CH-SWSD050-SW01 **Collected:** 6/3/2017 10:30:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NICKEL	2.2	J	2.0	LOD	4.0	LOQ	ug/l	U	Mb
VANADIUM	0.91	J	0.50	LOD	1.0	LOQ	ug/l	J	Rl
ZINC	4.9	J	7.5	LOD	30.0	LOQ	ug/l	J	Rl, Ld

Sample ID: CH-SWSD051-SW01 **Collected:** 6/3/2017 10:15:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	1.1	J	2.0	LOD	4.0	LOQ	ug/l	U	Mb
COPPER	1.2	J	1.0	LOD	4.0	LOQ	ug/l	J	Rl
LEAD	0.30	J	0.25	LOD	2.0	LOQ	ug/l	J	Rl
ZINC	4.4	J	7.5	LOD	30.0	LOQ	ug/l	U	Mb

Sample ID: CH-SWSD051-SW01 **Collected:** 6/3/2017 10:15:00 AM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COBALT	0.52	J	0.50	LOD	1.0	LOQ	ug/l	J	Rl

Sample ID: CH-SWSD052-SW01 **Collected:** 6/3/2017 10:00:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	0.91	J	2.0	LOD	4.0	LOQ	ug/l	U	Mb
COPPER	1.2	J	1.0	LOD	4.0	LOQ	ug/l	J	Rl
LEAD	0.30	J	0.25	LOD	2.0	LOQ	ug/l	J	Rl
ZINC	3.6	J	7.5	LOD	30.0	LOQ	ug/l	U	Mb

Sample ID: CH-SWSD052-SW01 **Collected:** 6/3/2017 10:00:00 AM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COBALT	0.51	J	0.50	LOD	1.0	LOQ	ug/l	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** WATER

Sample ID: CH-SWSD052-SW01-X **Collected:** 6/3/2017 10:00:00 AM **Analysis Type:** Reanalysis-02/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
VANADIUM	0.75	J	0.50	LOD	1.0	LOQ	ug/l	J	Rl

Sample ID: CH-SWSD053-SW01 **Collected:** 6/3/2017 9:45:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	195	J	50.0	LOD	200	LOQ	ug/l	J	Rl
CHROMIUM	0.99	J	2.0	LOD	4.0	LOQ	ug/l	J	Rl
COBALT	0.55	J	0.50	LOD	1.0	LOQ	ug/l	J	Rl
COPPER	1.3	J	1.0	LOD	4.0	LOQ	ug/l	J	Rl
LEAD	0.29	J	0.25	LOD	2.0	LOQ	ug/l	J	Rl
ZINC	23.6	J	7.5	LOD	30.0	LOQ	ug/l	J	Rl

Sample ID: CH-SWSD054-SW01 **Collected:** 6/3/2017 9:25:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	0.79	J	2.0	LOD	4.0	LOQ	ug/l	J	Rl
COBALT	0.55	J	0.50	LOD	1.0	LOQ	ug/l	J	Rl
COPPER	1.1	J	1.0	LOD	4.0	LOQ	ug/l	J	Rl
LEAD	0.28	J	0.25	LOD	2.0	LOQ	ug/l	J	Rl
NICKEL	0.89	J	2.0	LOD	4.0	LOQ	ug/l	J	Rl
ZINC	7.3	J	7.5	LOD	30.0	LOQ	ug/l	J	Rl

Sample ID: CH-SWSD055-SW01 **Collected:** 6/3/2017 9:10:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	0.84	J	2.0	LOD	4.0	LOQ	ug/l	J	Rl
COBALT	0.60	J	0.50	LOD	1.0	LOQ	ug/l	J	Rl
COPPER	1.1	J	1.0	LOD	4.0	LOQ	ug/l	J	Rl
LEAD	0.26	J	0.25	LOD	2.0	LOQ	ug/l	J	Rl
VANADIUM	0.95	J	0.50	LOD	1.0	LOQ	ug/l	J	Rl
ZINC	5.6	J	7.5	LOD	30.0	LOQ	ug/l	J	Rl, Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD055-SW01D** ***Collected:*** **6/3/2017 9:10:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	0.91	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
COBALT	0.51	J	0.50	LOD	1.0	LOQ	ug/l	J	RI
COPPER	0.97	J	1.0	LOD	4.0	LOQ	ug/l	J	RI
LEAD	0.25	J	0.25	LOD	2.0	LOQ	ug/l	J	RI
VANADIUM	0.92	J	0.50	LOD	1.0	LOQ	ug/l	J	RI
ZINC	14.2	J	7.5	LOD	30.0	LOQ	ug/l	J	RI, Fd

Sample ID: **CH-SWSD056-SW01** ***Collected:*** **6/2/2017 4:50:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	0.99	J	2.0	LOD	4.0	LOQ	ug/l	U	Mb
COPPER	2.2	J	1.0	LOD	4.0	LOQ	ug/l	J	RI
ZINC	11.0	J	7.5	LOD	30.0	LOQ	ug/l	U	Mb

Sample ID: **CH-SWSD056-SW01** ***Collected:*** **6/2/2017 4:50:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COBALT	0.60	J	0.50	LOD	1.0	LOQ	ug/l	J	RI

Sample ID: **CH-SWSD056-SW01-X** ***Collected:*** **6/2/2017 4:50:00 PM** ***Analysis Type:*** **Reanalysis-02/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NICKEL	1.1	J	2.0	LOD	4.0	LOQ	ug/l	J	RI

Sample ID: **CH-SWSD057-SW01** ***Collected:*** **6/2/2017 4:35:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	1.1	J	2.0	LOD	4.0	LOQ	ug/l	U	Mb
COPPER	1.9	J	1.0	LOD	4.0	LOQ	ug/l	J	RI
LEAD	1.4	J	0.25	LOD	2.0	LOQ	ug/l	J	RI
ZINC	11.4	J	7.5	LOD	30.0	LOQ	ug/l	U	Mb

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** WATER

Sample ID: CH-SWSD057-SW01 **Collected:** 6/2/2017 4:35:00 PM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COBALT	0.53	J	0.50	LOD	1.0	LOQ	ug/l	J	RI

Sample ID: CH-SWSD057-SW01-X **Collected:** 6/2/2017 4:35:00 PM **Analysis Type:** Reanalysis-02/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NICKEL	1.0	J	2.0	LOD	4.0	LOQ	ug/l	J	RI

Sample ID: CH-SWSD058-SW01 **Collected:** 6/2/2017 4:20:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.97	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
BERYLLIUM	0.50	J	0.25	LOD	1.0	LOQ	ug/l	J	RI
CHROMIUM	1.5	J	2.0	LOD	4.0	LOQ	ug/l	U	Mb
COPPER	2.4	J	1.0	LOD	4.0	LOQ	ug/l	J	RI
LEAD	1.7	J	0.25	LOD	2.0	LOQ	ug/l	J	RI
THALLIUM	0.35	J	0.25	LOD	1.0	LOQ	ug/l	J	RI
ZINC	9.7	J	7.5	LOD	30.0	LOQ	ug/l	U	Mb

Sample ID: CH-SWSD058-SW01 **Collected:** 6/2/2017 4:20:00 PM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COBALT	0.94	J	0.50	LOD	1.0	LOQ	ug/l	J	RI

Sample ID: CH-SWSD058-SW01-X **Collected:** 6/2/2017 4:20:00 PM **Analysis Type:** Reanalysis-02/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NICKEL	1.2	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
VANADIUM	0.98	J	0.50	LOD	1.0	LOQ	ug/l	J	RI

Sample ID: CH-SWSD059-SW01 **Collected:** 6/2/2017 4:00:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	0.97	J	2.0	LOD	4.0	LOQ	ug/l	U	Mb

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD059-SW01** ***Collected:*** **6/2/2017 4:00:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	2.0	J	1.0	LOD	4.0	LOQ	ug/l	J	Rl
LEAD	1.4	J	0.25	LOD	2.0	LOQ	ug/l	J	Rl
ZINC	11.9	J	7.5	LOD	30.0	LOQ	ug/l	U	Mb

Sample ID: **CH-SWSD059-SW01** ***Collected:*** **6/2/2017 4:00:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COBALT	0.56	J	0.50	LOD	1.0	LOQ	ug/l	J	Rl

Sample ID: **CH-SWSD059-SW01-X** ***Collected:*** **6/2/2017 4:00:00 PM** ***Analysis Type:*** **Reanalysis-02/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NICKEL	1.1	J	2.0	LOD	4.0	LOQ	ug/l	J	Rl

Sample ID: **CH-SWSD060-SW01** ***Collected:*** **6/2/2017 3:45:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	997		50.0	LOD	200	LOQ	ug/l	J	Fd
ARSENIC	0.98	J	2.0	LOD	4.0	LOQ	ug/l	J	Rl, Fd
BERYLLIUM	0.16	J	0.25	LOD	1.0	LOQ	ug/l	J	Rl, Fd
CHROMIUM	1.7	J	2.0	LOD	4.0	LOQ	ug/l	U	Mb
COPPER	3.1	J	1.0	LOD	4.0	LOQ	ug/l	J	Rl
IRON	3980		100	LOD	200	LOQ	ug/l	J	Fd
LEAD	7.8		0.25	LOD	2.0	LOQ	ug/l	J	Fd
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/l	UJ	Fd
ZINC	15.2	J	7.5	LOD	30.0	LOQ	ug/l	U	Mb

Sample ID: **CH-SWSD060-SW01** ***Collected:*** **6/2/2017 3:45:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COBALT	1.1		0.50	LOD	1.0	LOQ	ug/l	J	Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix: WATER**

Sample ID: CH-SWSD060-SW01D **Collected:** 6/2/2017 3:45:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	606		50.0	LOD	200	LOQ	ug/l	J	Fd
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/l	UJ	Fd
BERYLLIUM	0.30	J	0.25	LOD	1.0	LOQ	ug/l	J	Rl, Fd
CHROMIUM	1.3	J	2.0	LOD	4.0	LOQ	ug/l	U	Mb
COPPER	2.7	J	1.0	LOD	4.0	LOQ	ug/l	J	Rl
IRON	1670		100	LOD	200	LOQ	ug/l	J	Fd
LEAD	3.4		0.25	LOD	2.0	LOQ	ug/l	J	Fd
THALLIUM	0.19	J	0.25	LOD	1.0	LOQ	ug/l	J	Rl, Fd
ZINC	12.5	J	7.5	LOD	30.0	LOQ	ug/l	U	Mb

Sample ID: CH-SWSD060-SW01D **Collected:** 6/2/2017 3:45:00 PM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COBALT	0.78	J	0.50	LOD	1.0	LOQ	ug/l	J	Rl, Fd

Sample ID: CH-SWSD060-SW01D-X **Collected:** 6/2/2017 3:45:00 PM **Analysis Type:** Reanalysis-02/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NICKEL	1.3	J	2.0	LOD	4.0	LOQ	ug/l	J	Rl

Sample ID: CH-SWSD060-SW01-X **Collected:** 6/2/2017 3:45:00 PM **Analysis Type:** Reanalysis-02/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NICKEL	1.5	J	2.0	LOD	4.0	LOQ	ug/l	J	Rl

Sample ID: CH-SWSD061-SW01 **Collected:** 6/2/2017 3:25:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	1.1	J	2.0	LOD	4.0	LOQ	ug/l	U	Mb
COPPER	2.3	J	1.0	LOD	4.0	LOQ	ug/l	J	Rl
ZINC	11.0	J	7.5	LOD	30.0	LOQ	ug/l	U	Mb

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** WATER

Sample ID: CH-SWSD061-SW01 **Collected:** 6/2/2017 3:25:00 PM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COBALT	0.58	J	0.50	LOD	1.0	LOQ	ug/l	J	RI

Sample ID: CH-SWSD061-SW01-X **Collected:** 6/2/2017 3:25:00 PM **Analysis Type:** Reanalysis-02/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NICKEL	1.2	J	2.0	LOD	4.0	LOQ	ug/l	J	RI

Sample ID: CH-SWSD062-SW01 **Collected:** 6/2/2017 3:15:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	1.0	J	2.0	LOD	4.0	LOQ	ug/l	U	Mb
COPPER	2.1	J	1.0	LOD	4.0	LOQ	ug/l	J	RI
LEAD	1.2	J	0.25	LOD	2.0	LOQ	ug/l	J	RI
ZINC	9.6	J	7.5	LOD	30.0	LOQ	ug/l	U	Mb

Sample ID: CH-SWSD062-SW01 **Collected:** 6/2/2017 3:15:00 PM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COBALT	0.37	J	0.50	LOD	1.0	LOQ	ug/l	J	RI

Sample ID: CH-SWSD062-SW01-X **Collected:** 6/2/2017 3:15:00 PM **Analysis Type:** Reanalysis-02/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NICKEL	1.0	J	2.0	LOD	4.0	LOQ	ug/l	J	RI

Sample ID: CH-SWSD063-SW01 **Collected:** 6/2/2017 2:55:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	20.7		2.0	LOD	4.0	LOQ	ug/l	J	Ms, Ms
BERYLLIUM	0.14	J	0.25	LOD	1.0	LOQ	ug/l	J	RI
CHROMIUM	1.0	J	2.0	LOD	4.0	LOQ	ug/l	U	Mb
COPPER	2.3	J	1.0	LOD	4.0	LOQ	ug/l	J	RI
LEAD	1.2	J	0.25	LOD	2.0	LOQ	ug/l	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD063-SW01** ***Collected:*** **6/2/2017 2:55:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/l	UJ	Ms
ZINC	13.6	J	7.5	LOD	30.0	LOQ	ug/l	U	Mb

Sample ID: **CH-SWSD063-SW01** ***Collected:*** **6/2/2017 2:55:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COBALT	0.45	J	0.50	LOD	1.0	LOQ	ug/l	J	RI

Sample ID: **CH-SWSD063-SW01-X** ***Collected:*** **6/2/2017 2:55:00 PM** ***Analysis Type:*** **Reanalysis-02/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NICKEL	0.88	J	2.0	LOD	4.0	LOQ	ug/l	J	RI

Sample ID: **CH-SWSD064-SW01** ***Collected:*** **6/2/2017 2:45:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	0.99	J	2.0	LOD	4.0	LOQ	ug/l	U	Mb
COPPER	2.1	J	1.0	LOD	4.0	LOQ	ug/l	J	RI
LEAD	1.1	J	0.25	LOD	2.0	LOQ	ug/l	J	RI
ZINC	12.9	J	7.5	LOD	30.0	LOQ	ug/l	U	Mb

Sample ID: **CH-SWSD064-SW01** ***Collected:*** **6/2/2017 2:45:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COBALT	0.44	J	0.50	LOD	1.0	LOQ	ug/l	J	RI

Sample ID: **CH-SWSD064-SW01-X** ***Collected:*** **6/2/2017 2:45:00 PM** ***Analysis Type:*** **Reanalysis-02/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NICKEL	1.2	J	2.0	LOD	4.0	LOQ	ug/l	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD065-SW01** ***Collected:*** **6/2/2017 2:25:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	1.1	J	2.0	LOD	4.0	LOQ	ug/l	U	Mb
COPPER	2.1	J	1.0	LOD	4.0	LOQ	ug/l	J	RI
LEAD	1.2	J	0.25	LOD	2.0	LOQ	ug/l	J	RI
ZINC	22.0	J	7.5	LOD	30.0	LOQ	ug/l	UJ	Mb, Fd

Sample ID: **CH-SWSD065-SW01** ***Collected:*** **6/2/2017 2:25:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COBALT	0.36	J	0.50	LOD	1.0	LOQ	ug/l	J	RI

Sample ID: **CH-SWSD065-SW01D** ***Collected:*** **6/2/2017 2:25:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	0.87	J	2.0	LOD	4.0	LOQ	ug/l	U	Mb
COPPER	2.0	J	1.0	LOD	4.0	LOQ	ug/l	J	RI
LEAD	1.1	J	0.25	LOD	2.0	LOQ	ug/l	J	RI
ZINC	12.1	J	7.5	LOD	30.0	LOQ	ug/l	UJ	Mb, Fd

Sample ID: **CH-SWSD065-SW01D** ***Collected:*** **6/2/2017 2:25:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COBALT	0.41	J	0.50	LOD	1.0	LOQ	ug/l	J	RI

Sample ID: **CH-SWSD065-SW01D-X** ***Collected:*** **6/2/2017 2:25:00 PM** ***Analysis Type:*** **Reanalysis-02/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NICKEL	1.1	J	2.0	LOD	4.0	LOQ	ug/l	J	RI

Sample ID: **CH-SWSD065-SW01-X** ***Collected:*** **6/2/2017 2:25:00 PM** ***Analysis Type:*** **Reanalysis-02/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NICKEL	1.3	J	2.0	LOD	4.0	LOQ	ug/l	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** WATER

Sample ID: CH-SWSD069-SW01 **Collected:** 6/2/2017 10:00:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.24	J	0.25	LOD	1.0	LOQ	ug/l	J	RI
CHROMIUM	2.0	J	2.0	LOD	4.0	LOQ	ug/l	U	Mb

Sample ID: CH-SWSD069-SW01 **Collected:** 6/2/2017 10:00:00 AM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COBALT	0.94	J	0.50	LOD	1.0	LOQ	ug/l	J	RI

Sample ID: CH-SWSD069-SW01-X **Collected:** 6/2/2017 10:00:00 AM **Analysis Type:** Reanalysis-02/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NICKEL	2.4	J	2.0	LOD	4.0	LOQ	ug/l	J	RI

Sample ID: CH-SWSD072-SW01 **Collected:** 6/2/2017 10:20:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.20	J	0.25	LOD	1.0	LOQ	ug/l	J	RI
CHROMIUM	1.1	J	2.0	LOD	4.0	LOQ	ug/l	U	Mb
COPPER	1.1	J	1.0	LOD	4.0	LOQ	ug/l	J	RI
IRON	121	J	100	LOD	200	LOQ	ug/l	J	RI
LEAD	0.47	J	0.25	LOD	2.0	LOQ	ug/l	J	RI

Sample ID: CH-SWSD072-SW01 **Collected:** 6/2/2017 10:20:00 AM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COBALT	0.64	J	0.50	LOD	1.0	LOQ	ug/l	J	RI

Sample ID: CH-SWSD072-SW01-F **Collected:** 6/2/2017 10:20:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.18	J	0.25	LOD	1.0	LOQ	ug/l	J	RI
CHROMIUM	0.96	J	2.0	LOD	4.0	LOQ	ug/l	U	Mb
COPPER	1.6	J	1.0	LOD	4.0	LOQ	ug/l	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** WATER

Sample ID: CH-SWSD072-SW01-F **Collected:** 6/2/2017 10:20:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
IRON	105	J	100	LOD	200	LOQ	ug/l	J	RI
LEAD	0.45	J	0.25	LOD	2.0	LOQ	ug/l	J	RI
ZINC	22.1	J	7.5	LOD	30.0	LOQ	ug/l	U	Mb

Sample ID: CH-SWSD072-SW01-F **Collected:** 6/2/2017 10:20:00 AM **Analysis Type:** Reanalysis-01/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COBALT	0.63	J	0.50	LOD	1.0	LOQ	ug/l	J	RI

Sample ID: CH-SWSD072-SW01-F-X **Collected:** 6/2/2017 10:20:00 AM **Analysis Type:** Reanalysis-02/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NICKEL	1.4	J	2.0	LOD	4.0	LOQ	ug/l	J	RI

Sample ID: CH-SWSD072-SW01-X **Collected:** 6/2/2017 10:20:00 AM **Analysis Type:** Reanalysis-02/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NICKEL	1.6	J	2.0	LOD	4.0	LOQ	ug/l	J	RI

Sample ID: CH-SWSD076-SW01 **Collected:** 6/2/2017 12:10:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.15	J	0.25	LOD	1.0	LOQ	ug/l	J	RI
CHROMIUM	0.95	J	2.0	LOD	4.0	LOQ	ug/l	U	Mb
COPPER	0.59	J	1.0	LOD	4.0	LOQ	ug/l	J	RI
IRON	97.2	J	100	LOD	200	LOQ	ug/l	J	RI
LEAD	0.26	J	0.25	LOD	2.0	LOQ	ug/l	J	RI
ZINC	17.5	J	7.5	LOD	30.0	LOQ	ug/l	U	Mb

Sample ID: CH-SWSD076-SW01 **Collected:** 6/2/2017 12:10:00 PM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COBALT	0.49	J	0.50	LOD	1.0	LOQ	ug/l	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** WATER

Sample ID: CH-SWSD076-SW01-X **Collected:** 6/2/2017 12:10:00 PM **Analysis Type:** Reanalysis-02/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NICKEL	1.1	J	2.0	LOD	4.0	LOQ	ug/l	J	Rl

Sample ID: CH-SWSD077-SW01 **Collected:** 6/2/2017 12:25:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.20	J	0.25	LOD	1.0	LOQ	ug/l	J	Rl
CHROMIUM	1.1	J	2.0	LOD	4.0	LOQ	ug/l	U	Mb
COPPER	0.83	J	1.0	LOD	4.0	LOQ	ug/l	J	Rl
IRON	112	J	100	LOD	200	LOQ	ug/l	J	Rl
LEAD	0.32	J	0.25	LOD	2.0	LOQ	ug/l	J	Rl
ZINC	17.9	J	7.5	LOD	30.0	LOQ	ug/l	U	Mb

Sample ID: CH-SWSD077-SW01 **Collected:** 6/2/2017 12:25:00 PM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COBALT	0.58	J	0.50	LOD	1.0	LOQ	ug/l	J	Rl

Sample ID: CH-SWSD077-SW01-X **Collected:** 6/2/2017 12:25:00 PM **Analysis Type:** Reanalysis-02/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NICKEL	1.0	J	2.0	LOD	4.0	LOQ	ug/l	J	Rl

Sample ID: CH-SWSD078-SW01 **Collected:** 6/2/2017 12:35:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.15	J	0.25	LOD	1.0	LOQ	ug/l	J	Rl
CHROMIUM	1.0	J	2.0	LOD	4.0	LOQ	ug/l	U	Mb
COPPER	0.82	J	1.0	LOD	4.0	LOQ	ug/l	J	Rl
LEAD	0.35	J	0.25	LOD	2.0	LOQ	ug/l	J	Rl
ZINC	24.8	J	7.5	LOD	30.0	LOQ	ug/l	J	Rl

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** WATER

Sample ID: CH-SWSD078-SW01 **Collected:** 6/2/2017 12:35:00 PM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COBALT	0.60	J	0.50	LOD	1.0	LOQ	ug/l	J	RI

Sample ID: CH-SWSD078-SW01-X **Collected:** 6/2/2017 12:35:00 PM **Analysis Type:** Reanalysis-02/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NICKEL	1.3	J	2.0	LOD	4.0	LOQ	ug/l	J	RI

Sample ID: CH-SWSD113-SW01 **Collected:** 6/3/2017 1:00:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.87	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
BERYLLIUM	0.23	J	0.25	LOD	1.0	LOQ	ug/l	J	RI
CADMIUM	0.26	J	0.50	LOD	1.0	LOQ	ug/l	J	RI
CHROMIUM	2.2	J	2.0	LOD	4.0	LOQ	ug/l	U	Mb
LEAD	1.7	J	0.25	LOD	2.0	LOQ	ug/l	J	RI
NICKEL	4.4		2.0	LOD	4.0	LOQ	ug/l	U	Mb
ZINC	26.5	J	7.5	LOD	30.0	LOQ	ug/l	J	RI

Sample ID: CH-SWSD114-SW01 **Collected:** 6/3/2017 12:20:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.24	J	0.25	LOD	1.0	LOQ	ug/l	J	RI
CADMIUM	0.23	J	0.50	LOD	1.0	LOQ	ug/l	J	RI
CHROMIUM	2.2	J	2.0	LOD	4.0	LOQ	ug/l	U	Mb
LEAD	1.7	J	0.25	LOD	2.0	LOQ	ug/l	J	RI
NICKEL	4.2		2.0	LOD	4.0	LOQ	ug/l	U	Mb
ZINC	27.6	J	7.5	LOD	30.0	LOQ	ug/l	J	RI

Sample ID: CH-SWSD114-SW01-F **Collected:** 6/3/2017 12:20:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.24	J	0.25	LOD	1.0	LOQ	ug/l	J	RI
CADMIUM	0.21	J	0.50	LOD	1.0	LOQ	ug/l	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** WATER

Sample ID: CH-SWSD114-SW01-F **Collected:** 6/3/2017 12:20:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	1.9	J	2.0	LOD	4.0	LOQ	ug/l	U	Mb
LEAD	1.3	J	0.25	LOD	2.0	LOQ	ug/l	J	Rl
NICKEL	4.5		2.0	LOD	4.0	LOQ	ug/l	U	Mb
ZINC	25.6	J	7.5	LOD	30.0	LOQ	ug/l	J	Rl

Sample ID: CH-SWSD115-SW01 **Collected:** 6/3/2017 11:55:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.20	J	0.25	LOD	1.0	LOQ	ug/l	J	Rl
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/l	UJ	Fd
CHROMIUM	1.9	J	2.0	LOD	4.0	LOQ	ug/l	J	Rl
LEAD	1.1	J	0.25	LOD	2.0	LOQ	ug/l	J	Rl
NICKEL	3.0	J	2.0	LOD	4.0	LOQ	ug/l	J	Rl
ZINC	59.0		7.5	LOD	30.0	LOQ	ug/l	J	Fd

Sample ID: CH-SWSD115-SW01D **Collected:** 6/3/2017 11:55:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.18	J	0.25	LOD	1.0	LOQ	ug/l	J	Rl
CADMIUM	0.20	J	0.50	LOD	1.0	LOQ	ug/l	J	Rl, Fd
CHROMIUM	1.8	J	2.0	LOD	4.0	LOQ	ug/l	J	Rl
LEAD	1.1	J	0.25	LOD	2.0	LOQ	ug/l	J	Rl
NICKEL	3.1	J	2.0	LOD	4.0	LOQ	ug/l	J	Rl
ZINC	25.9	J	7.5	LOD	30.0	LOQ	ug/l	J	Rl, Fd

Sample ID: CH-SWSD115-SW01D-F **Collected:** 6/3/2017 11:55:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/l	UJ	Fd
BERYLLIUM	0.18	J	0.25	LOD	1.0	LOQ	ug/l	J	Rl
CHROMIUM	1.3	J	2.0	LOD	4.0	LOQ	ug/l	J	Rl, Fd
LEAD	0.90	J	0.25	LOD	2.0	LOQ	ug/l	J	Rl

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** WATER

Sample ID: CH-SWSD115-SW01D-F **Collected:** 6/3/2017 11:55:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NICKEL	2.5	J	2.0	LOD	4.0	LOQ	ug/l	J	Rl
ZINC	20.3	J	7.5	LOD	30.0	LOQ	ug/l	J	Rl

Sample ID: CH-SWSD115-SW01-F **Collected:** 6/3/2017 11:55:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.70	J	2.0	LOD	4.0	LOQ	ug/l	J	Rl, Fd
BERYLLIUM	0.19	J	0.25	LOD	1.0	LOQ	ug/l	J	Rl
CHROMIUM	1.9	J	2.0	LOD	4.0	LOQ	ug/l	J	Rl, Fd
LEAD	1.0	J	0.25	LOD	2.0	LOQ	ug/l	J	Rl
NICKEL	2.8	J	2.0	LOD	4.0	LOQ	ug/l	J	Rl
ZINC	26.9	J	7.5	LOD	30.0	LOQ	ug/l	J	Rl

Sample ID: CH-SWSD116-SW01 **Collected:** 6/3/2017 2:45:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.63	J	0.25	LOD	1.0	LOQ	ug/l	J	Rl
CADMIUM	0.22	J	0.50	LOD	1.0	LOQ	ug/l	J	Rl
SELENIUM	1.2	J	1.0	LOD	4.0	LOQ	ug/l	J	Rl

Sample ID: CH-SWSD116-SW01-F **Collected:** 6/3/2017 2:45:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	157	J	50.0	LOD	200	LOQ	ug/l	J	Rl
ARSENIC	1.9	J	2.0	LOD	4.0	LOQ	ug/l	J	Rl
CHROMIUM	1.1	J	2.0	LOD	4.0	LOQ	ug/l	U	Mb
COPPER	1.2	J	1.0	LOD	4.0	LOQ	ug/l	J	Rl
LEAD	0.26	J	0.25	LOD	2.0	LOQ	ug/l	J	Rl
NICKEL	3.0	J	2.0	LOD	4.0	LOQ	ug/l	U	Mb

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD117-SW01** ***Collected:*** **6/3/2017 2:00:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.3	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
CHROMIUM	1.5	J	2.0	LOD	4.0	LOQ	ug/l	U	Mb
COPPER	1.2	J	1.0	LOD	4.0	LOQ	ug/l	J	RI
LEAD	0.44	J	0.25	LOD	2.0	LOQ	ug/l	J	RI
NICKEL	2.3	J	2.0	LOD	4.0	LOQ	ug/l	U	Mb

Sample ID: **CH-SWSD117-SW01-F** ***Collected:*** **6/3/2017 2:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	183	J	50.0	LOD	200	LOQ	ug/l	J	RI
ARSENIC	0.70	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
CHROMIUM	1.1	J	2.0	LOD	4.0	LOQ	ug/l	U	Mb
COPPER	0.83	J	1.0	LOD	4.0	LOQ	ug/l	J	RI
LEAD	0.13	J	0.25	LOD	2.0	LOQ	ug/l	J	RI
NICKEL	1.9	J	2.0	LOD	4.0	LOQ	ug/l	U	Mb

Sample ID: **CH-SWSD118-SW01** ***Collected:*** **6/3/2017 1:55:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.56	J	0.25	LOD	1.0	LOQ	ug/l	J	RI
CADMIUM	0.29	J	0.50	LOD	1.0	LOQ	ug/l	J	RI
SELENIUM	0.89	J	1.0	LOD	4.0	LOQ	ug/l	J	RI

Sample ID: **CH-SWSD118-SW01-F** ***Collected:*** **6/3/2017 1:55:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	72.8	J	50.0	LOD	200	LOQ	ug/l	J	RI
CHROMIUM	0.65	J	2.0	LOD	4.0	LOQ	ug/l	U	Mb
COPPER	0.56	J	1.0	LOD	4.0	LOQ	ug/l	J	RI
VANADIUM	0.36	J	0.50	LOD	1.0	LOQ	ug/l	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** WATER

Sample ID: CH-SWSD119-SW01 **Collected:** 6/3/2017 11:45:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.94	J	2.0	LOD	4.0	LOQ	ug/l	J	Rl
BERYLLIUM	0.22	J	0.25	LOD	1.0	LOQ	ug/l	J	Rl
CADMIUM	0.21	J	0.50	LOD	1.0	LOQ	ug/l	J	Rl
CHROMIUM	2.0	J	2.0	LOD	4.0	LOQ	ug/l	J	Rl
LEAD	1.2	J	0.25	LOD	2.0	LOQ	ug/l	J	Rl
NICKEL	3.3	J	2.0	LOD	4.0	LOQ	ug/l	J	Rl
ZINC	23.7	J	7.5	LOD	30.0	LOQ	ug/l	J	Rl

Sample ID: CH-SWSD120-SW01 **Collected:** 6/3/2017 10:45:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.77	J	2.0	LOD	4.0	LOQ	ug/l	J	Rl, Fd
BERYLLIUM	0.21	J	0.25	LOD	1.0	LOQ	ug/l	J	Rl
CADMIUM	0.21	J	0.50	LOD	1.0	LOQ	ug/l	J	Rl, Fd
CHROMIUM	1.8	J	2.0	LOD	4.0	LOQ	ug/l	J	Rl
LEAD	1.0	J	0.25	LOD	2.0	LOQ	ug/l	J	Rl
NICKEL	2.9	J	2.0	LOD	4.0	LOQ	ug/l	J	Rl
ZINC	24.2	J	7.5	LOD	30.0	LOQ	ug/l	J	Rl

Sample ID: CH-SWSD120-SW01D **Collected:** 6/3/2017 10:45:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/l	UJ	Fd
BERYLLIUM	0.21	J	0.25	LOD	1.0	LOQ	ug/l	J	Rl
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/l	UJ	Fd
CHROMIUM	1.8	J	2.0	LOD	4.0	LOQ	ug/l	J	Rl
LEAD	1.0	J	0.25	LOD	2.0	LOQ	ug/l	J	Rl
NICKEL	3.0	J	2.0	LOD	4.0	LOQ	ug/l	J	Rl
ZINC	24.6	J	7.5	LOD	30.0	LOQ	ug/l	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** WATER

Sample ID: CH-SWSD121-SW01 **Collected:** 6/3/2017 10:30:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.80	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
BERYLLIUM	0.17	J	0.25	LOD	1.0	LOQ	ug/l	J	RI
CHROMIUM	1.6	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
LEAD	0.81	J	0.25	LOD	2.0	LOQ	ug/l	J	RI
NICKEL	2.4	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
ZINC	19.6	J	7.5	LOD	30.0	LOQ	ug/l	J	RI

Sample ID: CH-SWSD122-SW01 **Collected:** 6/3/2017 10:05:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.11	J	0.25	LOD	1.0	LOQ	ug/l	J	RI
CHROMIUM	1.2	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
COBALT	0.44	J	0.50	LOD	1.0	LOQ	ug/l	J	RI
COPPER	2.6	J	1.0	LOD	4.0	LOQ	ug/l	J	RI
LEAD	0.48	J	0.25	LOD	2.0	LOQ	ug/l	J	RI
NICKEL	1.6	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
ZINC	11.5	J	7.5	LOD	30.0	LOQ	ug/l	J	RI

Sample ID: CH-SWSD123-SW01 **Collected:** 6/3/2017 9:40:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.12	J	0.25	LOD	1.0	LOQ	ug/l	J	RI
CALCIUM	6990		200	LOD	400	LOQ	ug/l	J+	Ms
CHROMIUM	1.3	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
COBALT	0.44	J	0.50	LOD	1.0	LOQ	ug/l	J	RI
COPPER	2.9	J	1.0	LOD	4.0	LOQ	ug/l	J	RI
LEAD	0.54	J	0.25	LOD	2.0	LOQ	ug/l	J	RI
NICKEL	1.7	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
ZINC	11.9	J	7.5	LOD	30.0	LOQ	ug/l	J	RI, Ld

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix: WATER**

Sample ID: CH-SWSD124-SW01 **Collected:** 6/3/2017 9:25:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.11	J	0.25	LOD	1.0	LOQ	ug/l	J	RI
CHROMIUM	1.4	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
COBALT	0.50	J	0.50	LOD	1.0	LOQ	ug/l	J	RI
COPPER	2.6	J	1.0	LOD	4.0	LOQ	ug/l	J	RI
LEAD	0.56	J	0.25	LOD	2.0	LOQ	ug/l	J	RI
NICKEL	1.8	J	2.0	LOD	4.0	LOQ	ug/l	J	RI

Sample ID: CH-SWSD125-SW01 **Collected:** 6/3/2017 9:10:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.12	J	0.25	LOD	1.0	LOQ	ug/l	J	RI
CHROMIUM	1.2	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
COBALT	0.37	J	0.50	LOD	1.0	LOQ	ug/l	J	RI
COPPER	2.4	J	1.0	LOD	4.0	LOQ	ug/l	J	RI
LEAD	0.46	J	0.25	LOD	2.0	LOQ	ug/l	J	RI
NICKEL	1.6	J	2.0	LOD	4.0	LOQ	ug/l	J	RI

Sample ID: EB-060317-01 **Collected:** 6/3/2017 4:00:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MANGANESE	0.97	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
SODIUM	90.2	J	100	LOD	400	LOQ	ug/l	U	Mb

Method Category: METALS

Method: 7470A **Matrix: WATER**

Sample ID: CH-SWSD116-SW01 **Collected:** 6/3/2017 2:45:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.12	J	0.10	LOD	0.20	LOQ	ug/l	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7470A **Matrix: WATER**

Sample ID: CH-SWSD118-SW01 **Collected:** 6/3/2017 1:55:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.10	J	0.10	LOD	0.20	LOQ	ug/l	J	RI

Method Category: METALS

Method: Calculation **Matrix: WATER**

Sample ID: CH-SWSD050-SW01 **Collected:** 6/3/2017 10:30:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	0.82	J	2.0	LOD	4.0	LOQ	ug/l	J	RI

Sample ID: CH-SWSD060-SW01 **Collected:** 6/2/2017 3:45:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	1.5	J	2.0	LOD	4.0	LOQ	ug/l	UJ	Fd, ProfJudg

Sample ID: CH-SWSD060-SW01D **Collected:** 6/2/2017 3:45:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	1.1	J	2.0	LOD	4.0	LOQ	ug/l	UJ	Fd, ProfJudg

Sample ID: CH-SWSD120-SW01 **Collected:** 6/3/2017 10:45:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	1.6	J	2.0	LOD	4.0	LOQ	ug/l	J	RI

Sample ID: CH-SWSD120-SW01D **Collected:** 6/3/2017 10:45:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	1.8	J	2.0	LOD	4.0	LOQ	ug/l	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD046-SW01 **Collected:** 6/3/2017 11:50:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

Sample ID: CH-SWSD047-SW01 **Collected:** 6/3/2017 11:35:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD047-SW01 **Collected:** 6/3/2017 11:35:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

Sample ID: CH-SWSD048-SW01 **Collected:** 6/3/2017 11:20:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD049-SW01 **Collected:** 6/3/2017 11:00:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.52	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg

Sample ID: CH-SWSD050-SW01 **Collected:** 6/3/2017 10:30:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD050-SW01 **Collected:** 6/3/2017 10:30:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.42	U	0.42	LOD	0.53	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg

Sample ID: CH-SWSD051-SW01 **Collected:** 6/3/2017 10:15:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD052-SW01 **Collected:** 6/3/2017 10:00:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.11	J	0.43	LOD	0.53	LOQ	ug/l	NP	RI, ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg

Sample ID: CH-SWSD053-SW01 **Collected:** 6/3/2017 9:45:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD053-SW01 **Collected:** 6/3/2017 9:45:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

Sample ID: CH-SWSD054-SW01 **Collected:** 6/3/2017 9:25:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.52	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD055-SW01** ***Collected:*** **6/3/2017 9:10:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.43	U	0.43	LOD	0.54	LOQ	ug/l	NP	Fd, ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg

Sample ID: **CH-SWSD055-SW01D** ***Collected:*** **6/3/2017 9:10:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD055-SW01D **Collected:** 6/3/2017 9:10:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.11	J	0.41	LOD	0.51	LOQ	ug/l	NP	RI, Fd, ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg

Sample ID: CH-SWSD056-SW01 **Collected:** 6/2/2017 4:50:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD057-SW01** ***Collected:*** **6/2/2017 4:35:00 PM** ***Analysis Type:*** **Initial/TOT-ACID** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.0	U	1.0	LOD	1.0	LOQ	ug/l	UJ	Surr
4-CHLORO-3-METHYLPHENOL	1.0	U	1.0	LOD	1.0	LOQ	ug/l	UJ	Surr
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/l	UJ	Surr

Sample ID: **CH-SWSD057-SW01** ***Collected:*** **6/2/2017 4:35:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg

Sample ID: **CH-SWSD057-SW01-X** ***Collected:*** **6/2/2017 4:35:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	4.1	U	4.1	LOD	4.1	LOQ	ug/l	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD057-SW01-X** ***Collected:*** **6/2/2017 4:35:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT-ACID** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
3/4-Methylphenol [m/p-Cresol]	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/l	NP	StoE, ProfJudg

Sample ID: **CH-SWSD057-SW01-X** ***Collected:*** **6/2/2017 4:35:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1,4-DICHLOROBENZENE	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
BENZALDEHYDE	4.1	U	4.1	LOD	5.1	LOQ	ug/l	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	4.1	U	4.1	LOD	5.1	LOQ	ug/l	NP	StoE, ProfJudg
Butyl benzyl phthalate	4.1	U	4.1	LOD	5.1	LOQ	ug/l	NP	StoE, ProfJudg
CAPROLACTAM	15	U	15	LOD	15	LOQ	ug/l	NP	StoE, ProfJudg
CARBAZOLE	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
DIBENZOFURAN	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
DIETHYL PHTHALATE	4.1	U	4.1	LOD	5.1	LOQ	ug/l	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	4.1	U	4.1	LOD	5.1	LOQ	ug/l	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	4.1	U	4.1	LOD	5.1	LOQ	ug/l	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	4.1	U	4.1	LOD	5.1	LOQ	ug/l	NP	StoE, ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD057-SW01-X **Collected:** 6/2/2017 4:35:00 PM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORENE	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
PYRENE	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg

Sample ID: CH-SWSD058-SW01 **Collected:** 6/2/2017 4:20:00 PM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	9.3	J	15	LOD	15	LOQ	ug/l	U	Mb

Sample ID: CH-SWSD058-SW01 **Collected:** 6/2/2017 4:20:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD058-SW01-X **Collected:** 6/2/2017 4:20:00 PM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	4.0	U	4.0	LOD	4.0	LOQ	ug/l	NP	StoE, ProfJudg

Sample ID: CH-SWSD058-SW01-X **Collected:** 6/2/2017 4:20:00 PM **Analysis Type:** Reanalysis-01/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/l	NP	StoE, ProfJudg

Sample ID: CH-SWSD058-SW01-X **Collected:** 6/2/2017 4:20:00 PM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
BENZALDEHYDE	4.0	U	4.0	LOD	5.1	LOQ	ug/l	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	4.0	U	4.0	LOD	5.1	LOQ	ug/l	NP	StoE, ProfJudg
Butyl benzyl phthalate	4.0	U	4.0	LOD	5.1	LOQ	ug/l	NP	StoE, ProfJudg
CAPROLACTAM	15	U	15	LOD	15	LOQ	ug/l	NP	StoE, ProfJudg
CARBAZOLE	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD058-SW01-X **Collected:** 6/2/2017 4:20:00 PM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
DIBENZOFURAN	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
DIETHYL PHTHALATE	4.0	U	4.0	LOD	5.1	LOQ	ug/l	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	4.0	U	4.0	LOD	5.1	LOQ	ug/l	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	4.0	U	4.0	LOD	5.1	LOQ	ug/l	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	4.0	U	4.0	LOD	5.1	LOQ	ug/l	NP	StoE, ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg

Sample ID: CH-SWSD059-SW01 **Collected:** 6/2/2017 4:00:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD059-SW01 **Collected:** 6/2/2017 4:00:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

Sample ID: CH-SWSD060-SW01 **Collected:** 6/2/2017 3:45:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

Sample ID: CH-SWSD060-SW01D **Collected:** 6/2/2017 3:45:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD060-SW01D** ***Collected:*** **6/2/2017 3:45:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg

Sample ID: **CH-SWSD061-SW01** ***Collected:*** **6/2/2017 3:25:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD061-SW01 **Collected:** 6/2/2017 3:25:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg

Sample ID: CH-SWSD062-SW01 **Collected:** 6/2/2017 3:15:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg

Sample ID: CH-SWSD063-SW01 **Collected:** 6/2/2017 2:55:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD063-SW01** ***Collected:*** **6/2/2017 2:55:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
DIMETHYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/l	UJ	Ms
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

Sample ID: **CH-SWSD064-SW01** ***Collected:*** **6/2/2017 2:45:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD064-SW01** ***Collected:*** **6/2/2017 2:45:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

Sample ID: **CH-SWSD065-SW01** ***Collected:*** **6/2/2017 2:25:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD065-SW01D** ***Collected:*** **6/2/2017 2:25:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg

Sample ID: **CH-SWSD069-SW01** ***Collected:*** **6/2/2017 10:00:00 AM** ***Analysis Type:*** **Initial/TOT-ACID** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	10	J	16	LOD	16	LOQ	ug/l	U	Mb

Sample ID: **CH-SWSD069-SW01** ***Collected:*** **6/2/2017 10:00:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.22	U	0.22	LOD	0.54	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.22	U	0.22	LOD	0.54	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.22	U	0.22	LOD	0.54	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.22	U	0.22	LOD	0.54	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.22	U	0.22	LOD	0.54	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD069-SW01 **Collected:** 6/2/2017 10:00:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.22	U	0.22	LOD	0.54	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.22	U	0.22	LOD	0.54	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.22	U	0.22	LOD	0.54	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.22	U	0.22	LOD	0.54	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.22	U	0.22	LOD	0.54	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.22	U	0.22	LOD	0.54	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.22	U	0.22	LOD	0.54	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.12	J	0.22	LOD	0.54	LOQ	ug/l	NP	RI, ProfJudg
FLUORENE	0.22	U	0.22	LOD	0.54	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.22	U	0.22	LOD	0.54	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.43	U	0.43	LOD	0.54	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.22	U	0.22	LOD	0.54	LOQ	ug/l	NP	ProfJudg
PYRENE	0.14	J	0.22	LOD	0.54	LOQ	ug/l	NP	RI, ProfJudg

Sample ID: CH-SWSD069-SW01-X **Collected:** 6/2/2017 10:00:00 AM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	4.1	U	4.1	LOD	4.1	LOQ	ug/l	NP	StoE, ProfJudg

Sample ID: CH-SWSD069-SW01-X **Collected:** 6/2/2017 10:00:00 AM **Analysis Type:** Reanalysis-01/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/l	NP	StoE, ProfJudg

Sample ID: CH-SWSD069-SW01-X **Collected:** 6/2/2017 10:00:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD069-SW01-X** ***Collected:*** **6/2/2017 10:00:00 AM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	StoE, ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	StoE, ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	StoE, ProfJudg
BENZALDEHYDE	4.1	U	4.1	LOD	5.2	LOQ	ug/l	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	4.1	U	4.1	LOD	5.2	LOQ	ug/l	NP	StoE, ProfJudg
Butyl benzyl phthalate	4.1	U	4.1	LOD	5.2	LOQ	ug/l	NP	StoE, ProfJudg
CAPROLACTAM	15	U	15	LOD	15	LOQ	ug/l	NP	StoE, ProfJudg
CARBAZOLE	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	StoE, ProfJudg
DIBENZOFURAN	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
DIETHYL PHTHALATE	4.1	U	4.1	LOD	5.2	LOQ	ug/l	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	4.1	U	4.1	LOD	5.2	LOQ	ug/l	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	4.1	U	4.1	LOD	5.2	LOQ	ug/l	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	4.1	U	4.1	LOD	5.2	LOQ	ug/l	NP	StoE, ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	StoE, ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	StoE, ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.52	LOQ	ug/l	NP	StoE, ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	StoE, ProfJudg
PYRENE	0.12	J	0.21	LOD	0.52	LOQ	ug/l	NP	RI, StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD072-SW01** ***Collected:*** **6/2/2017 10:20:00 AM** ***Analysis Type:*** **Initial/TOT-ACID** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.1	U	1.1	LOD	1.1	LOQ	ug/l	UJ	Surr
4-CHLORO-3-METHYLPHENOL	1.1	U	1.1	LOD	1.1	LOQ	ug/l	UJ	Surr
BENZOIC ACID	10	J	17	LOD	17	LOQ	ug/l	UJ	Mb, Surr

Sample ID: **CH-SWSD072-SW01** ***Collected:*** **6/2/2017 10:20:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	1.1	U	1.1	LOD	1.1	LOQ	ug/l	UJ	Surr
1-METHYLNAPHTHALENE	0.22	U	0.22	LOD	0.55	LOQ	ug/l	NP	Surr, ProfJudg
2-CHLORONAPHTHALENE	1.1	U	1.1	LOD	1.1	LOQ	ug/l	UJ	Surr
2-METHYLNAPHTHALENE	0.22	U	0.22	LOD	0.55	LOQ	ug/l	NP	Surr, ProfJudg
ACENAPHTHENE	0.22	U	0.22	LOD	0.55	LOQ	ug/l	NP	Surr, ProfJudg
ACENAPHTHYLENE	0.22	U	0.22	LOD	0.55	LOQ	ug/l	NP	Surr, ProfJudg
ANTHRACENE	0.22	U	0.22	LOD	0.55	LOQ	ug/l	NP	Surr, ProfJudg
BENZ(A)ANTHRACENE	0.22	U	0.22	LOD	0.55	LOQ	ug/l	NP	Surr, ProfJudg
BENZALDEHYDE	4.4	U	4.4	LOD	5.5	LOQ	ug/l	UJ	Surr
Benzo (g,h,i) perylene	0.22	U	0.22	LOD	0.55	LOQ	ug/l	NP	Surr, ProfJudg
BENZO(A)PYRENE	0.22	U	0.22	LOD	0.55	LOQ	ug/l	NP	Surr, ProfJudg
BENZO(B)FLUORANTHENE	0.22	U	0.22	LOD	0.55	LOQ	ug/l	NP	Surr, ProfJudg
BENZO(K)FLUORANTHENE	0.22	U	0.22	LOD	0.55	LOQ	ug/l	NP	Surr, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	4.4	U	4.4	LOD	5.5	LOQ	ug/l	UJ	Surr
Butyl benzyl phthalate	4.4	U	4.4	LOD	5.5	LOQ	ug/l	UJ	Surr
CAPROLACTAM	17	U	17	LOD	17	LOQ	ug/l	UJ	Surr
CARBAZOLE	1.1	U	1.1	LOD	1.1	LOQ	ug/l	UJ	Surr
CHRYSENE	0.22	U	0.22	LOD	0.55	LOQ	ug/l	NP	Surr, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.22	U	0.22	LOD	0.55	LOQ	ug/l	NP	Surr, ProfJudg
DIBENZOFURAN	1.1	U	1.1	LOD	1.1	LOQ	ug/l	UJ	Surr
DIETHYL PHTHALATE	4.4	U	4.4	LOD	5.5	LOQ	ug/l	UJ	Surr
DIMETHYL PHTHALATE	4.4	U	4.4	LOD	5.5	LOQ	ug/l	UJ	Surr
DI-N-BUTYL PHTHALATE	4.4	U	4.4	LOD	5.5	LOQ	ug/l	UJ	Surr
DI-N-OCTYL PHTHALATE	4.4	U	4.4	LOD	5.5	LOQ	ug/l	UJ	Surr
FLUORANTHENE	0.22	U	0.22	LOD	0.55	LOQ	ug/l	NP	Surr, ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD072-SW01 **Collected:** 6/2/2017 10:20:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORENE	0.22	U	0.22	LOD	0.55	LOQ	ug/l	NP	Surr, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.22	U	0.22	LOD	0.55	LOQ	ug/l	NP	Surr, ProfJudg
NAPHTHALENE	0.44	U	0.44	LOD	0.55	LOQ	ug/l	NP	Surr, ProfJudg
PHENANTHRENE	0.22	U	0.22	LOD	0.55	LOQ	ug/l	NP	Surr, ProfJudg
PYRENE	0.22	U	0.22	LOD	0.55	LOQ	ug/l	NP	Surr, ProfJudg

Sample ID: CH-SWSD072-SW01-F **Collected:** 6/2/2017 10:20:00 AM **Analysis Type:** Initial/DIS-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	10	J	16	LOD	16	LOQ	ug/l	U	Mb

Sample ID: CH-SWSD072-SW01-F **Collected:** 6/2/2017 10:20:00 AM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
DI-N-BUTYL PHTHALATE	2.9	J	4.3	LOD	5.4	LOQ	ug/l	J	RI
FLUORANTHENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.43	U	0.43	LOD	0.54	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD072-SW01-F **Collected:** 6/2/2017 10:20:00 AM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
PYRENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg

Sample ID: CH-SWSD072-SW01-F-X **Collected:** 6/2/2017 10:20:00 AM **Analysis Type:** Reanalysis-01/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	1.1	U	1.1	LOD	1.1	LOQ	ug/l	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	1.1	U	1.1	LOD	1.1	LOQ	ug/l	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	4.2	U	4.2	LOD	4.2	LOQ	ug/l	NP	StoE, ProfJudg

Sample ID: CH-SWSD072-SW01-F-X **Collected:** 6/2/2017 10:20:00 AM **Analysis Type:** Reanalysis-01/DIS-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.1	U	1.1	LOD	1.1	LOQ	ug/l	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	1.1	U	1.1	LOD	1.1	LOQ	ug/l	NP	StoE, ProfJudg
BENZOIC ACID	16	U	16	LOD	16	LOQ	ug/l	NP	StoE, ProfJudg

Sample ID: CH-SWSD072-SW01-F-X **Collected:** 6/2/2017 10:20:00 AM **Analysis Type:** Reanalysis-01/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	1.1	U	1.1	LOD	1.1	LOQ	ug/l	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	1.1	U	1.1	LOD	1.1	LOQ	ug/l	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	StoE, ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	StoE, ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	StoE, ProfJudg
BENZALDEHYDE	4.2	U	4.2	LOD	5.3	LOQ	ug/l	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD072-SW01-F-X **Collected:** 6/2/2017 10:20:00 AM **Analysis Type:** Reanalysis-01/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BIS(2-ETHYLHEXYL) PHTHALATE	4.2	U	4.2	LOD	5.3	LOQ	ug/l	NP	StoE, ProfJudg
Butyl benzyl phthalate	4.2	U	4.2	LOD	5.3	LOQ	ug/l	NP	StoE, ProfJudg
CAPROLACTAM	16	U	16	LOD	16	LOQ	ug/l	NP	StoE, ProfJudg
CARBAZOLE	1.1	U	1.1	LOD	1.1	LOQ	ug/l	NP	StoE, ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	StoE, ProfJudg
DIBENZOFURAN	1.1	U	1.1	LOD	1.1	LOQ	ug/l	NP	StoE, ProfJudg
DIETHYL PHTHALATE	4.2	U	4.2	LOD	5.3	LOQ	ug/l	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	4.2	U	4.2	LOD	5.3	LOQ	ug/l	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	4.7	J	4.2	LOD	5.3	LOQ	ug/l	NP	RI, StoE, ProfJudg
DI-N-OCTYL PHTHALATE	4.2	U	4.2	LOD	5.3	LOQ	ug/l	NP	StoE, ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	StoE, ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	StoE, ProfJudg
NAPHTHALENE	0.42	U	0.42	LOD	0.53	LOQ	ug/l	NP	StoE, ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	StoE, ProfJudg
PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	StoE, ProfJudg

Sample ID: CH-SWSD072-SW01-X **Collected:** 6/2/2017 10:20:00 AM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	4.1	U	4.1	LOD	4.1	LOQ	ug/l	NP	StoE, ProfJudg

Sample ID: CH-SWSD072-SW01-X **Collected:** 6/2/2017 10:20:00 AM **Analysis Type:** Reanalysis-01/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/l	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD072-SW01-X** ***Collected:*** **6/2/2017 10:20:00 AM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1,4-DICHLOROBENZENE	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
BENZALDEHYDE	4.1	U	4.1	LOD	5.1	LOQ	ug/l	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	4.1	U	4.1	LOD	5.1	LOQ	ug/l	NP	StoE, ProfJudg
Butyl benzyl phthalate	4.1	U	4.1	LOD	5.1	LOQ	ug/l	NP	StoE, ProfJudg
CAPROLACTAM	15	U	15	LOD	15	LOQ	ug/l	NP	StoE, ProfJudg
CARBAZOLE	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
DIBENZOFURAN	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
DIETHYL PHTHALATE	4.1	U	4.1	LOD	5.1	LOQ	ug/l	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	4.1	U	4.1	LOD	5.1	LOQ	ug/l	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	4.1	U	4.1	LOD	5.1	LOQ	ug/l	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	4.1	U	4.1	LOD	5.1	LOQ	ug/l	NP	StoE, ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
PYRENE	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD076-SW01 **Collected:** 6/2/2017 12:10:00 PM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	9.7	J	16	LOD	16	LOQ	ug/l	U	Mb

Sample ID: CH-SWSD076-SW01 **Collected:** 6/2/2017 12:10:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.43	U	0.43	LOD	0.53	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg

Sample ID: CH-SWSD076-SW01-X **Collected:** 6/2/2017 12:10:00 PM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	4.0	U	4.0	LOD	4.0	LOQ	ug/l	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD076-SW01-X **Collected:** 6/2/2017 12:10:00 PM **Analysis Type:** Reanalysis-01/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/l	NP	StoE, ProfJudg

Sample ID: CH-SWSD076-SW01-X **Collected:** 6/2/2017 12:10:00 PM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg
BENZALDEHYDE	4.0	U	4.0	LOD	5.0	LOQ	ug/l	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/l	NP	StoE, ProfJudg
Butyl benzyl phthalate	4.0	U	4.0	LOD	5.0	LOQ	ug/l	NP	StoE, ProfJudg
CAPROLACTAM	15	U	15	LOD	15	LOQ	ug/l	NP	StoE, ProfJudg
CARBAZOLE	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg
DIBENZOFURAN	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
DIETHYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/l	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/l	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/l	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/l	NP	StoE, ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD076-SW01-X **Collected:** 6/2/2017 12:10:00 PM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg

Sample ID: CH-SWSD077-SW01 **Collected:** 6/2/2017 12:25:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.43	U	0.43	LOD	0.54	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg

Sample ID: CH-SWSD078-SW01 **Collected:** 6/2/2017 12:35:00 PM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	9.6	J	15	LOD	15	LOQ	ug/l	U	Mb

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD078-SW01 **Collected:** 6/2/2017 12:35:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

Sample ID: CH-SWSD078-SW01-X **Collected:** 6/2/2017 12:35:00 PM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	4.1	U	4.1	LOD	4.1	LOQ	ug/l	NP	StoE, ProfJudg

Sample ID: CH-SWSD078-SW01-X **Collected:** 6/2/2017 12:35:00 PM **Analysis Type:** Reanalysis-01/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
BENZOIC ACID	16	U	16	LOD	16	LOQ	ug/l	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD078-SW01-X** ***Collected:*** **6/2/2017 12:35:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1,4-DICHLOROBENZENE	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	StoE, ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	StoE, ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	StoE, ProfJudg
BENZALDEHYDE	4.1	U	4.1	LOD	5.2	LOQ	ug/l	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	4.1	U	4.1	LOD	5.2	LOQ	ug/l	NP	StoE, ProfJudg
Butyl benzyl phthalate	4.1	U	4.1	LOD	5.2	LOQ	ug/l	NP	StoE, ProfJudg
CAPROLACTAM	16	U	16	LOD	16	LOQ	ug/l	NP	StoE, ProfJudg
CARBAZOLE	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	StoE, ProfJudg
DIBENZOFURAN	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
DIETHYL PHTHALATE	4.1	U	4.1	LOD	5.2	LOQ	ug/l	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	4.1	U	4.1	LOD	5.2	LOQ	ug/l	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	4.1	U	4.1	LOD	5.2	LOQ	ug/l	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	4.1	U	4.1	LOD	5.2	LOQ	ug/l	NP	StoE, ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	StoE, ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	StoE, ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.52	LOQ	ug/l	NP	StoE, ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	StoE, ProfJudg
PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD113-SW01** ***Collected:*** **6/3/2017 1:00:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

Sample ID: **CH-SWSD114-SW01** ***Collected:*** **6/3/2017 12:20:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD114-SW01 **Collected:** 6/3/2017 12:20:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

Sample ID: CH-SWSD114-SW01-F **Collected:** 6/3/2017 12:20:00 PM **Analysis Type:** Initial/DIS-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD115-SW01 **Collected:** 6/3/2017 11:55:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

Sample ID: CH-SWSD115-SW01D **Collected:** 6/3/2017 11:55:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD115-SW01D **Collected:** 6/3/2017 11:55:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

Sample ID: CH-SWSD115-SW01D-F **Collected:** 6/3/2017 11:55:00 AM **Analysis Type:** Initial/DIS-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
DIETHYL PHTHALATE	4.1	U	4.1	LOD	5.1	LOQ	ug/l	UJ	Fd
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD115-SW01-F **Collected:** 6/3/2017 11:55:00 AM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
DIETHYL PHTHALATE	3.1	J	4.0	LOD	5.0	LOQ	ug/l	J	RI, Fd
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

Sample ID: CH-SWSD116-SW01 **Collected:** 6/3/2017 2:45:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD116-SW01 **Collected:** 6/3/2017 2:45:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg

Sample ID: CH-SWSD116-SW01-F **Collected:** 6/3/2017 2:45:00 PM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD117-SW01** ***Collected:*** **6/3/2017 2:00:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

Sample ID: **CH-SWSD117-SW01-F** ***Collected:*** **6/3/2017 2:00:00 PM** ***Analysis Type:*** **Initial/DIS-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD117-SW01-F **Collected:** 6/3/2017 2:00:00 PM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

Sample ID: CH-SWSD118-SW01 **Collected:** 6/3/2017 1:55:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD118-SW01-F** ***Collected:*** **6/3/2017 1:55:00 PM** ***Analysis Type:*** **Initial/DIS-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg

Sample ID: **CH-SWSD119-SW01** ***Collected:*** **6/3/2017 11:45:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD119-SW01 **Collected:** 6/3/2017 11:45:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

Sample ID: CH-SWSD119-SW01-X **Collected:** 6/3/2017 11:45:00 AM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	4.1	U	4.1	LOD	4.1	LOQ	ug/l	NP	StoE, ProfJudg

Sample ID: CH-SWSD119-SW01-X **Collected:** 6/3/2017 11:45:00 AM **Analysis Type:** Reanalysis-01/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/l	NP	StoE, ProfJudg

Sample ID: CH-SWSD119-SW01-X **Collected:** 6/3/2017 11:45:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD119-SW01-X **Collected:** 6/3/2017 11:45:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
BENZALDEHYDE	4.1	U	4.1	LOD	5.1	LOQ	ug/l	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	4.1	U	4.1	LOD	5.1	LOQ	ug/l	NP	StoE, ProfJudg
Butyl benzyl phthalate	4.1	U	4.1	LOD	5.1	LOQ	ug/l	NP	StoE, ProfJudg
CAPROLACTAM	15	U	15	LOD	15	LOQ	ug/l	NP	StoE, ProfJudg
CARBAZOLE	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
DIBENZOFURAN	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
DIETHYL PHTHALATE	4.1	U	4.1	LOD	5.1	LOQ	ug/l	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	4.1	U	4.1	LOD	5.1	LOQ	ug/l	NP	Lcs, StoE, ProfJudg
DI-N-BUTYL PHTHALATE	4.1	U	4.1	LOD	5.1	LOQ	ug/l	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	4.1	U	4.1	LOD	5.1	LOQ	ug/l	NP	StoE, ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg

Sample ID: CH-SWSD120-SW01 **Collected:** 6/3/2017 10:45:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	1.0	U	1.0	LOD	1.0	LOQ	ug/l	UJ	Surr
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	Surr, ProfJudg
2-CHLORONAPHTHALENE	1.0	U	1.0	LOD	1.0	LOQ	ug/l	UJ	Surr
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	Surr, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD120-SW01 **Collected:** 6/3/2017 10:45:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	Surr, ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	Surr, ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	Surr, ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	Surr, ProfJudg
BENZALDEHYDE	4.0	U	4.0	LOD	5.1	LOQ	ug/l	UJ	Surr
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	Surr, ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	Surr, ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	Surr, ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	Surr, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	4.0	U	4.0	LOD	5.1	LOQ	ug/l	UJ	Surr
Butyl benzyl phthalate	4.0	U	4.0	LOD	5.1	LOQ	ug/l	UJ	Surr
CAPROLACTAM	15	U	15	LOD	15	LOQ	ug/l	UJ	Surr
CARBAZOLE	1.0	U	1.0	LOD	1.0	LOQ	ug/l	UJ	Surr
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	Surr, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	Surr, ProfJudg
DIBENZOFURAN	1.0	U	1.0	LOD	1.0	LOQ	ug/l	UJ	Surr
DIETHYL PHTHALATE	4.0	U	4.0	LOD	5.1	LOQ	ug/l	UJ	Surr
DIMETHYL PHTHALATE	4.0	U	4.0	LOD	5.1	LOQ	ug/l	UJ	Surr
DI-N-BUTYL PHTHALATE	4.0	U	4.0	LOD	5.1	LOQ	ug/l	UJ	Surr
DI-N-OCTYL PHTHALATE	4.0	U	4.0	LOD	5.1	LOQ	ug/l	UJ	Surr
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	Surr, ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	Surr, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	Surr, ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/l	NP	Surr, ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	Surr, ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	Surr, ProfJudg

Sample ID: CH-SWSD120-SW01D **Collected:** 6/3/2017 10:45:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD120-SW01D **Collected:** 6/3/2017 10:45:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

Sample ID: CH-SWSD120-SW01D-X **Collected:** 6/3/2017 10:45:00 AM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	4.0	U	4.0	LOD	4.0	LOQ	ug/l	NP	StoE, ProfJudg

Sample ID: CH-SWSD120-SW01D-X **Collected:** 6/3/2017 10:45:00 AM **Analysis Type:** Reanalysis-01/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/l	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD120-SW01D-X** ***Collected:*** **6/3/2017 10:45:00 AM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1,4-DICHLOROBENZENE	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
BENZALDEHYDE	4.0	U	4.0	LOD	5.1	LOQ	ug/l	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	4.0	U	4.0	LOD	5.1	LOQ	ug/l	NP	StoE, ProfJudg
Butyl benzyl phthalate	4.0	U	4.0	LOD	5.1	LOQ	ug/l	NP	StoE, ProfJudg
CAPROLACTAM	15	U	15	LOD	15	LOQ	ug/l	NP	StoE, ProfJudg
CARBAZOLE	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
DIBENZOFURAN	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
DIETHYL PHTHALATE	4.0	U	4.0	LOD	5.1	LOQ	ug/l	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	4.0	U	4.0	LOD	5.1	LOQ	ug/l	NP	Lcs, StoE, ProfJudg
DI-N-BUTYL PHTHALATE	4.0	U	4.0	LOD	5.1	LOQ	ug/l	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	4.0	U	4.0	LOD	5.1	LOQ	ug/l	NP	StoE, ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	StoE, ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD120-SW01-X **Collected:** 6/3/2017 10:45:00 AM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	4.0	U	4.0	LOD	4.0	LOQ	ug/l	NP	StoE, ProfJudg

Sample ID: CH-SWSD120-SW01-X **Collected:** 6/3/2017 10:45:00 AM **Analysis Type:** Reanalysis-01/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/l	NP	StoE, ProfJudg

Sample ID: CH-SWSD120-SW01-X **Collected:** 6/3/2017 10:45:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg
BENZALDEHYDE	4.0	U	4.0	LOD	5.0	LOQ	ug/l	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/l	NP	StoE, ProfJudg
Butyl benzyl phthalate	4.0	U	4.0	LOD	5.0	LOQ	ug/l	NP	StoE, ProfJudg
CAPROLACTAM	15	U	15	LOD	15	LOQ	ug/l	NP	StoE, ProfJudg
CARBAZOLE	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD120-SW01-X **Collected:** 6/3/2017 10:45:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg
DIBENZOFURAN	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
DIETHYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/l	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/l	NP	Lcs, StoE, ProfJudg
DI-N-BUTYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/l	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/l	NP	StoE, ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg

Sample ID: CH-SWSD121-SW01 **Collected:** 6/3/2017 10:30:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD121-SW01 **Collected:** 6/3/2017 10:30:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

Sample ID: CH-SWSD122-SW01 **Collected:** 6/3/2017 10:05:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

Sample ID: CH-SWSD123-SW01 **Collected:** 6/3/2017 9:40:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD123-SW01** ***Collected:*** **6/3/2017 9:40:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

Sample ID: **CH-SWSD124-SW01** ***Collected:*** **6/3/2017 9:25:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD124-SW01 **Collected:** 6/3/2017 9:25:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

Sample ID: CH-SWSD125-SW01 **Collected:** 6/3/2017 9:10:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

Sample ID: EB-060317-01 **Collected:** 6/3/2017 4:00:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: EB-060317-01 **Collected:** 6/3/2017 4:00:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.51	LOQ	ug/l	NP	ProfJudg

Sample ID: EB-060317-02 **Collected:** 6/3/2017 4:05:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix: WATER**

Sample ID: EB-060317-02 **Collected:** 6/3/2017 4:05:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORANTHENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.43	U	0.43	LOD	0.54	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg

Method Category: SVOA

Method: 8270D SIM **Matrix: WATER**

Sample ID: CH-SWSD047-SW01 **Collected:** 6/3/2017 11:35:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(B)FLUORANTHENE	0.021	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
BENZO(G,H,I)PERYLENE	0.014	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
BENZO(K)FLUORANTHENE	0.017	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
CHRYSENE	0.016	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
DIBENZO(A,H)ANTHRACENE	0.013	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
FLUORANTHENE	0.029	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
INDENO(1,2,3-CD)PYRENE	0.015	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
PYRENE	0.017	J	0.040	LOD	0.050	LOQ	ug/l	J	RI

Sample ID: CH-SWSD049-SW01 **Collected:** 6/3/2017 11:00:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.014	J	0.041	LOD	0.052	LOQ	ug/l	J	RI
2-METHYLNAPHTHALENE	0.016	J	0.041	LOD	0.052	LOQ	ug/l	J	RI
ACENAPHTHENE	0.038	J	0.041	LOD	0.052	LOQ	ug/l	J	RI
FLUORENE	0.020	J	0.041	LOD	0.052	LOQ	ug/l	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-SWSD050-SW01 **Collected:** 6/3/2017 10:30:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.021	J	0.042	LOD	0.053	LOQ	ug/l	J	RI
2-METHYLNAPHTHALENE	0.025	J	0.042	LOD	0.053	LOQ	ug/l	J	RI
ACENAPHTHENE	0.035	J	0.042	LOD	0.053	LOQ	ug/l	J	RI
FLUORANTHENE	0.011	J	0.042	LOD	0.053	LOQ	ug/l	J	RI
FLUORENE	0.022	J	0.042	LOD	0.053	LOQ	ug/l	J	RI
PYRENE	0.012	J	0.042	LOD	0.053	LOQ	ug/l	J	RI

Sample ID: CH-SWSD051-SW01 **Collected:** 6/3/2017 10:15:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.019	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
FLUORENE	0.011	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
NAPHTHALENE	0.048	J	0.060	LOD	0.060	LOQ	ug/l	J	RI

Sample ID: CH-SWSD052-SW01 **Collected:** 6/3/2017 10:00:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.018	J	0.043	LOD	0.053	LOQ	ug/l	J	RI
2-METHYLNAPHTHALENE	0.021	J	0.043	LOD	0.053	LOQ	ug/l	J	RI
ACENAPHTHENE	0.035	J	0.043	LOD	0.053	LOQ	ug/l	J	RI
FLUORENE	0.018	J	0.043	LOD	0.053	LOQ	ug/l	J	RI

Sample ID: CH-SWSD053-SW01 **Collected:** 6/3/2017 9:45:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.012	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
2-METHYLNAPHTHALENE	0.015	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
ACENAPHTHENE	0.025	J	0.040	LOD	0.050	LOQ	ug/l	J	RI

Sample ID: CH-SWSD054-SW01 **Collected:** 6/3/2017 9:25:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.013	J	0.041	LOD	0.052	LOQ	ug/l	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-SWSD054-SW01 **Collected:** 6/3/2017 9:25:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.015	J	0.041	LOD	0.052	LOQ	ug/l	J	RI
ACENAPHTHENE	0.028	J	0.041	LOD	0.052	LOQ	ug/l	J	RI
FLUORENE	0.011	J	0.041	LOD	0.052	LOQ	ug/l	J	RI

Sample ID: CH-SWSD055-SW01 **Collected:** 6/3/2017 9:10:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.016	J	0.043	LOD	0.054	LOQ	ug/l	J	RI
2-METHYLNAPHTHALENE	0.020	J	0.043	LOD	0.054	LOQ	ug/l	J	RI
ACENAPHTHENE	0.041	J	0.043	LOD	0.054	LOQ	ug/l	J	RI
FLUORENE	0.014	J	0.043	LOD	0.054	LOQ	ug/l	J	RI

Sample ID: CH-SWSD055-SW01D **Collected:** 6/3/2017 9:10:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.014	J	0.041	LOD	0.051	LOQ	ug/l	J	RI
2-METHYLNAPHTHALENE	0.017	J	0.041	LOD	0.051	LOQ	ug/l	J	RI
ACENAPHTHENE	0.035	J	0.041	LOD	0.051	LOQ	ug/l	J	RI
FLUORENE	0.013	J	0.041	LOD	0.051	LOQ	ug/l	J	RI

Sample ID: CH-SWSD056-SW01 **Collected:** 6/2/2017 4:50:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.015	J	0.040	LOD	0.051	LOQ	ug/l	J	RI
NAPHTHALENE	0.037	J	0.061	LOD	0.061	LOQ	ug/l	J	RI

Sample ID: CH-SWSD057-SW01 **Collected:** 6/2/2017 4:35:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.011	J	0.041	LOD	0.051	LOQ	ug/l	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-SWSD058-SW01 **Collected:** 6/2/2017 4:20:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.016	J	0.041	LOD	0.051	LOQ	ug/l	J	Rl
NAPHTHALENE	0.040	J	0.061	LOD	0.061	LOQ	ug/l	J	Rl

Sample ID: CH-SWSD059-SW01 **Collected:** 6/2/2017 4:00:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.017	J	0.040	LOD	0.050	LOQ	ug/l	J	Rl
NAPHTHALENE	0.041	J	0.060	LOD	0.060	LOQ	ug/l	J	Rl

Sample ID: CH-SWSD060-SW01 **Collected:** 6/2/2017 3:45:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.016	J	0.040	LOD	0.050	LOQ	ug/l	J	Rl, Fd
BENZO(A)PYRENE	0.013	J	0.040	LOD	0.050	LOQ	ug/l	J	Rl, Fd
BENZO(B)FLUORANTHENE	0.027	J	0.040	LOD	0.050	LOQ	ug/l	J	Rl, Fd
BENZO(K)FLUORANTHENE	0.011	J	0.040	LOD	0.050	LOQ	ug/l	J	Rl, Fd
CHRYSENE	0.019	J	0.040	LOD	0.050	LOQ	ug/l	J	Rl, Fd
FLUORANTHENE	0.026	J	0.040	LOD	0.050	LOQ	ug/l	J	Rl, Fd
PYRENE	0.027	J	0.040	LOD	0.050	LOQ	ug/l	J	Rl, Fd

Sample ID: CH-SWSD060-SW01D **Collected:** 6/2/2017 3:45:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.040	U	0.040	LOD	0.051	LOQ	ug/l	UJ	Fd
BENZO(A)PYRENE	0.040	U	0.040	LOD	0.051	LOQ	ug/l	UJ	Fd
BENZO(B)FLUORANTHENE	0.013	J	0.040	LOD	0.051	LOQ	ug/l	J	Rl, Fd
BENZO(K)FLUORANTHENE	0.040	U	0.040	LOD	0.051	LOQ	ug/l	UJ	Fd
CHRYSENE	0.040	U	0.040	LOD	0.051	LOQ	ug/l	UJ	Fd
FLUORANTHENE	0.011	J	0.040	LOD	0.051	LOQ	ug/l	J	Rl, Fd
PYRENE	0.040	U	0.040	LOD	0.051	LOQ	ug/l	UJ	Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-SWSD061-SW01 **Collected:** 6/2/2017 3:25:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.016	J	0.041	LOD	0.051	LOQ	ug/l	J	RI
NAPHTHALENE	0.040	J	0.061	LOD	0.061	LOQ	ug/l	J	RI

Sample ID: CH-SWSD062-SW01 **Collected:** 6/2/2017 3:15:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NAPHTHALENE	0.038	J	0.061	LOD	0.061	LOQ	ug/l	J	RI

Sample ID: CH-SWSD064-SW01 **Collected:** 6/2/2017 2:45:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.012	J	0.040	LOD	0.050	LOQ	ug/l	J	RI

Sample ID: CH-SWSD065-SW01 **Collected:** 6/2/2017 2:25:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.014	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
NAPHTHALENE	0.034	J	0.060	LOD	0.060	LOQ	ug/l	J	RI, Fd

Sample ID: CH-SWSD065-SW01D **Collected:** 6/2/2017 2:25:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.012	J	0.041	LOD	0.051	LOQ	ug/l	J	RI
NAPHTHALENE	0.061	U	0.061	LOD	0.061	LOQ	ug/l	UJ	Fd

Sample ID: CH-SWSD069-SW01 **Collected:** 6/2/2017 10:00:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.048	J	0.043	LOD	0.054	LOQ	ug/l	J	RI
BENZO(A)PYRENE	0.036	J	0.043	LOD	0.054	LOQ	ug/l	J	RI
BENZO(G,H,I)PERYLENE	0.018	J	0.043	LOD	0.054	LOQ	ug/l	J	RI
BENZO(K)FLUORANTHENE	0.027	J	0.043	LOD	0.054	LOQ	ug/l	J	RI
CHRYSENE	0.046	J	0.043	LOD	0.054	LOQ	ug/l	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-SWSD069-SW01 **Collected:** 6/2/2017 10:00:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
INDENO(1,2,3-CD)PYRENE	0.021	J	0.043	LOD	0.054	LOQ	ug/l	J	RI

Sample ID: CH-SWSD072-SW01-X **Collected:** 6/2/2017 10:20:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.042	U	0.042	LOD	0.052	LOQ	ug/l	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.042	U	0.042	LOD	0.052	LOQ	ug/l	NP	StoE, ProfJudg
ACENAPHTHENE	0.042	U	0.042	LOD	0.052	LOQ	ug/l	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.042	U	0.042	LOD	0.052	LOQ	ug/l	NP	StoE, ProfJudg
ANTHRACENE	0.042	U	0.042	LOD	0.052	LOQ	ug/l	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.042	U	0.042	LOD	0.052	LOQ	ug/l	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.042	U	0.042	LOD	0.052	LOQ	ug/l	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.042	U	0.042	LOD	0.052	LOQ	ug/l	NP	StoE, ProfJudg
BENZO(G,H,I)PERYLENE	0.042	U	0.042	LOD	0.052	LOQ	ug/l	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.042	U	0.042	LOD	0.052	LOQ	ug/l	NP	StoE, ProfJudg
CHRYSENE	0.042	U	0.042	LOD	0.052	LOQ	ug/l	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.042	U	0.042	LOD	0.052	LOQ	ug/l	NP	StoE, ProfJudg
FLUORANTHENE	0.042	U	0.042	LOD	0.052	LOQ	ug/l	NP	StoE, ProfJudg
FLUORENE	0.042	U	0.042	LOD	0.052	LOQ	ug/l	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.042	U	0.042	LOD	0.052	LOQ	ug/l	NP	StoE, ProfJudg
NAPHTHALENE	0.063	U	0.063	LOD	0.063	LOQ	ug/l	NP	StoE, ProfJudg
PHENANTHRENE	0.063	U	0.063	LOD	0.063	LOQ	ug/l	NP	StoE, ProfJudg
PYRENE	0.042	U	0.042	LOD	0.052	LOQ	ug/l	NP	StoE, ProfJudg

Sample ID: CH-SWSD113-SW01 **Collected:** 6/3/2017 1:00:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.016	J	0.040	LOD	0.050	LOQ	ug/l	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-SWSD114-SW01 **Collected:** 6/3/2017 12:20:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.015	J	0.040	LOD	0.050	LOQ	ug/l	J	Rl

Sample ID: CH-SWSD114-SW01-F **Collected:** 6/3/2017 12:20:00 PM **Analysis Type:** Initial/DIS-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(B)FLUORANTHENE	0.016	J	0.040	LOD	0.050	LOQ	ug/l	J	Rl
BENZO(G,H,I)PERYLENE	0.012	J	0.040	LOD	0.050	LOQ	ug/l	J	Rl
BENZO(K)FLUORANTHENE	0.013	J	0.040	LOD	0.050	LOQ	ug/l	J	Rl
INDENO(1,2,3-CD)PYRENE	0.012	J	0.040	LOD	0.050	LOQ	ug/l	J	Rl

Sample ID: CH-SWSD115-SW01 **Collected:** 6/3/2017 11:55:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.013	J	0.040	LOD	0.050	LOQ	ug/l	J	Rl

Sample ID: CH-SWSD115-SW01D **Collected:** 6/3/2017 11:55:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.014	J	0.040	LOD	0.050	LOQ	ug/l	J	Rl

Sample ID: CH-SWSD115-SW01D-F **Collected:** 6/3/2017 11:55:00 AM **Analysis Type:** Initial/DIS-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.011	J	0.041	LOD	0.051	LOQ	ug/l	J	Rl, Fd

Sample ID: CH-SWSD115-SW01-F **Collected:** 6/3/2017 11:55:00 AM **Analysis Type:** Initial/DIS-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.040	U	0.040	LOD	0.050	LOQ	ug/l	UJ	Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-SWSD116-SW01 **Collected:** 6/3/2017 2:45:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.035	J	0.040	LOD	0.051	LOQ	ug/l	J	RI
BENZO(G,H,I)PERYLENE	0.036	J	0.040	LOD	0.051	LOQ	ug/l	J	RI
BENZO(K)FLUORANTHENE	0.031	J	0.040	LOD	0.051	LOQ	ug/l	J	RI
CHRYSENE	0.045	J	0.040	LOD	0.051	LOQ	ug/l	J	RI
DIBENZO(A,H)ANTHRACENE	0.015	J	0.040	LOD	0.051	LOQ	ug/l	J	RI
INDENO(1,2,3-CD)PYRENE	0.037	J	0.040	LOD	0.051	LOQ	ug/l	J	RI

Sample ID: CH-SWSD117-SW01 **Collected:** 6/3/2017 2:00:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(B)FLUORANTHENE	0.032	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
BENZO(G,H,I)PERYLENE	0.014	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
BENZO(K)FLUORANTHENE	0.020	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
INDENO(1,2,3-CD)PYRENE	0.014	J	0.040	LOD	0.050	LOQ	ug/l	J	RI

Sample ID: CH-SWSD117-SW01-F **Collected:** 6/3/2017 2:00:00 PM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(B)FLUORANTHENE	0.012	J	0.040	LOD	0.050	LOQ	ug/l	J	RI

Sample ID: CH-SWSD118-SW01 **Collected:** 6/3/2017 1:55:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(A)PYRENE	0.011	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
BENZO(B)FLUORANTHENE	0.016	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
FLUORANTHENE	0.019	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
PYRENE	0.015	J	0.040	LOD	0.050	LOQ	ug/l	J	RI

Sample ID: CH-SWSD123-SW01 **Collected:** 6/3/2017 9:40:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORANTHENE	0.040	U	0.040	LOD	0.050	LOQ	ug/l	UJ	Ms

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Reason Code Legend

Reason Code	*Description*
Fd	Field Duplicate Precision
Lcs	Laboratory Control Precision
Ld	Laboratory Duplicate Precision
Mb	Method Blank Contamination
Ms	Matrix Spike Lower Estimation
Ms	Matrix Spike Precision
Ms	Matrix Spike Upper Estimation
ProfJudg	Professional Judgment
RI	Reporting Limit Trace Value
StoE	Sampling to Extraction Estimation
StoE	Sampling to Extraction Rejection
Surr	Surrogate/Tracer Recovery Lower Estimation

* denotes a non-reportable result

QC Outlier Report: HoldingTimes

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D **Preparation Method: SW3510C**

Matrix: WATER

Sample ID	Type	Actual	Criteria	Units	Flag
CH-SWSD057-SW01-X (Reanalysis-	Sampling To Extraction	13.00	7.00	DAYS	J- (all detects)
CH-SWSD069-SW01-X (Reanalysis-		13.00	7.00	DAYS	UJ (all non-detects)
CH-SWSD072-SW01-F-X (Reanalys		13.00	7.00	DAYS	
CH-SWSD072-SW01-X (Reanalysis-		13.00	7.00	DAYS	
CH-SWSD076-SW01-X (Reanalysis-		13.00	7.00	DAYS	
CH-SWSD078-SW01-X (Reanalysis-		13.00	7.00	DAYS	
CH-SWSD119-SW01-X (Reanalysis-		12.00	7.00	DAYS	
CH-SWSD120-SW01D-X (Reanalysi		12.00	7.00	DAYS	
CH-SWSD120-SW01-X (Reanalysis-		12.00	7.00	DAYS	
CH-SWSD058-SW01-X (Reanalysis-	Sampling To Extraction	15.00	7.00	DAYS	J-(all detects) R(all non-detects)

Method: 8270D SIM **Preparation Method: SW3510C**

Matrix: WATER

Sample ID	Type	Actual	Criteria	Units	Flag
CH-SWSD072-SW01-X (Reanalysis-	Sampling To Extraction	39.00	7.00	DAYS	J-(all detects) R(all non-detects)

Project Name and Number: Camp Hero - USACE

Surrogate Outlier Report

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D
Matrix: WATER

Sample ID (Analysis Type)	Surrogate	Sample % Recovery	% Recovery Limits	Affected Compounds	Flag
CH-SWSD057-SW01 (Initial/TOT)	2,4,6-TRIBROMOPHENOL 2-FLUOROPHENOL	39 15	43.00-140.00 19.00-119.00	All Acid Target Analytes	J- (all detects) UJ (all non-detects)
CH-SWSD072-SW01 (Initial/TOT)	2,4,6-TRIBROMOPHENOL 2-FLUOROBIPHENYL 2-FLUOROPHENOL Nitrobenzene-d5	32 38 17 37	43.00-140.00 44.00-119.00 19.00-119.00 44.00-120.00	All Target Analytes	J-(all detects) UJ(all non-detects)
CH-SWSD119-SW01 (Initial/TOT)	2,4,6-TRIBROMOPHENOL Terphenyl-d14	30 42	43.00-140.00 50.00-134.00	No Affected Compounds	
CH-SWSD120-SW01 (Initial/TOT)	2,4,6-TRIBROMOPHENOL 2-FLUOROBIPHENYL Terphenyl-d14	30 42 36	43.00-140.00 44.00-119.00 50.00-134.00	All Base/Neutral Target Analytes	J-(all detects) UJ(all non-detects)
CH-SWSD120-SW01D (Initial/TOT)	2,4,6-TRIBROMOPHENOL Terphenyl-d14	37 48	43.00-140.00 50.00-134.00	No Affected Compounds	

Method: 8270D SIM
Matrix: WATER

Sample ID (Analysis Type)	Surrogate	Sample % Recovery	% Recovery Limits	Affected Compounds	Flag
CH-SWSD072-SW01 (Initial/TOT)	Fluoranthene-d10	41	42.00-136.00	No Affected Compounds	

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: WATER

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-SWSD063-SW01MS (Total) CH-SWSD063-SW01MSD (Total) (CH-SWSD063-SW01)	BARIUM THALLIUM	132 125	- -	86.00-114.00 82.00-116.00	21 (20.00) 22 (20.00)	BARIUM THALLIUM	J (all detects) UJ (all non-detects)
CH-SWSD063-SW01MS (Total) (CH-SWSD063-SW01)	ANTIMONY ARSENIC	122 118	- -	85.00-117.00 84.00-116.00	- -	ANTIMONY ARSENIC	J+(all detects)
CH-SWSD123-SW01MS (Total) (CH-SWSD123-SW01)	CALCIUM	119	-	87.00-118.00	-	CALCIUM	J+(all detects)

Method: 8270D
Matrix: WATER

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-SWSD063-SW01MSD (CH-SWSD063-SW01)	BENZOIC ACID	-	-	10.00-64.00	38 (20.00)	BENZOIC ACID	J(all detects)
CH-SWSD063-SW01MSD (CH-SWSD063-SW01)	DIMETHYL PHTHALATE	-	44	45.00-127.00	-	DIMETHYL PHTHALATE	J-(all detects) UJ(all non-detects)
CH-SWSD123-SW01MSD (CH-SWSD123-SW01)	4-Chloroaniline [p-Chloroaniline]	-	-	33.00-117.00	22 (20.00)	4-Chloroaniline [p-Chloroaniline]	J(all detects)
CH-SWSD123-SW01MS CH-SWSD123-SW01MSD (CH-SWSD123-SW01)	BENZOIC ACID	65	73	10.00-64.00	-	BENZOIC ACID	J+(all detects)
CH-SWSD050-SW01MSD (CH-SWSD050-SW01)	BENZOIC ACID	-	-	10.00-64.00	84 (20.00)	BENZOIC ACID	J(all detects)

Method: 218.6
Matrix: WATER

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-SWSD050-SW01MS (Total) CH-SWSD050-SW01MSD (Total) (CH-SWSD050-SW01)	Hexavalent Chromium [Cr (VI)]	79	80	90.00-110.00	-	Hexavalent Chromium [Cr (VI)]	J-(all detects) UJ(all non-detects)

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**
Matrix: **WATER**

QC Sample ID (Associated Samples)	*Compound*	*MS %R*	*MSD %R*	*%R Limits*	*RPD (Limits)*	*Affected Compounds*	*Flag*
CH-SWSD123-SW01MS CH-SWSD123-SW01MSD (CH-SWSD123-SW01)	FLUORANTHENE	55	55	58.00-120.00	-	FLUORANTHENE	J-(all detects) UJ(all non-detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 218.6
Matrix: WATER

Analyte	Concentration (ug/l)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD120-SW01 (Total)	CH-SWSD120-SW01D (Total)			
Hexavalent Chromium [Cr (VI)]	0.22	0.050 U	200	30.00	J (all detects) UJ (all non-detects)

Analyte	Concentration (ug/l)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD060-SW01 (Total)	CH-SWSD060-SW01D (Total)			
Hexavalent Chromium [Cr (VI)]	0.19	0.22	15	30.00	No Qualifiers Applied

Method: 6020A
Matrix: WATER

Analyte	Concentration (ug/l)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD120-SW01 (Total)	CH-SWSD120-SW01D (Total)			
ALUMINUM	865	913	5	30.00	
BARIUM	22.6	22.8	1	30.00	
BERYLLIUM	0.21	0.21	0	30.00	
CALCIUM	5210	5270	1	30.00	
CHROMIUM	1.8	1.8	0	30.00	
COBALT	1.5	1.5	0	30.00	
COPPER	5.3	5.3	0	30.00	
IRON	1530	1480	3	30.00	
LEAD	1.0	1.0	0	30.00	No Qualifiers Applied
MAGNESIUM	3330	3390	2	30.00	
MANGANESE	87.7	86.5	1	30.00	
NICKEL	2.9	3.0	3	30.00	
POTASSIUM	1310	1330	2	30.00	
SODIUM	16600	16800	1	30.00	
VANADIUM	2.1	2.0	5	30.00	
ZINC	24.2	24.6	2	30.00	
ARSENIC	0.77	4.0 U	200	30.00	J(all detects)
CADMIUM	0.21	1.0 U	200	30.00	UJ(all non-detects)

Analyte	Concentration (ug/l)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD115-SW01-F (Dissolved)	CH-SWSD115-SW01D-F (Dissolved)			
ALUMINUM	773	676	13	30.00	
BARIUM	23.8	20.3	16	30.00	
BERYLLIUM	0.19	0.18	5	30.00	
CALCIUM	5740	5860	2	30.00	
COBALT	1.5	1.3	14	30.00	
COPPER	5.5	4.2	27	30.00	
IRON	1390	1240	11	30.00	
LEAD	1.0	0.90	11	30.00	No Qualifiers Applied
MAGNESIUM	3280	3270	0	30.00	
MANGANESE	93.3	85.4	9	30.00	
NICKEL	2.8	2.5	11	30.00	
POTASSIUM	1220	1200	2	30.00	
SODIUM	16500	16100	2	30.00	
VANADIUM	2.2	1.8	20	30.00	
ZINC	26.9	20.3	28	30.00	
ARSENIC	0.70	4.0 U	200	30.00	J(all detects)
CHROMIUM	1.9	1.3	37	30.00	UJ(all non-detects)

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Field Duplicate RPD Report

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: WATER

Analyte	Concentration (ug/l) CH-SWSD060-SW01 (Total)	Concentration (ug/l) CH-SWSD060-SW01D (Total)	Sample RPD	eQAPP RPD	Flag
BARIUM	25.0	25.0	0	30.00	No Qualifiers Applied
CALCIUM	5180	4980	4	30.00	
CHROMIUM	1.7	1.3	27	30.00	
COPPER	3.1	2.7	14	30.00	
MAGNESIUM	2790	2780	0	30.00	
POTASSIUM	1260	1270	1	30.00	
SODIUM	17600	18000	2	30.00	
ZINC	15.2	12.5	19	30.00	
ALUMINUM	997	606	49	30.00	J(all detects) UJ(all non-detects)
ARSENIC	0.98	4.0 U	200	30.00	
BERYLLIUM	0.16	0.30	61	30.00	
COBALT	1.1	0.78	34	30.00	
IRON	3980	1670	82	30.00	
LEAD	7.8	3.4	79	30.00	
THALLIUM	1.0 U	0.19	200	30.00	

Analyte	Concentration (ug/l) CH-SWSD065-SW01 (Total)	Concentration (ug/l) CH-SWSD065-SW01D (Total)	Sample RPD	eQAPP RPD	Flag
ALUMINUM	358	356	1	30.00	No Qualifiers Applied
BARIUM	22.0	18.0	20	30.00	
CALCIUM	4860	4700	3	30.00	
CHROMIUM	1.1	0.87	23	30.00	
COBALT	0.36	0.41	13	30.00	
COPPER	2.1	2.0	5	30.00	
IRON	654	653	0	30.00	
LEAD	1.2	1.1	9	30.00	
MAGNESIUM	2670	2640	1	30.00	
POTASSIUM	1150	1120	3	30.00	
SODIUM	17500	17200	2	30.00	
ZINC	22.0	12.1	58	30.00	J(all detects) UJ(all non-detects)

Analyte	Concentration (ug/l) CH-SWSD055-SW01 (Total)	Concentration (ug/l) CH-SWSD055-SW01D (Total)	Sample RPD	eQAPP RPD	Flag
ALUMINUM	204	240	16	30.00	No Qualifiers Applied
BARIUM	13.1	12.1	8	30.00	
CALCIUM	4880	5010	3	30.00	
CHROMIUM	0.84	0.91	8	30.00	
COBALT	0.60	0.51	16	30.00	
COPPER	1.1	0.97	13	30.00	
IRON	1040	1020	2	30.00	
LEAD	0.26	0.25	4	30.00	
MAGNESIUM	3080	3040	1	30.00	
MANGANESE	65.5	63.0	4	30.00	
POTASSIUM	1400	1340	4	30.00	
SODIUM	17500	17200	2	30.00	
VANADIUM	0.95	0.92	3	30.00	
ZINC	5.6	14.2	87	30.00	J(all detects) UJ(all non-detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: WATER

Analyte	Concentration (ug/l)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD065-SW01-X (Total)	CH-SWSD065-SW01D-X (Total)			
MANGANESE	40.0	39.3	2	30.00	
NICKEL	1.3	1.1	17	30.00	No Qualifiers Applied
VANADIUM	1.1	1.2	9	30.00	

Analyte	Concentration (ug/l)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD115-SW01 (Total)	CH-SWSD115-SW01D (Total)			
ALUMINUM	868	805	8	30.00	
BARIUM	22.2	24.2	9	30.00	
BERYLLIUM	0.20	0.18	11	30.00	
CALCIUM	5510	6100	10	30.00	
CHROMIUM	1.9	1.8	5	30.00	
COBALT	1.5	1.4	7	30.00	
COPPER	5.3	5.0	6	30.00	
IRON	1600	1460	9	30.00	No Qualifiers Applied
LEAD	1.1	1.1	0	30.00	
MAGNESIUM	3300	3340	1	30.00	
MANGANESE	94.9	91.3	4	30.00	
NICKEL	3.0	3.1	3	30.00	
POTASSIUM	1250	1290	3	30.00	
SODIUM	16400	16500	1	30.00	
VANADIUM	2.1	2.0	5	30.00	
CADMIUM	1.0 U	0.20	200	30.00	J(all detects)
ZINC	59.0	25.9	78	30.00	UJ(all non-detects)

Method: 8270D SIM
Matrix: WATER

Analyte	Concentration (ug/l)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD115-SW01-F	CH-SWSD115-SW01D-F			
ANTHRACENE	0.050 U	0.011	200	30.00	J(all detects) UJ(all non-detects)

Analyte	Concentration (ug/l)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD060-SW01	CH-SWSD060-SW01D			
BENZ(A)ANTHRACENE	0.016	0.051 U	200	30.00	
BENZO(A)PYRENE	0.013	0.051 U	200	30.00	
BENZO(B)FLUORANTHENE	0.027	0.013	70	30.00	J(all detects)
BENZO(K)FLUORANTHENE	0.011	0.051 U	200	30.00	UJ(all non-detects)
CHRYSENE	0.019	0.051 U	200	30.00	
FLUORANTHENE	0.026	0.011	81	30.00	
PYRENE	0.027	0.051 U	200	30.00	

Analyte	Concentration (ug/l)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD065-SW01	CH-SWSD065-SW01D			
ACENAPHTHENE	0.014	0.012	15	30.00	No Qualifiers Applied
NAPHTHALENE	0.034	0.061 U	200	30.00	J(all detects) UJ(all non-detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D SIM
Matrix: WATER

Analyte	Concentration (ug/l) CH-SWSD055-SW01	CH-SWSD055-SW01D	Sample RPD	eQAPP RPD	Flag
1-METHYLNAPHTHALENE	0.016	0.014	13	30.00	
2-METHYLNAPHTHALENE	0.020	0.017	16	30.00	
ACENAPHTHENE	0.041	0.035	16	30.00	No Qualifiers Applied
FLUORENE	0.014	0.013	7	30.00	
NAPHTHALENE	0.093	0.082	13	30.00	

Analyte	Concentration (ug/l) CH-SWSD115-SW01	CH-SWSD115-SW01D	Sample RPD	eQAPP RPD	Flag
ANTHRACENE	0.013	0.014	7	30.00	No Qualifiers Applied

Method: 8270D
Matrix: WATER

Analyte	Concentration (ug/l) CH-SWSD115-SW01-F	CH-SWSD115-SW01D-F	Sample RPD	eQAPP RPD	Flag
DIETHYL PHTHALATE	3.1	5.1 U	200	30.00	J(all detects) UJ(all non-detects)

Analyte	Concentration (ug/l) CH-SWSD055-SW01	CH-SWSD055-SW01D	Sample RPD	eQAPP RPD	Flag
NAPHTHALENE	0.54 U	0.11	200	30.00	J(all detects) UJ(all non-detects)

Method: Calculation
Matrix: WATER

Analyte	Concentration (ug/l) CH-SWSD120-SW01 (Total)	CH-SWSD120-SW01D (Total)	Sample RPD	eQAPP RPD	Flag
TRIVALENT CHROMIUM	1.6	1.8	12	20.00	No Qualifiers Applied

Analyte	Concentration (ug/l) CH-SWSD060-SW01 (Total)	CH-SWSD060-SW01D (Total)	Sample RPD	eQAPP RPD	Flag
TRIVALENT CHROMIUM	1.5	1.1	31	20.00	J(all detects) UJ(all non-detects)

Method: SM 2340B
Matrix: WATER

Analyte	Concentration (ug/l) CH-SWSD120-SW01	CH-SWSD120-SW01D	Sample RPD	eQAPP RPD	Flag
HARDNESS (AS CACO3)	26700	27100	1	30.00	No Qualifiers Applied

Field Duplicate RPD Report

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: SM 2340B
Matrix: WATER

Analyte	Concentration (ug/l)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD115-SW01-F	CH-SWSD115-SW01D-F			
HARDNESS (AS CACO3)	27900	28100	1	30.00	No Qualifiers Applied

Analyte	Concentration (ug/l)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD060-SW01	CH-SWSD060-SW01D			
HARDNESS (AS CACO3)	24400	23900	2	30.00	No Qualifiers Applied

Analyte	Concentration (ug/l)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD065-SW01	CH-SWSD065-SW01D			
HARDNESS (AS CACO3)	23100	22600	2	30.00	No Qualifiers Applied

Analyte	Concentration (ug/l)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD055-SW01	CH-SWSD055-SW01D			
HARDNESS (AS CACO3)	24900	25000	0	30.00	No Qualifiers Applied

Analyte	Concentration (ug/l)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD115-SW01	CH-SWSD115-SW01D			
HARDNESS (AS CACO3)	27300	29000	6	30.00	No Qualifiers Applied

Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D**
Matrix: **WATER**

QC Sample ID (Associated Samples)	*Compound*	*LCS %R*	*LCSD %R*	*%R Limits*	*RPD (Limits)*	*Affected Compounds*	*Flag*
P5WGLCSY165WAG026 (CH-SWSD119-SW01-X CH-SWSD120-SW01D-X CH-SWSD120-SW01-X)	DIMETHYL PHTHALATE	-	-	45.00-127.00	22 (20.00)	DIMETHYL PHTHALATE	J (all detects) UJ (all non-detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD046-SW01	ALUMINUM	J	79.6	200	LOQ	ug/l	J (all detects)
	CHROMIUM	J	0.99	4.0	LOQ	ug/l	
	COPPER	J	0.86	4.0	LOQ	ug/l	
	LEAD	J	0.24	2.0	LOQ	ug/l	
	NICKEL	J	1.7	4.0	LOQ	ug/l	
	VANADIUM	J	0.65	1.0	LOQ	ug/l	
CH-SWSD047-SW01	CHROMIUM	J	1.0	4.0	LOQ	ug/l	J (all detects)
	COBALT	J	0.33	1.0	LOQ	ug/l	
	COPPER	J	2.1	4.0	LOQ	ug/l	
	LEAD	J	0.31	2.0	LOQ	ug/l	
	NICKEL	J	2.1	4.0	LOQ	ug/l	
	ZINC	J	7.2	30.0	LOQ	ug/l	
CH-SWSD048-SW01	ALUMINUM	J	130	200	LOQ	ug/l	J (all detects)
	CHROMIUM	J	1.0	4.0	LOQ	ug/l	
	COBALT	J	0.51	1.0	LOQ	ug/l	
	COPPER	J	1.4	4.0	LOQ	ug/l	
	LEAD	J	0.23	2.0	LOQ	ug/l	
	NICKEL	J	1.7	4.0	LOQ	ug/l	
	VANADIUM	J	0.76	1.0	LOQ	ug/l	
	ZINC	J	8.5	30.0	LOQ	ug/l	
CH-SWSD049-SW01	CHROMIUM	J	0.90	4.0	LOQ	ug/l	J (all detects)
	COBALT	J	0.61	1.0	LOQ	ug/l	
	COPPER	J	1.0	4.0	LOQ	ug/l	
	LEAD	J	0.32	2.0	LOQ	ug/l	
	VANADIUM	J	0.69	1.0	LOQ	ug/l	
	ZINC	J	29.9	30.0	LOQ	ug/l	
CH-SWSD050-SW01	CHROMIUM	J	1.0	4.0	LOQ	ug/l	J (all detects)
	COBALT	J	0.60	1.0	LOQ	ug/l	
	COPPER	J	1.5	4.0	LOQ	ug/l	
	LEAD	J	0.27	2.0	LOQ	ug/l	
	NICKEL	J	2.2	4.0	LOQ	ug/l	
	VANADIUM	J	0.91	1.0	LOQ	ug/l	
	ZINC	J	4.9	30.0	LOQ	ug/l	
CH-SWSD051-SW01	CHROMIUM	J	1.1	4.0	LOQ	ug/l	J (all detects)
	COBALT	J	0.52	1.0	LOQ	ug/l	
	COPPER	J	1.2	4.0	LOQ	ug/l	
	LEAD	J	0.30	2.0	LOQ	ug/l	
	ZINC	J	4.4	30.0	LOQ	ug/l	
CH-SWSD052-SW01	CHROMIUM	J	0.91	4.0	LOQ	ug/l	J (all detects)
	COBALT	J	0.51	1.0	LOQ	ug/l	
	COPPER	J	1.2	4.0	LOQ	ug/l	
	LEAD	J	0.30	2.0	LOQ	ug/l	
	ZINC	J	3.6	30.0	LOQ	ug/l	
CH-SWSD052-SW01-X	VANADIUM	J	0.75	1.0	LOQ	ug/l	J (all detects)
CH-SWSD053-SW01	ALUMINUM	J	195	200	LOQ	ug/l	J (all detects)
	CHROMIUM	J	0.99	4.0	LOQ	ug/l	
	COBALT	J	0.55	1.0	LOQ	ug/l	
	COPPER	J	1.3	4.0	LOQ	ug/l	
	LEAD	J	0.29	2.0	LOQ	ug/l	
	ZINC	J	23.6	30.0	LOQ	ug/l	

Reporting Limit Outliers

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD054-SW01	CHROMIUM	J	0.79	4.0	LOQ	ug/l	J (all detects)
	COBALT	J	0.55	1.0	LOQ	ug/l	
	COPPER	J	1.1	4.0	LOQ	ug/l	
	LEAD	J	0.28	2.0	LOQ	ug/l	
	NICKEL	J	0.89	4.0	LOQ	ug/l	
	ZINC	J	7.3	30.0	LOQ	ug/l	
CH-SWSD055-SW01	CHROMIUM	J	0.84	4.0	LOQ	ug/l	J (all detects)
	COBALT	J	0.60	1.0	LOQ	ug/l	
	COPPER	J	1.1	4.0	LOQ	ug/l	
	LEAD	J	0.26	2.0	LOQ	ug/l	
	VANADIUM	J	0.95	1.0	LOQ	ug/l	
	ZINC	J	5.6	30.0	LOQ	ug/l	
CH-SWSD055-SW01D	CHROMIUM	J	0.91	4.0	LOQ	ug/l	J (all detects)
	COBALT	J	0.51	1.0	LOQ	ug/l	
	COPPER	J	0.97	4.0	LOQ	ug/l	
	LEAD	J	0.25	2.0	LOQ	ug/l	
	VANADIUM	J	0.92	1.0	LOQ	ug/l	
	ZINC	J	14.2	30.0	LOQ	ug/l	
CH-SWSD056-SW01	CHROMIUM	J	0.99	4.0	LOQ	ug/l	J (all detects)
	COBALT	J	0.60	1.0	LOQ	ug/l	
	COPPER	J	2.2	4.0	LOQ	ug/l	
	ZINC	J	11.0	30.0	LOQ	ug/l	
CH-SWSD056-SW01-X	NICKEL	J	1.1	4.0	LOQ	ug/l	J (all detects)
CH-SWSD057-SW01	CHROMIUM	J	1.1	4.0	LOQ	ug/l	J (all detects)
	COBALT	J	0.53	1.0	LOQ	ug/l	
	COPPER	J	1.9	4.0	LOQ	ug/l	
	LEAD	J	1.4	2.0	LOQ	ug/l	
	ZINC	J	11.4	30.0	LOQ	ug/l	
CH-SWSD057-SW01-X	NICKEL	J	1.0	4.0	LOQ	ug/l	J (all detects)
CH-SWSD058-SW01	ARSENIC	J	0.97	4.0	LOQ	ug/l	J (all detects)
	BERYLLIUM	J	0.50	1.0	LOQ	ug/l	
	CHROMIUM	J	1.5	4.0	LOQ	ug/l	
	COBALT	J	0.94	1.0	LOQ	ug/l	
	COPPER	J	2.4	4.0	LOQ	ug/l	
	LEAD	J	1.7	2.0	LOQ	ug/l	
	THALLIUM	J	0.35	1.0	LOQ	ug/l	
	ZINC	J	9.7	30.0	LOQ	ug/l	
CH-SWSD058-SW01-X	NICKEL	J	1.2	4.0	LOQ	ug/l	J (all detects)
	VANADIUM	J	0.98	1.0	LOQ	ug/l	
CH-SWSD059-SW01	CHROMIUM	J	0.97	4.0	LOQ	ug/l	J (all detects)
	COBALT	J	0.56	1.0	LOQ	ug/l	
	COPPER	J	2.0	4.0	LOQ	ug/l	
	LEAD	J	1.4	2.0	LOQ	ug/l	
	ZINC	J	11.9	30.0	LOQ	ug/l	
CH-SWSD059-SW01-X	NICKEL	J	1.1	4.0	LOQ	ug/l	J (all detects)
CH-SWSD060-SW01	ARSENIC	J	0.98	4.0	LOQ	ug/l	J (all detects)
	BERYLLIUM	J	0.16	1.0	LOQ	ug/l	
	CHROMIUM	J	1.7	4.0	LOQ	ug/l	
	COPPER	J	3.1	4.0	LOQ	ug/l	
	ZINC	J	15.2	30.0	LOQ	ug/l	

Reporting Limit Outliers

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD060-SW01D	BERYLLIUM	J	0.30	1.0	LOQ	ug/l	J (all detects)
	CHROMIUM	J	1.3	4.0	LOQ	ug/l	
	COBALT	J	0.78	1.0	LOQ	ug/l	
	COPPER	J	2.7	4.0	LOQ	ug/l	
	THALLIUM	J	0.19	1.0	LOQ	ug/l	
	ZINC	J	12.5	30.0	LOQ	ug/l	
CH-SWSD060-SW01D-X	NICKEL	J	1.3	4.0	LOQ	ug/l	J (all detects)
CH-SWSD060-SW01-X	NICKEL	J	1.5	4.0	LOQ	ug/l	J (all detects)
CH-SWSD061-SW01	CHROMIUM	J	1.1	4.0	LOQ	ug/l	J (all detects)
	COBALT	J	0.58	1.0	LOQ	ug/l	
	COPPER	J	2.3	4.0	LOQ	ug/l	
	ZINC	J	11.0	30.0	LOQ	ug/l	
CH-SWSD061-SW01-X	NICKEL	J	1.2	4.0	LOQ	ug/l	J (all detects)
CH-SWSD062-SW01	CHROMIUM	J	1.0	4.0	LOQ	ug/l	J (all detects)
	COBALT	J	0.37	1.0	LOQ	ug/l	
	COPPER	J	2.1	4.0	LOQ	ug/l	
	LEAD	J	1.2	2.0	LOQ	ug/l	
	ZINC	J	9.6	30.0	LOQ	ug/l	
CH-SWSD062-SW01-X	NICKEL	J	1.0	4.0	LOQ	ug/l	J (all detects)
CH-SWSD063-SW01	BERYLLIUM	J	0.14	1.0	LOQ	ug/l	J (all detects)
	CHROMIUM	J	1.0	4.0	LOQ	ug/l	
	COBALT	J	0.45	1.0	LOQ	ug/l	
	COPPER	J	2.3	4.0	LOQ	ug/l	
	LEAD	J	1.2	2.0	LOQ	ug/l	
	ZINC	J	13.6	30.0	LOQ	ug/l	
CH-SWSD063-SW01-X	NICKEL	J	0.88	4.0	LOQ	ug/l	J (all detects)
CH-SWSD064-SW01	CHROMIUM	J	0.99	4.0	LOQ	ug/l	J (all detects)
	COBALT	J	0.44	1.0	LOQ	ug/l	
	COPPER	J	2.1	4.0	LOQ	ug/l	
	LEAD	J	1.1	2.0	LOQ	ug/l	
	ZINC	J	12.9	30.0	LOQ	ug/l	
CH-SWSD064-SW01-X	NICKEL	J	1.2	4.0	LOQ	ug/l	J (all detects)
CH-SWSD065-SW01	CHROMIUM	J	1.1	4.0	LOQ	ug/l	J (all detects)
	COBALT	J	0.36	1.0	LOQ	ug/l	
	COPPER	J	2.1	4.0	LOQ	ug/l	
	LEAD	J	1.2	2.0	LOQ	ug/l	
	ZINC	J	22.0	30.0	LOQ	ug/l	
CH-SWSD065-SW01D	CHROMIUM	J	0.87	4.0	LOQ	ug/l	J (all detects)
	COBALT	J	0.41	1.0	LOQ	ug/l	
	COPPER	J	2.0	4.0	LOQ	ug/l	
	LEAD	J	1.1	2.0	LOQ	ug/l	
	ZINC	J	12.1	30.0	LOQ	ug/l	
CH-SWSD065-SW01D-X	NICKEL	J	1.1	4.0	LOQ	ug/l	J (all detects)
CH-SWSD065-SW01-X	NICKEL	J	1.3	4.0	LOQ	ug/l	J (all detects)
CH-SWSD069-SW01	BERYLLIUM	J	0.24	1.0	LOQ	ug/l	J (all detects)
	CHROMIUM	J	2.0	4.0	LOQ	ug/l	
	COBALT	J	0.94	1.0	LOQ	ug/l	

Reporting Limit Outliers

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD069-SW01-X	NICKEL	J	2.4	4.0	LOQ	ug/l	J (all detects)
CH-SWSD072-SW01	BERYLLIUM	J	0.20	1.0	LOQ	ug/l	J (all detects)
	CHROMIUM	J	1.1	4.0	LOQ	ug/l	
	COBALT	J	0.64	1.0	LOQ	ug/l	
	COPPER	J	1.1	4.0	LOQ	ug/l	
	IRON	J	121	200	LOQ	ug/l	
	LEAD	J	0.47	2.0	LOQ	ug/l	
CH-SWSD072-SW01-F	BERYLLIUM	J	0.18	1.0	LOQ	ug/l	J (all detects)
	CHROMIUM	J	0.96	4.0	LOQ	ug/l	
	COBALT	J	0.63	1.0	LOQ	ug/l	
	COPPER	J	1.6	4.0	LOQ	ug/l	
	IRON	J	105	200	LOQ	ug/l	
	LEAD	J	0.45	2.0	LOQ	ug/l	
	ZINC	J	22.1	30.0	LOQ	ug/l	
CH-SWSD072-SW01-F-X	NICKEL	J	1.4	4.0	LOQ	ug/l	J (all detects)
CH-SWSD072-SW01-X	NICKEL	J	1.6	4.0	LOQ	ug/l	J (all detects)
CH-SWSD076-SW01	BERYLLIUM	J	0.15	1.0	LOQ	ug/l	J (all detects)
	CHROMIUM	J	0.95	4.0	LOQ	ug/l	
	COBALT	J	0.49	1.0	LOQ	ug/l	
	COPPER	J	0.59	4.0	LOQ	ug/l	
	IRON	J	97.2	200	LOQ	ug/l	
	LEAD	J	0.26	2.0	LOQ	ug/l	
	ZINC	J	17.5	30.0	LOQ	ug/l	
CH-SWSD076-SW01-X	NICKEL	J	1.1	4.0	LOQ	ug/l	J (all detects)
CH-SWSD077-SW01	BERYLLIUM	J	0.20	1.0	LOQ	ug/l	J (all detects)
	CHROMIUM	J	1.1	4.0	LOQ	ug/l	
	COBALT	J	0.58	1.0	LOQ	ug/l	
	COPPER	J	0.83	4.0	LOQ	ug/l	
	IRON	J	112	200	LOQ	ug/l	
	LEAD	J	0.32	2.0	LOQ	ug/l	
	ZINC	J	17.9	30.0	LOQ	ug/l	
CH-SWSD077-SW01-X	NICKEL	J	1.0	4.0	LOQ	ug/l	J (all detects)
CH-SWSD078-SW01	BERYLLIUM	J	0.15	1.0	LOQ	ug/l	J (all detects)
	CHROMIUM	J	1.0	4.0	LOQ	ug/l	
	COBALT	J	0.60	1.0	LOQ	ug/l	
	COPPER	J	0.82	4.0	LOQ	ug/l	
	LEAD	J	0.35	2.0	LOQ	ug/l	
	ZINC	J	24.8	30.0	LOQ	ug/l	
CH-SWSD078-SW01-X	NICKEL	J	1.3	4.0	LOQ	ug/l	J (all detects)
CH-SWSD113-SW01	ARSENIC	J	0.87	4.0	LOQ	ug/l	J (all detects)
	BERYLLIUM	J	0.23	1.0	LOQ	ug/l	
	CADMIUM	J	0.26	1.0	LOQ	ug/l	
	CHROMIUM	J	2.2	4.0	LOQ	ug/l	
	LEAD	J	1.7	2.0	LOQ	ug/l	
	ZINC	J	26.5	30.0	LOQ	ug/l	

Reporting Limit Outliers

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD114-SW01	BERYLLIUM	J	0.24	1.0	LOQ	ug/l	J (all detects)
	CADMIUM	J	0.23	1.0	LOQ	ug/l	
	CHROMIUM	J	2.2	4.0	LOQ	ug/l	
	LEAD	J	1.7	2.0	LOQ	ug/l	
	ZINC	J	27.6	30.0	LOQ	ug/l	
CH-SWSD114-SW01-F	BERYLLIUM	J	0.24	1.0	LOQ	ug/l	J (all detects)
	CADMIUM	J	0.21	1.0	LOQ	ug/l	
	CHROMIUM	J	1.9	4.0	LOQ	ug/l	
	LEAD	J	1.3	2.0	LOQ	ug/l	
	ZINC	J	25.6	30.0	LOQ	ug/l	
CH-SWSD115-SW01	BERYLLIUM	J	0.20	1.0	LOQ	ug/l	J (all detects)
	CHROMIUM	J	1.9	4.0	LOQ	ug/l	
	LEAD	J	1.1	2.0	LOQ	ug/l	
	NICKEL	J	3.0	4.0	LOQ	ug/l	
CH-SWSD115-SW01D	BERYLLIUM	J	0.18	1.0	LOQ	ug/l	J (all detects)
	CADMIUM	J	0.20	1.0	LOQ	ug/l	
	CHROMIUM	J	1.8	4.0	LOQ	ug/l	
	LEAD	J	1.1	2.0	LOQ	ug/l	
	NICKEL	J	3.1	4.0	LOQ	ug/l	
	ZINC	J	25.9	30.0	LOQ	ug/l	
CH-SWSD115-SW01D-F	BERYLLIUM	J	0.18	1.0	LOQ	ug/l	J (all detects)
	CHROMIUM	J	1.3	4.0	LOQ	ug/l	
	LEAD	J	0.90	2.0	LOQ	ug/l	
	NICKEL	J	2.5	4.0	LOQ	ug/l	
	ZINC	J	20.3	30.0	LOQ	ug/l	
CH-SWSD115-SW01-F	ARSENIC	J	0.70	4.0	LOQ	ug/l	J (all detects)
	BERYLLIUM	J	0.19	1.0	LOQ	ug/l	
	CHROMIUM	J	1.9	4.0	LOQ	ug/l	
	LEAD	J	1.0	2.0	LOQ	ug/l	
	NICKEL	J	2.8	4.0	LOQ	ug/l	
	ZINC	J	26.9	30.0	LOQ	ug/l	
CH-SWSD116-SW01	BERYLLIUM	J	0.63	1.0	LOQ	ug/l	J (all detects)
	CADMIUM	J	0.22	1.0	LOQ	ug/l	
	SELENIUM	J	1.2	4.0	LOQ	ug/l	
CH-SWSD116-SW01-F	ALUMINUM	J	157	200	LOQ	ug/l	J (all detects)
	ARSENIC	J	1.9	4.0	LOQ	ug/l	
	CHROMIUM	J	1.1	4.0	LOQ	ug/l	
	COPPER	J	1.2	4.0	LOQ	ug/l	
	LEAD	J	0.26	2.0	LOQ	ug/l	
	NICKEL	J	3.0	4.0	LOQ	ug/l	
CH-SWSD117-SW01	ARSENIC	J	1.3	4.0	LOQ	ug/l	J (all detects)
	CHROMIUM	J	1.5	4.0	LOQ	ug/l	
	COPPER	J	1.2	4.0	LOQ	ug/l	
	LEAD	J	0.44	2.0	LOQ	ug/l	
	NICKEL	J	2.3	4.0	LOQ	ug/l	
CH-SWSD117-SW01-F	ALUMINUM	J	183	200	LOQ	ug/l	J (all detects)
	ARSENIC	J	0.70	4.0	LOQ	ug/l	
	CHROMIUM	J	1.1	4.0	LOQ	ug/l	
	COPPER	J	0.83	4.0	LOQ	ug/l	
	LEAD	J	0.13	2.0	LOQ	ug/l	
	NICKEL	J	1.9	4.0	LOQ	ug/l	

Reporting Limit Outliers

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD118-SW01	BERYLLIUM	J	0.56	1.0	LOQ	ug/l	J (all detects)
	CADMIUM	J	0.29	1.0	LOQ	ug/l	
	SELENIUM	J	0.89	4.0	LOQ	ug/l	
CH-SWSD118-SW01-F	ALUMINUM	J	72.8	200	LOQ	ug/l	J (all detects)
	CHROMIUM	J	0.65	4.0	LOQ	ug/l	
	COPPER	J	0.56	4.0	LOQ	ug/l	
	VANADIUM	J	0.36	1.0	LOQ	ug/l	
CH-SWSD119-SW01	ARSENIC	J	0.94	4.0	LOQ	ug/l	J (all detects)
	BERYLLIUM	J	0.22	1.0	LOQ	ug/l	
	CADMIUM	J	0.21	1.0	LOQ	ug/l	
	CHROMIUM	J	2.0	4.0	LOQ	ug/l	
	LEAD	J	1.2	2.0	LOQ	ug/l	
	NICKEL	J	3.3	4.0	LOQ	ug/l	
	ZINC	J	23.7	30.0	LOQ	ug/l	
CH-SWSD120-SW01	ARSENIC	J	0.77	4.0	LOQ	ug/l	J (all detects)
	BERYLLIUM	J	0.21	1.0	LOQ	ug/l	
	CADMIUM	J	0.21	1.0	LOQ	ug/l	
	CHROMIUM	J	1.8	4.0	LOQ	ug/l	
	LEAD	J	1.0	2.0	LOQ	ug/l	
	NICKEL	J	2.9	4.0	LOQ	ug/l	
	ZINC	J	24.2	30.0	LOQ	ug/l	
CH-SWSD120-SW01D	BERYLLIUM	J	0.21	1.0	LOQ	ug/l	J (all detects)
	CHROMIUM	J	1.8	4.0	LOQ	ug/l	
	LEAD	J	1.0	2.0	LOQ	ug/l	
	NICKEL	J	3.0	4.0	LOQ	ug/l	
	ZINC	J	24.6	30.0	LOQ	ug/l	
CH-SWSD121-SW01	ARSENIC	J	0.80	4.0	LOQ	ug/l	J (all detects)
	BERYLLIUM	J	0.17	1.0	LOQ	ug/l	
	CHROMIUM	J	1.6	4.0	LOQ	ug/l	
	LEAD	J	0.81	2.0	LOQ	ug/l	
	NICKEL	J	2.4	4.0	LOQ	ug/l	
	ZINC	J	19.6	30.0	LOQ	ug/l	
CH-SWSD122-SW01	BERYLLIUM	J	0.11	1.0	LOQ	ug/l	J (all detects)
	CHROMIUM	J	1.2	4.0	LOQ	ug/l	
	COBALT	J	0.44	1.0	LOQ	ug/l	
	COPPER	J	2.6	4.0	LOQ	ug/l	
	LEAD	J	0.48	2.0	LOQ	ug/l	
	NICKEL	J	1.6	4.0	LOQ	ug/l	
	ZINC	J	11.5	30.0	LOQ	ug/l	
CH-SWSD123-SW01	BERYLLIUM	J	0.12	1.0	LOQ	ug/l	J (all detects)
	CHROMIUM	J	1.3	4.0	LOQ	ug/l	
	COBALT	J	0.44	1.0	LOQ	ug/l	
	COPPER	J	2.9	4.0	LOQ	ug/l	
	LEAD	J	0.54	2.0	LOQ	ug/l	
	NICKEL	J	1.7	4.0	LOQ	ug/l	
	ZINC	J	11.9	30.0	LOQ	ug/l	
CH-SWSD124-SW01	BERYLLIUM	J	0.11	1.0	LOQ	ug/l	J (all detects)
	CHROMIUM	J	1.4	4.0	LOQ	ug/l	
	COBALT	J	0.50	1.0	LOQ	ug/l	
	COPPER	J	2.6	4.0	LOQ	ug/l	
	LEAD	J	0.56	2.0	LOQ	ug/l	
	NICKEL	J	1.8	4.0	LOQ	ug/l	

Reporting Limit Outliers

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD125-SW01	BERYLLIUM CHROMIUM COBALT COPPER LEAD NICKEL	J J J J J J	0.12 1.2 0.37 2.4 0.46 1.6	1.0 4.0 1.0 4.0 2.0 4.0	LOQ LOQ LOQ LOQ LOQ LOQ	ug/l ug/l ug/l ug/l ug/l ug/l	J (all detects)
EB-060317-01	MANGANESE SODIUM	J J	0.97 90.2	4.0 400	LOQ LOQ	ug/l ug/l	J (all detects)

Method: 7470A

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD116-SW01	MERCURY	J	0.12	0.20	LOQ	ug/l	J (all detects)
CH-SWSD118-SW01	MERCURY	J	0.10	0.20	LOQ	ug/l	J (all detects)

Method: 8270D

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD052-SW01	NAPHTHALENE	J	0.11	0.53	LOQ	ug/l	J (all detects)
CH-SWSD055-SW01D	NAPHTHALENE	J	0.11	0.51	LOQ	ug/l	J (all detects)
CH-SWSD058-SW01	BENZOIC ACID	J	9.3	15	LOQ	ug/l	J (all detects)
CH-SWSD069-SW01	BENZOIC ACID FLUORANTHENE PYRENE	J J J	10 0.12 0.14	16 0.54 0.54	LOQ LOQ LOQ	ug/l ug/l ug/l	J (all detects)
CH-SWSD069-SW01-X	PYRENE	J	0.12	0.52	LOQ	ug/l	J (all detects)
CH-SWSD072-SW01	BENZOIC ACID	J	10	17	LOQ	ug/l	J (all detects)
CH-SWSD072-SW01-F	BENZOIC ACID DI-N-BUTYL PHTHALATE	J J	10 2.9	16 5.4	LOQ LOQ	ug/l ug/l	J (all detects)
CH-SWSD072-SW01-F-X	DI-N-BUTYL PHTHALATE	J	4.7	5.3	LOQ	ug/l	J (all detects)
CH-SWSD076-SW01	BENZOIC ACID	J	9.7	16	LOQ	ug/l	J (all detects)
CH-SWSD078-SW01	BENZOIC ACID	J	9.6	15	LOQ	ug/l	J (all detects)
CH-SWSD115-SW01-F	DIETHYL PHTHALATE	J	3.1	5.0	LOQ	ug/l	J (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D SIM

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD047-SW01	BENZO(B)FLUORANTHENE	J	0.021	0.050	LOQ	ug/l	J (all detects)
	BENZO(G,H,I)PERYLENE	J	0.014	0.050	LOQ	ug/l	
	BENZO(K)FLUORANTHENE	J	0.017	0.050	LOQ	ug/l	
	CHRYSENE	J	0.016	0.050	LOQ	ug/l	
	DIBENZO(A,H)ANTHRACENE	J	0.013	0.050	LOQ	ug/l	
	FLUORANTHENE	J	0.029	0.050	LOQ	ug/l	
	INDENO(1,2,3-CD)PYRENE	J	0.015	0.050	LOQ	ug/l	
	PYRENE	J	0.017	0.050	LOQ	ug/l	
CH-SWSD049-SW01	1-METHYLNAPHTHALENE	J	0.014	0.052	LOQ	ug/l	J (all detects)
	2-METHYLNAPHTHALENE	J	0.016	0.052	LOQ	ug/l	
	ACENAPHTHENE	J	0.038	0.052	LOQ	ug/l	
	FLUORENE	J	0.020	0.052	LOQ	ug/l	
CH-SWSD050-SW01	1-METHYLNAPHTHALENE	J	0.021	0.053	LOQ	ug/l	J (all detects)
	2-METHYLNAPHTHALENE	J	0.025	0.053	LOQ	ug/l	
	ACENAPHTHENE	J	0.035	0.053	LOQ	ug/l	
	FLUORANTHENE	J	0.011	0.053	LOQ	ug/l	
	FLUORENE	J	0.022	0.053	LOQ	ug/l	
	PYRENE	J	0.012	0.053	LOQ	ug/l	
CH-SWSD051-SW01	ACENAPHTHENE	J	0.019	0.050	LOQ	ug/l	J (all detects)
	FLUORENE	J	0.011	0.050	LOQ	ug/l	
	NAPHTHALENE	J	0.048	0.060	LOQ	ug/l	
CH-SWSD052-SW01	1-METHYLNAPHTHALENE	J	0.018	0.053	LOQ	ug/l	J (all detects)
	2-METHYLNAPHTHALENE	J	0.021	0.053	LOQ	ug/l	
	ACENAPHTHENE	J	0.035	0.053	LOQ	ug/l	
	FLUORENE	J	0.018	0.053	LOQ	ug/l	
CH-SWSD053-SW01	1-METHYLNAPHTHALENE	J	0.012	0.050	LOQ	ug/l	J (all detects)
	2-METHYLNAPHTHALENE	J	0.015	0.050	LOQ	ug/l	
	ACENAPHTHENE	J	0.025	0.050	LOQ	ug/l	
CH-SWSD054-SW01	1-METHYLNAPHTHALENE	J	0.013	0.052	LOQ	ug/l	J (all detects)
	2-METHYLNAPHTHALENE	J	0.015	0.052	LOQ	ug/l	
	ACENAPHTHENE	J	0.028	0.052	LOQ	ug/l	
	FLUORENE	J	0.011	0.052	LOQ	ug/l	
CH-SWSD055-SW01	1-METHYLNAPHTHALENE	J	0.016	0.054	LOQ	ug/l	J (all detects)
	2-METHYLNAPHTHALENE	J	0.020	0.054	LOQ	ug/l	
	ACENAPHTHENE	J	0.041	0.054	LOQ	ug/l	
	FLUORENE	J	0.014	0.054	LOQ	ug/l	
CH-SWSD055-SW01D	1-METHYLNAPHTHALENE	J	0.014	0.051	LOQ	ug/l	J (all detects)
	2-METHYLNAPHTHALENE	J	0.017	0.051	LOQ	ug/l	
	ACENAPHTHENE	J	0.035	0.051	LOQ	ug/l	
	FLUORENE	J	0.013	0.051	LOQ	ug/l	
CH-SWSD056-SW01	ACENAPHTHENE	J	0.015	0.051	LOQ	ug/l	J (all detects)
	NAPHTHALENE	J	0.037	0.061	LOQ	ug/l	
CH-SWSD057-SW01	ACENAPHTHENE	J	0.011	0.051	LOQ	ug/l	J (all detects)
CH-SWSD058-SW01	ACENAPHTHENE	J	0.016	0.051	LOQ	ug/l	J (all detects)
	NAPHTHALENE	J	0.040	0.061	LOQ	ug/l	
CH-SWSD059-SW01	ACENAPHTHENE	J	0.017	0.050	LOQ	ug/l	J (all detects)
	NAPHTHALENE	J	0.041	0.060	LOQ	ug/l	

Reporting Limit Outliers

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D SIM

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD060-SW01	BENZ(A)ANTHRACENE	J	0.016	0.050	LOQ	ug/l	J (all detects)
	BENZO(A)PYRENE	J	0.013	0.050	LOQ	ug/l	
	BENZO(B)FLUORANTHENE	J	0.027	0.050	LOQ	ug/l	
	BENZO(K)FLUORANTHENE	J	0.011	0.050	LOQ	ug/l	
	CHRYSENE	J	0.019	0.050	LOQ	ug/l	
	FLUORANTHENE	J	0.026	0.050	LOQ	ug/l	
	PYRENE	J	0.027	0.050	LOQ	ug/l	
CH-SWSD060-SW01D	BENZO(B)FLUORANTHENE	J	0.013	0.051	LOQ	ug/l	J (all detects)
	FLUORANTHENE	J	0.011	0.051	LOQ	ug/l	
CH-SWSD061-SW01	ACENAPHTHENE	J	0.016	0.051	LOQ	ug/l	J (all detects)
	NAPHTHALENE	J	0.040	0.061	LOQ	ug/l	
CH-SWSD062-SW01	NAPHTHALENE	J	0.038	0.061	LOQ	ug/l	J (all detects)
CH-SWSD064-SW01	ACENAPHTHENE	J	0.012	0.050	LOQ	ug/l	J (all detects)
CH-SWSD065-SW01	ACENAPHTHENE	J	0.014	0.050	LOQ	ug/l	J (all detects)
	NAPHTHALENE	J	0.034	0.060	LOQ	ug/l	
CH-SWSD065-SW01D	ACENAPHTHENE	J	0.012	0.051	LOQ	ug/l	J (all detects)
CH-SWSD069-SW01	BENZ(A)ANTHRACENE	J	0.048	0.054	LOQ	ug/l	J (all detects)
	BENZO(A)PYRENE	J	0.036	0.054	LOQ	ug/l	
	BENZO(G,H,I)PERYLENE	J	0.018	0.054	LOQ	ug/l	
	BENZO(K)FLUORANTHENE	J	0.027	0.054	LOQ	ug/l	
	CHRYSENE	J	0.046	0.054	LOQ	ug/l	
	INDENO(1,2,3-CD)PYRENE	J	0.021	0.054	LOQ	ug/l	
CH-SWSD113-SW01	ANTHRACENE	J	0.016	0.050	LOQ	ug/l	J (all detects)
CH-SWSD114-SW01	ANTHRACENE	J	0.015	0.050	LOQ	ug/l	J (all detects)
CH-SWSD114-SW01-F	BENZO(B)FLUORANTHENE	J	0.016	0.050	LOQ	ug/l	J (all detects)
	BENZO(G,H,I)PERYLENE	J	0.012	0.050	LOQ	ug/l	
	BENZO(K)FLUORANTHENE	J	0.013	0.050	LOQ	ug/l	
	INDENO(1,2,3-CD)PYRENE	J	0.012	0.050	LOQ	ug/l	
CH-SWSD115-SW01	ANTHRACENE	J	0.013	0.050	LOQ	ug/l	J (all detects)
CH-SWSD115-SW01D	ANTHRACENE	J	0.014	0.050	LOQ	ug/l	J (all detects)
CH-SWSD115-SW01D-F	ANTHRACENE	J	0.011	0.051	LOQ	ug/l	J (all detects)
CH-SWSD116-SW01	BENZ(A)ANTHRACENE	J	0.035	0.051	LOQ	ug/l	J (all detects)
	BENZO(G,H,I)PERYLENE	J	0.036	0.051	LOQ	ug/l	
	BENZO(K)FLUORANTHENE	J	0.031	0.051	LOQ	ug/l	
	CHRYSENE	J	0.045	0.051	LOQ	ug/l	
	DIBENZO(A,H)ANTHRACENE	J	0.015	0.051	LOQ	ug/l	
	INDENO(1,2,3-CD)PYRENE	J	0.037	0.051	LOQ	ug/l	
CH-SWSD117-SW01	BENZO(B)FLUORANTHENE	J	0.032	0.050	LOQ	ug/l	J (all detects)
	BENZO(G,H,I)PERYLENE	J	0.014	0.050	LOQ	ug/l	
	BENZO(K)FLUORANTHENE	J	0.020	0.050	LOQ	ug/l	
	INDENO(1,2,3-CD)PYRENE	J	0.014	0.050	LOQ	ug/l	
CH-SWSD117-SW01-F	BENZO(B)FLUORANTHENE	J	0.012	0.050	LOQ	ug/l	J (all detects)
CH-SWSD118-SW01	BENZO(A)PYRENE	J	0.011	0.050	LOQ	ug/l	J (all detects)
	BENZO(B)FLUORANTHENE	J	0.016	0.050	LOQ	ug/l	
	FLUORANTHENE	J	0.019	0.050	LOQ	ug/l	
	PYRENE	J	0.015	0.050	LOQ	ug/l	

Reporting Limit Outliers

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **Calculation**

Matrix: **WATER**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD050-SW01	TRIVALENT CHROMIUM	J	0.82	4.0	LOQ	ug/l	J (all detects)
CH-SWSD060-SW01	TRIVALENT CHROMIUM	J	1.5	4.0	LOQ	ug/l	J (all detects)
CH-SWSD060-SW01D	TRIVALENT CHROMIUM	J	1.1	4.0	LOQ	ug/l	J (all detects)
CH-SWSD120-SW01	TRIVALENT CHROMIUM	J	1.6	4.0	LOQ	ug/l	J (all detects)
CH-SWSD120-SW01D	TRIVALENT CHROMIUM	J	1.8	4.0	LOQ	ug/l	J (all detects)

Method Blank Outlier Report

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**
Matrix: **WATER**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P15763AB157063901	6/13/2017 2:30:00 AM	CHROMIUM SODIUM ZINC	0.66 ug/l 81.2 ug/l 4.9 ug/l	CH-SWSD051-SW01 CH-SWSD052-SW01 CH-SWSD056-SW01 CH-SWSD057-SW01 CH-SWSD058-SW01 CH-SWSD059-SW01 CH-SWSD060-SW01 CH-SWSD060-SW01D CH-SWSD061-SW01 CH-SWSD062-SW01 CH-SWSD063-SW01 CH-SWSD064-SW01 CH-SWSD065-SW01 CH-SWSD065-SW01D CH-SWSD069-SW01 CH-SWSD072-SW01 CH-SWSD072-SW01-F CH-SWSD076-SW01 CH-SWSD077-SW01 CH-SWSD078-SW01
P15763BB157063902	6/12/2017 9:06:00 PM	SODIUM	47.9 ug/l	CH-SWSD049-SW01 CH-SWSD053-SW01 CH-SWSD054-SW01 CH-SWSD055-SW01 CH-SWSD055-SW01D CH-SWSD115-SW01 CH-SWSD115-SW01D CH-SWSD115-SW01D-F CH-SWSD115-SW01-F CH-SWSD119-SW01 CH-SWSD120-SW01 CH-SWSD120-SW01D CH-SWSD121-SW01 CH-SWSD122-SW01 CH-SWSD123-SW01 CH-SWSD124-SW01 CH-SWSD125-SW01 EB-060317-01 EB-060317-02
P16063AB160063901	6/14/2017 5:56:00 PM	CHROMIUM NICKEL	0.73 ug/l 1.2 ug/l	CH-SWSD046-SW01 CH-SWSD047-SW01 CH-SWSD048-SW01 CH-SWSD050-SW01 CH-SWSD113-SW01 CH-SWSD114-SW01 CH-SWSD114-SW01-F CH-SWSD116-SW01 CH-SWSD116-SW01-F CH-SWSD117-SW01 CH-SWSD117-SW01-F CH-SWSD118-SW01 CH-SWSD118-SW01-F

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
CH-SWSD046-SW01(Initial/TOT)	CHROMIUM	0.99 ug/l	4.0U ug/l
CH-SWSD046-SW01(Initial/TOT)	NICKEL	1.7 ug/l	4.0U ug/l
CH-SWSD047-SW01(Initial/TOT)	CHROMIUM	1.0 ug/l	4.0U ug/l
CH-SWSD047-SW01(Initial/TOT)	NICKEL	2.1 ug/l	4.0U ug/l
CH-SWSD048-SW01(Initial/TOT)	CHROMIUM	1.0 ug/l	4.0U ug/l

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Method Blank Outlier Report

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**
Matrix: **WATER**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
CH-SWSD048-SW01(Initial/TOT)	NICKEL	1.7 ug/l	4.0U ug/l
CH-SWSD050-SW01(Initial/TOT)	CHROMIUM	1.0 ug/l	4.0U ug/l
CH-SWSD050-SW01(Initial/TOT)	NICKEL	2.2 ug/l	4.0U ug/l
CH-SWSD051-SW01(Initial/TOT)	CHROMIUM	1.1 ug/l	4.0U ug/l
CH-SWSD051-SW01(Initial/TOT)	ZINC	4.4 ug/l	30.0U ug/l
CH-SWSD052-SW01(Initial/TOT)	CHROMIUM	0.91 ug/l	4.0U ug/l
CH-SWSD052-SW01(Initial/TOT)	ZINC	3.6 ug/l	30.0U ug/l
CH-SWSD056-SW01(Initial/TOT)	CHROMIUM	0.99 ug/l	4.0U ug/l
CH-SWSD056-SW01(Initial/TOT)	ZINC	11.0 ug/l	30.0U ug/l
CH-SWSD057-SW01(Initial/TOT)	CHROMIUM	1.1 ug/l	4.0U ug/l
CH-SWSD057-SW01(Initial/TOT)	ZINC	11.4 ug/l	30.0U ug/l
CH-SWSD058-SW01(Initial/TOT)	CHROMIUM	1.5 ug/l	4.0U ug/l
CH-SWSD058-SW01(Initial/TOT)	ZINC	9.7 ug/l	30.0U ug/l
CH-SWSD059-SW01(Initial/TOT)	CHROMIUM	0.97 ug/l	4.0U ug/l
CH-SWSD059-SW01(Initial/TOT)	ZINC	11.9 ug/l	30.0U ug/l
CH-SWSD060-SW01(Initial/TOT)	CHROMIUM	1.7 ug/l	4.0U ug/l
CH-SWSD060-SW01(Initial/TOT)	ZINC	15.2 ug/l	30.0U ug/l
CH-SWSD060-SW01D(Initial/TOT)	CHROMIUM	1.3 ug/l	4.0U ug/l
CH-SWSD060-SW01D(Initial/TOT)	ZINC	12.5 ug/l	30.0U ug/l
CH-SWSD061-SW01(Initial/TOT)	CHROMIUM	1.1 ug/l	4.0U ug/l
CH-SWSD061-SW01(Initial/TOT)	ZINC	11.0 ug/l	30.0U ug/l
CH-SWSD062-SW01(Initial/TOT)	CHROMIUM	1.0 ug/l	4.0U ug/l
CH-SWSD062-SW01(Initial/TOT)	ZINC	9.6 ug/l	30.0U ug/l
CH-SWSD063-SW01(Initial/TOT)	CHROMIUM	1.0 ug/l	4.0U ug/l
CH-SWSD063-SW01(Initial/TOT)	ZINC	13.6 ug/l	30.0U ug/l
CH-SWSD064-SW01(Initial/TOT)	CHROMIUM	0.99 ug/l	4.0U ug/l
CH-SWSD064-SW01(Initial/TOT)	ZINC	12.9 ug/l	30.0U ug/l
CH-SWSD065-SW01(Initial/TOT)	CHROMIUM	1.1 ug/l	4.0U ug/l
CH-SWSD065-SW01(Initial/TOT)	ZINC	22.0 ug/l	30.0U ug/l
CH-SWSD065-SW01D(Initial/TOT)	CHROMIUM	0.87 ug/l	4.0U ug/l
CH-SWSD065-SW01D(Initial/TOT)	ZINC	12.1 ug/l	30.0U ug/l
CH-SWSD069-SW01(Initial/TOT)	CHROMIUM	2.0 ug/l	4.0U ug/l
CH-SWSD072-SW01(Initial/TOT)	CHROMIUM	1.1 ug/l	4.0U ug/l
CH-SWSD072-SW01-F(Initial/DIS)	CHROMIUM	0.96 ug/l	4.0U ug/l
CH-SWSD072-SW01-F(Initial/DIS)	ZINC	22.1 ug/l	30.0U ug/l
CH-SWSD076-SW01(Initial/TOT)	CHROMIUM	0.95 ug/l	4.0U ug/l
CH-SWSD076-SW01(Initial/TOT)	ZINC	17.5 ug/l	30.0U ug/l

Method Blank Outlier Report

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**
Matrix: **WATER**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
CH-SWSD077-SW01(Initial/TOT)	CHROMIUM	1.1 ug/l	4.0U ug/l
CH-SWSD077-SW01(Initial/TOT)	ZINC	17.9 ug/l	30.0U ug/l
CH-SWSD078-SW01(Initial/TOT)	CHROMIUM	1.0 ug/l	4.0U ug/l
CH-SWSD113-SW01(Initial/TOT)	CHROMIUM	2.2 ug/l	4.0U ug/l
CH-SWSD113-SW01(Initial/TOT)	NICKEL	4.4 ug/l	4.4U ug/l
CH-SWSD114-SW01(Initial/TOT)	CHROMIUM	2.2 ug/l	4.0U ug/l
CH-SWSD114-SW01(Initial/TOT)	NICKEL	4.2 ug/l	4.2U ug/l
CH-SWSD114-SW01-F(Initial/DIS)	CHROMIUM	1.9 ug/l	4.0U ug/l
CH-SWSD114-SW01-F(Initial/DIS)	NICKEL	4.5 ug/l	4.5U ug/l
CH-SWSD116-SW01-F(Initial/DIS)	CHROMIUM	1.1 ug/l	4.0U ug/l
CH-SWSD116-SW01-F(Initial/DIS)	NICKEL	3.0 ug/l	4.0U ug/l
CH-SWSD117-SW01(Initial/TOT)	CHROMIUM	1.5 ug/l	4.0U ug/l
CH-SWSD117-SW01(Initial/TOT)	NICKEL	2.3 ug/l	4.0U ug/l
CH-SWSD117-SW01-F(Initial/DIS)	CHROMIUM	1.1 ug/l	4.0U ug/l
CH-SWSD117-SW01-F(Initial/DIS)	NICKEL	1.9 ug/l	4.0U ug/l
CH-SWSD118-SW01-F(Initial/DIS)	CHROMIUM	0.65 ug/l	4.0U ug/l
EB-060317-01(Initial/TOT)	SODIUM	90.2 ug/l	400U ug/l

Method: **8270D**
Matrix: **WATER**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
PLKWM15B157WAM026	6/14/2017 9:32:00 AM	BENZOIC ACID	9.4 ug/l	CH-SWSD051-SW01 CH-SWSD052-SW01 CH-SWSD056-SW01 CH-SWSD057-SW01 CH-SWSD058-SW01 CH-SWSD059-SW01 CH-SWSD060-SW01 CH-SWSD060-SW01D CH-SWSD061-SW01 CH-SWSD062-SW01 CH-SWSD063-SW01 CH-SWSD064-SW01 CH-SWSD065-SW01 CH-SWSD065-SW01D CH-SWSD069-SW01 CH-SWSD072-SW01 CH-SWSD072-SW01-F CH-SWSD076-SW01 CH-SWSD077-SW01 CH-SWSD078-SW01

Method Blank Outlier Report

Lab Reporting Batch ID: APP22 **Laboratory: LLL**

EDD Filename: APP22-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D**
Matrix: **WATER**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
CH-SWSD058-SW01(Initial/TOT)	BENZOIC ACID	9.3 ug/l	15U ug/l
CH-SWSD069-SW01(Initial/TOT)	BENZOIC ACID	10 ug/l	16U ug/l
CH-SWSD072-SW01(Initial/TOT)	BENZOIC ACID	10 ug/l	17U ug/l
CH-SWSD072-SW01-F(Initial/DIS)	BENZOIC ACID	10 ug/l	16U ug/l
CH-SWSD076-SW01(Initial/TOT)	BENZOIC ACID	9.7 ug/l	16U ug/l
CH-SWSD078-SW01(Initial/TOT)	BENZOIC ACID	9.6 ug/l	15U ug/l

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Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page	1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.		
Laboratory SDG:	APP23		
Date(s) of Collection:	June 5th – 6th, 2017		
Number/Type Samples & Analyses:	31 sediment samples plus 1 MS/MSD and 5 duplicates for a project-specific list of SVOCs, hexavalent chromium, and metals		
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA		
Completed:	November 21, 2017		

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for sediment data included in Sample Delivery Group (SDG) APP23. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017.

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✓ Holding times and sample preservation

✗ Laboratory method blank data

✓ Field rinsate blank data

NA Trip blank data

✗ Laboratory control sample (LCS) recoveries

✗ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✓ Surrogate recoveries

✗ Laboratory duplicate results

✗ Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of "J" data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

Several analytes were over calibration in method 8270D in samples CH-SWSD090-SE01 (fluoranthene, phenanthrene, and pyrene), CH-SWSD091-SE01 (fluoranthene, phenanthrene, and pyrene), CH-SWSD093-SE01 (anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, phenanthrene, and pyrene), CH-SWSD084-SE01 (fluoranthene and pyrene). The samples were diluted and re-analyzed. All results will be presented in the undiluted except for the analytes that were over calibration.

This data package was revised 11/9/2017 due to the Eurofins SW6020A metals data breach. The majority of the data changes were made to Quality Control (QC) and/or calibration checks, not to actual sample results. The few field sample result changes were due to the originally reported result exceeding the linear calibration range of the instrument; those results were changed to be slightly lower than the upper limit of the calibration range.

In this package, the calcium LCS percent recovery was lower and the percent recovery in low level check standard for calcium was not within QC specification. Only qualifiers for calcium changed.

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Validation Area	*Note*
Technical Holding Times	A
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	SR
Surrogate/Tracer Spikes	A
Matrix Spike/Matrix Spike Duplicates	SR
Laboratory Duplicates	SR
Laboratory Replicates	N
Laboratory Control Samples	SR
Compound Quantitation	SR
Field Duplicates	SR
Field Triplicates	N
Field Blanks	A

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: GENCHEM

Method: 9060A **Matrix: SEDIMENT**

Sample ID: CH-SWSD045-SE01 **Collected:** 6/6/2017 8:35:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TOTAL ORGANIC CARBON (TOC)	37900		4070	LOD	4070	LOQ	mg/kg	J	Fd

Sample ID: CH-SWSD045-SE01D **Collected:** 6/6/2017 8:35:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TOTAL ORGANIC CARBON (TOC)	21300		4910	LOD	4910	LOQ	mg/kg	J	Fd

Sample ID: CH-SWSD082-SE01 **Collected:** 6/5/2017 3:30:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TOTAL ORGANIC CARBON (TOC)	26300		3680	LOD	3680	LOQ	mg/kg	J	Ld

Sample ID: CH-SWSD090-SE01 **Collected:** 6/5/2017 12:00:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TOTAL ORGANIC CARBON (TOC)	10800		1950	LOD	1950	LOQ	mg/kg	J	Ld

Method Category: METALS

Method: 6020A **Matrix: SEDIMENT**

Sample ID: CH-SWSD031-SE01 **Collected:** 6/6/2017 2:50:00 PM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0888	J	0.178	LOD	0.357	LOQ	mg/kg	J	RI
CALCIUM	1340		71.3	LOD	143	LOQ	mg/kg	J-	Lcs
SELENIUM	0.601	J	0.357	LOD	1.43	LOQ	mg/kg	J	RI
THALLIUM	0.0895	J	0.0892	LOD	0.357	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD032-SE01 **Collected:** 6/6/2017 2:18:00 PM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.350	J	0.472	LOD	0.944	LOQ	mg/kg	J	RI
CALCIUM	6430		94.4	LOD	189	LOQ	mg/kg	J-	Lcs

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SEDIMENT

Sample ID: CH-SWSD032-SE01 **Collected:** 6/6/2017 2:18:00 PM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	1.26	J	0.472	LOD	1.89	LOQ	mg/kg	J	RI
THALLIUM	0.126	J	0.118	LOD	0.472	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD032-SE01 **Collected:** 6/6/2017 2:18:00 PM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SILVER	0.0892	J	0.118	LOD	0.472	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD033-SE01 **Collected:** 6/6/2017 1:50:00 PM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.274	J	0.179	LOD	0.357	LOQ	mg/kg	J	RI
CALCIUM	2540		71.5	LOD	143	LOQ	mg/kg	J-	Lcs
SELENIUM	0.545	J	0.357	LOD	1.43	LOQ	mg/kg	J	RI
THALLIUM	0.129	J	0.0893	LOD	0.357	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD033-SE01 **Collected:** 6/6/2017 1:50:00 PM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SILVER	0.0554	J	0.0893	LOD	0.357	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD034-SE01 **Collected:** 6/6/2017 12:50:00 PM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.442	J	0.257	LOD	0.513	LOQ	mg/kg	J	RI
CALCIUM	5080		103	LOD	205	LOQ	mg/kg	J-	Lcs
SELENIUM	1.17	J	0.513	LOD	2.05	LOQ	mg/kg	J	RI
THALLIUM	0.192	J	0.128	LOD	0.513	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD034-SE01 **Collected:** 6/6/2017 12:50:00 PM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SILVER	0.114	J	0.128	LOD	0.513	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SEDIMENT

Sample ID: CH-SWSD035-SE01 **Collected:** 6/6/2017 11:50:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	2.53	J	1.33	LOD	2.66	LOQ	mg/kg	J	Rl
CADMIUM	0.410	J	0.333	LOD	0.666	LOQ	mg/kg	J	Rl, Fd
CALCIUM	5450		133	LOD	266	LOQ	mg/kg	J-	Lcs
SELENIUM	1.38	J	0.666	LOD	2.66	LOQ	mg/kg	J	Rl
SILVER	0.0819	J	0.167	LOD	0.666	LOQ	mg/kg	J	Rl
THALLIUM	0.198	J	0.167	LOD	0.666	LOQ	mg/kg	J	Rl

Sample ID: CH-SWSD035-SE01D **Collected:** 6/6/2017 11:50:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	2.22	J	1.13	LOD	2.27	LOQ	mg/kg	J	Rl
CADMIUM	0.607		0.284	LOD	0.567	LOQ	mg/kg	J	Fd
CALCIUM	5770		113	LOD	227	LOQ	mg/kg	J-	Lcs
SELENIUM	1.31	J	0.567	LOD	2.27	LOQ	mg/kg	J	Rl
SILVER	0.0840	J	0.142	LOD	0.567	LOQ	mg/kg	J	Rl
THALLIUM	0.174	J	0.142	LOD	0.567	LOQ	mg/kg	J	Rl

Sample ID: CH-SWSD036-SE01 **Collected:** 6/6/2017 11:25:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.135	J	0.167	LOD	0.334	LOQ	mg/kg	J	Rl
CALCIUM	1380		66.8	LOD	134	LOQ	mg/kg	J-	Lcs
SELENIUM	0.293	J	0.334	LOD	1.34	LOQ	mg/kg	J	Rl
SILVER	0.0444	J	0.0835	LOD	0.334	LOQ	mg/kg	J	Rl
THALLIUM	0.0651	J	0.0835	LOD	0.334	LOQ	mg/kg	J	Rl

Sample ID: CH-SWSD037-SE01 **Collected:** 6/6/2017 11:10:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0790	J	0.110	LOD	0.221	LOQ	mg/kg	J	Rl
CALCIUM	1330		44.1	LOD	88.2	LOQ	mg/kg	J-	Lcs
SELENIUM	0.279	J	0.221	LOD	0.882	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SEDIMENT

Sample ID: CH-SWSD037-SE01 **Collected:** 6/6/2017 11:10:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.127	J	0.0551	LOD	0.221	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD038-SE01 **Collected:** 6/6/2017 10:45:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0945	J	0.133	LOD	0.265	LOQ	mg/kg	J	RI
CALCIUM	1110		53.1	LOD	106	LOQ	mg/kg	J-	Lcs
SELENIUM	0.322	J	0.265	LOD	1.06	LOQ	mg/kg	J	RI
THALLIUM	0.121	J	0.0663	LOD	0.265	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD039-SE01 **Collected:** 6/6/2017 10:20:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	3.52	J	2.13	LOD	4.26	LOQ	mg/kg	J	RI
CADMIUM	0.243	J	0.533	LOD	1.07	LOQ	mg/kg	J	RI
CALCIUM	4610		213	LOD	426	LOQ	mg/kg	J-	Lcs
SELENIUM	1.70	J	1.07	LOD	4.26	LOQ	mg/kg	J	RI
THALLIUM	0.302	J	0.266	LOD	1.07	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD040-SE01 **Collected:** 6/6/2017 10:05:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.368	J	0.333	LOD	0.666	LOQ	mg/kg	J	RI
CALCIUM	3480		133	LOD	266	LOQ	mg/kg	J-	Lcs
SELENIUM	1.38	J	0.666	LOD	2.66	LOQ	mg/kg	J	RI
THALLIUM	0.245	J	0.166	LOD	0.666	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD040-SE01 **Collected:** 6/6/2017 10:05:00 AM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SILVER	0.0919	J	0.166	LOD	0.666	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SEDIMENT

Sample ID: CH-SWSD041-SE01 **Collected:** 6/6/2017 9:50:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	1.23	J	0.632	LOD	1.26	LOQ	mg/kg	J	Rl
CADMIUM	0.255	J	0.316	LOD	0.632	LOQ	mg/kg	J	Rl
CALCIUM	2630		126	LOD	253	LOQ	mg/kg	J-	Lcs
SELENIUM	0.930	J	0.632	LOD	2.53	LOQ	mg/kg	J	Rl
THALLIUM	0.178	J	0.158	LOD	0.632	LOQ	mg/kg	J	Rl

Sample ID: CH-SWSD042-SE01 **Collected:** 6/6/2017 9:30:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.130	J	0.163	LOD	0.325	LOQ	mg/kg	J	Rl
CALCIUM	1170		65.0	LOD	130	LOQ	mg/kg	J-	Lcs
SELENIUM	0.325	J	0.325	LOD	1.30	LOQ	mg/kg	J	Rl
THALLIUM	0.0715	J	0.0813	LOD	0.325	LOQ	mg/kg	J	Rl

Sample ID: CH-SWSD043-SE01 **Collected:** 6/6/2017 9:15:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0971	J	0.183	LOD	0.367	LOQ	mg/kg	J	Rl
SELENIUM	0.442	J	0.367	LOD	1.47	LOQ	mg/kg	J	Rl
SILVER	0.0550	J	0.0916	LOD	0.367	LOQ	mg/kg	J	Rl
SODIUM	133	J	36.7	LOD	147	LOQ	mg/kg	J	Rl
THALLIUM	0.0872	J	0.0916	LOD	0.367	LOQ	mg/kg	J	Rl

Sample ID: CH-SWSD044-SE01 **Collected:** 6/6/2017 8:55:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	11200		19.4	LOD	77.8	LOQ	mg/kg	J	Ms, Ms, Ms
ARSENIC	2.20		0.778	LOD	1.56	LOQ	mg/kg	J+	Ms
BARIUM	61.4		0.778	LOD	1.56	LOQ	mg/kg	J	Ms, Ms, Ms
CADMIUM	0.190	J	0.194	LOD	0.389	LOQ	mg/kg	J	Rl
COPPER	10.2		0.389	LOD	1.56	LOQ	mg/kg	J+	Ms
IRON	9270		38.9	LOD	77.8	LOQ	mg/kg	J	Ms, Ms, Ms

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SEDIMENT

Sample ID: CH-SWSD044-SE01 **Collected:** 6/6/2017 8:55:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
LEAD	12.4		0.0972	LOD	0.778	LOQ	mg/kg	J	Ms, Ms
MAGNESIUM	2380		19.4	LOD	77.8	LOQ	mg/kg	J	Ms, Ms, Ms
MANGANESE	151		0.389	LOD	1.56	LOQ	mg/kg	J	Ms, Ms, Ms
POTASSIUM	1270		38.9	LOD	156	LOQ	mg/kg	J	Ms
SELENIUM	0.575	J	0.389	LOD	1.56	LOQ	mg/kg	J	Rl
THALLIUM	0.120	J	0.0972	LOD	0.389	LOQ	mg/kg	J	Rl
VANADIUM	25.2		0.194	LOD	0.389	LOQ	mg/kg	J	Ms, Ms, Ms
ZINC	34.6		5.83	LOD	11.7	LOQ	mg/kg	J+	Ms

Sample ID: CH-SWSD044-SE01 **Collected:** 6/6/2017 8:55:00 AM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	1700		77.8	LOD	156	LOQ	mg/kg	J	Ms, Ms, Ms, Lcs
CHROMIUM	14.5		0.389	LOD	1.56	LOQ	mg/kg	J	Ms, Ms, Ms
SILVER	0.0540	J	0.0972	LOD	0.389	LOQ	mg/kg	J	Rl, Ld

Sample ID: CH-SWSD045-SE01 **Collected:** 6/6/2017 8:35:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.95		0.583	LOD	1.17	LOQ	mg/kg	J	Fd
CADMIUM	0.183	J	0.146	LOD	0.292	LOQ	mg/kg	J	Rl
SELENIUM	0.453	J	0.292	LOD	1.17	LOQ	mg/kg	J	Rl
THALLIUM	0.135	J	0.0729	LOD	0.292	LOQ	mg/kg	J	Rl

Sample ID: CH-SWSD045-SE01 **Collected:** 6/6/2017 8:35:00 AM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	1110		58.3	LOD	117	LOQ	mg/kg	J-	Lcs
SILVER	0.0729	J	0.0729	LOD	0.292	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD045-SE01D** ***Collected:*** **6/6/2017 8:35:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.42		0.591	LOD	1.18	LOQ	mg/kg	J	Fd
CADMIUM	0.165	J	0.148	LOD	0.295	LOQ	mg/kg	J	Rl
SELENIUM	0.394	J	0.295	LOD	1.18	LOQ	mg/kg	J	Rl
THALLIUM	0.105	J	0.0738	LOD	0.295	LOQ	mg/kg	J	Rl

Sample ID: **CH-SWSD045-SE01D** ***Collected:*** **6/6/2017 8:35:00 AM** ***Analysis Type:*** **Reanalysis-01/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	1060		59.1	LOD	118	LOQ	mg/kg	J-	Lcs
SILVER	0.0715	J	0.0738	LOD	0.295	LOQ	mg/kg	J	Rl

Sample ID: **CH-SWSD080-SE01** ***Collected:*** **6/5/2017 4:30:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.534	J	0.488	LOD	0.977	LOQ	mg/kg	J	Rl
BERYLLIUM	0.0982	J	0.0610	LOD	0.244	LOQ	mg/kg	J	Rl
CADMIUM	0.0493	J	0.122	LOD	0.244	LOQ	mg/kg	J	Rl
COPPER	0.925	J	0.244	LOD	0.977	LOQ	mg/kg	J	Rl, Fd
LEAD	1.49		0.0610	LOD	0.488	LOQ	mg/kg	J	Fd
NICKEL	1.18		0.244	LOD	0.977	LOQ	mg/kg	J	Fd
ZINC	4.54	J	3.66	LOD	7.32	LOQ	mg/kg	J	Rl, Fd

Sample ID: **CH-SWSD080-SE01** ***Collected:*** **6/5/2017 4:30:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	273		48.8	LOD	97.7	LOQ	mg/kg	J	Fd
VANADIUM	2.57		0.122	LOD	0.244	LOQ	mg/kg	J	Fd

Sample ID: **CH-SWSD080-SE01D** ***Collected:*** **6/5/2017 4:30:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.705	J	0.493	LOD	0.986	LOQ	mg/kg	J	Rl
BERYLLIUM	0.131	J	0.0616	LOD	0.246	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SEDIMENT

Sample ID: CH-SWSD080-SE01D **Collected:** 6/5/2017 4:30:00 PM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0495	J	0.123	LOD	0.246	LOQ	mg/kg	J	Rl
COPPER	1.53		0.246	LOD	0.986	LOQ	mg/kg	J	Fd
LEAD	2.09		0.0616	LOD	0.493	LOQ	mg/kg	J	Fd
NICKEL	1.73		0.246	LOD	0.986	LOQ	mg/kg	J	Fd
ZINC	6.35	J	3.70	LOD	7.39	LOQ	mg/kg	J	Rl, Fd

Sample ID: CH-SWSD080-SE01D **Collected:** 6/5/2017 4:30:00 PM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	380		49.3	LOD	98.6	LOQ	mg/kg	J	Fd
VANADIUM	3.78		0.123	LOD	0.246	LOQ	mg/kg	J	Fd

Sample ID: CH-SWSD081-SE01 **Collected:** 6/5/2017 4:00:00 PM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.572	J	0.637	LOD	1.27	LOQ	mg/kg	J	Rl
BERYLLIUM	0.264	J	0.0796	LOD	0.318	LOQ	mg/kg	J	Rl
CADMIUM	0.0694	J	0.159	LOD	0.318	LOQ	mg/kg	J	Rl
SELENIUM	0.165	J	0.318	LOD	1.27	LOQ	mg/kg	J	Rl

Sample ID: CH-SWSD082-SE01 **Collected:** 6/5/2017 3:30:00 PM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.01	J	0.681	LOD	1.36	LOQ	mg/kg	J	Rl
BERYLLIUM	0.286	J	0.0851	LOD	0.340	LOQ	mg/kg	J	Rl
SELENIUM	0.395	J	0.340	LOD	1.36	LOQ	mg/kg	J	Rl
ZINC	8.90	J	5.11	LOD	10.2	LOQ	mg/kg	J	Rl

Sample ID: CH-SWSD083-SE01 **Collected:** 6/5/2017 3:10:00 PM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.957	J	0.609	LOD	1.22	LOQ	mg/kg	J	Rl
BERYLLIUM	0.231	J	0.0761	LOD	0.304	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD083-SE01** ***Collected:*** **6/5/2017 3:10:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.279	J	0.304	LOD	1.22	LOQ	mg/kg	J	Rl
THALLIUM	0.0621	J	0.0761	LOD	0.304	LOQ	mg/kg	J	Rl

Sample ID: **CH-SWSD084-SE01** ***Collected:*** **6/5/2017 2:50:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.900	J	0.498	LOD	0.996	LOQ	mg/kg	J	Rl
BERYLLIUM	0.134	J	0.0623	LOD	0.249	LOQ	mg/kg	J	Rl
SELENIUM	0.134	J	0.249	LOD	0.996	LOQ	mg/kg	J	Rl
SODIUM	76.3	J	24.9	LOD	99.6	LOQ	mg/kg	J	Rl

Sample ID: **CH-SWSD085-SE01** ***Collected:*** **6/5/2017 2:20:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.510	J	0.537	LOD	1.07	LOQ	mg/kg	J	Rl, Fd
BERYLLIUM	0.121	J	0.0672	LOD	0.269	LOQ	mg/kg	J	Rl, Fd
COPPER	2.25		0.269	LOD	1.07	LOQ	mg/kg	J	Fd
IRON	1930		26.9	LOD	53.7	LOQ	mg/kg	J	Fd
LEAD	3.15		0.0672	LOD	0.537	LOQ	mg/kg	J	Fd
MAGNESIUM	517		13.4	LOD	53.7	LOQ	mg/kg	J	Fd
MANGANESE	30.5		0.269	LOD	1.07	LOQ	mg/kg	J	Fd
SELENIUM	0.133	J	0.269	LOD	1.07	LOQ	mg/kg	J	Rl, Fd
SODIUM	97.8	J	26.9	LOD	107	LOQ	mg/kg	J	Rl
THALLIUM	0.0672	U	0.0672	LOD	0.269	LOQ	mg/kg	UJ	Fd
ZINC	7.22	J	4.03	LOD	8.06	LOQ	mg/kg	J	Rl, Fd

Sample ID: **CH-SWSD085-SE01D** ***Collected:*** **6/5/2017 2:20:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.723	J	0.405	LOD	0.811	LOQ	mg/kg	J	Rl, Fd
BERYLLIUM	0.173	J	0.0507	LOD	0.203	LOQ	mg/kg	J	Rl, Fd
COPPER	4.21		0.203	LOD	0.811	LOQ	mg/kg	J	Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD085-SE01D** ***Collected:*** **6/5/2017 2:20:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
IRON	2690		20.3	LOD	40.5	LOQ	mg/kg	J	Fd
LEAD	4.61		0.0507	LOD	0.405	LOQ	mg/kg	J	Fd
MAGNESIUM	738		10.1	LOD	40.5	LOQ	mg/kg	J	Fd
MANGANESE	45.7		0.203	LOD	0.811	LOQ	mg/kg	J	Fd
SELENIUM	0.200	J	0.203	LOD	0.811	LOQ	mg/kg	J	Rl, Fd
SODIUM	80.0	J	20.3	LOD	81.1	LOQ	mg/kg	J	Rl
THALLIUM	0.0474	J	0.0507	LOD	0.203	LOQ	mg/kg	J	Rl, Fd
ZINC	12.2		3.04	LOD	6.08	LOQ	mg/kg	J	Fd

Sample ID: **CH-SWSD086-SE01** ***Collected:*** **6/5/2017 2:05:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.243	J	0.208	LOD	0.832	LOQ	mg/kg	J	Rl
SODIUM	65.5	J	20.8	LOD	83.2	LOQ	mg/kg	J	Rl
THALLIUM	0.0676	J	0.0520	LOD	0.208	LOQ	mg/kg	J	Rl

Sample ID: **CH-SWSD087-SE01** ***Collected:*** **6/5/2017 1:45:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.131	J	0.0534	LOD	0.214	LOQ	mg/kg	J	Rl
SELENIUM	0.143	J	0.214	LOD	0.854	LOQ	mg/kg	J	Rl
SODIUM	73.8	J	21.4	LOD	85.4	LOQ	mg/kg	J	Rl
THALLIUM	0.0478	J	0.0534	LOD	0.214	LOQ	mg/kg	J	Rl

Sample ID: **CH-SWSD088-SE01** ***Collected:*** **6/5/2017 10:15:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.616	J	0.560	LOD	1.12	LOQ	mg/kg	J	Rl
BERYLLIUM	0.0824	J	0.0700	LOD	0.280	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD089-SE01** ***Collected:*** **6/5/2017 1:05:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.55	J	1.08	LOD	2.16	LOQ	mg/kg	J	Rl
BERYLLIUM	0.335	J	0.135	LOD	0.540	LOQ	mg/kg	J	Rl
CADMIUM	0.133	J	0.270	LOD	0.540	LOQ	mg/kg	J	Rl
SELENIUM	0.418	J	0.540	LOD	2.16	LOQ	mg/kg	J	Rl
THALLIUM	0.0837	J	0.135	LOD	0.540	LOQ	mg/kg	J	Rl

Sample ID: **CH-SWSD090-SE01** ***Collected:*** **6/5/2017 12:00:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	2900		13.4	LOD	53.5	LOQ	mg/kg	J	Ms, Ms
ARSENIC	0.537	J	0.535	LOD	1.07	LOQ	mg/kg	J	Rl, Ld
BERYLLIUM	0.111	J	0.0669	LOD	0.268	LOQ	mg/kg	J	Rl, Ms
CADMIUM	0.134	U	0.134	LOD	0.268	LOQ	mg/kg	UJ	Ms, Ld
COBALT	0.520		0.134	LOD	0.268	LOQ	mg/kg	J	Ms, Ld
COPPER	6.23		0.268	LOD	1.07	LOQ	mg/kg	J	Ms, Ld
IRON	1790		26.8	LOD	53.5	LOQ	mg/kg	J	Ms, Ld
LEAD	5.18		0.0669	LOD	0.535	LOQ	mg/kg	J	Ms, Ld
MAGNESIUM	440		13.4	LOD	53.5	LOQ	mg/kg	J	Ms, Ld
MANGANESE	28.7		0.268	LOD	1.07	LOQ	mg/kg	J	Ms, Ld
NICKEL	1.95		0.268	LOD	1.07	LOQ	mg/kg	J	Ms, Ld
POTASSIUM	338		26.8	LOD	107	LOQ	mg/kg	J	Ms
SELENIUM	0.158	J	0.268	LOD	1.07	LOQ	mg/kg	J	Rl, Ms, Ld
SILVER	0.0669	U	0.0669	LOD	0.268	LOQ	mg/kg	UJ	Ms
SODIUM	109		26.8	LOD	107	LOQ	mg/kg	J	Ms, Ld
THALLIUM	0.0669	U	0.0669	LOD	0.268	LOQ	mg/kg	UJ	Ms
ZINC	4.57	J	4.02	LOD	8.03	LOQ	mg/kg	J	Rl, Ms, Ms, Ld

Sample ID: **CH-SWSD090-SE01** ***Collected:*** **6/5/2017 12:00:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.268	U	0.268	LOD	0.535	LOQ	mg/kg	UJ	Ms
CALCIUM	288		53.5	LOD	107	LOQ	mg/kg	J	Ld

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SEDIMENT

Sample ID: CH-SWSD090-SE01 **Collected:** 6/5/2017 12:00:00 PM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
VANADIUM	4.63		0.134	LOD	0.268	LOQ	mg/kg	J	Ms, Ld

Sample ID: CH-SWSD091-SE01 **Collected:** 6/5/2017 11:45:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.566	J	0.614	LOD	1.23	LOQ	mg/kg	J	RI
BERYLLIUM	0.181	J	0.0768	LOD	0.307	LOQ	mg/kg	J	RI
CADMIUM	0.0596	J	0.154	LOD	0.307	LOQ	mg/kg	J	RI
SELENIUM	0.140	J	0.307	LOD	1.23	LOQ	mg/kg	J	RI
ZINC	8.19	J	4.61	LOD	9.21	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD092-SE01 **Collected:** 6/5/2017 11:30:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.772	J	0.533	LOD	1.07	LOQ	mg/kg	J	RI
BERYLLIUM	0.0850	J	0.0666	LOD	0.266	LOQ	mg/kg	J	RI
ZINC	6.11	J	3.99	LOD	7.99	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD093-SE01 **Collected:** 6/5/2017 11:00:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.976	J	0.583	LOD	1.17	LOQ	mg/kg	J	RI
BERYLLIUM	0.0982	J	0.0728	LOD	0.291	LOQ	mg/kg	J	RI
ZINC	6.55	J	4.37	LOD	8.74	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD094-SE01 **Collected:** 6/5/2017 10:10:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.829	J	0.511	LOD	1.02	LOQ	mg/kg	J	RI
BERYLLIUM	0.132	J	0.0639	LOD	0.256	LOQ	mg/kg	J	RI
SODIUM	90.3	J	25.6	LOD	102	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix: SEDIMENT**

Sample ID: CH-SWSD095-SE01 **Collected:** 6/5/2017 9:35:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.839	J	0.714	LOD	1.43	LOQ	mg/kg	J	Rl
BERYLLIUM	0.187	J	0.0892	LOD	0.357	LOQ	mg/kg	J	Rl
CADMIUM	0.0817	J	0.178	LOD	0.357	LOQ	mg/kg	J	Rl, Fd
COPPER	4.20		0.357	LOD	1.43	LOQ	mg/kg	J	Fd
IRON	2650		35.7	LOD	71.4	LOQ	mg/kg	J	Fd
SELENIUM	0.168	J	0.357	LOD	1.43	LOQ	mg/kg	J	Rl

Sample ID: CH-SWSD095-SE01D **Collected:** 6/5/2017 9:35:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.893	J	0.587	LOD	1.17	LOQ	mg/kg	J	Rl
BERYLLIUM	0.163	J	0.0734	LOD	0.294	LOQ	mg/kg	J	Rl
CADMIUM	0.147	U	0.147	LOD	0.294	LOQ	mg/kg	UJ	Fd
COPPER	3.01		0.294	LOD	1.17	LOQ	mg/kg	J	Fd
IRON	1910		29.4	LOD	58.7	LOQ	mg/kg	J	Fd
SELENIUM	0.153	J	0.294	LOD	1.17	LOQ	mg/kg	J	Rl

Method Category: METALS

Method: 7199 **Matrix: SEDIMENT**

Sample ID: CH-SWSD080-SE01 **Collected:** 6/5/2017 4:30:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Hexavalent Chromium [Cr (VI)]	0.80		0.62	LOD	0.62	LOQ	mg/kg	J	Fd

Sample ID: CH-SWSD080-SE01D **Collected:** 6/5/2017 4:30:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Hexavalent Chromium [Cr (VI)]	0.63	U	0.63	LOD	0.63	LOQ	mg/kg	UJ	Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7199 **Matrix: SEDIMENT**

Sample ID: CH-SWSD090-SE01 **Collected:** 6/5/2017 12:00:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Hexavalent Chromium [Cr (VI)]	1.4		0.58	LOD	0.58	LOQ	mg/kg	J	Ms, Ld

Method Category: METALS

Method: 7471B **Matrix: SEDIMENT**

Sample ID: CH-SWSD031-SE01 **Collected:** 6/6/2017 2:50:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0242	J	0.0318	LOD	0.191	LOQ	mg/kg	J	Rl

Sample ID: CH-SWSD032-SE01 **Collected:** 6/6/2017 2:18:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.107	J	0.0446	LOD	0.268	LOQ	mg/kg	J	Rl

Sample ID: CH-SWSD033-SE01 **Collected:** 6/6/2017 1:50:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0506	J	0.0313	LOD	0.188	LOQ	mg/kg	J	Rl

Sample ID: CH-SWSD034-SE01 **Collected:** 6/6/2017 12:50:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.104	J	0.0526	LOD	0.315	LOQ	mg/kg	J	Rl

Sample ID: CH-SWSD035-SE01 **Collected:** 6/6/2017 11:50:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.144	J	0.0698	LOD	0.419	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7471B **Matrix:** SEDIMENT

Sample ID: CH-SWSD035-SE01D **Collected:** 6/6/2017 11:50:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.119	J	0.0625	LOD	0.375	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD036-SE01 **Collected:** 6/6/2017 11:25:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0411	J	0.0408	LOD	0.245	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD037-SE01 **Collected:** 6/6/2017 11:10:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0317	J	0.0239	LOD	0.143	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD038-SE01 **Collected:** 6/6/2017 10:45:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0345	J	0.0261	LOD	0.157	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD039-SE01 **Collected:** 6/6/2017 10:20:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.169	J	0.0849	LOD	0.510	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD040-SE01 **Collected:** 6/6/2017 10:05:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.148	J	0.0745	LOD	0.447	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD041-SE01 **Collected:** 6/6/2017 9:50:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.107	J	0.0585	LOD	0.351	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7471B **Matrix:** SEDIMENT

Sample ID: CH-SWSD042-SE01 **Collected:** 6/6/2017 9:30:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0324	J	0.0341	LOD	0.204	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD043-SE01 **Collected:** 6/6/2017 9:15:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0724	J	0.0367	LOD	0.220	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD044-SE01 **Collected:** 6/6/2017 8:55:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0534	J	0.0437	LOD	0.262	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD045-SE01 **Collected:** 6/6/2017 8:35:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0673	J	0.0334	LOD	0.200	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD045-SE01D **Collected:** 6/6/2017 8:35:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0513	J	0.0344	LOD	0.206	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD082-SE01 **Collected:** 6/5/2017 3:30:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0283	J	0.0302	LOD	0.181	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD083-SE01 **Collected:** 6/5/2017 3:10:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0243	J	0.0277	LOD	0.166	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7471B **Matrix:** SEDIMENT

Sample ID: CH-SWSD085-SE01 **Collected:** 6/5/2017 2:20:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0188	J	0.0226	LOD	0.136	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD085-SE01D **Collected:** 6/5/2017 2:20:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0149	J	0.0226	LOD	0.135	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD086-SE01 **Collected:** 6/5/2017 2:05:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0153	J	0.0227	LOD	0.136	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD087-SE01 **Collected:** 6/5/2017 1:45:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0151	J	0.0215	LOD	0.129	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD089-SE01 **Collected:** 6/5/2017 1:05:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0654	J	0.0481	LOD	0.288	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD090-SE01 **Collected:** 6/5/2017 12:00:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0250	J	0.0240	LOD	0.144	LOQ	mg/kg	J	RI, Ld

Sample ID: CH-SWSD093-SE01 **Collected:** 6/5/2017 11:00:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0235	J	0.0275	LOD	0.165	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7471B **Matrix: SEDIMENT**

Sample ID: CH-SWSD094-SE01 **Collected:** 6/5/2017 10:10:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0211	J	0.0260	LOD	0.156	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD095-SE01 **Collected:** 6/5/2017 9:35:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0227	J	0.0311	LOD	0.186	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD095-SE01D **Collected:** 6/5/2017 9:35:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0181	J	0.0282	LOD	0.169	LOQ	mg/kg	J	RI

Method Category: METALS

Method: Calculation **Matrix: SEDIMENT**

Sample ID: CH-SWSD080-SE01 **Collected:** 6/5/2017 4:30:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	1.2		0.62	LOD	0.98	LOQ	mg/kg	J	Fd

Sample ID: CH-SWSD080-SE01D **Collected:** 6/5/2017 4:30:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	2.6		0.63	LOD	0.99	LOQ	mg/kg	J	Fd

Method Category: SVOA

Method: 8270D **Matrix: SEDIMENT**

Sample ID: CH-SWSD032-SE01 **Collected:** 6/6/2017 2:18:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.012	J	0.019	LOD	0.048	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD032-SE01 **Collected:** 6/6/2017 2:18:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.013	J	0.019	LOD	0.048	LOQ	mg/kg	J	RI
ACENAPHTHENE	0.033	J	0.019	LOD	0.048	LOQ	mg/kg	J	RI
NAPHTHALENE	0.026	J	0.019	LOD	0.048	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD033-SE01 **Collected:** 6/6/2017 1:50:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.01	J	0.013	LOD	0.034	LOQ	mg/kg	J	RI
2-METHYLNAPHTHALENE	0.007	J	0.013	LOD	0.034	LOQ	mg/kg	J	RI
ACENAPHTHENE	0.028	J	0.013	LOD	0.034	LOQ	mg/kg	J	RI
CARBAZOLE	0.063	J	0.067	LOD	0.067	LOQ	mg/kg	J	RI
FLUORENE	0.022	J	0.013	LOD	0.034	LOQ	mg/kg	J	RI
NAPHTHALENE	0.023	J	0.013	LOD	0.034	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD034-SE01 **Collected:** 6/6/2017 12:50:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.023	J	0.022	LOD	0.056	LOQ	mg/kg	J	RI
2-METHYLNAPHTHALENE	0.024	J	0.022	LOD	0.056	LOQ	mg/kg	J	RI
ACENAPHTHENE	0.029	J	0.022	LOD	0.056	LOQ	mg/kg	J	RI
CARBAZOLE	0.057	J	0.11	LOD	0.11	LOQ	mg/kg	J	RI
FLUORENE	0.028	J	0.022	LOD	0.056	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD035-SE01 **Collected:** 6/6/2017 11:50:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.054	J	0.029	LOD	0.073	LOQ	mg/kg	J	RI
2-METHYLNAPHTHALENE	0.062	J	0.029	LOD	0.073	LOQ	mg/kg	J	RI, Fd
BENZ(A)ANTHRACENE	0.39		0.029	LOD	0.073	LOQ	mg/kg	J	Fd
BENZO(A)PYRENE	0.30		0.029	LOD	0.073	LOQ	mg/kg	J	Fd
BENZO(B)FLUORANTHENE	0.80		0.029	LOD	0.073	LOQ	mg/kg	J	Fd
BENZO(K)FLUORANTHENE	0.29		0.029	LOD	0.073	LOQ	mg/kg	J	Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD035-SE01 **Collected:** 6/6/2017 11:50:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBAZOLE	0.073	J	0.14	LOD	0.14	LOQ	mg/kg	J	Rl
CHRYSENE	0.57		0.029	LOD	0.073	LOQ	mg/kg	J	Fd
DIBENZO(A,H)ANTHRACENE	0.071	J	0.029	LOD	0.073	LOQ	mg/kg	J	Rl
DIBENZOFURAN	0.072	J	0.14	LOD	0.14	LOQ	mg/kg	J	Rl
FLUORANTHENE	0.61		0.029	LOD	0.073	LOQ	mg/kg	J	Fd
INDENO(1,2,3-CD)PYRENE	0.22		0.029	LOD	0.073	LOQ	mg/kg	J	Fd
NAPHTHALENE	0.29		0.029	LOD	0.073	LOQ	mg/kg	J	Fd
PYRENE	0.63		0.029	LOD	0.073	LOQ	mg/kg	J	Fd

Sample ID: CH-SWSD035-SE01D **Collected:** 6/6/2017 11:50:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.050	J	0.027	LOD	0.068	LOQ	mg/kg	J	Rl
2-METHYLNAPHTHALENE	0.036	J	0.027	LOD	0.068	LOQ	mg/kg	J	Rl, Fd
BENZ(A)ANTHRACENE	0.55		0.027	LOD	0.068	LOQ	mg/kg	J	Fd
BENZO(A)PYRENE	0.43		0.027	LOD	0.068	LOQ	mg/kg	J	Fd
BENZO(B)FLUORANTHENE	1.1		0.027	LOD	0.068	LOQ	mg/kg	J	Fd
BENZO(K)FLUORANTHENE	0.45		0.027	LOD	0.068	LOQ	mg/kg	J	Fd
CARBAZOLE	0.094	J	0.13	LOD	0.13	LOQ	mg/kg	J	Rl
CHRYSENE	0.83		0.027	LOD	0.068	LOQ	mg/kg	J	Fd
DIBENZOFURAN	0.067	J	0.13	LOD	0.13	LOQ	mg/kg	J	Rl
FLUORANTHENE	0.87		0.027	LOD	0.068	LOQ	mg/kg	J	Fd
INDENO(1,2,3-CD)PYRENE	0.31		0.027	LOD	0.068	LOQ	mg/kg	J	Fd
NAPHTHALENE	0.21		0.027	LOD	0.068	LOQ	mg/kg	J	Fd
PYRENE	0.93		0.027	LOD	0.068	LOQ	mg/kg	J	Fd

Sample ID: CH-SWSD037-SE01 **Collected:** 6/6/2017 11:10:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	J	0.01	LOD	0.025	LOQ	mg/kg	J	Rl
2-METHYLNAPHTHALENE	0.009	J	0.01	LOD	0.025	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix: SEDIMENT**

Sample ID: CH-SWSD039-SE01 **Collected:** 6/6/2017 10:20:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DIBENZOFURAN	0.16	J	0.18	LOD	0.18	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD042-SE01 **Collected:** 6/6/2017 9:30:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DIBENZOFURAN	0.070	J	0.071	LOD	0.071	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD043-SE01 **Collected:** 6/6/2017 9:15:00 AM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.54	J	1.1	LOD	1.1	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD043-SE01 **Collected:** 6/6/2017 9:15:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.036	J	0.015	LOD	0.038	LOQ	mg/kg	J	RI
DIBENZOFURAN	0.065	J	0.075	LOD	0.075	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD044-SE01 **Collected:** 6/6/2017 8:55:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.014	J	0.017	LOD	0.044	LOQ	mg/kg	J	RI
2-METHYLNAPHTHALENE	0.018	J	0.017	LOD	0.044	LOQ	mg/kg	J	RI
CARBAZOLE	0.077	J	0.086	LOD	0.086	LOQ	mg/kg	J	RI
NAPHTHALENE	0.033	J	0.017	LOD	0.044	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD045-SE01 **Collected:** 6/6/2017 8:35:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.018	J	0.014	LOD	0.035	LOQ	mg/kg	J	RI, Fd
2-METHYLNAPHTHALENE	0.025	J	0.014	LOD	0.035	LOQ	mg/kg	J	RI, Fd
ACENAPHTHENE	0.087		0.014	LOD	0.035	LOQ	mg/kg	J	Fd
ACENAPHTHYLENE	0.24		0.014	LOD	0.035	LOQ	mg/kg	J	Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD045-SE01 **Collected:** 6/6/2017 8:35:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Benzo (g,h,i) perylene	1.0		0.014	LOD	0.035	LOQ	mg/kg	J	Fd
BENZO(A)PYRENE	2.0		0.014	LOD	0.035	LOQ	mg/kg	J	Fd
CARBAZOLE	0.25		0.069	LOD	0.069	LOQ	mg/kg	J	Fd
DIBENZO(A,H)ANTHRACENE	0.33		0.014	LOD	0.035	LOQ	mg/kg	J	Fd
DIBENZOFURAN	0.048	J	0.069	LOD	0.069	LOQ	mg/kg	J	Rl, Fd
FLUORANTHENE	3.7		0.014	LOD	0.035	LOQ	mg/kg	J	Fd
INDENO(1,2,3-CD)PYRENE	1.1		0.014	LOD	0.035	LOQ	mg/kg	J	Fd
NAPHTHALENE	0.051		0.014	LOD	0.035	LOQ	mg/kg	J	Fd
PHENANTHRENE	1.1		0.014	LOD	0.035	LOQ	mg/kg	J	Fd
PYRENE	3.1		0.014	LOD	0.035	LOQ	mg/kg	J	Fd

Sample ID: CH-SWSD045-SE01D **Collected:** 6/6/2017 8:35:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.032	J	0.014	LOD	0.036	LOQ	mg/kg	J	Rl, Fd
2-METHYLNAPHTHALENE	0.043		0.014	LOD	0.036	LOQ	mg/kg	J	Fd
ACENAPHTHENE	0.14		0.014	LOD	0.036	LOQ	mg/kg	J	Fd
ACENAPHTHYLENE	0.49		0.014	LOD	0.036	LOQ	mg/kg	J	Fd
Benzo (g,h,i) perylene	0.71		0.014	LOD	0.036	LOQ	mg/kg	J	Fd
BENZO(A)PYRENE	1.2		0.014	LOD	0.036	LOQ	mg/kg	J	Fd
CARBAZOLE	0.45		0.070	LOD	0.070	LOQ	mg/kg	J	Fd
DIBENZO(A,H)ANTHRACENE	0.22		0.014	LOD	0.036	LOQ	mg/kg	J	Fd
DIBENZOFURAN	0.072		0.070	LOD	0.070	LOQ	mg/kg	J	Fd
FLUORANTHENE	6.4		0.014	LOD	0.036	LOQ	mg/kg	J	Fd
INDENO(1,2,3-CD)PYRENE	0.76		0.014	LOD	0.036	LOQ	mg/kg	J	Fd
NAPHTHALENE	0.10		0.014	LOD	0.036	LOQ	mg/kg	J	Fd
PHENANTHRENE	1.5		0.014	LOD	0.036	LOQ	mg/kg	J	Fd
PYRENE	4.6		0.014	LOD	0.036	LOQ	mg/kg	J	Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix: SEDIMENT**

Sample ID: CH-SWSD080-SE01 **Collected:** 6/5/2017 4:30:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.13		0.052	LOD	0.052	LOQ	mg/kg	J	Fd

Sample ID: CH-SWSD080-SE01 **Collected:** 6/5/2017 4:30:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.24		0.010	LOD	0.027	LOQ	mg/kg	J	Fd
2-METHYLNAPHTHALENE	0.54		0.010	LOD	0.027	LOQ	mg/kg	J	Fd
ACENAPHTHENE	0.64		0.010	LOD	0.027	LOQ	mg/kg	J	Fd
DIBENZOFURAN	0.34		0.052	LOD	0.052	LOQ	mg/kg	J	Fd
FLUORENE	0.31		0.010	LOD	0.027	LOQ	mg/kg	J	Fd
PHENANTHRENE	0.37		0.010	LOD	0.027	LOQ	mg/kg	J	Fd

Sample ID: CH-SWSD080-SE01D **Collected:** 6/5/2017 4:30:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.20		0.053	LOD	0.053	LOQ	mg/kg	J	Fd

Sample ID: CH-SWSD080-SE01D **Collected:** 6/5/2017 4:30:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.34		0.011	LOD	0.027	LOQ	mg/kg	J	Fd
2-METHYLNAPHTHALENE	0.76		0.011	LOD	0.027	LOQ	mg/kg	J	Fd
ACENAPHTHENE	0.90		0.011	LOD	0.027	LOQ	mg/kg	J	Fd
DIBENZOFURAN	0.57		0.053	LOD	0.053	LOQ	mg/kg	J	Fd
FLUORENE	0.48		0.011	LOD	0.027	LOQ	mg/kg	J	Fd
PHENANTHRENE	0.53		0.011	LOD	0.027	LOQ	mg/kg	J	Fd

Sample ID: CH-SWSD081-SE01 **Collected:** 6/5/2017 4:00:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.022	J	0.012	LOD	0.031	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix: SEDIMENT**

Sample ID: CH-SWSD082-SE01 **Collected:** 6/5/2017 3:30:00 PM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.32	J	0.94	LOD	0.94	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD084-SE01 **Collected:** 6/5/2017 2:50:00 PM **Analysis Type:** Dilution-01/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.11	U	0.11	LOD	0.11	LOQ	mg/kg	NP	ProfJudg
2-Methylphenol (o-Cresol)	0.11	U	0.11	LOD	0.11	LOQ	mg/kg	NP	ProfJudg
4-Chloroaniline [p-Chloroaniline]	0.23	U	0.23	LOD	0.23	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD084-SE01 **Collected:** 6/5/2017 2:50:00 PM **Analysis Type:** Dilution-01/TOT-ACID **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.11	U	0.11	LOD	0.11	LOQ	mg/kg	NP	ProfJudg
4-CHLORO-3-METHYLPHENOL	0.11	U	0.11	LOD	0.11	LOQ	mg/kg	NP	ProfJudg
BENZOIC ACID	1.7	U	1.7	LOD	1.7	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD084-SE01 **Collected:** 6/5/2017 2:50:00 PM **Analysis Type:** Dilution-01/TOT-BASE/NEUTRAL **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	0.11	U	0.11	LOD	0.11	LOQ	mg/kg	NP	ProfJudg
1-METHYLNAPHTHALENE	0.018	J	0.023	LOD	0.058	LOQ	mg/kg	NP	RI, ProfJudg
2-CHLORONAPHTHALENE	0.045	U	0.045	LOD	0.11	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.022	J	0.023	LOD	0.058	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHENE	0.092		0.023	LOD	0.058	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.43		0.023	LOD	0.058	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.46		0.023	LOD	0.058	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	2.4		0.023	LOD	0.058	LOQ	mg/kg	NP	ProfJudg
BENZALDEHYDE	0.45	U	0.45	LOD	0.57	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.63		0.023	LOD	0.058	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	1.3		0.023	LOD	0.058	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	3.0		0.023	LOD	0.058	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	1.1		0.023	LOD	0.058	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD084-SE01 **Collected:** 6/5/2017 2:50:00 PM **Analysis Type:** Dilution-01/TOT-BASE/NEUTRAL **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BIS(2-ETHYLHEXYL) PHTHALATE	0.45	U	0.45	LOD	0.58	LOQ	mg/kg	NP	ProfJudg
Butyl benzyl phthalate	0.45	U	0.45	LOD	0.57	LOQ	mg/kg	NP	ProfJudg
CAPROLACTAM	0.45	U	0.45	LOD	0.57	LOQ	mg/kg	NP	ProfJudg
CARBAZOLE	0.21		0.11	LOD	0.11	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	3.5		0.023	LOD	0.058	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20		0.023	LOD	0.058	LOQ	mg/kg	NP	ProfJudg
DIBENZOFURAN	0.11	U	0.11	LOD	0.11	LOQ	mg/kg	NP	ProfJudg
DIETHYL PHTHALATE	0.45	U	0.45	LOD	0.57	LOQ	mg/kg	NP	ProfJudg
DIMETHYL PHTHALATE	0.45	U	0.45	LOD	0.57	LOQ	mg/kg	NP	ProfJudg
DI-N-BUTYL PHTHALATE	0.45	U	0.45	LOD	0.57	LOQ	mg/kg	NP	ProfJudg
DI-N-OCTYL PHTHALATE	0.45	U	0.45	LOD	0.57	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.097		0.023	LOD	0.058	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.69		0.023	LOD	0.058	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.038	J	0.023	LOD	0.058	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.59		0.023	LOD	0.058	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD084-SE01 **Collected:** 6/5/2017 2:50:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.019	J	0.011	LOD	0.029	LOQ	mg/kg	J	RI
2-METHYLNAPHTHALENE	0.023	J	0.011	LOD	0.029	LOQ	mg/kg	J	RI
DIBENZOFURAN	0.036	J	0.057	LOD	0.057	LOQ	mg/kg	J	RI
FLUORANTHENE	7.7	E	0.011	LOD	0.029	LOQ	mg/kg	NP	ProfJudg
PYRENE	6.9	E	0.011	LOD	0.029	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD085-SE01 **Collected:** 6/5/2017 2:20:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.045	U	0.045	LOD	0.045	LOQ	mg/kg	UJ	Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: **CH-SWSD085-SE01** ***Collected:*** **6/5/2017 2:20:00 PM** ***Analysis Type:*** **Initial/TOT-ACID** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.67	U	0.67	LOD	0.67	LOQ	mg/kg	UJ	Fd

Sample ID: **CH-SWSD085-SE01** ***Collected:*** **6/5/2017 2:20:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.080		0.009	LOD	0.023	LOQ	mg/kg	J	Fd
2-METHYLNAPHTHALENE	0.099		0.009	LOD	0.023	LOQ	mg/kg	J	Fd
ANTHRACENE	0.17		0.009	LOD	0.023	LOQ	mg/kg	J	Fd
BENZ(A)ANTHRACENE	0.49		0.009	LOD	0.023	LOQ	mg/kg	J	Fd
Benzo (g,h,i) perylene	0.26		0.009	LOD	0.023	LOQ	mg/kg	J	Fd
BENZO(A)PYRENE	0.45		0.009	LOD	0.023	LOQ	mg/kg	J	Fd
BENZO(B)FLUORANTHENE	0.70		0.009	LOD	0.023	LOQ	mg/kg	J	Fd
BENZO(K)FLUORANTHENE	0.29		0.009	LOD	0.023	LOQ	mg/kg	J	Fd
CHRYSENE	0.56		0.009	LOD	0.023	LOQ	mg/kg	J	Fd
DIBENZO(A,H)ANTHRACENE	0.086		0.009	LOD	0.023	LOQ	mg/kg	J	Fd
DIBENZOFURAN	0.041	J	0.045	LOD	0.045	LOQ	mg/kg	J	Rl, Fd
FLUORANTHENE	0.86		0.009	LOD	0.023	LOQ	mg/kg	J	Fd
INDENO(1,2,3-CD)PYRENE	0.26		0.009	LOD	0.023	LOQ	mg/kg	J	Fd
NAPHTHALENE	0.095		0.009	LOD	0.023	LOQ	mg/kg	J	Fd
PYRENE	0.75		0.009	LOD	0.023	LOQ	mg/kg	J	Fd

Sample ID: **CH-SWSD085-SE01D** ***Collected:*** **6/5/2017 2:20:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.029	J	0.046	LOD	0.046	LOQ	mg/kg	J	Rl, Fd

Sample ID: **CH-SWSD085-SE01D** ***Collected:*** **6/5/2017 2:20:00 PM** ***Analysis Type:*** **Initial/TOT-ACID** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.23	J	0.69	LOD	0.69	LOQ	mg/kg	J	Rl, Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD085-SE01D **Collected:** 6/5/2017 2:20:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.19		0.009	LOD	0.024	LOQ	mg/kg	J	Fd
2-METHYLNAPHTHALENE	0.21		0.009	LOD	0.024	LOQ	mg/kg	J	Fd
ANTHRACENE	0.10		0.009	LOD	0.024	LOQ	mg/kg	J	Fd
BENZ(A)ANTHRACENE	0.28		0.009	LOD	0.024	LOQ	mg/kg	J	Fd
Benzo (g,h,i) perylene	0.16		0.009	LOD	0.024	LOQ	mg/kg	J	Fd
BENZO(A)PYRENE	0.26		0.009	LOD	0.024	LOQ	mg/kg	J	Fd
BENZO(B)FLUORANTHENE	0.45		0.009	LOD	0.024	LOQ	mg/kg	J	Fd
BENZO(K)FLUORANTHENE	0.18		0.009	LOD	0.024	LOQ	mg/kg	J	Fd
CHRYSENE	0.33		0.009	LOD	0.024	LOQ	mg/kg	J	Fd
DIBENZO(A,H)ANTHRACENE	0.052		0.009	LOD	0.024	LOQ	mg/kg	J	Fd
DIBENZOFURAN	0.069		0.046	LOD	0.046	LOQ	mg/kg	J	Fd
FLUORANTHENE	0.51		0.009	LOD	0.024	LOQ	mg/kg	J	Fd
INDENO(1,2,3-CD)PYRENE	0.16		0.009	LOD	0.024	LOQ	mg/kg	J	Fd
NAPHTHALENE	0.18		0.009	LOD	0.024	LOQ	mg/kg	J	Fd
PYRENE	0.45		0.009	LOD	0.024	LOQ	mg/kg	J	Fd

Sample ID: CH-SWSD086-SE01 **Collected:** 6/5/2017 2:05:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.013	J	0.009	LOD	0.023	LOQ	mg/kg	J	Rl
2-METHYLNAPHTHALENE	0.014	J	0.009	LOD	0.023	LOQ	mg/kg	J	Rl
DIBENZOFURAN	0.044	J	0.045	LOD	0.045	LOQ	mg/kg	J	Rl

Sample ID: CH-SWSD089-SE01 **Collected:** 6/5/2017 1:05:00 PM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.53	J	1.5	LOD	1.5	LOQ	mg/kg	J	Rl

Sample ID: CH-SWSD090-SE01 **Collected:** 6/5/2017 12:00:00 PM **Analysis Type:** Dilution-01/TOT **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.25	U	0.25	LOD	0.25	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD090-SE01 **Collected:** 6/5/2017 12:00:00 PM **Analysis Type:** Dilution-01/TOT **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-Methylphenol (o-Cresol)	0.25	U	0.25	LOD	0.25	LOQ	mg/kg	NP	ProfJudg
4-Chloroaniline [p-Chloroaniline]	0.49	U	0.49	LOD	0.49	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD090-SE01 **Collected:** 6/5/2017 12:00:00 PM **Analysis Type:** Dilution-01/TOT-ACID **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.25	U	0.25	LOD	0.25	LOQ	mg/kg	NP	ProfJudg
4-CHLORO-3-METHYLPHENOL	0.25	U	0.25	LOD	0.25	LOQ	mg/kg	NP	ProfJudg
BENZOIC ACID	3.7	U	3.7	LOD	3.7	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD090-SE01 **Collected:** 6/5/2017 12:00:00 PM **Analysis Type:** Dilution-01/TOT-BASE/NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	0.25	U	0.25	LOD	0.25	LOQ	mg/kg	NP	ProfJudg
1-METHYLNAPHTHALENE	0.24		0.049	LOD	0.13	LOQ	mg/kg	NP	ProfJudg
2-CHLORONAPHTHALENE	0.098	U	0.098	LOD	0.24	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.22		0.049	LOD	0.13	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.37		0.049	LOD	0.13	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.43		0.049	LOD	0.13	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.54		0.049	LOD	0.13	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	2.2		0.049	LOD	0.13	LOQ	mg/kg	NP	Ms, ProfJudg
BENZALDEHYDE	0.98	U	0.98	LOD	1.2	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.74		0.049	LOD	0.13	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	1.3		0.049	LOD	0.13	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	3.2		0.049	LOD	0.13	LOQ	mg/kg	NP	Ms, ProfJudg
BENZO(K)FLUORANTHENE	1.4		0.049	LOD	0.13	LOQ	mg/kg	NP	ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	0.98	U	0.98	LOD	1.3	LOQ	mg/kg	NP	ProfJudg
Butyl benzyl phthalate	0.98	U	0.98	LOD	1.2	LOQ	mg/kg	NP	ProfJudg
CAPROLACTAM	0.98	U	0.98	LOD	1.2	LOQ	mg/kg	NP	ProfJudg
CARBAZOLE	0.81		0.25	LOD	0.25	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	4.0		0.049	LOD	0.13	LOQ	mg/kg	NP	Ms, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.23		0.049	LOD	0.13	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD090-SE01 **Collected:** 6/5/2017 12:00:00 PM **Analysis Type:** Dilution-01/TOT-BASE/NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DIBENZOFURAN	0.64		0.25	LOD	0.25	LOQ	mg/kg	NP	ProfJudg
DIETHYL PHTHALATE	0.98	U	0.98	LOD	1.2	LOQ	mg/kg	NP	ProfJudg
DIMETHYL PHTHALATE	0.98	U	0.98	LOD	1.2	LOQ	mg/kg	NP	ProfJudg
DI-N-BUTYL PHTHALATE	0.98	U	0.98	LOD	1.2	LOQ	mg/kg	NP	ProfJudg
DI-N-OCTYL PHTHALATE	0.98	U	0.98	LOD	1.2	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	14		0.049	LOD	0.13	LOQ	mg/kg	J-	Ms
FLUORENE	0.37		0.049	LOD	0.13	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.80		0.049	LOD	0.13	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.12	J	0.049	LOD	0.13	LOQ	mg/kg	NP	Rl, ProfJudg
PHENANTHRENE	8.2		0.049	LOD	0.13	LOQ	mg/kg	J-	Ms
PYRENE	8.6		0.049	LOD	0.13	LOQ	mg/kg	J-	Ms

Sample ID: CH-SWSD090-SE01 **Collected:** 6/5/2017 12:00:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	1.9		0.01	LOD	0.025	LOQ	mg/kg	J-	Ms
BENZO(B)FLUORANTHENE	3.0		0.01	LOD	0.025	LOQ	mg/kg	J-	Ms
CHRYSENE	3.8		0.01	LOD	0.025	LOQ	mg/kg	J-	Ms
FLUORANTHENE	11	E	0.01	LOD	0.025	LOQ	mg/kg	NP	Ms, ProfJudg
PHENANTHRENE	8.3	E	0.01	LOD	0.025	LOQ	mg/kg	NP	Ms, ProfJudg
PYRENE	8.5	E	0.01	LOD	0.025	LOQ	mg/kg	NP	Ms, ProfJudg

Sample ID: CH-SWSD091-SE01 **Collected:** 6/5/2017 11:45:00 AM **Analysis Type:** Dilution-01/TOT **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.26	U	0.26	LOD	0.26	LOQ	mg/kg	NP	ProfJudg
2-Methylphenol (o-Cresol)	0.26	U	0.26	LOD	0.26	LOQ	mg/kg	NP	ProfJudg
4-Chloroaniline [p-Chloroaniline]	0.51	U	0.51	LOD	0.51	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD091-SE01 **Collected:** 6/5/2017 11:45:00 AM **Analysis Type:** Dilution-01/TOT-ACID **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.26	U	0.26	LOD	0.26	LOQ	mg/kg	NP	ProfJudg
4-CHLORO-3-METHYLPHENOL	0.26	U	0.26	LOD	0.26	LOQ	mg/kg	NP	ProfJudg
BENZOIC ACID	3.9	U	3.9	LOD	3.9	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD091-SE01 **Collected:** 6/5/2017 11:45:00 AM **Analysis Type:** Dilution-01/TOT-BASE/NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	0.26	U	0.26	LOD	0.26	LOQ	mg/kg	NP	ProfJudg
1-METHYLNAPHTHALENE	0.12	J	0.051	LOD	0.13	LOQ	mg/kg	NP	RI, ProfJudg
2-CHLORONAPHTHALENE	0.10	U	0.10	LOD	0.25	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.096	J	0.051	LOD	0.13	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHENE	0.46		0.051	LOD	0.13	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.57		0.051	LOD	0.13	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.34		0.051	LOD	0.13	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	1.0		0.051	LOD	0.13	LOQ	mg/kg	NP	ProfJudg
BENZALDEHYDE	1.0	U	1.0	LOD	1.3	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.60		0.051	LOD	0.13	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.87		0.051	LOD	0.13	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	2.7		0.051	LOD	0.13	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	1.3		0.051	LOD	0.13	LOQ	mg/kg	NP	ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	1.0	U	1.0	LOD	1.3	LOQ	mg/kg	NP	ProfJudg
Butyl benzyl phthalate	1.0	U	1.0	LOD	1.3	LOQ	mg/kg	NP	ProfJudg
CAPROLACTAM	1.0	U	1.0	LOD	1.3	LOQ	mg/kg	NP	ProfJudg
CARBAZOLE	0.47		0.26	LOD	0.26	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	3.7		0.051	LOD	0.13	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.18		0.051	LOD	0.13	LOQ	mg/kg	NP	ProfJudg
DIBENZOFURAN	0.81		0.26	LOD	0.26	LOQ	mg/kg	NP	ProfJudg
DIETHYL PHTHALATE	1.0	U	1.0	LOD	1.3	LOQ	mg/kg	NP	ProfJudg
DIMETHYL PHTHALATE	1.0	U	1.0	LOD	1.3	LOQ	mg/kg	NP	ProfJudg
DI-N-BUTYL PHTHALATE	1.0	U	1.0	LOD	1.3	LOQ	mg/kg	NP	ProfJudg
DI-N-OCTYL PHTHALATE	1.0	U	1.0	LOD	1.3	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.90		0.051	LOD	0.13	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD091-SE01 **Collected:** 6/5/2017 11:45:00 AM **Analysis Type:** Dilution-01/TOT-BASE/NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
INDENO(1,2,3-CD)PYRENE	0.60		0.051	LOD	0.13	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.027	J	0.051	LOD	0.13	LOQ	mg/kg	NP	Rl, ProfJudg

Sample ID: CH-SWSD091-SE01 **Collected:** 6/5/2017 11:45:00 AM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.28	J	0.77	LOD	0.77	LOQ	mg/kg	J	Rl

Sample ID: CH-SWSD091-SE01 **Collected:** 6/5/2017 11:45:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORANTHENE	12	E	0.010	LOD	0.026	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	13	E	0.010	LOD	0.026	LOQ	mg/kg	NP	ProfJudg
PYRENE	9.3	E	0.010	LOD	0.026	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD092-SE01 **Collected:** 6/5/2017 11:30:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.015	J	0.011	LOD	0.028	LOQ	mg/kg	J	Rl
2-METHYLNAPHTHALENE	0.017	J	0.011	LOD	0.028	LOQ	mg/kg	J	Rl
DIBENZOFURAN	0.036	J	0.056	LOD	0.056	LOQ	mg/kg	J	Rl

Sample ID: CH-SWSD093-SE01 **Collected:** 6/5/2017 11:00:00 AM **Analysis Type:** Dilution-01/TOT **Dilution:** 10

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.81		0.55	LOD	0.55	LOQ	mg/kg	NP	ProfJudg
2-Methylphenol (o-Cresol)	0.55	U	0.55	LOD	0.55	LOQ	mg/kg	NP	ProfJudg
4-Chloroaniline [p-Chloroaniline]	1.1	U	1.1	LOD	1.1	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD093-SE01 **Collected:** 6/5/2017 11:00:00 AM **Analysis Type:** Dilution-01/TOT-ACID **Dilution:** 10

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.55	U	0.55	LOD	0.55	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD093-SE01 **Collected:** 6/5/2017 11:00:00 AM **Analysis Type:** Dilution-01/TOT-ACID **Dilution:** 10

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
4-CHLORO-3-METHYLPHENOL	0.55	U	0.55	LOD	0.55	LOQ	mg/kg	NP	ProfJudg
BENZOIC ACID	8.3	U	8.3	LOD	8.3	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD093-SE01 **Collected:** 6/5/2017 11:00:00 AM **Analysis Type:** Dilution-01/TOT-BASE/NEUTRAL **Dilution:** 10

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	0.55	U	0.55	LOD	0.55	LOQ	mg/kg	NP	ProfJudg
1-METHYLNAPHTHALENE	2.1		0.11	LOD	0.28	LOQ	mg/kg	NP	ProfJudg
2-CHLORONAPHTHALENE	0.22	U	0.22	LOD	0.55	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	2.6		0.11	LOD	0.28	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	6.6		0.11	LOD	0.28	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.29		0.11	LOD	0.28	LOQ	mg/kg	NP	ProfJudg
BENZALDEHYDE	2.2	U	2.2	LOD	2.8	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	6.8		0.11	LOD	0.28	LOQ	mg/kg	NP	ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	2.2	U	2.2	LOD	2.8	LOQ	mg/kg	NP	ProfJudg
Butyl benzyl phthalate	2.2	U	2.2	LOD	2.8	LOQ	mg/kg	NP	ProfJudg
CAPROLACTAM	2.2	U	2.2	LOD	2.8	LOQ	mg/kg	NP	ProfJudg
CARBAZOLE	5.6		0.55	LOD	0.55	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	2.3		0.11	LOD	0.28	LOQ	mg/kg	NP	ProfJudg
DIBENZOFURAN	5.6		0.55	LOD	0.55	LOQ	mg/kg	NP	ProfJudg
DIETHYL PHTHALATE	2.2	U	2.2	LOD	2.8	LOQ	mg/kg	NP	ProfJudg
DIMETHYL PHTHALATE	2.2	U	2.2	LOD	2.8	LOQ	mg/kg	NP	ProfJudg
DI-N-BUTYL PHTHALATE	2.2	U	2.2	LOD	2.8	LOQ	mg/kg	NP	ProfJudg
DI-N-OCTYL PHTHALATE	2.2	U	2.2	LOD	2.8	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	6.5		0.11	LOD	0.28	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD093-SE01 **Collected:** 6/5/2017 11:00:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	11	E	0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	16	E	0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	12	E	0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD093-SE01 **Collected:** 6/5/2017 11:00:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(B)FLUORANTHENE	16	E	0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	6.9	E	0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	15	E	0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	22	E	0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
FLUORENE	7.7	E	0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	6.9	E	0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	22	E	0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
PYRENE	22	E	0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD094-SE01 **Collected:** 6/5/2017 10:10:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DIBENZOFURAN	0.048	J	0.053	LOD	0.053	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD095-SE01 **Collected:** 6/5/2017 9:35:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.053		0.013	LOD	0.033	LOQ	mg/kg	J	Fd
2-METHYLNAPHTHALENE	0.054		0.013	LOD	0.033	LOQ	mg/kg	J	Fd
ACENAPHTHENE	0.079		0.013	LOD	0.033	LOQ	mg/kg	J	Fd
CARBAZOLE	0.17		0.064	LOD	0.064	LOQ	mg/kg	J	Fd
CHRYSENE	0.95		0.013	LOD	0.033	LOQ	mg/kg	J	Fd
DIBENZOFURAN	0.13		0.064	LOD	0.064	LOQ	mg/kg	J	Fd
FLUORANTHENE	2.0		0.013	LOD	0.033	LOQ	mg/kg	J	Fd
FLUORENE	0.088		0.013	LOD	0.033	LOQ	mg/kg	J	Fd
PHENANTHRENE	1.7		0.013	LOD	0.033	LOQ	mg/kg	J	Fd
PYRENE	1.5		0.013	LOD	0.033	LOQ	mg/kg	J	Fd

Sample ID: CH-SWSD095-SE01D **Collected:** 6/5/2017 9:35:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.018	J	0.012	LOD	0.030	LOQ	mg/kg	J	RI, Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD095-SE01D** ***Collected:*** **6/5/2017 9:35:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
2-METHYLNAPHTHALENE	0.022	J	0.012	LOD	0.030	LOQ	mg/kg	J	Rl, Fd
ACENAPHTHENE	0.047		0.012	LOD	0.030	LOQ	mg/kg	J	Fd
CARBAZOLE	0.084		0.060	LOD	0.060	LOQ	mg/kg	J	Fd
CHRYSENE	0.69		0.012	LOD	0.030	LOQ	mg/kg	J	Fd
DIBENZOFURAN	0.060	U	0.060	LOD	0.060	LOQ	mg/kg	UJ	Fd
FLUORANTHENE	0.99		0.012	LOD	0.030	LOQ	mg/kg	J	Fd
FLUORENE	0.052		0.012	LOD	0.030	LOQ	mg/kg	J	Fd
PHENANTHRENE	0.26		0.012	LOD	0.030	LOQ	mg/kg	J	Fd
PYRENE	0.88		0.012	LOD	0.030	LOQ	mg/kg	J	Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Reason Code Legend

Reason Code	*Description*
Fd	Field Duplicate Precision
Lcs	Laboratory Control Spike Lower Estimation
Lcs	Laboratory Control Spike Upper Estimation
Ld	Laboratory Duplicate Precision
Mb	Method Blank Contamination
Ms	Matrix Spike Lower Estimation
Ms	Matrix Spike Precision
Ms	Matrix Spike Upper Estimation
ProfJudg	Professional Judgment
Rl	Reporting Limit Trace Value

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SEDIMENT

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-SWSD090-SE01MS (Total) CH-SWSD090-SE01MSD (Total) (CH-SWSD090-SE01)	ALUMINUM ANTIMONY BERYLLIUM CADMIUM COBALT NICKEL POTASSIUM SELENIUM SILVER SODIUM THALLIUM ZINC	360 - - - - - - - - - - 195	130 - - - - - - - - - - 202	78.00-124.00 72.00-124.00 80.00-120.00 84.00-116.00 84.00-115.00 84.00-119.00 85.00-119.00 80.00-119.00 83.00-118.00 79.00-125.00 83.00-118.00 82.00-119.00	21 (20.00) 32 (20.00) 21 (20.00) 31 (20.00) 27 (20.00) 24 (20.00) 22 (20.00) 28 (20.00) 29 (20.00) 29 (20.00) 29 (20.00) 28 (20.00)	ALUMINUM ANTIMONY BERYLLIUM CADMIUM COBALT NICKEL POTASSIUM SELENIUM SILVER SODIUM THALLIUM ZINC	J (all detects) UJ (all non-detects)
CH-SWSD090-SE01MSD (Total) (CH-SWSD090-SE01)	COPPER LEAD	- -	83 56	84.00-119.00 84.00-118.00	- -	COPPER LEAD	J-(all detects) UJ(all non-detects)
CH-SWSD090-SE01MS (Total) CH-SWSD090-SE01MSD (Total) (CH-SWSD090-SE01)	IRON MAGNESIUM MANGANESE VANADIUM	807 154 325 139	792 - 202 120	81.00-124.00 80.00-123.00 85.00-116.00 82.00-116.00	- - - -	IRON MAGNESIUM MANGANESE VANADIUM	J+(all detects)
CH-SWSD044-SE01MS (Total) CH-SWSD044-SE01MSD (Total) (CH-SWSD044-SE01)	ALUMINUM BARIUM CALCIUM CHROMIUM IRON LEAD MAGNESIUM MANGANESE POTASSIUM VANADIUM	301 181 149 126 418 - 152 205 - 124	-285 35 61 82 -746 27 -4 -159 - 53	78.00-124.00 86.00-116.00 86.00-118.00 83.00-119.00 81.00-124.00 84.00-118.00 80.00-123.00 85.00-116.00 85.00-119.00 82.00-116.00	45 (20.00) 39 (20.00) 46 (20.00) 29 (20.00) 58 (20.00) 30 (20.00) 46 (20.00) 51 (20.00) 23 (20.00) 37 (20.00)	ALUMINUM BARIUM CALCIUM CHROMIUM IRON LEAD MAGNESIUM MANGANESE POTASSIUM VANADIUM	J(all detects) UJ(all non-detects)
CH-SWSD044-SE01MS (Total) CH-SWSD044-SE01MSD (Total) (CH-SWSD044-SE01)	ARSENIC COPPER ZINC	123 121 221	- - 202	82.00-118.00 84.00-119.00 82.00-119.00	- - -	ARSENIC COPPER ZINC	J+(all detects)

Method: 8270D
Matrix: SEDIMENT

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-SWSD090-SE01MSD (CH-SWSD090-SE01)	4-Chloroaniline [p-Chloroaniline]	-	-	17.00-106.00	40 (20.00)	4-Chloroaniline [p-Chloroaniline]	J(all detects)
CH-SWSD090-SE01MS CH-SWSD090-SE01MSD (CH-SWSD090-SE01)	BENZ(A)ANTHRACENE BENZO(B)FLUORANTHENE CHRYSENE FLUORANTHENE PHENANTHRENE PYRENE	35 0 -33 -415 -221 -217	37 0 -33 -416 -216 -218	49.00-126.00 45.00-132.00 50.00-124.00 50.00-127.00 50.00-121.00 47.00-127.00	- - - - - -	BENZ(A)ANTHRACENE BENZO(B)FLUORANTHENE CHRYSENE FLUORANTHENE PHENANTHRENE PYRENE	J-(all detects) UJ(all non-detects)
CH-SWSD041-SE01MSD (CH-SWSD041-SE01)	BENZALDEHYDE	-	-	10.00-93.00	46 (30.00)	BENZALDEHYDE	J(all detects)

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **7199**
Matrix: **SEDIMENT**

QC Sample ID (Associated Samples)	*Compound*	*MS %R*	*MSD %R*	*%R Limits*	*RPD (Limits)*	*Affected Compounds*	*Flag*
CH-SWSD090-SE01MS (Total) (CH-SWSD090-SE01)	Hexavalent Chromium [Cr (VI)]	82	-	84.00-110.00	-	Hexavalent Chromium [Cr (VI)]	J-(all detects) UJ(all non-detects)

Lab Duplicate Outlier Report

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 9060A
Matrix: SEDIMENT

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
CH-SWSD082-SE01DUP (CH-SWSD082-SE01)	TOTAL ORGANIC CARBON (TOC)	59	30.00	J (all detects) UJ (all non-detects)

Method: 6020A
Matrix: SEDIMENT

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
CH-SWSD044-SE01DUP (Total) (CH-SWSD044-SE01)	SILVER	200	20.00	J(all detects) UJ(all non-detects)

Method: 9060A
Matrix: SEDIMENT

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
CH-SWSD090-SE01DUP (CH-SWSD090-SE01)	TOTAL ORGANIC CARBON (TOC)	36	30.00	J(all detects) UJ(all non-detects)

Method: 6020A
Matrix: SEDIMENT

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
CH-SWSD090-SE01DUP (Total) (CH-SWSD090-SE01)	ARSENIC	21	20.00	
	CADMIUM	200	20.00	
	CALCIUM	36	20.00	
	COBALT	48	20.00	
	COPPER	32	20.00	
	IRON	49	20.00	
	LEAD	35	20.00	J(all detects)
	MAGNESIUM	44	20.00	UJ(all non-detects)
	MANGANESE	30	20.00	
	NICKEL	32	20.00	
	SELENIUM	200	20.00	
	SODIUM	41	20.00	
	VANADIUM	30	20.00	
	ZINC	39	20.00	

Method: 7199
Matrix: SEDIMENT

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
CH-SWSD090-SE01DUP (Total) (CH-SWSD090-SE01)	Hexavalent Chromium [Cr (VI)]	101	20.00	J(all detects) UJ(all non-detects)

Lab Duplicate Outlier Report

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 7471B
Matrix: SEDIMENT

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
CH-SWSD090-SE01DUP (Total) (CH-SWSD090-SE01)	MERCURY	33	20.00	J(all detects) UJ(all non-detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SEDIMENT

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD080-SE01 (Total)	CH-SWSD080-SE01D (Total)			
ALUMINUM	1510	1850	20	30.00	No Qualifiers Applied
ARSENIC	0.534	0.705	28	30.00	
BARIUM	11.1	12.6	13	30.00	
BERYLLIUM	0.0982	0.131	29	30.00	
CADMIUM	0.0493	0.0495	0	30.00	
CHROMIUM	2.01	2.62	26	30.00	
COBALT	0.409	0.514	23	30.00	
IRON	976	1140	16	30.00	
MAGNESIUM	292	369	23	30.00	
MANGANESE	20.1	22.1	9	30.00	
POTASSIUM	255	258	1	30.00	
SODIUM	129	110	16	30.00	
CALCIUM	273	380	33	30.00	J(all detects) UJ(all non-detects)
COPPER	0.925	1.53	49	30.00	
LEAD	1.49	2.09	34	30.00	
NICKEL	1.18	1.73	38	30.00	
VANADIUM	2.57	3.78	38	30.00	
ZINC	4.54	6.35	33	30.00	

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD045-SE01 (Total)	CH-SWSD045-SE01D (Total)			
ALUMINUM	9290	8340	11	30.00	No Qualifiers Applied
BARIUM	52.5	47.3	10	30.00	
BERYLLIUM	0.539	0.491	9	30.00	
CADMIUM	0.183	0.165	10	30.00	
CALCIUM	1110	1060	5	30.00	
CHROMIUM	12.5	11.7	7	30.00	
COBALT	3.05	2.59	16	30.00	
COPPER	9.05	8.02	12	30.00	
IRON	6220	5700	9	30.00	
LEAD	12.1	11.1	9	30.00	
MAGNESIUM	1980	1810	9	30.00	
MANGANESE	82.0	75.8	8	30.00	
NICKEL	7.29	6.58	10	30.00	
POTASSIUM	1150	1020	12	30.00	
SELENIUM	0.453	0.394	14	30.00	
SILVER	0.0729	0.0715	2	30.00	
SODIUM	148	142	4	30.00	
THALLIUM	0.135	0.105	25	30.00	
VANADIUM	18.7	17.2	8	30.00	
ZINC	28.0	26.0	7	30.00	
ARSENIC	1.95	1.42	31	30.00	J(all detects) UJ(all non-detects)

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD035-SE01 (Total)	CH-SWSD035-SE01D (Total)			

Field Duplicate RPD Report

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SEDIMENT

Analyte	CH-SWSD085-SE01 (Total)	CH-SWSD085-SE01D (Total)	Sample RPD	eQAPP RPD	Flag
ALUMINUM	14200	14800	4	30.00	
ARSENIC	2.53	2.22	13	30.00	
BARIUM	114	122	7	30.00	
BERYLLIUM	1.44	1.55	7	30.00	
CALCIUM	5450	5770	6	30.00	
CHROMIUM	21.3	17.3	21	30.00	
COBALT	7.75	8.03	4	30.00	
COPPER	19.6	21.6	10	30.00	
IRON	11800	11700	1	30.00	
LEAD	18.8	19.2	2	30.00	No Qualifiers Applied
MAGNESIUM	3280	3270	0	30.00	
MANGANESE	369	384	4	30.00	
NICKEL	13.6	14.2	4	30.00	
POTASSIUM	1840	1660	10	30.00	
SELENIUM	1.38	1.31	5	30.00	
SILVER	0.0819	0.0840	3	30.00	
SODIUM	331	315	5	30.00	
THALLIUM	0.198	0.174	13	30.00	
VANADIUM	31.0	29.4	5	30.00	
ZINC	63.2	68.8	8	30.00	
CADMIUM	0.410	0.607	39	30.00	J(all detects) UJ(all non-detects)

Analyte	Concentration (mg/kg) CH-SWSD085-SE01 (Total)	Concentration (mg/kg) CH-SWSD085-SE01D (Total)	Sample RPD	eQAPP RPD	Flag
ALUMINUM	2930	3870	28	30.00	
BARIUM	11.8	13.9	16	30.00	
CALCIUM	418	545	26	30.00	
CHROMIUM	4.06	5.35	27	30.00	
COBALT	0.750	0.980	27	30.00	No Qualifiers Applied
NICKEL	2.38	2.91	20	30.00	
POTASSIUM	401	479	18	30.00	
SODIUM	97.8	80.0	20	30.00	
VANADIUM	5.38	6.91	25	30.00	
ARSENIC	0.510	0.723	35	30.00	
BERYLLIUM	0.121	0.173	35	30.00	
COPPER	2.25	4.21	61	30.00	
IRON	1930	2690	33	30.00	
LEAD	3.15	4.61	38	30.00	J(all detects)
MAGNESIUM	517	738	35	30.00	UJ(all non-detects)
MANGANESE	30.5	45.7	40	30.00	
SELENIUM	0.133	0.200	40	30.00	
THALLIUM	0.269 U	0.0474	200	30.00	
ZINC	7.22	12.2	51	30.00	

Analyte	Concentration (mg/kg) CH-SWSD095-SE01 (Total)	Concentration (mg/kg) CH-SWSD095-SE01D (Total)	Sample RPD	eQAPP RPD	Flag

Field Duplicate RPD Report

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SEDIMENT

Analyte	CH-SWSD080-SE01 (Total)	CH-SWSD080-SE01D (Total)	Sample RPD	eQAPP RPD	Flag
ALUMINUM	3400	2970	14	30.00	No Qualifiers Applied
ARSENIC	0.839	0.893	6	30.00	
BARIUM	18.7	14.6	25	30.00	
BERYLLIUM	0.187	0.163	14	30.00	
CALCIUM	451	447	1	30.00	
CHROMIUM	3.93	3.89	1	30.00	
COBALT	0.740	0.815	10	30.00	
LEAD	3.93	3.39	15	30.00	
MAGNESIUM	688	538	24	30.00	
MANGANESE	31.3	32.2	3	30.00	
NICKEL	2.50	2.27	10	30.00	
POTASSIUM	471	364	26	30.00	
SELENIUM	0.168	0.153	9	30.00	
SODIUM	162	126	25	30.00	
VANADIUM	6.73	5.44	21	30.00	
ZINC	11.4	9.12	22	30.00	
CADMIUM	0.0817	0.294 U	200	30.00	J(all detects) UJ(all non-detects)
COPPER	4.20	3.01	33	30.00	
IRON	2650	1910	32	30.00	

Method: 7199
Matrix: SEDIMENT

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD080-SE01 (Total)	CH-SWSD080-SE01D (Total)			
Hexavalent Chromium [Cr (VI)]	0.80	0.63 U	200	30.00	J(all detects) UJ(all non-detects)

Method: 7471B
Matrix: SEDIMENT

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD045-SE01 (Total)	CH-SWSD045-SE01D (Total)			
MERCURY	0.0673	0.0513	27	30.00	No Qualifiers Applied

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD035-SE01 (Total)	CH-SWSD035-SE01D (Total)			
MERCURY	0.144	0.119	19	30.00	No Qualifiers Applied

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD085-SE01 (Total)	CH-SWSD085-SE01D (Total)			
MERCURY	0.0188	0.0149	23	30.00	No Qualifiers Applied

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD095-SE01 (Total)	CH-SWSD095-SE01D (Total)			
MERCURY	0.0227	0.0181	23	30.00	No Qualifiers Applied

Field Duplicate RPD Report

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D
Matrix: SEDIMENT

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD080-SE01	CH-SWSD080-SE01D			
ACENAPHTHYLENE	0.17	0.17	0	30.00	No Qualifiers Applied
ANTHRACENE	0.25	0.24	4	30.00	
BENZ(A)ANTHRACENE	0.76	0.62	20	30.00	
Benzo (g,h,i) perylene	0.28	0.25	11	30.00	
BENZO(A)PYRENE	0.48	0.42	13	30.00	
BENZO(B)FLUORANTHENE	1.2	1.1	9	30.00	
BENZO(K)FLUORANTHENE	0.42	0.40	5	30.00	
CARBAZOLE	0.14	0.18	25	30.00	
CHRYSENE	1.2	1.1	9	30.00	
DIBENZO(A,H)ANTHRACENE	0.089	0.081	9	30.00	
FLUORANTHENE	1.9	2.0	5	30.00	
INDENO(1,2,3-CD)PYRENE	0.30	0.27	11	30.00	
NAPHTHALENE	0.21	0.26	21	30.00	
PYRENE	1.6	1.6	0	30.00	
1,1-BIPHENYL	0.13	0.20	42	30.00	J(all detects) UJ(all non-detects)
1-METHYLNAPHTHALENE	0.24	0.34	34	30.00	
2-METHYLNAPHTHALENE	0.54	0.76	34	30.00	
ACENAPHTHENE	0.64	0.90	34	30.00	
DIBENZOFURAN	0.34	0.57	51	30.00	
FLUORENE	0.31	0.48	43	30.00	
PHENANTHRENE	0.37	0.53	36	30.00	

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD045-SE01	CH-SWSD045-SE01D			
ANTHRACENE	0.51	0.55	8	30.00	No Qualifiers Applied
BENZ(A)ANTHRACENE	2.1	1.6	27	30.00	
BENZO(B)FLUORANTHENE	3.1	2.8	10	30.00	
BENZO(K)FLUORANTHENE	1.4	1.2	15	30.00	
CHRYSENE	2.8	3.0	7	30.00	
FLUORENE	0.15	0.16	6	30.00	
1-METHYLNAPHTHALENE	0.018	0.032	56	30.00	J(all detects) UJ(all non-detects)
2-METHYLNAPHTHALENE	0.025	0.043	53	30.00	
ACENAPHTHENE	0.087	0.14	47	30.00	
ACENAPHTHYLENE	0.24	0.49	68	30.00	
Benzo (g,h,i) perylene	1.0	0.71	34	30.00	
BENZO(A)PYRENE	2.0	1.2	50	30.00	
CARBAZOLE	0.25	0.45	57	30.00	
DIBENZO(A,H)ANTHRACENE	0.33	0.22	40	30.00	
DIBENZOFURAN	0.048	0.072	40	30.00	
FLUORANTHENE	3.7	6.4	53	30.00	
INDENO(1,2,3-CD)PYRENE	1.1	0.76	37	30.00	
NAPHTHALENE	0.051	0.10	65	30.00	
PHENANTHRENE	1.1	1.5	31	30.00	
PYRENE	3.1	4.6	39	30.00	

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD095-SE01	CH-SWSD095-SE01D			

Field Duplicate RPD Report

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D
Matrix: SEDIMENT

ACENAPHTHYLENE	0.14	0.11	24	30.00	
ANTHRACENE	0.20	0.15	29	30.00	
BENZ(A)ANTHRACENE	0.49	0.45	9	30.00	
Benzo (g,h,i) perylene	0.27	0.22	20	30.00	
BENZO(A)PYRENE	0.40	0.35	13	30.00	
BENZO(B)FLUORANTHENE	0.96	0.83	15	30.00	No Qualifiers Applied
BENZO(K)FLUORANTHENE	0.36	0.30	18	30.00	
DIBENZO(A,H)ANTHRACENE	0.10	0.096	4	30.00	
INDENO(1,2,3-CD)PYRENE	0.28	0.23	20	30.00	
NAPHTHALENE	0.068	0.056	19	30.00	
1-METHYLNAPHTHALENE	0.053	0.018	99	30.00	
2-METHYLNAPHTHALENE	0.054	0.022	84	30.00	
ACENAPHTHENE	0.079	0.047	51	30.00	
CARBAZOLE	0.17	0.084	68	30.00	
CHRYSENE	0.95	0.69	32	30.00	J(all detects)
DIBENZOFURAN	0.13	0.060 U	200	30.00	UJ(all non-detects)
FLUORANTHENE	2.0	0.99	68	30.00	
FLUORENE	0.088	0.052	51	30.00	
PHENANTHRENE	1.7	0.26	147	30.00	
PYRENE	1.5	0.88	52	30.00	

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD035-SE01	CH-SWSD035-SE01D			
1-METHYLNAPHTHALENE	0.054	0.050	8	30.00	
ACENAPHTHENE	0.12	0.12	0	30.00	
ACENAPHTHYLENE	0.14	0.19	30	30.00	
ANTHRACENE	0.17	0.22	26	30.00	
Benzo (g,h,i) perylene	0.23	0.30	26	30.00	
CARBAZOLE	0.073	0.094	25	30.00	No Qualifiers Applied
DIBENZO(A,H)ANTHRACENE	0.071	0.094	28	30.00	
DIBENZOFURAN	0.072	0.067	7	30.00	
FLUORENE	0.084	0.091	8	30.00	
PHENANTHRENE	0.17	0.17	0	30.00	
2-METHYLNAPHTHALENE	0.062	0.036	53	30.00	
BENZ(A)ANTHRACENE	0.39	0.55	34	30.00	
BENZO(A)PYRENE	0.30	0.43	36	30.00	
BENZO(B)FLUORANTHENE	0.80	1.1	32	30.00	
BENZO(K)FLUORANTHENE	0.29	0.45	43	30.00	J(all detects)
CHRYSENE	0.57	0.83	37	30.00	UJ(all non-detects)
FLUORANTHENE	0.61	0.87	35	30.00	
INDENO(1,2,3-CD)PYRENE	0.22	0.31	34	30.00	
NAPHTHALENE	0.29	0.21	32	30.00	
PYRENE	0.63	0.93	38	30.00	

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD085-SE01	CH-SWSD085-SE01D			
ACENAPHTHENE	0.026	0.032	21	30.00	
ACENAPHTHYLENE	0.053	0.048	10	30.00	
CARBAZOLE	0.058	0.050	15	30.00	No Qualifiers Applied
FLUORENE	0.045	0.055	20	30.00	
PHENANTHRENE	0.39	0.35	11	30.00	

Field Duplicate RPD Report

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D
Matrix: SEDIMENT

1,1-BIPHENYL	0.045 U	0.029	200	30.00	J(all detects) UJ(all non-detects)
1-METHYLNAPHTHALENE	0.080	0.19	81	30.00	
2-METHYLNAPHTHALENE	0.099	0.21	72	30.00	
ANTHRACENE	0.17	0.10	52	30.00	
BENZ(A)ANTHRACENE	0.49	0.28	55	30.00	
Benzo (g,h,i) perylene	0.26	0.16	48	30.00	
BENZO(A)PYRENE	0.45	0.26	54	30.00	
BENZO(B)FLUORANTHENE	0.70	0.45	43	30.00	
BENZO(K)FLUORANTHENE	0.29	0.18	47	30.00	
BENZOIC ACID	0.67 U	0.23	200	30.00	
CHRYSENE	0.56	0.33	52	30.00	
DIBENZO(A,H)ANTHRACENE	0.086	0.052	49	30.00	
DIBENZOFURAN	0.041	0.069	51	30.00	
FLUORANTHENE	0.86	0.51	51	30.00	
INDENO(1,2,3-CD)PYRENE	0.26	0.16	48	30.00	
NAPHTHALENE	0.095	0.18	62	30.00	
PYRENE	0.75	0.45	50	30.00	

Method: 9045D
Matrix: SEDIMENT

Analyte	Concentration (pH Units)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD080-SE01	CH-SWSD080-SE01D			
PH	5.07	5.08	0	30.00	No Qualifiers Applied

Method: 9060A
Matrix: SEDIMENT

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD080-SE01	CH-SWSD080-SE01D			
TOTAL ORGANIC CARBON (TOC)	13500	11000	20	30.00	No Qualifiers Applied

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD045-SE01	CH-SWSD045-SE01D			
TOTAL ORGANIC CARBON (TOC)	37900	21300	56	30.00	J(all detects) UJ(all non-detects)

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD095-SE01	CH-SWSD095-SE01D			
TOTAL ORGANIC CARBON (TOC)	32300	24200	29	30.00	No Qualifiers Applied

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD035-SE01	CH-SWSD035-SE01D			
TOTAL ORGANIC CARBON (TOC)	124000	99300	22	30.00	No Qualifiers Applied

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD085-SE01	CH-SWSD085-SE01D			
TOTAL ORGANIC CARBON (TOC)	5550	6910	22	30.00	No Qualifiers Applied

Field Duplicate RPD Report

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: Calculation
Matrix: SEDIMENT

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD080-SE01 (Total)	CH-SWSD080-SE01D (Total)			
TRIVALENT CHROMIUM	1.2	2.6	74	20.00	J(all detects) UJ(all non-detects)

Method: D1498
Matrix: SEDIMENT

Analyte	Concentration (mV)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD080-SE01	CH-SWSD080-SE01D			
Oxidation Reduction Potential (ORP)	489	488	0	30.00	No Qualifiers Applied

Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SEDIMENT

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P15963HQ159063708 (Total) (CH-SWSD031-SE01 CH-SWSD032-SE01 CH-SWSD033-SE01 CH-SWSD034-SE01 CH-SWSD035-SE01 CH-SWSD035-SE01D CH-SWSD036-SE01 CH-SWSD037-SE01 CH-SWSD038-SE01 CH-SWSD039-SE01 CH-SWSD040-SE01 CH-SWSD041-SE01 CH-SWSD042-SE01 CH-SWSD044-SE01 CH-SWSD045-SE01 CH-SWSD045-SE01D)	CALCIUM	85	-	86.00-118.00	-	CALCIUM	J- (all detects) UJ (all non-detects)

Method: 8270D
Matrix: SEDIMENT

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P9LELCSQ159SLE026 (CH-SWSD043-SE01 CH-SWSD080-SE01 CH-SWSD080-SE01D CH-SWSD081-SE01 CH-SWSD082-SE01 CH-SWSD083-SE01 CH-SWSD084-SE01 CH-SWSD085-SE01 CH-SWSD085-SE01D CH-SWSD086-SE01 CH-SWSD087-SE01 CH-SWSD088-SE01 CH-SWSD089-SE01 CH-SWSD090-SE01 CH-SWSD091-SE01 CH-SWSD092-SE01 CH-SWSD093-SE01 CH-SWSD094-SE01 CH-SWSD095-SE01 CH-SWSD095-SE01D)	2-CHLORONAPHTHALENE	117	-	41.00-114.00	-	2-CHLORONAPHTHALENE	J+(all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: SEDIMENT

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD031-SE01	CADMIUM	J	0.0888	0.357	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.601	1.43	LOQ	mg/kg	
	THALLIUM	J	0.0895	0.357	LOQ	mg/kg	
CH-SWSD032-SE01	ANTIMONY	J	0.350	0.944	LOQ	mg/kg	J (all detects)
	SELENIUM	J	1.26	1.89	LOQ	mg/kg	
	SILVER	J	0.0892	0.472	LOQ	mg/kg	
	THALLIUM	J	0.126	0.472	LOQ	mg/kg	
CH-SWSD033-SE01	CADMIUM	J	0.274	0.357	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.545	1.43	LOQ	mg/kg	
	SILVER	J	0.0554	0.357	LOQ	mg/kg	
	THALLIUM	J	0.129	0.357	LOQ	mg/kg	
CH-SWSD034-SE01	CADMIUM	J	0.442	0.513	LOQ	mg/kg	J (all detects)
	SELENIUM	J	1.17	2.05	LOQ	mg/kg	
	SILVER	J	0.114	0.513	LOQ	mg/kg	
	THALLIUM	J	0.192	0.513	LOQ	mg/kg	
CH-SWSD035-SE01	ARSENIC	J	2.53	2.66	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.410	0.666	LOQ	mg/kg	
	SELENIUM	J	1.38	2.66	LOQ	mg/kg	
	SILVER	J	0.0819	0.666	LOQ	mg/kg	
	THALLIUM	J	0.198	0.666	LOQ	mg/kg	
CH-SWSD035-SE01D	ARSENIC	J	2.22	2.27	LOQ	mg/kg	J (all detects)
	SELENIUM	J	1.31	2.27	LOQ	mg/kg	
	SILVER	J	0.0840	0.567	LOQ	mg/kg	
	THALLIUM	J	0.174	0.567	LOQ	mg/kg	
CH-SWSD036-SE01	CADMIUM	J	0.135	0.334	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.293	1.34	LOQ	mg/kg	
	SILVER	J	0.0444	0.334	LOQ	mg/kg	
	THALLIUM	J	0.0651	0.334	LOQ	mg/kg	
CH-SWSD037-SE01	CADMIUM	J	0.0790	0.221	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.279	0.882	LOQ	mg/kg	
	THALLIUM	J	0.127	0.221	LOQ	mg/kg	
CH-SWSD038-SE01	CADMIUM	J	0.0945	0.265	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.322	1.06	LOQ	mg/kg	
	THALLIUM	J	0.121	0.265	LOQ	mg/kg	
CH-SWSD039-SE01	ARSENIC	J	3.52	4.26	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.243	1.07	LOQ	mg/kg	
	SELENIUM	J	1.70	4.26	LOQ	mg/kg	
	THALLIUM	J	0.302	1.07	LOQ	mg/kg	
CH-SWSD040-SE01	CADMIUM	J	0.368	0.666	LOQ	mg/kg	J (all detects)
	SELENIUM	J	1.38	2.66	LOQ	mg/kg	
	SILVER	J	0.0919	0.666	LOQ	mg/kg	
	THALLIUM	J	0.245	0.666	LOQ	mg/kg	
CH-SWSD041-SE01	ANTIMONY	J	1.23	1.26	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.255	0.632	LOQ	mg/kg	
	SELENIUM	J	0.930	2.53	LOQ	mg/kg	
	THALLIUM	J	0.178	0.632	LOQ	mg/kg	
CH-SWSD042-SE01	CADMIUM	J	0.130	0.325	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.325	1.30	LOQ	mg/kg	
	THALLIUM	J	0.0715	0.325	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: SEDIMENT

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD043-SE01	CADMIUM	J	0.0971	0.367	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.442	1.47	LOQ	mg/kg	
	SILVER	J	0.0550	0.367	LOQ	mg/kg	
	SODIUM	J	133	147	LOQ	mg/kg	
	THALLIUM	J	0.0872	0.367	LOQ	mg/kg	
CH-SWSD044-SE01	CADMIUM	J	0.190	0.389	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.575	1.56	LOQ	mg/kg	
	SILVER	J	0.0540	0.389	LOQ	mg/kg	
	THALLIUM	J	0.120	0.389	LOQ	mg/kg	
CH-SWSD045-SE01	CADMIUM	J	0.183	0.292	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.453	1.17	LOQ	mg/kg	
	SILVER	J	0.0729	0.292	LOQ	mg/kg	
	THALLIUM	J	0.135	0.292	LOQ	mg/kg	
CH-SWSD045-SE01D	CADMIUM	J	0.165	0.295	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.394	1.18	LOQ	mg/kg	
	SILVER	J	0.0715	0.295	LOQ	mg/kg	
	THALLIUM	J	0.105	0.295	LOQ	mg/kg	
CH-SWSD080-SE01	ARSENIC	J	0.534	0.977	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.0982	0.244	LOQ	mg/kg	
	CADMIUM	J	0.0493	0.244	LOQ	mg/kg	
	COPPER	J	0.925	0.977	LOQ	mg/kg	
	ZINC	J	4.54	7.32	LOQ	mg/kg	
CH-SWSD080-SE01D	ARSENIC	J	0.705	0.986	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.131	0.246	LOQ	mg/kg	
	CADMIUM	J	0.0495	0.246	LOQ	mg/kg	
	ZINC	J	6.35	7.39	LOQ	mg/kg	
CH-SWSD081-SE01	ARSENIC	J	0.572	1.27	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.264	0.318	LOQ	mg/kg	
	CADMIUM	J	0.0694	0.318	LOQ	mg/kg	
	SELENIUM	J	0.165	1.27	LOQ	mg/kg	
CH-SWSD082-SE01	ARSENIC	J	1.01	1.36	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.286	0.340	LOQ	mg/kg	
	SELENIUM	J	0.395	1.36	LOQ	mg/kg	
	ZINC	J	8.90	10.2	LOQ	mg/kg	
CH-SWSD083-SE01	ARSENIC	J	0.957	1.22	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.231	0.304	LOQ	mg/kg	
	SELENIUM	J	0.279	1.22	LOQ	mg/kg	
	THALLIUM	J	0.0621	0.304	LOQ	mg/kg	
CH-SWSD084-SE01	ARSENIC	J	0.900	0.996	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.134	0.249	LOQ	mg/kg	
	SELENIUM	J	0.134	0.996	LOQ	mg/kg	
	SODIUM	J	76.3	99.6	LOQ	mg/kg	
CH-SWSD085-SE01	ARSENIC	J	0.510	1.07	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.121	0.269	LOQ	mg/kg	
	SELENIUM	J	0.133	1.07	LOQ	mg/kg	
	SODIUM	J	97.8	107	LOQ	mg/kg	
	ZINC	J	7.22	8.06	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**

Matrix: **SEDIMENT**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD085-SE01D	ARSENIC	J	0.723	0.811	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.173	0.203	LOQ	mg/kg	
	SELENIUM	J	0.200	0.811	LOQ	mg/kg	
	SODIUM	J	80.0	81.1	LOQ	mg/kg	
	THALLIUM	J	0.0474	0.203	LOQ	mg/kg	
CH-SWSD086-SE01	SELENIUM	J	0.243	0.832	LOQ	mg/kg	J (all detects)
	SODIUM	J	65.5	83.2	LOQ	mg/kg	
	THALLIUM	J	0.0676	0.208	LOQ	mg/kg	
CH-SWSD087-SE01	BERYLLIUM	J	0.131	0.214	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.143	0.854	LOQ	mg/kg	
	SODIUM	J	73.8	85.4	LOQ	mg/kg	
	THALLIUM	J	0.0478	0.214	LOQ	mg/kg	
CH-SWSD088-SE01	ARSENIC	J	0.616	1.12	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.0824	0.280	LOQ	mg/kg	
CH-SWSD089-SE01	ARSENIC	J	1.55	2.16	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.335	0.540	LOQ	mg/kg	
	CADMIUM	J	0.133	0.540	LOQ	mg/kg	
	SELENIUM	J	0.418	2.16	LOQ	mg/kg	
	THALLIUM	J	0.0837	0.540	LOQ	mg/kg	
CH-SWSD090-SE01	ARSENIC	J	0.537	1.07	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.111	0.268	LOQ	mg/kg	
	SELENIUM	J	0.158	1.07	LOQ	mg/kg	
	ZINC	J	4.57	8.03	LOQ	mg/kg	
CH-SWSD091-SE01	ARSENIC	J	0.566	1.23	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.181	0.307	LOQ	mg/kg	
	CADMIUM	J	0.0596	0.307	LOQ	mg/kg	
	SELENIUM	J	0.140	1.23	LOQ	mg/kg	
	ZINC	J	8.19	9.21	LOQ	mg/kg	
CH-SWSD092-SE01	ARSENIC	J	0.772	1.07	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.0850	0.266	LOQ	mg/kg	
	ZINC	J	6.11	7.99	LOQ	mg/kg	
CH-SWSD093-SE01	ARSENIC	J	0.976	1.17	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.0982	0.291	LOQ	mg/kg	
	ZINC	J	6.55	8.74	LOQ	mg/kg	
CH-SWSD094-SE01	ARSENIC	J	0.829	1.02	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.132	0.256	LOQ	mg/kg	
	SODIUM	J	90.3	102	LOQ	mg/kg	
CH-SWSD095-SE01	ARSENIC	J	0.839	1.43	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.187	0.357	LOQ	mg/kg	
	CADMIUM	J	0.0817	0.357	LOQ	mg/kg	
	SELENIUM	J	0.168	1.43	LOQ	mg/kg	
CH-SWSD095-SE01D	ARSENIC	J	0.893	1.17	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.163	0.294	LOQ	mg/kg	
	SELENIUM	J	0.153	1.17	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **7471B**

Matrix: **SEDIMENT**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD031-SE01	MERCURY	J	0.0242	0.191	LOQ	mg/kg	J (all detects)
CH-SWSD032-SE01	MERCURY	J	0.107	0.268	LOQ	mg/kg	J (all detects)
CH-SWSD033-SE01	MERCURY	J	0.0506	0.188	LOQ	mg/kg	J (all detects)
CH-SWSD034-SE01	MERCURY	J	0.104	0.315	LOQ	mg/kg	J (all detects)
CH-SWSD035-SE01	MERCURY	J	0.144	0.419	LOQ	mg/kg	J (all detects)
CH-SWSD035-SE01D	MERCURY	J	0.119	0.375	LOQ	mg/kg	J (all detects)
CH-SWSD036-SE01	MERCURY	J	0.0411	0.245	LOQ	mg/kg	J (all detects)
CH-SWSD037-SE01	MERCURY	J	0.0317	0.143	LOQ	mg/kg	J (all detects)
CH-SWSD038-SE01	MERCURY	J	0.0345	0.157	LOQ	mg/kg	J (all detects)
CH-SWSD039-SE01	MERCURY	J	0.169	0.510	LOQ	mg/kg	J (all detects)
CH-SWSD040-SE01	MERCURY	J	0.148	0.447	LOQ	mg/kg	J (all detects)
CH-SWSD041-SE01	MERCURY	J	0.107	0.351	LOQ	mg/kg	J (all detects)
CH-SWSD042-SE01	MERCURY	J	0.0324	0.204	LOQ	mg/kg	J (all detects)
CH-SWSD043-SE01	MERCURY	J	0.0724	0.220	LOQ	mg/kg	J (all detects)
CH-SWSD044-SE01	MERCURY	J	0.0534	0.262	LOQ	mg/kg	J (all detects)
CH-SWSD045-SE01	MERCURY	J	0.0673	0.200	LOQ	mg/kg	J (all detects)
CH-SWSD045-SE01D	MERCURY	J	0.0513	0.206	LOQ	mg/kg	J (all detects)
CH-SWSD082-SE01	MERCURY	J	0.0283	0.181	LOQ	mg/kg	J (all detects)
CH-SWSD083-SE01	MERCURY	J	0.0243	0.166	LOQ	mg/kg	J (all detects)
CH-SWSD085-SE01	MERCURY	J	0.0188	0.136	LOQ	mg/kg	J (all detects)
CH-SWSD085-SE01D	MERCURY	J	0.0149	0.135	LOQ	mg/kg	J (all detects)
CH-SWSD086-SE01	MERCURY	J	0.0153	0.136	LOQ	mg/kg	J (all detects)
CH-SWSD087-SE01	MERCURY	J	0.0151	0.129	LOQ	mg/kg	J (all detects)
CH-SWSD089-SE01	MERCURY	J	0.0654	0.288	LOQ	mg/kg	J (all detects)
CH-SWSD090-SE01	MERCURY	J	0.0250	0.144	LOQ	mg/kg	J (all detects)
CH-SWSD093-SE01	MERCURY	J	0.0235	0.165	LOQ	mg/kg	J (all detects)
CH-SWSD094-SE01	MERCURY	J	0.0211	0.156	LOQ	mg/kg	J (all detects)
CH-SWSD095-SE01	MERCURY	J	0.0227	0.186	LOQ	mg/kg	J (all detects)
CH-SWSD095-SE01D	MERCURY	J	0.0181	0.169	LOQ	mg/kg	J (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D

Matrix: SEDIMENT

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD032-SE01	1-METHYLNAPHTHALENE	J	0.012	0.048	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.013	0.048	LOQ	mg/kg	
	ACENAPHTHENE	J	0.033	0.048	LOQ	mg/kg	
	NAPHTHALENE	J	0.026	0.048	LOQ	mg/kg	
CH-SWSD033-SE01	1-METHYLNAPHTHALENE	J	0.01	0.034	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.007	0.034	LOQ	mg/kg	
	ACENAPHTHENE	J	0.028	0.034	LOQ	mg/kg	
	CARBAZOLE	J	0.063	0.067	LOQ	mg/kg	
	FLUORENE	J	0.022	0.034	LOQ	mg/kg	
	NAPHTHALENE	J	0.023	0.034	LOQ	mg/kg	
CH-SWSD034-SE01	1-METHYLNAPHTHALENE	J	0.023	0.056	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.024	0.056	LOQ	mg/kg	
	ACENAPHTHENE	J	0.029	0.056	LOQ	mg/kg	
	CARBAZOLE	J	0.057	0.11	LOQ	mg/kg	
	FLUORENE	J	0.028	0.056	LOQ	mg/kg	
CH-SWSD035-SE01	1-METHYLNAPHTHALENE	J	0.054	0.073	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.062	0.073	LOQ	mg/kg	
	CARBAZOLE	J	0.073	0.14	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.071	0.073	LOQ	mg/kg	
	DIBENZOFURAN	J	0.072	0.14	LOQ	mg/kg	
CH-SWSD035-SE01D	1-METHYLNAPHTHALENE	J	0.050	0.068	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.036	0.068	LOQ	mg/kg	
	CARBAZOLE	J	0.094	0.13	LOQ	mg/kg	
	DIBENZOFURAN	J	0.067	0.13	LOQ	mg/kg	
CH-SWSD037-SE01	1-METHYLNAPHTHALENE	J	0.008	0.025	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.009	0.025	LOQ	mg/kg	
CH-SWSD039-SE01	DIBENZOFURAN	J	0.16	0.18	LOQ	mg/kg	J (all detects)
CH-SWSD042-SE01	DIBENZOFURAN	J	0.070	0.071	LOQ	mg/kg	J (all detects)
CH-SWSD043-SE01	1-METHYLNAPHTHALENE	J	0.036	0.038	LOQ	mg/kg	J (all detects)
	BENZOIC ACID	J	0.54	1.1	LOQ	mg/kg	
	DIBENZOFURAN	J	0.065	0.075	LOQ	mg/kg	
CH-SWSD044-SE01	1-METHYLNAPHTHALENE	J	0.014	0.044	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.018	0.044	LOQ	mg/kg	
	CARBAZOLE	J	0.077	0.086	LOQ	mg/kg	
	NAPHTHALENE	J	0.033	0.044	LOQ	mg/kg	
CH-SWSD045-SE01	1-METHYLNAPHTHALENE	J	0.018	0.035	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.025	0.035	LOQ	mg/kg	
	DIBENZOFURAN	J	0.048	0.069	LOQ	mg/kg	
CH-SWSD045-SE01D	1-METHYLNAPHTHALENE	J	0.032	0.036	LOQ	mg/kg	J (all detects)
CH-SWSD081-SE01	1-METHYLNAPHTHALENE	J	0.022	0.031	LOQ	mg/kg	J (all detects)
CH-SWSD082-SE01	BENZOIC ACID	J	0.32	0.94	LOQ	mg/kg	J (all detects)
CH-SWSD084-SE01	1-METHYLNAPHTHALENE	J	0.019	0.029	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.023	0.029	LOQ	mg/kg	
	DIBENZOFURAN	J	0.036	0.057	LOQ	mg/kg	
	NAPHTHALENE	J	0.038	0.058	LOQ	mg/kg	
CH-SWSD085-SE01	DIBENZOFURAN	J	0.041	0.045	LOQ	mg/kg	J (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D**

Matrix: **SEDIMENT**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD085-SE01D	1,1-BIPHENYL BENZOIC ACID	J J	0.029 0.23	0.046 0.69	LOQ LOQ	mg/kg mg/kg	J (all detects)
CH-SWSD086-SE01	1-METHYLNAPHTHALENE 2-METHYLNAPHTHALENE DIBENZOFURAN	J J J	0.013 0.014 0.044	0.023 0.023 0.045	LOQ LOQ LOQ	mg/kg mg/kg mg/kg	J (all detects)
CH-SWSD089-SE01	BENZOIC ACID	J	0.53	1.5	LOQ	mg/kg	J (all detects)
CH-SWSD090-SE01	NAPHTHALENE	J	0.12	0.13	LOQ	mg/kg	J (all detects)
CH-SWSD091-SE01	1-METHYLNAPHTHALENE 2-METHYLNAPHTHALENE BENZOIC ACID NAPHTHALENE	J J J J	0.12 0.096 0.28 0.027	0.13 0.13 0.77 0.13	LOQ LOQ LOQ LOQ	mg/kg mg/kg mg/kg mg/kg	J (all detects)
CH-SWSD092-SE01	1-METHYLNAPHTHALENE 2-METHYLNAPHTHALENE DIBENZOFURAN	J J J	0.015 0.017 0.036	0.028 0.028 0.056	LOQ LOQ LOQ	mg/kg mg/kg mg/kg	J (all detects)
CH-SWSD094-SE01	DIBENZOFURAN	J	0.048	0.053	LOQ	mg/kg	J (all detects)
CH-SWSD095-SE01D	1-METHYLNAPHTHALENE 2-METHYLNAPHTHALENE	J J	0.018 0.022	0.030 0.030	LOQ LOQ	mg/kg mg/kg	J (all detects)

Method Blank Outlier Report

Lab Reporting Batch ID: APP23 **Laboratory: LLL**

EDD Filename: APP23-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**
Matrix: **SEDIMENT**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P15963HB159063708	6/19/2017 1:31:00 PM	CHROMIUM COPPER	0.123 mg/kg 0.129 mg/kg	CH-SWSD031-SE01 CH-SWSD032-SE01 CH-SWSD033-SE01 CH-SWSD034-SE01 CH-SWSD035-SE01 CH-SWSD035-SE01D CH-SWSD036-SE01 CH-SWSD037-SE01 CH-SWSD038-SE01 CH-SWSD039-SE01 CH-SWSD040-SE01 CH-SWSD041-SE01 CH-SWSD042-SE01 CH-SWSD044-SE01 CH-SWSD045-SE01 CH-SWSD045-SE01D

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Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page	1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.		
Laboratory SDG:	APP24		
Date(s) of Collection:	June 6th, 2017		
Number/Type Samples & Analyses:	36 surface water samples plus 1 MS/MSD and 7 field duplicates for a project-specific list of SVOCs, PAHs, hexavalent chromium, and metals		
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA		
Completed:	November 21, 2017		

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for surface water data included in Sample Delivery Group (SDG) APP24. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017.

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✓ Holding times and sample preservation

✗ Laboratory method blank data

✓ Field rinsate blank data

NA Trip blank data

✗ Laboratory control sample (LCS) recoveries

✗ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✗ Surrogate recoveries

✗ Laboratory duplicate results

✗ Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of "J" data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

All the surface water samples were run for regular 8270 and 8270 SIM. The final results will be presented in 8270 SIM.

Samples CH-SWSD035-SW01D and CH-SWSD112-SW01 were analyzed twice for 8270D for low surrogate recovery. The samples were re-extracted outside method required holding time and QC again was outside acceptance limits. The initial results will be presented as final results.

This data package was revised 11/9/2017 due to the Eurofins SW6020A metals data breach. The majority of the data changes were made to Quality Control (QC) and/or calibration checks, not to actual sample results. The few field sample result changes were due to the originally reported result exceeding the linear calibration range of the instrument; those results were changed to be slightly lower than the upper limit of the calibration range.

In this package, the result for zinc in the associated method blank changed from < 7.5 ug/l to 39.9 ug/l, the CCV percent recoveries for vanadium and calcium were above specifications, and cobalt was detected in the interference check solution A; however in the interference check solution AB, cobalt was within QC limits. Zinc results changed from "J" to an "U" due to the method blank contamination.

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Validation Area	*Note*
Technical Holding Times	SR
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	SR
Surrogate/Tracer Spikes	SR
Matrix Spike/Matrix Spike Duplicates	SR
Laboratory Duplicates	SR
Laboratory Replicates	N
Laboratory Control Samples	SR
Compound Quantitation	SR
Field Duplicates	SR
Field Triplicates	N
Field Blanks	N

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD031-SW01** ***Collected:*** **6/6/2017 2:45:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.12	J	0.25	LOD	1.0	LOQ	ug/L	J	RI
COPPER	3.2	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
NICKEL	1.4	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
ZINC	11.7	J	7.5	LOD	30.0	LOQ	ug/L	U	Mb
CHROMIUM	1.6	J	2.0	LOD	4.0	LOQ	ug/L	U	Mb

Sample ID: **CH-SWSD031-SW01-F** ***Collected:*** **6/6/2017 2:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	113	J	50.0	LOD	200	LOQ	ug/L	J	RI
CHROMIUM	0.73	J	2.0	LOD	4.0	LOQ	ug/L	U	Mb
COBALT	0.36	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
COPPER	1.1	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
LEAD	0.16	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
VANADIUM	0.61	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
ZINC	6.0	J	7.5	LOD	30.0	LOQ	ug/L	U	Mb

Sample ID: **CH-SWSD032-SW01** ***Collected:*** **6/6/2017 1:50:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.85	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
BERYLLIUM	0.27	J	0.25	LOD	1.0	LOQ	ug/L	J	RI
NICKEL	2.9	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
ZINC	51.7		7.5	LOD	30.0	LOQ	ug/L	U	Mb

Sample ID: **CH-SWSD032-SW01-F** ***Collected:*** **6/6/2017 1:50:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	166	J	50.0	LOD	200	LOQ	ug/L	J	RI
CHROMIUM	0.85	J	2.0	LOD	4.0	LOQ	ug/L	U	Mb
COBALT	0.30	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
COPPER	1.1	J	1.0	LOD	4.0	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** WATER

Sample ID: CH-SWSD032-SW01-F **Collected:** 6/6/2017 1:50:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
LEAD	0.19	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
ZINC	5.1	J	7.5	LOD	30.0	LOQ	ug/L	U	Mb

Sample ID: CH-SWSD033-SW01 **Collected:** 6/6/2017 1:30:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.91	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
BERYLLIUM	0.48	J	0.25	LOD	1.0	LOQ	ug/L	J	Rl
NICKEL	3.1	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
SELENIUM	0.47	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
ZINC	31.5		7.5	LOD	30.0	LOQ	ug/L	U	Mb

Sample ID: CH-SWSD033-SW01-F **Collected:** 6/6/2017 1:30:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	1.3	J	2.0	LOD	4.0	LOQ	ug/L	U	Mb
COBALT	0.74	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
COPPER	1.2	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	0.26	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
NICKEL	0.96	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
ZINC	4.5	J	7.5	LOD	30.0	LOQ	ug/L	U	Mb

Sample ID: CH-SWSD034-SW01 **Collected:** 6/6/2017 12:40:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	1.5	J	2.0	LOD	4.0	LOQ	ug/L	U	Mb
COBALT	0.46	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
COPPER	1.2	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	0.51	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
ZINC	4.4	J	7.5	LOD	30.0	LOQ	ug/L	U	Mb

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD035-SW01** ***Collected:*** **6/6/2017 11:40:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	571		50.0	LOD	200	LOQ	ug/L	J	Fd
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	Fd
CHROMIUM	2.2	J	2.0	LOD	4.0	LOQ	ug/L	U	Mb
COBALT	0.62	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl, Fd
COPPER	1.8	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	0.89	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl, Fd
MANGANESE	87.8		2.0	LOD	4.0	LOQ	ug/L	J	Fd
NICKEL	1.3	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
ZINC	36.1		7.5	LOD	30.0	LOQ	ug/L	U	Mb

Sample ID: **CH-SWSD035-SW01D** ***Collected:*** **6/6/2017 11:40:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	833		50.0	LOD	200	LOQ	ug/L	J	Fd
BERYLLIUM	0.13	J	0.25	LOD	1.0	LOQ	ug/L	J	Rl, Fd
CHROMIUM	2.3	J	2.0	LOD	4.0	LOQ	ug/L	U	Mb
COBALT	1.1		0.50	LOD	1.0	LOQ	ug/L	J	Fd
COPPER	2.1	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	1.3	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl, Fd
MANGANESE	125		2.0	LOD	4.0	LOQ	ug/L	J	Fd
NICKEL	1.2	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
ZINC	41.8		7.5	LOD	30.0	LOQ	ug/L	U	Mb

Sample ID: **CH-SWSD035-SW01D-F** ***Collected:*** **6/6/2017 11:40:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	1.4	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
COBALT	0.68	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
COPPER	1.0	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	0.33	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
MANGANESE	112		2.0	LOD	4.0	LOQ	ug/L	J	Fd
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** WATER

Sample ID: CH-SWSD035-SW01-F **Collected:** 6/6/2017 11:40:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	1.3	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
COBALT	0.60	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
COPPER	1.3	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	0.39	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
MANGANESE	76.2		2.0	LOD	4.0	LOQ	ug/L	J	Fd
NICKEL	1.0	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl, Fd

Sample ID: CH-SWSD036-SW01 **Collected:** 6/6/2017 11:25:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	1.1	J	2.0	LOD	4.0	LOQ	ug/L	U	Mb
COBALT	0.50	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
COPPER	1.2	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	0.32	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
NICKEL	1.2	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
ZINC	4.4	J	7.5	LOD	30.0	LOQ	ug/L	U	Mb

Sample ID: CH-SWSD037-SW01 **Collected:** 6/6/2017 11:00:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.11	J	0.25	LOD	1.0	LOQ	ug/L	J	Rl
CHROMIUM	1.5	J	2.0	LOD	4.0	LOQ	ug/L	U	Mb
COBALT	0.45	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
COPPER	0.79	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	0.32	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
NICKEL	1.2	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
ZINC	4.0	J	7.5	LOD	30.0	LOQ	ug/L	U	Mb

Sample ID: CH-SWSD038-SW01 **Collected:** 6/6/2017 10:35:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	1.2	J	2.0	LOD	4.0	LOQ	ug/L	U	Mb

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** WATER

Sample ID: CH-SWSD038-SW01 **Collected:** 6/6/2017 10:35:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COBALT	0.41	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
COPPER	1.1	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
LEAD	0.27	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
ZINC	3.7	J	7.5	LOD	30.0	LOQ	ug/L	U	Mb

Sample ID: CH-SWSD039-SW01 **Collected:** 6/6/2017 10:15:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	1.2	J	2.0	LOD	4.0	LOQ	ug/L	U	Mb
COBALT	0.37	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
COPPER	0.80	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
LEAD	0.17	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	0.88	J	2.0	LOD	4.0	LOQ	ug/L	J	RI

Sample ID: CH-SWSD040-SW01 **Collected:** 6/6/2017 10:00:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	1.2	J	2.0	LOD	4.0	LOQ	ug/L	U	Mb
COBALT	0.34	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
COPPER	0.82	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
LEAD	0.21	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
ZINC	4.5	J	7.5	LOD	30.0	LOQ	ug/L	U	Mb

Sample ID: CH-SWSD040-SW01D **Collected:** 6/6/2017 10:00:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	1.4	J	2.0	LOD	4.0	LOQ	ug/L	U	Mb
COBALT	0.44	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
COPPER	0.86	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
LEAD	0.21	J	0.25	LOD	2.0	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** WATER

Sample ID: CH-SWSD040-SW01D **Collected:** 6/6/2017 10:00:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NICKEL	1.2	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
ZINC	4.0	J	7.5	LOD	30.0	LOQ	ug/L	U	Mb

Sample ID: CH-SWSD041-SW01 **Collected:** 6/6/2017 9:40:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	1.2	J	2.0	LOD	4.0	LOQ	ug/L	U	Mb
COBALT	0.33	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
COPPER	0.79	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	0.19	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
NICKEL	1.0	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
ZINC	4.2	J	7.5	LOD	30.0	LOQ	ug/L	U	Mb

Sample ID: CH-SWSD042-SW01 **Collected:** 6/6/2017 9:20:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	3990		200	LOD	400	LOQ	ug/L	J-	Ms
CHROMIUM	1.4	J	2.0	LOD	4.0	LOQ	ug/L	U	Mb
COBALT	0.47	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
COPPER	0.86	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	0.20	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
NICKEL	0.90	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl, Ld
ZINC	4.5	J	7.5	LOD	30.0	LOQ	ug/L	U	Mb

Sample ID: CH-SWSD043-SW01 **Collected:** 6/6/2017 9:10:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	1.0	J	2.0	LOD	4.0	LOQ	ug/L	U	Mb
COBALT	0.45	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
COPPER	0.80	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	0.21	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
NICKEL	1.3	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD043-SW01** ***Collected:*** **6/6/2017 9:10:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ZINC	5.0	J	7.5	LOD	30.0	LOQ	ug/L	U	Mb

Sample ID: **CH-SWSD044-SW01** ***Collected:*** **6/6/2017 8:50:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	1.3	J	2.0	LOD	4.0	LOQ	ug/L	U	Mb
COBALT	0.69	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
COPPER	0.75	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
LEAD	0.26	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	1.2	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
ZINC	5.5	J	7.5	LOD	30.0	LOQ	ug/L	U	Mb

Sample ID: **CH-SWSD045-SW01** ***Collected:*** **6/6/2017 8:30:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	1.4	J	2.0	LOD	4.0	LOQ	ug/L	U	Mb
COBALT	0.45	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
COPPER	0.97	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
LEAD	0.22	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	1.3	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
ZINC	5.3	J	7.5	LOD	30.0	LOQ	ug/L	J	RI

Sample ID: **CH-SWSD045-SW01D** ***Collected:*** **6/6/2017 8:30:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	1.1	J	2.0	LOD	4.0	LOQ	ug/L	U	Mb
COBALT	0.58	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
COPPER	0.73	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
LEAD	0.22	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	0.97	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
ZINC	4.4	J	7.5	LOD	30.0	LOQ	ug/L	U	Mb

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD080-SW01** ***Collected:*** **6/5/2017 4:15:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.19	J	0.25	LOD	1.0	LOQ	ug/L	J	RI
CHROMIUM	1.0	J	2.0	LOD	4.0	LOQ	ug/L	U	Mb
COBALT	0.58	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
COPPER	0.69	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
LEAD	0.21	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	1.0	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
ZINC	7.1	J	7.5	LOD	30.0	LOQ	ug/L	J	RI

Sample ID: **CH-SWSD081-SW01** ***Collected:*** **6/5/2017 3:45:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.20	J	0.25	LOD	1.0	LOQ	ug/L	J	RI
CHROMIUM	1.3	J	2.0	LOD	4.0	LOQ	ug/L	UJ	Mb, Fd
COBALT	0.65	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
COPPER	0.68	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
IRON	332		100	LOD	200	LOQ	ug/L	J	Fd
LEAD	0.33	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
ZINC	7.6	J	7.5	LOD	30.0	LOQ	ug/L	J	RI

Sample ID: **CH-SWSD081-SW01** ***Collected:*** **6/5/2017 3:45:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
VANADIUM	1.7		0.50	LOD	1.0	LOQ	ug/L	J	Fd

Sample ID: **CH-SWSD081-SW01D** ***Collected:*** **6/5/2017 3:45:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.21	J	0.25	LOD	1.0	LOQ	ug/L	J	RI
CHROMIUM	0.88	J	2.0	LOD	4.0	LOQ	ug/L	UJ	Mb, Fd
COBALT	0.63	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
COPPER	0.78	J	1.0	LOD	4.0	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** WATER

Sample ID: CH-SWSD081-SW01D **Collected:** 6/5/2017 3:45:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
IRON	244		100	LOD	200	LOQ	ug/L	J	Fd
LEAD	0.26	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
NICKEL	1.0	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
ZINC	6.9	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl

Sample ID: CH-SWSD081-SW01D **Collected:** 6/5/2017 3:45:00 PM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
VANADIUM	1.2		0.50	LOD	1.0	LOQ	ug/L	J	Fd

Sample ID: CH-SWSD082-SW01 **Collected:** 6/5/2017 3:20:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.17	J	0.25	LOD	1.0	LOQ	ug/L	J	Rl
CHROMIUM	1.9	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
COBALT	0.66	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
COPPER	1.5	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	0.46	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
NICKEL	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
ZINC	7.3	J	7.5	LOD	30.0	LOQ	ug/L	U	Mb

Sample ID: CH-SWSD083-SW01 **Collected:** 6/5/2017 3:00:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.21	J	0.25	LOD	1.0	LOQ	ug/L	J	Rl
CHROMIUM	0.82	J	2.0	LOD	4.0	LOQ	ug/L	U	Mb
COBALT	0.50	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
COPPER	0.63	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	0.24	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
NICKEL	1.2	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
ZINC	8.3	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD084-SW01** ***Collected:*** **6/5/2017 2:45:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.21	J	0.25	LOD	1.0	LOQ	ug/L	J	RI
CHROMIUM	0.84	J	2.0	LOD	4.0	LOQ	ug/L	U	Mb
COBALT	0.51	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
COPPER	0.79	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
LEAD	0.20	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
ZINC	8.0	J	7.5	LOD	30.0	LOQ	ug/L	J	RI

Sample ID: **CH-SWSD085-SW01** ***Collected:*** **6/5/2017 2:15:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.18	J	0.25	LOD	1.0	LOQ	ug/L	J	RI
CHROMIUM	1.0	J	2.0	LOD	4.0	LOQ	ug/L	U	Mb
COBALT	0.49	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
COPPER	0.63	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
LEAD	0.22	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	0.93	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
ZINC	7.5	J	7.5	LOD	30.0	LOQ	ug/L	J	RI

Sample ID: **CH-SWSD085-SW01D** ***Collected:*** **6/5/2017 2:15:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.18	J	0.25	LOD	1.0	LOQ	ug/L	J	RI
CHROMIUM	0.97	J	2.0	LOD	4.0	LOQ	ug/L	U	Mb
COBALT	0.60	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
COPPER	0.67	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
LEAD	0.22	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
ZINC	7.3	J	7.5	LOD	30.0	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** WATER

Sample ID: CH-SWSD086-SW01 **Collected:** 6/5/2017 1:45:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.18	J	0.25	LOD	1.0	LOQ	ug/L	J	RI
CHROMIUM	1.0	J	2.0	LOD	4.0	LOQ	ug/L	U	Mb
COBALT	0.52	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
COPPER	0.73	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
LEAD	0.25	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	1.3	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
ZINC	8.7	J	7.5	LOD	30.0	LOQ	ug/L	J	RI

Sample ID: CH-SWSD087-SW01 **Collected:** 6/5/2017 2:20:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.17	J	0.25	LOD	1.0	LOQ	ug/L	J	RI
CHROMIUM	0.86	J	2.0	LOD	4.0	LOQ	ug/L	U	Mb
COBALT	0.63	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
COPPER	0.76	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
LEAD	0.22	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	1.3	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
ZINC	8.2	J	7.5	LOD	30.0	LOQ	ug/L	J	RI

Sample ID: CH-SWSD088-SW01 **Collected:** 6/5/2017 1:10:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.17	J	0.25	LOD	1.0	LOQ	ug/L	J	RI
CHROMIUM	1.3	J	2.0	LOD	4.0	LOQ	ug/L	U	Mb
COBALT	0.58	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
COPPER	0.96	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
LEAD	0.81	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	1.0	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
ZINC	9.2	J	7.5	LOD	30.0	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** WATER

Sample ID: CH-SWSD089-SW01 **Collected:** 6/5/2017 1:00:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.14	J	0.25	LOD	1.0	LOQ	ug/L	J	RI
CHROMIUM	0.66	J	2.0	LOD	4.0	LOQ	ug/L	U	Mb
COBALT	0.60	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
COPPER	0.84	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
LEAD	0.30	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
ZINC	18.4	J	7.5	LOD	30.0	LOQ	ug/L	J	RI

Sample ID: CH-SWSD090-SW01 **Collected:** 6/5/2017 11:45:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.15	J	0.25	LOD	1.0	LOQ	ug/L	J	RI
CHROMIUM	1.3	J	2.0	LOD	4.0	LOQ	ug/L	U	Mb
COBALT	0.51	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
COPPER	0.94	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
LEAD	0.29	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	0.95	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
ZINC	7.2	J	7.5	LOD	30.0	LOQ	ug/L	J	RI

Sample ID: CH-SWSD091-SW01 **Collected:** 6/5/2017 11:30:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.16	J	0.25	LOD	1.0	LOQ	ug/L	J	RI
CHROMIUM	1.0	J	2.0	LOD	4.0	LOQ	ug/L	U	Mb
COBALT	0.53	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
COPPER	0.78	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
LEAD	0.33	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	1.2	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
ZINC	7.5	J	7.5	LOD	30.0	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** WATER

Sample ID: CH-SWSD092-SW01 **Collected:** 6/5/2017 11:15:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.17	J	0.25	LOD	1.0	LOQ	ug/L	J	RI
CHROMIUM	0.86	J	2.0	LOD	4.0	LOQ	ug/L	U	Mb
COBALT	0.64	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
COPPER	0.91	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
LEAD	0.30	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	1.4	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
ZINC	8.8	J	7.5	LOD	30.0	LOQ	ug/L	J	RI

Sample ID: CH-SWSD093-SW01 **Collected:** 6/5/2017 10:30:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	Ms, Ms
BERYLLIUM	0.14	J	0.25	LOD	1.0	LOQ	ug/L	J	RI
CHROMIUM	0.80	J	2.0	LOD	4.0	LOQ	ug/L	UJ	Mb, Ld
COBALT	0.56	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
COPPER	1.0	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
LEAD	0.35	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	1.3	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
ZINC	8.4	J	7.5	LOD	30.0	LOQ	ug/L	J	RI

Sample ID: CH-SWSD094-SW01 **Collected:** 6/5/2017 9:40:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.15	J	0.25	LOD	1.0	LOQ	ug/L	J	RI
CHROMIUM	0.84	J	2.0	LOD	4.0	LOQ	ug/L	U	Mb
COBALT	0.55	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
COPPER	0.90	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
LEAD	0.32	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
ZINC	7.6	J	7.5	LOD	30.0	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD095-SW01** ***Collected:*** **6/5/2017 9:30:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.16	J	0.25	LOD	1.0	LOQ	ug/L	J	Rl
CHROMIUM	0.98	J	2.0	LOD	4.0	LOQ	ug/L	UJ	Mb, Fd
COBALT	0.53	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
COPPER	0.81	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	0.34	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl, Fd
NICKEL	1.2	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
ZINC	8.5	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl

Sample ID: **CH-SWSD095-SW01D** ***Collected:*** **6/5/2017 9:30:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.15	J	0.25	LOD	1.0	LOQ	ug/L	J	Rl
CHROMIUM	1.4	J	2.0	LOD	4.0	LOQ	ug/L	UJ	Mb, Fd
COBALT	0.54	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
COPPER	1.1	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	0.86	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl, Fd
NICKEL	0.92	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
ZINC	8.9	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl

Sample ID: **CH-SWSD112-SW01** ***Collected:*** **6/6/2017 4:00:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.2	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
BERYLLIUM	0.26	J	0.25	LOD	1.0	LOQ	ug/L	J	Rl
CADMIUM	0.22	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl, Ld
CHROMIUM	2.8	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
IRON	3100		100	LOD	200	LOQ	ug/L	J+	Ms
MANGANESE	368		2.0	LOD	4.0	LOQ	ug/L	J-	Ms
SELENIUM	0.60	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
VANADIUM	4.4		0.50	LOD	1.0	LOQ	ug/L	J	Ld

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7470A **Matrix: WATER**

Sample ID: CH-SWSD032-SW01 **Collected:** 6/6/2017 1:50:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.067	J	0.10	LOD	0.20	LOQ	ug/L	J	RI

Sample ID: CH-SWSD033-SW01 **Collected:** 6/6/2017 1:30:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.058	J	0.10	LOD	0.20	LOQ	ug/L	J	RI

Method Category: METALS

Method: Calculation **Matrix: WATER**

Sample ID: CH-SWSD040-SW01 **Collected:** 6/6/2017 10:00:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	0.92	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, Fd

Sample ID: CH-SWSD040-SW01D **Collected:** 6/6/2017 10:00:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	1.2	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, Fd

Sample ID: CH-SWSD080-SW01 **Collected:** 6/5/2017 4:15:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	0.74	J	2.0	LOD	4.0	LOQ	ug/L	J	RI

Sample ID: CH-SWSD090-SW01 **Collected:** 6/5/2017 11:45:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	0.99	J	2.0	LOD	4.0	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix: WATER**

Sample ID: CH-SWSD031-SW01 **Collected:** 6/6/2017 2:45:00 PM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	17	U	17	LOD	17	LOQ	ug/L	UJ	Lcs

Sample ID: CH-SWSD031-SW01 **Collected:** 6/6/2017 2:45:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.22	U	0.22	LOD	0.56	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.22	U	0.22	LOD	0.56	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.22	U	0.22	LOD	0.56	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.22	U	0.22	LOD	0.56	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.22	U	0.22	LOD	0.56	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.22	U	0.22	LOD	0.56	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.22	U	0.22	LOD	0.56	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.22	U	0.22	LOD	0.56	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.22	U	0.22	LOD	0.56	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.22	U	0.22	LOD	0.56	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.16	J	0.22	LOD	0.56	LOQ	ug/L	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.22	U	0.22	LOD	0.56	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.33	J	0.22	LOD	0.56	LOQ	ug/L	NP	RI, ProfJudg
FLUORENE	0.22	U	0.22	LOD	0.56	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.22	U	0.22	LOD	0.56	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.45	U	0.45	LOD	0.56	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.22	U	0.22	LOD	0.56	LOQ	ug/L	NP	ProfJudg
PYRENE	0.29	J	0.22	LOD	0.56	LOQ	ug/L	NP	RI, ProfJudg

Sample ID: CH-SWSD031-SW01-F **Collected:** 6/6/2017 2:45:00 PM **Analysis Type:** Initial/DIS-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/L	UJ	Lcs

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD031-SW01-F** ***Collected:*** **6/6/2017 2:45:00 PM** ***Analysis Type:*** **Initial/DIS-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

Sample ID: **CH-SWSD032-SW01** ***Collected:*** **6/6/2017 1:50:00 PM** ***Analysis Type:*** **Initial/TOT-ACID** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/L	UJ	Lcs

Sample ID: **CH-SWSD032-SW01** ***Collected:*** **6/6/2017 1:50:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD032-SW01 **Collected:** 6/6/2017 1:50:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD032-SW01-F **Collected:** 6/6/2017 1:50:00 PM **Analysis Type:** Initial/DIS-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/L	UJ	Lcs

Sample ID: CH-SWSD032-SW01-F **Collected:** 6/6/2017 1:50:00 PM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD032-SW01-F **Collected:** 6/6/2017 1:50:00 PM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD033-SW01 **Collected:** 6/6/2017 1:30:00 PM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/L	UJ	Lcs

Sample ID: CH-SWSD033-SW01 **Collected:** 6/6/2017 1:30:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.11	J	0.20	LOD	0.51	LOQ	ug/L	NP	RI, ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.19	J	0.20	LOD	0.51	LOQ	ug/L	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.43	J	0.20	LOD	0.51	LOQ	ug/L	NP	RI, ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix: WATER**

Sample ID: CH-SWSD033-SW01 **Collected:** 6/6/2017 1:30:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.13	J	0.20	LOD	0.51	LOQ	ug/L	NP	RI, ProfJudg
PYRENE	0.37	J	0.20	LOD	0.51	LOQ	ug/L	NP	RI, ProfJudg

Sample ID: CH-SWSD033-SW01-F **Collected:** 6/6/2017 1:30:00 PM **Analysis Type:** Initial/DIS-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/L	UJ	Lcs

Sample ID: CH-SWSD033-SW01-F **Collected:** 6/6/2017 1:30:00 PM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix: WATER**

Sample ID: CH-SWSD034-SW01 **Collected:** 6/6/2017 12:40:00 PM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/L	UJ	Lcs

Sample ID: CH-SWSD034-SW01 **Collected:** 6/6/2017 12:40:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD035-SW01 **Collected:** 6/6/2017 11:40:00 AM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	16	U	16	LOD	16	LOQ	ug/L	UJ	Lcs

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD035-SW01 **Collected:** 6/6/2017 11:40:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.52	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD035-SW01D **Collected:** 6/6/2017 11:40:00 AM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.0	U	1.0	LOD	1.0	LOQ	ug/L	UJ	Surr
4-CHLORO-3-METHYLPHENOL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	UJ	Surr
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/L	UJ	Lcs, Surr

Sample ID: CH-SWSD035-SW01D **Collected:** 6/6/2017 11:40:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	UJ	Surr
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	Surr, ProfJudg
2-CHLORONAPHTHALENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	UJ	Surr

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD035-SW01D **Collected:** 6/6/2017 11:40:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	Surr, ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	Surr, ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	Surr, ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	Surr, ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	Surr, ProfJudg
BENZALDEHYDE	4.1	U	4.1	LOD	5.1	LOQ	ug/L	UJ	Surr
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	Surr, ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	Surr, ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	Surr, ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	Surr, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	4.1	U	4.1	LOD	5.1	LOQ	ug/L	UJ	Surr
Butyl benzyl phthalate	4.1	U	4.1	LOD	5.1	LOQ	ug/L	UJ	Surr
CAPROLACTAM	15	U	15	LOD	15	LOQ	ug/L	UJ	Surr
CARBAZOLE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	UJ	Surr
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	Surr, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	Surr, ProfJudg
DIBENZOFURAN	1.0	U	1.0	LOD	1.0	LOQ	ug/L	UJ	Surr
DIETHYL PHTHALATE	4.1	U	4.1	LOD	5.1	LOQ	ug/L	UJ	Surr
DIMETHYL PHTHALATE	4.1	U	4.1	LOD	5.1	LOQ	ug/L	UJ	Surr
DI-N-BUTYL PHTHALATE	4.1	U	4.1	LOD	5.1	LOQ	ug/L	UJ	Surr
DI-N-OCTYL PHTHALATE	4.1	U	4.1	LOD	5.1	LOQ	ug/L	UJ	Surr
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	Surr, ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	Surr, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	Surr, ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/L	NP	Surr, ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	Surr, ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	Surr, ProfJudg

Sample ID: CH-SWSD035-SW01D-F **Collected:** 6/6/2017 11:40:00 AM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD035-SW01D-F **Collected:** 6/6/2017 11:40:00 AM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD035-SW01D-X **Collected:** 6/6/2017 11:40:00 AM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	4.0	U	4.0	LOD	4.0	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: CH-SWSD035-SW01D-X **Collected:** 6/6/2017 11:40:00 AM **Analysis Type:** Reanalysis-01/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/L	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD035-SW01D-X** ***Collected:*** **6/6/2017 11:40:00 AM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1,4-DICHLOROBENZENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
BENZALDEHYDE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	StoE, ProfJudg
Butyl benzyl phthalate	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	StoE, ProfJudg
CAPROLACTAM	15	U	15	LOD	15	LOQ	ug/L	NP	StoE, ProfJudg
CARBAZOLE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZOFURAN	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
DIETHYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	StoE, ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD035-SW01-F **Collected:** 6/6/2017 11:40:00 AM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD036-SW01 **Collected:** 6/6/2017 11:25:00 AM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/L	UJ	Lcs

Sample ID: CH-SWSD036-SW01 **Collected:** 6/6/2017 11:25:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.19	J	0.20	LOD	0.51	LOQ	ug/L	NP	RI, ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD036-SW01 **Collected:** 6/6/2017 11:25:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.26	J	0.41	LOD	0.51	LOQ	ug/L	NP	RI, ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD037-SW01 **Collected:** 6/6/2017 11:00:00 AM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/L	UJ	Lcs

Sample ID: CH-SWSD037-SW01 **Collected:** 6/6/2017 11:00:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD037-SW01 **Collected:** 6/6/2017 11:00:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.17	J	0.40	LOD	0.51	LOQ	ug/L	NP	RI, ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD038-SW01 **Collected:** 6/6/2017 10:35:00 AM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/L	UJ	Lcs

Sample ID: CH-SWSD038-SW01 **Collected:** 6/6/2017 10:35:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix: WATER**

Sample ID: CH-SWSD038-SW01 **Collected:** 6/6/2017 10:35:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD039-SW01 **Collected:** 6/6/2017 10:15:00 AM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/L	UJ	Lcs

Sample ID: CH-SWSD039-SW01 **Collected:** 6/6/2017 10:15:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix: WATER**

Sample ID: CH-SWSD040-SW01 **Collected:** 6/6/2017 10:00:00 AM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/L	UJ	Lcs

Sample ID: CH-SWSD040-SW01 **Collected:** 6/6/2017 10:00:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD040-SW01D **Collected:** 6/6/2017 10:00:00 AM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/L	UJ	Lcs

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD040-SW01D **Collected:** 6/6/2017 10:00:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD041-SW01 **Collected:** 6/6/2017 9:40:00 AM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/L	UJ	Lcs

Sample ID: CH-SWSD041-SW01 **Collected:** 6/6/2017 9:40:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD041-SW01 **Collected:** 6/6/2017 9:40:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.11	J	0.40	LOD	0.51	LOQ	ug/L	NP	RI, ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD042-SW01 **Collected:** 6/6/2017 9:20:00 AM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/L	UJ	Lcs

Sample ID: CH-SWSD042-SW01 **Collected:** 6/6/2017 9:20:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD042-SW01 **Collected:** 6/6/2017 9:20:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.14	J	0.41	LOD	0.51	LOQ	ug/L	NP	RI, ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD043-SW01 **Collected:** 6/6/2017 9:10:00 AM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/L	UJ	Lcs

Sample ID: CH-SWSD043-SW01 **Collected:** 6/6/2017 9:10:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix: WATER**

Sample ID: CH-SWSD043-SW01 **Collected:** 6/6/2017 9:10:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD044-SW01 **Collected:** 6/6/2017 8:50:00 AM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/L	UJ	Lcs

Sample ID: CH-SWSD044-SW01 **Collected:** 6/6/2017 8:50:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD045-SW01** ***Collected:*** **6/6/2017 8:30:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: **CH-SWSD045-SW01D** ***Collected:*** **6/6/2017 8:30:00 AM** ***Analysis Type:*** **Initial/TOT-ACID** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/L	UJ	Lcs

Sample ID: **CH-SWSD045-SW01D** ***Collected:*** **6/6/2017 8:30:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD045-SW01D **Collected:** 6/6/2017 8:30:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD080-SW01 **Collected:** 6/5/2017 4:15:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD080-SW01 **Collected:** 6/5/2017 4:15:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD081-SW01 **Collected:** 6/5/2017 3:45:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD081-SW01D **Collected:** 6/5/2017 3:45:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD081-SW01D** ***Collected:*** **6/5/2017 3:45:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: **CH-SWSD082-SW01** ***Collected:*** **6/5/2017 3:20:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD082-SW01 **Collected:** 6/5/2017 3:20:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD083-SW01 **Collected:** 6/5/2017 3:00:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD084-SW01 **Collected:** 6/5/2017 2:45:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD084-SW01 **Collected:** 6/5/2017 2:45:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD085-SW01 **Collected:** 6/5/2017 2:15:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD085-SW01** ***Collected:*** **6/5/2017 2:15:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: **CH-SWSD085-SW01D** ***Collected:*** **6/5/2017 2:15:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD086-SW01 **Collected:** 6/5/2017 1:45:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD087-SW01 **Collected:** 6/5/2017 2:20:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD087-SW01 **Collected:** 6/5/2017 2:20:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD088-SW01 **Collected:** 6/5/2017 1:10:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.11	J	0.20	LOD	0.51	LOQ	ug/L	NP	RI, ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.10	J	0.20	LOD	0.51	LOQ	ug/L	NP	RI, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD089-SW01 **Collected:** 6/5/2017 1:00:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD090-SW01 **Collected:** 6/5/2017 11:45:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD090-SW01 **Collected:** 6/5/2017 11:45:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD091-SW01 **Collected:** 6/5/2017 11:30:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD092-SW01 **Collected:** 6/5/2017 11:15:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.52	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD093-SW01 **Collected:** 6/5/2017 10:30:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD093-SW01 **Collected:** 6/5/2017 10:30:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD094-SW01 **Collected:** 6/5/2017 9:40:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.52	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD095-SW01 **Collected:** 6/5/2017 9:30:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD095-SW01D **Collected:** 6/5/2017 9:30:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD095-SW01D** ***Collected:*** **6/5/2017 9:30:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: **CH-SWSD112-SW01** ***Collected:*** **6/6/2017 4:00:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix: WATER**

Sample ID: CH-SWSD112-SW01-X **Collected:** 6/6/2017 4:00:00 PM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	14		4.2	LOD	4.2	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: CH-SWSD112-SW01-X **Collected:** 6/6/2017 4:00:00 PM **Analysis Type:** Reanalysis-01/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
BENZOIC ACID	16	U	16	LOD	16	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: CH-SWSD112-SW01-X **Collected:** 6/6/2017 4:00:00 PM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.81		0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.17	J	0.21	LOD	0.52	LOQ	ug/L	NP	RI, StoE, ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
BENZALDEHYDE	4.2	U	4.2	LOD	5.2	LOQ	ug/L	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	4.2	U	4.2	LOD	5.2	LOQ	ug/L	NP	StoE, ProfJudg
Butyl benzyl phthalate	4.2	U	4.2	LOD	5.2	LOQ	ug/L	NP	StoE, ProfJudg
CAPROLACTAM	16	U	16	LOD	16	LOQ	ug/L	NP	StoE, ProfJudg
CARBAZOLE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix: WATER**

Sample ID: CH-SWSD112-SW01-X **Collected:** 6/6/2017 4:00:00 PM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZOFURAN	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
DIETHYL PHTHALATE	4.2	U	4.2	LOD	5.2	LOQ	ug/L	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	4.2	U	4.2	LOD	5.2	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	4.2	U	4.2	LOD	5.2	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	4.2	U	4.2	LOD	5.2	LOQ	ug/L	NP	StoE, ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
FLUORENE	0.11	J	0.21	LOD	0.52	LOQ	ug/L	NP	RI, StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
NAPHTHALENE	1.6		0.42	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg

Method Category: SVOA

Method: 8270D SIM **Matrix: WATER**

Sample ID: CH-SWSD031-SW01 **Collected:** 6/6/2017 2:45:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.016	J	0.045	LOD	0.056	LOQ	ug/L	J	RI
ACENAPHTHYLENE	0.013	J	0.045	LOD	0.056	LOQ	ug/L	J	RI
ANTHRACENE	0.018	J	0.045	LOD	0.056	LOQ	ug/L	J	RI
BENZO(G,H,I)PERYLENE	0.054	J	0.045	LOD	0.056	LOQ	ug/L	J	RI
DIBENZO(A,H)ANTHRACENE	0.015	J	0.045	LOD	0.056	LOQ	ug/L	J	RI
NAPHTHALENE	0.042	J	0.067	LOD	0.067	LOQ	ug/L	J	RI

Sample ID: CH-SWSD032-SW01 **Collected:** 6/6/2017 1:50:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.036	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
BENZO(A)PYRENE	0.041	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
BENZO(G,H,I)PERYLENE	0.023	J	0.041	LOD	0.051	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-SWSD032-SW01 **Collected:** 6/6/2017 1:50:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(K)FLUORANTHENE	0.033	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
INDENO(1,2,3-CD)PYRENE	0.026	J	0.041	LOD	0.051	LOQ	ug/L	J	RI

Sample ID: CH-SWSD033-SW01 **Collected:** 6/6/2017 1:30:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.021	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
ACENAPHTHYLENE	0.020	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
ANTHRACENE	0.026	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
DIBENZO(A,H)ANTHRACENE	0.020	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
FLUORENE	0.015	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
NAPHTHALENE	0.036	J	0.061	LOD	0.061	LOQ	ug/L	J	RI

Sample ID: CH-SWSD034-SW01 **Collected:** 6/6/2017 12:40:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.011	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
BENZ(A)ANTHRACENE	0.013	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
BENZO(A)PYRENE	0.011	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
BENZO(B)FLUORANTHENE	0.028	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
BENZO(K)FLUORANTHENE	0.011	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
CHRYSENE	0.019	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
FLUORANTHENE	0.025	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
NAPHTHALENE	0.037	J	0.061	LOD	0.061	LOQ	ug/L	J	RI
PYRENE	0.020	J	0.041	LOD	0.051	LOQ	ug/L	J	RI

Sample ID: CH-SWSD035-SW01 **Collected:** 6/6/2017 11:40:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.012	J	0.041	LOD	0.052	LOQ	ug/L	J	RI, Fd
2-METHYLNAPHTHALENE	0.011	J	0.041	LOD	0.052	LOQ	ug/L	J	RI, Fd
ACENAPHTHENE	0.035	J	0.041	LOD	0.052	LOQ	ug/L	J	RI, Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-SWSD035-SW01 **Collected:** 6/6/2017 11:40:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.017	J	0.041	LOD	0.052	LOQ	ug/L	J	Rl
BENZO(A)PYRENE	0.015	J	0.041	LOD	0.052	LOQ	ug/L	J	Rl
BENZO(B)FLUORANTHENE	0.039	J	0.041	LOD	0.052	LOQ	ug/L	J	Rl
BENZO(G,H,I)PERYLENE	0.011	J	0.041	LOD	0.052	LOQ	ug/L	J	Rl, Fd
BENZO(K)FLUORANTHENE	0.014	J	0.041	LOD	0.052	LOQ	ug/L	J	Rl
CHRYSENE	0.035	J	0.041	LOD	0.052	LOQ	ug/L	J	Rl, Fd
FLUORANTHENE	0.033	J	0.041	LOD	0.052	LOQ	ug/L	J	Rl
FLUORENE	0.013	J	0.041	LOD	0.052	LOQ	ug/L	J	Rl
INDENO(1,2,3-CD)PYRENE	0.012	J	0.041	LOD	0.052	LOQ	ug/L	J	Rl, Fd
NAPHTHALENE	0.060	J	0.062	LOD	0.062	LOQ	ug/L	J	Rl, Fd
PYRENE	0.028	J	0.041	LOD	0.052	LOQ	ug/L	J	Rl

Sample ID: CH-SWSD035-SW01D **Collected:** 6/6/2017 11:40:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	UJ	Fd
2-METHYLNAPHTHALENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	UJ	Fd
ACENAPHTHENE	0.024	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl, Fd
BENZ(A)ANTHRACENE	0.015	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl
BENZO(A)PYRENE	0.014	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl
BENZO(B)FLUORANTHENE	0.031	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl
BENZO(G,H,I)PERYLENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	UJ	Fd
BENZO(K)FLUORANTHENE	0.014	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl
CHRYSENE	0.023	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl, Fd
FLUORANTHENE	0.025	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl
FLUORENE	0.011	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl
INDENO(1,2,3-CD)PYRENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	UJ	Fd
NAPHTHALENE	0.061	U	0.061	LOD	0.061	LOQ	ug/L	UJ	Fd
PYRENE	0.021	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-SWSD035-SW01D-F **Collected:** 6/6/2017 11:40:00 AM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.011	J	0.040	LOD	0.050	LOQ	ug/L	J	Rl, Fd
ACENAPHTHENE	0.019	J	0.040	LOD	0.050	LOQ	ug/L	J	Rl, Fd
BENZ(A)ANTHRACENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	UJ	Fd
BENZO(A)PYRENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	UJ	Fd
BENZO(B)FLUORANTHENE	0.011	J	0.040	LOD	0.050	LOQ	ug/L	J	Rl, Fd
BENZO(K)FLUORANTHENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	UJ	Fd
CHRYSENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	UJ	Fd
FLUORANTHENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	UJ	Fd
NAPHTHALENE	0.062		0.060	LOD	0.060	LOQ	ug/L	J	Fd
PYRENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	UJ	Fd

Sample ID: CH-SWSD035-SW01-F **Collected:** 6/6/2017 11:40:00 AM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	UJ	Fd
ACENAPHTHENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	UJ	Fd
BENZ(A)ANTHRACENE	0.015	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl, Fd
BENZO(A)PYRENE	0.016	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl, Fd
BENZO(B)FLUORANTHENE	0.031	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl, Fd
BENZO(K)FLUORANTHENE	0.015	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl, Fd
CHRYSENE	0.025	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl, Fd
FLUORANTHENE	0.032	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl, Fd
NAPHTHALENE	0.045	J	0.061	LOD	0.061	LOQ	ug/L	J	Rl, Fd
PYRENE	0.028	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl, Fd

Sample ID: CH-SWSD036-SW01 **Collected:** 6/6/2017 11:25:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.038	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl
FLUORANTHENE	0.024	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl
PHENANTHRENE	0.037	J	0.061	LOD	0.061	LOQ	ug/L	J	Rl
PYRENE	0.015	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-SWSD037-SW01 **Collected:** 6/6/2017 11:00:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.036	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
2-METHYLNAPHTHALENE	0.029	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
FLUORANTHENE	0.017	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
PYRENE	0.011	J	0.040	LOD	0.051	LOQ	ug/L	J	RI

Sample ID: CH-SWSD038-SW01 **Collected:** 6/6/2017 10:35:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.017	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
2-METHYLNAPHTHALENE	0.016	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
FLUORENE	0.022	J	0.040	LOD	0.051	LOQ	ug/L	J	RI

Sample ID: CH-SWSD039-SW01 **Collected:** 6/6/2017 10:15:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.016	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
2-METHYLNAPHTHALENE	0.016	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
ACENAPHTHENE	0.036	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
FLUORENE	0.017	J	0.040	LOD	0.051	LOQ	ug/L	J	RI

Sample ID: CH-SWSD040-SW01 **Collected:** 6/6/2017 10:00:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.014	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
2-METHYLNAPHTHALENE	0.017	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
ACENAPHTHENE	0.027	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
FLUORENE	0.013	J	0.041	LOD	0.051	LOQ	ug/L	J	RI

Sample ID: CH-SWSD040-SW01D **Collected:** 6/6/2017 10:00:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.013	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
2-METHYLNAPHTHALENE	0.014	J	0.040	LOD	0.050	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-SWSD040-SW01D **Collected:** 6/6/2017 10:00:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.024	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
FLUORENE	0.010	J	0.040	LOD	0.050	LOQ	ug/L	J	RI

Sample ID: CH-SWSD041-SW01 **Collected:** 6/6/2017 9:40:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.016	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
2-METHYLNAPHTHALENE	0.020	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
ACENAPHTHENE	0.033	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
FLUORENE	0.014	J	0.040	LOD	0.051	LOQ	ug/L	J	RI

Sample ID: CH-SWSD042-SW01 **Collected:** 6/6/2017 9:20:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.020	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
2-METHYLNAPHTHALENE	0.025	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
BENZO(B)FLUORANTHENE	0.013	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
FLUORANTHENE	0.016	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
FLUORENE	0.018	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
PYRENE	0.016	J	0.041	LOD	0.051	LOQ	ug/L	J	RI

Sample ID: CH-SWSD043-SW01 **Collected:** 6/6/2017 9:10:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.011	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
ACENAPHTHENE	0.022	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
NAPHTHALENE	0.047	J	0.061	LOD	0.061	LOQ	ug/L	J	RI

Sample ID: CH-SWSD044-SW01 **Collected:** 6/6/2017 8:50:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.011	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
2-METHYLNAPHTHALENE	0.013	J	0.041	LOD	0.051	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD044-SW01** ***Collected:*** **6/6/2017 8:50:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.018	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
NAPHTHALENE	0.041	J	0.061	LOD	0.061	LOQ	ug/L	J	RI

Sample ID: **CH-SWSD045-SW01** ***Collected:*** **6/6/2017 8:30:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.011	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
ACENAPHTHENE	0.017	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
NAPHTHALENE	0.048	J	0.061	LOD	0.061	LOQ	ug/L	J	RI

Sample ID: **CH-SWSD045-SW01D** ***Collected:*** **6/6/2017 8:30:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.012	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
ACENAPHTHENE	0.015	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
NAPHTHALENE	0.049	J	0.061	LOD	0.061	LOQ	ug/L	J	RI

Sample ID: **CH-SWSD080-SW01** ***Collected:*** **6/5/2017 4:15:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.022	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
2-METHYLNAPHTHALENE	0.027	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
BENZO(B)FLUORANTHENE	0.015	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
CHRYSENE	0.022	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
FLUORANTHENE	0.020	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
FLUORENE	0.028	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
PYRENE	0.012	J	0.041	LOD	0.051	LOQ	ug/L	J	RI

Sample ID: **CH-SWSD081-SW01** ***Collected:*** **6/5/2017 3:45:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.018	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
2-METHYLNAPHTHALENE	0.022	J	0.040	LOD	0.051	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD081-SW01** ***Collected:*** **6/5/2017 3:45:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
BENZ(A)ANTHRACENE	0.011	J	0.040	LOD	0.051	LOQ	ug/L	J	Rl, Fd
BENZO(A)PYRENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	UJ	Fd
BENZO(B)FLUORANTHENE	0.017	J	0.040	LOD	0.051	LOQ	ug/L	J	Rl, Fd
BENZO(G,H,I)PERYLENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	UJ	Fd
BENZO(K)FLUORANTHENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	UJ	Fd
CHRYSENE	0.015	J	0.040	LOD	0.051	LOQ	ug/L	J	Rl, Fd
FLUORANTHENE	0.016	J	0.040	LOD	0.051	LOQ	ug/L	J	Rl, Fd
FLUORENE	0.025	J	0.040	LOD	0.051	LOQ	ug/L	J	Rl
INDENO(1,2,3-CD)PYRENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	UJ	Fd
NAPHTHALENE	0.050	J	0.061	LOD	0.061	LOQ	ug/L	J	Rl
PYRENE	0.011	J	0.040	LOD	0.051	LOQ	ug/L	J	Rl, Fd

Sample ID: **CH-SWSD081-SW01D** ***Collected:*** **6/5/2017 3:45:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.022	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl
2-METHYLNAPHTHALENE	0.025	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl
BENZ(A)ANTHRACENE	0.020	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl, Fd
BENZO(A)PYRENE	0.016	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl, Fd
BENZO(B)FLUORANTHENE	0.049	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl, Fd
BENZO(G,H,I)PERYLENE	0.012	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl, Fd
BENZO(K)FLUORANTHENE	0.020	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl, Fd
CHRYSENE	0.038	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl, Fd
FLUORANTHENE	0.042	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl, Fd
FLUORENE	0.027	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl
INDENO(1,2,3-CD)PYRENE	0.014	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl, Fd
NAPHTHALENE	0.059	J	0.061	LOD	0.061	LOQ	ug/L	J	Rl
PYRENE	0.033	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl, Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-SWSD082-SW01 **Collected:** 6/5/2017 3:20:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.024	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
2-METHYLNAPHTHALENE	0.029	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
BENZ(A)ANTHRACENE	0.011	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
BENZO(B)FLUORANTHENE	0.020	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
CHRYSENE	0.019	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
FLUORANTHENE	0.022	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
FLUORENE	0.027	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
PYRENE	0.017	J	0.040	LOD	0.051	LOQ	ug/L	J	RI

Sample ID: CH-SWSD083-SW01 **Collected:** 6/5/2017 3:00:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.019	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
2-METHYLNAPHTHALENE	0.021	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
BENZ(A)ANTHRACENE	0.011	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
BENZO(B)FLUORANTHENE	0.015	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
CHRYSENE	0.015	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
FLUORANTHENE	0.017	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
FLUORENE	0.025	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
NAPHTHALENE	0.055	J	0.061	LOD	0.061	LOQ	ug/L	J	RI
PYRENE	0.012	J	0.041	LOD	0.051	LOQ	ug/L	J	RI

Sample ID: CH-SWSD084-SW01 **Collected:** 6/5/2017 2:45:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.021	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
2-METHYLNAPHTHALENE	0.025	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
BENZO(B)FLUORANTHENE	0.012	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
CHRYSENE	0.013	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
FLUORANTHENE	0.014	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
FLUORENE	0.025	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
NAPHTHALENE	0.059	J	0.060	LOD	0.060	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-SWSD085-SW01 **Collected:** 6/5/2017 2:15:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.017	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl
2-METHYLNAPHTHALENE	0.018	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl
BENZ(A)ANTHRACENE	0.012	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl
BENZO(B)FLUORANTHENE	0.019	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl
BENZO(K)FLUORANTHENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	UJ	Fd
CHRYSENE	0.019	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl
FLUORANTHENE	0.019	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl
FLUORENE	0.020	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl
NAPHTHALENE	0.061	J	0.061	LOD	0.061	LOQ	ug/L	J	Fd
PYRENE	0.014	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl

Sample ID: CH-SWSD085-SW01D **Collected:** 6/5/2017 2:15:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.017	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl
2-METHYLNAPHTHALENE	0.018	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl
BENZ(A)ANTHRACENE	0.014	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl
BENZO(B)FLUORANTHENE	0.021	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl
BENZO(K)FLUORANTHENE	0.011	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl, Fd
CHRYSENE	0.020	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl
FLUORANTHENE	0.021	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl
FLUORENE	0.022	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl
NAPHTHALENE	0.041	J	0.061	LOD	0.061	LOQ	ug/L	J	Rl, Fd
PYRENE	0.016	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl

Sample ID: CH-SWSD086-SW01 **Collected:** 6/5/2017 1:45:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.017	J	0.040	LOD	0.051	LOQ	ug/L	J	Rl
2-METHYLNAPHTHALENE	0.016	J	0.040	LOD	0.051	LOQ	ug/L	J	Rl
BENZO(B)FLUORANTHENE	0.016	J	0.040	LOD	0.051	LOQ	ug/L	J	Rl
CHRYSENE	0.016	J	0.040	LOD	0.051	LOQ	ug/L	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-SWSD086-SW01 **Collected:** 6/5/2017 1:45:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORANTHENE	0.015	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
FLUORENE	0.019	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
NAPHTHALENE	0.041	J	0.061	LOD	0.061	LOQ	ug/L	J	RI
PYRENE	0.012	J	0.040	LOD	0.051	LOQ	ug/L	J	RI

Sample ID: CH-SWSD087-SW01 **Collected:** 6/5/2017 2:20:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.016	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
2-METHYLNAPHTHALENE	0.016	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
BENZO(B)FLUORANTHENE	0.016	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
CHRYSENE	0.015	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
FLUORANTHENE	0.015	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
FLUORENE	0.019	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
NAPHTHALENE	0.042	J	0.060	LOD	0.060	LOQ	ug/L	J	RI
PYRENE	0.011	J	0.040	LOD	0.050	LOQ	ug/L	J	RI

Sample ID: CH-SWSD088-SW01 **Collected:** 6/5/2017 1:10:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.013	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
2-METHYLNAPHTHALENE	0.012	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
BENZ(A)ANTHRACENE	0.044	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
BENZO(A)PYRENE	0.035	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
BENZO(G,H,I)PERYLENE	0.020	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
BENZO(K)FLUORANTHENE	0.031	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
FLUORENE	0.015	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
INDENO(1,2,3-CD)PYRENE	0.022	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
NAPHTHALENE	0.035	J	0.061	LOD	0.061	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-SWSD089-SW01 **Collected:** 6/5/2017 1:00:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.014	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
2-METHYLNAPHTHALENE	0.014	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
BENZ(A)ANTHRACENE	0.011	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
BENZO(B)FLUORANTHENE	0.018	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
CHRYSENE	0.017	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
FLUORANTHENE	0.020	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
FLUORENE	0.015	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
NAPHTHALENE	0.051	J	0.061	LOD	0.061	LOQ	ug/L	J	RI
PYRENE	0.016	J	0.041	LOD	0.051	LOQ	ug/L	J	RI

Sample ID: CH-SWSD090-SW01 **Collected:** 6/5/2017 11:45:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.011	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
BENZO(B)FLUORANTHENE	0.016	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
CHRYSENE	0.016	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
FLUORANTHENE	0.016	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
FLUORENE	0.012	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
NAPHTHALENE	0.031	J	0.060	LOD	0.060	LOQ	ug/L	J	RI
PYRENE	0.012	J	0.040	LOD	0.050	LOQ	ug/L	J	RI

Sample ID: CH-SWSD091-SW01 **Collected:** 6/5/2017 11:30:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.050	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
BENZO(B)FLUORANTHENE	0.015	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
CHRYSENE	0.015	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
FLUORANTHENE	0.016	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
FLUORENE	0.013	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
NAPHTHALENE	0.040	J	0.061	LOD	0.061	LOQ	ug/L	J	RI
PYRENE	0.011	J	0.040	LOD	0.051	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-SWSD092-SW01 **Collected:** 6/5/2017 11:15:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.041	J	0.041	LOD	0.052	LOQ	ug/L	J	RI
BENZ(A)ANTHRACENE	0.011	J	0.041	LOD	0.052	LOQ	ug/L	J	RI
BENZO(B)FLUORANTHENE	0.019	J	0.041	LOD	0.052	LOQ	ug/L	J	RI
CHRYSENE	0.018	J	0.041	LOD	0.052	LOQ	ug/L	J	RI
FLUORANTHENE	0.018	J	0.041	LOD	0.052	LOQ	ug/L	J	RI
FLUORENE	0.011	J	0.041	LOD	0.052	LOQ	ug/L	J	RI
NAPHTHALENE	0.041	J	0.062	LOD	0.062	LOQ	ug/L	J	RI
PYRENE	0.016	J	0.041	LOD	0.052	LOQ	ug/L	J	RI

Sample ID: CH-SWSD093-SW01 **Collected:** 6/5/2017 10:30:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.011	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
ACENAPHTHENE	0.042	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
BENZO(B)FLUORANTHENE	0.017	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
CHRYSENE	0.016	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
FLUORANTHENE	0.017	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
NAPHTHALENE	0.046	J	0.062	LOD	0.062	LOQ	ug/L	J	RI
PYRENE	0.012	J	0.041	LOD	0.051	LOQ	ug/L	J	RI

Sample ID: CH-SWSD094-SW01 **Collected:** 6/5/2017 9:40:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.012	J	0.041	LOD	0.052	LOQ	ug/L	J	RI
ACENAPHTHENE	0.050	J	0.041	LOD	0.052	LOQ	ug/L	J	RI
BENZO(B)FLUORANTHENE	0.018	J	0.041	LOD	0.052	LOQ	ug/L	J	RI
CHRYSENE	0.018	J	0.041	LOD	0.052	LOQ	ug/L	J	RI
FLUORANTHENE	0.022	J	0.041	LOD	0.052	LOQ	ug/L	J	RI
FLUORENE	0.012	J	0.041	LOD	0.052	LOQ	ug/L	J	RI
NAPHTHALENE	0.033	J	0.062	LOD	0.062	LOQ	ug/L	J	RI
PYRENE	0.015	J	0.041	LOD	0.052	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD095-SW01** ***Collected:*** **6/5/2017 9:30:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.012	J	0.040	LOD	0.051	LOQ	ug/L	J	Rl
2-METHYLNAPHTHALENE	0.011	J	0.040	LOD	0.051	LOQ	ug/L	J	Rl, Fd
BENZ(A)ANTHRACENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	UJ	Fd
BENZO(B)FLUORANTHENE	0.015	J	0.040	LOD	0.051	LOQ	ug/L	J	Rl, Fd
BENZO(K)FLUORANTHENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	UJ	Fd
CHRYSENE	0.016	J	0.040	LOD	0.051	LOQ	ug/L	J	Rl, Fd
FLUORANTHENE	0.017	J	0.040	LOD	0.051	LOQ	ug/L	J	Rl
FLUORENE	0.011	J	0.040	LOD	0.051	LOQ	ug/L	J	Rl
INDENO(1,2,3-CD)PYRENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	UJ	Fd
NAPHTHALENE	0.038	J	0.061	LOD	0.061	LOQ	ug/L	J	Rl
PYRENE	0.011	J	0.040	LOD	0.051	LOQ	ug/L	J	Rl, Fd

Sample ID: **CH-SWSD095-SW01D** ***Collected:*** **6/5/2017 9:30:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.012	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl
2-METHYLNAPHTHALENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	UJ	Fd
BENZ(A)ANTHRACENE	0.012	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl, Fd
BENZO(B)FLUORANTHENE	0.027	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl, Fd
BENZO(K)FLUORANTHENE	0.012	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl, Fd
CHRYSENE	0.024	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl, Fd
FLUORANTHENE	0.023	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl
FLUORENE	0.013	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl
INDENO(1,2,3-CD)PYRENE	0.011	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl, Fd
NAPHTHALENE	0.040	J	0.061	LOD	0.061	LOQ	ug/L	J	Rl
PYRENE	0.018	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl, Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Reason Code Legend

Reason Code	*Description*
Fd	Field Duplicate Precision
Lcs	Laboratory Control Precision
Ld	Laboratory Duplicate Precision
Mb	Method Blank Contamination
Ms	Matrix Spike Lower Estimation
Ms	Matrix Spike Precision
Ms	Matrix Spike Upper Estimation
ProfJudg	Professional Judgment
RI	Reporting Limit Trace Value
StoE	Sampling to Extraction Estimation
Surr	Surrogate/Tracer Recovery Lower Estimation

* denotes a non-reportable result

QC Outlier Report: HoldingTimes

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D **Preparation Method: SW3510C**

Matrix: WATER

Sample ID	Type	Actual	Criteria	Units	Flag
CH-SWSD035-SW01D-X (Reanalysi	Sampling To Extraction	13.00	7.00	DAYS	J- (all detects)
CH-SWSD112-SW01-X (Reanalysis-		9.00	7.00	DAYS	UJ (all non-detects)

Surrogate Outlier Report

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D**
Matrix: **WATER**

Sample ID (Analysis Type)	*Surrogate*	*Sample % Recovery*	*% Recovery Limits*	*Affected Compounds*	*Flag*
CH-SWSD035-SW01D (Initial/ TOT)	2,4,6-TRIBROMOPHENOL 2-FLUOROBIPHENYL 2-FLUOROPHENOL Nitrobenzene-d5 PHENOL-D6	42 32 3 16 5	43.00-140.00 44.00-119.00 19.00-119.00 44.00-120.00 10.00-71.00	All Target Analytes	J- (all detects) UJ (all non-detects)
CH-SWSD112-SW01 (Initial/TOT)	2,4,6-TRIBROMOPHENOL	38	43.00-140.00	No Affected Compounds	
CH-SWSD112-SW01-X (Reanalysis-01/ TOT)	Nitrobenzene-d5	1	44.00-120.00	No Affected Compounds	

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: WATER

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-SWSD093-SW01MS (Total) CH-SWSD093-SW01MSD (Total) (CH-SWSD093-SW01)	ANTIMONY	82	-	85.00-117.00	23 (20.00)	ANTIMONY	J (all detects) UJ (all non-detects)
CH-SWSD042-SW01MSD (Total) (CH-SWSD042-SW01)	CALCIUM	-	84	87.00-118.00	-	CALCIUM	J-(all detects) UJ(all non-detects)

Method: 8270D
Matrix: WATER

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-SWSD093-SW01MSD (CH-SWSD093-SW01)	4-Chloroaniline [p-Chloroaniline] CAPROLACTAM	- -	- -	33.00-117.00 13.00-37.00	37 (20.00) 22 (20.00)	4-Chloroaniline [p-Chloroaniline] CAPROLACTAM	J(all detects)

Method: 6020A
Matrix: WATER

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-SWSD112-SW01MS (Total) (CH-SWSD112-SW01)	MANGANESE	84	-	87.00-115.00	-	MANGANESE	J-(all detects) UJ(all non-detects)
CH-SWSD112-SW01MSD (Total) (CH-SWSD112-SW01)	IRON	-	122	87.00-118.00	-	IRON	J+(all detects)

Lab Duplicate Outlier Report

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: WATER

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
CH-SWSD112-SW01DUP (Total) (CH-SWSD112-SW01)	CADMIUM VANADIUM	21 24	20.00 20.00	J (all detects) UJ (all non-detects)
CH-SWSD093-SW01DUP (Total) (CH-SWSD093-SW01)	CHROMIUM	26	20.00	J(all detects) UJ(all non-detects)
CH-SWSD042-SW01DUP (Total) (CH-SWSD042-SW01)	NICKEL	44	20.00	J(all detects) UJ(all non-detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 218.6
Matrix: WATER

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD040-SW01 (Total)	CH-SWSD040-SW01D (Total)			
Hexavalent Chromium [Cr (VI)]	0.31	0.25	21	30.00	No Qualifiers Applied

Method: 6020A
Matrix: WATER

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD081-SW01 (Total)	CH-SWSD081-SW01D (Total)			
ALUMINUM	636	579	9	30.00	
BARIUM	26.4	23.7	11	30.00	
BERYLLIUM	0.20	0.21	5	30.00	
CALCIUM	2240	2190	2	30.00	
COBALT	0.65	0.63	3	30.00	
COPPER	0.68	0.78	14	30.00	
LEAD	0.33	0.26	24	30.00	No Qualifiers Applied
MAGNESIUM	2730	2810	3	30.00	
MANGANESE	22.2	23.7	7	30.00	
NICKEL	1.1	1.0	10	30.00	
POTASSIUM	791	832	5	30.00	
SODIUM	21600	22900	6	30.00	
ZINC	7.6	6.9	10	30.00	
CHROMIUM	1.3	0.88	39	30.00	J(all detects) UJ(all non-detects)
IRON	332	244	31	30.00	
VANADIUM	1.7	1.2	34	30.00	

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD035-SW01 (Total)	CH-SWSD035-SW01D (Total)			
BARIUM	17.9	22.9	25	30.00	
CALCIUM	6770	7280	7	30.00	
CHROMIUM	2.2	2.3	4	30.00	
COPPER	1.8	2.1	15	30.00	
IRON	1030	1360	28	30.00	
MAGNESIUM	2750	2830	3	30.00	No Qualifiers Applied
NICKEL	1.3	1.2	8	30.00	
POTASSIUM	1790	1820	2	30.00	
SODIUM	17600	17700	1	30.00	
VANADIUM	2.4	3.0	22	30.00	
ZINC	36.1	41.8	15	30.00	
ALUMINUM	571	833	37	30.00	
BERYLLIUM	1.0 U	0.13	200	30.00	J(all detects) UJ(all non-detects)
COBALT	0.62	1.1	56	30.00	
LEAD	0.89	1.3	37	30.00	
MANGANESE	87.8	125	35	30.00	

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD040-SW01 (Total)	CH-SWSD040-SW01D (Total)			

Field Duplicate RPD Report

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: WATER

ALUMINUM	285	280	2	30.00	
BARIUM	16.6	15.9	4	30.00	
CALCIUM	4110	4310	5	30.00	
CHROMIUM	1.2	1.4	15	30.00	
COBALT	0.34	0.44	26	30.00	
COPPER	0.82	0.86	5	30.00	
IRON	664	668	1	30.00	
LEAD	0.21	0.21	0	30.00	No Qualifiers Applied
MAGNESIUM	2870	2940	2	30.00	
MANGANESE	33.2	34.9	5	30.00	
NICKEL	1.1	1.2	9	30.00	
POTASSIUM	1200	1210	1	30.00	
SODIUM	18400	18800	2	30.00	
VANADIUM	1.3	1.0	26	30.00	
ZINC	4.5	4.0	12	30.00	

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD035-SW01-F (Dissolved)	CH-SWSD035-SW01D-F (Dissolved)			
ALUMINUM	235	228	3	30.00	
BARIUM	14.8	14.3	3	30.00	
CALCIUM	5200	5700	9	30.00	
CHROMIUM	1.3	1.4	7	30.00	
COBALT	0.60	0.68	13	30.00	
COPPER	1.3	1.0	26	30.00	No Qualifiers Applied
IRON	438	444	1	30.00	
LEAD	0.39	0.33	17	30.00	
MAGNESIUM	2510	2540	1	30.00	
POTASSIUM	1580	1530	3	30.00	
SODIUM	16100	16400	2	30.00	
VANADIUM	1.4	1.2	15	30.00	
MANGANESE	76.2	112	38	30.00	J(all detects)
NICKEL	1.0	4.0 U	200	30.00	UJ(all non-detects)

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD085-SW01 (Total)	CH-SWSD085-SW01D (Total)			
ALUMINUM	533	493	8	30.00	
BARIUM	24.7	24.1	2	30.00	
BERYLLIUM	0.18	0.18	0	30.00	
CALCIUM	1880	1940	3	30.00	
CHROMIUM	1.0	0.97	3	30.00	
COBALT	0.49	0.60	20	30.00	
COPPER	0.63	0.67	6	30.00	
IRON	222	249	11	30.00	No Qualifiers Applied
LEAD	0.22	0.22	0	30.00	
MAGNESIUM	2740	2720	1	30.00	
MANGANESE	21.8	22.3	2	30.00	
NICKEL	0.93	1.1	17	30.00	
POTASSIUM	798	816	2	30.00	
SODIUM	22300	22200	0	30.00	
VANADIUM	1.2	1.1	9	30.00	
ZINC	7.5	7.3	3	30.00	

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD045-SW01 (Total)	CH-SWSD045-SW01D (Total)			

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Field Duplicate RPD Report

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: WATER

ALUMINUM	280	282	1	30.00	
BARIUM	15.9	17.0	7	30.00	
CALCIUM	4330	3920	10	30.00	
CHROMIUM	1.4	1.1	24	30.00	
COBALT	0.45	0.58	25	30.00	
COPPER	0.97	0.73	28	30.00	
IRON	855	880	3	30.00	
LEAD	0.22	0.22	0	30.00	No Qualifiers Applied
MAGNESIUM	2810	2910	3	30.00	
MANGANESE	44.2	46.8	6	30.00	
NICKEL	1.3	0.97	29	30.00	
POTASSIUM	1130	1240	9	30.00	
SODIUM	17600	18100	3	30.00	
VANADIUM	1.2	1.3	8	30.00	
ZINC	5.3	4.4	19	30.00	

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD095-SW01 (Total)	CH-SWSD095-SW01D (Total)			
ALUMINUM	597	745	22	30.00	
BARIUM	21.4	26.9	23	30.00	
BERYLLIUM	0.16	0.15	6	30.00	
CALCIUM	2320	2170	7	30.00	
COBALT	0.53	0.54	2	30.00	
COPPER	0.81	1.1	30	30.00	
IRON	350	333	5	30.00	
MAGNESIUM	2700	2600	4	30.00	No Qualifiers Applied
MANGANESE	28.9	29.8	3	30.00	
NICKEL	1.2	0.92	26	30.00	
POTASSIUM	948	914	4	30.00	
SODIUM	21500	21000	2	30.00	
VANADIUM	1.2	1.5	22	30.00	
ZINC	8.5	8.9	5	30.00	
CHROMIUM	0.98	1.4	35	30.00	J(all detects)
LEAD	0.34	0.86	87	30.00	UJ(all non-detects)

Method: 8270D SIM
Matrix: WATER

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD035-SW01	CH-SWSD035-SW01D			
BENZ(A)ANTHRACENE	0.017	0.015	13	30.00	
BENZO(A)PYRENE	0.015	0.014	7	30.00	
BENZO(B)FLUORANTHENE	0.039	0.031	23	30.00	
BENZO(K)FLUORANTHENE	0.014	0.014	0	30.00	No Qualifiers Applied
FLUORANTHENE	0.033	0.025	28	30.00	
FLUORENE	0.013	0.011	17	30.00	
PYRENE	0.028	0.021	29	30.00	
1-METHYLNAPHTHALENE	0.012	0.051 U	200	30.00	
2-METHYLNAPHTHALENE	0.011	0.051 U	200	30.00	
ACENAPHTHENE	0.035	0.024	37	30.00	
BENZO(G,H,I)PERYLENE	0.011	0.051 U	200	30.00	J(all detects)
CHRYSENE	0.035	0.023	41	30.00	UJ(all non-detects)
INDENO(1,2,3-CD)PYRENE	0.012	0.051 U	200	30.00	
NAPHTHALENE	0.060	0.061 U	200	30.00	

Field Duplicate RPD Report

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D SIM
Matrix: WATER

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD081-SW01	CH-SWSD081-SW01D			
1-METHYLNAPHTHALENE	0.018	0.022	20	30.00	
2-METHYLNAPHTHALENE	0.022	0.025	13	30.00	
ACENAPHTHENE	0.078	0.088	12	30.00	No Qualifiers Applied
FLUORENE	0.025	0.027	8	30.00	
NAPHTHALENE	0.050	0.059	17	30.00	
BENZ(A)ANTHRACENE	0.011	0.020	58	30.00	
BENZO(A)PYRENE	0.051 U	0.016	200	30.00	
BENZO(B)FLUORANTHENE	0.017	0.049	97	30.00	
BENZO(G,H,I)PERYLENE	0.051 U	0.012	200	30.00	
BENZO(K)FLUORANTHENE	0.051 U	0.020	200	30.00	J(all detects) UJ(all non-detects)
CHRYSENE	0.015	0.038	87	30.00	
FLUORANTHENE	0.016	0.042	90	30.00	
INDENO(1,2,3-CD)PYRENE	0.051 U	0.014	200	30.00	
PYRENE	0.011	0.033	100	30.00	

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD040-SW01	CH-SWSD040-SW01D			
1-METHYLNAPHTHALENE	0.014	0.013	7	30.00	
2-METHYLNAPHTHALENE	0.017	0.014	19	30.00	
ACENAPHTHENE	0.027	0.024	12	30.00	No Qualifiers Applied
FLUORENE	0.013	0.010	26	30.00	
NAPHTHALENE	0.083	0.076	9	30.00	

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD035-SW01-F	CH-SWSD035-SW01D-F			
1-METHYLNAPHTHALENE	0.051 U	0.011	200	30.00	
ACENAPHTHENE	0.051 U	0.019	200	30.00	
BENZ(A)ANTHRACENE	0.015	0.050 U	200	30.00	
BENZO(A)PYRENE	0.016	0.050 U	200	30.00	
BENZO(B)FLUORANTHENE	0.031	0.011	95	30.00	J(all detects)
BENZO(K)FLUORANTHENE	0.015	0.050 U	200	30.00	UJ(all non-detects)
CHRYSENE	0.025	0.050 U	200	30.00	
FLUORANTHENE	0.032	0.050 U	200	30.00	
NAPHTHALENE	0.045	0.062	32	30.00	
PYRENE	0.028	0.050 U	200	30.00	

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD085-SW01	CH-SWSD085-SW01D			
1-METHYLNAPHTHALENE	0.017	0.017	0	30.00	
2-METHYLNAPHTHALENE	0.018	0.018	0	30.00	
ACENAPHTHENE	0.082	0.084	2	30.00	
BENZ(A)ANTHRACENE	0.012	0.014	15	30.00	
BENZO(B)FLUORANTHENE	0.019	0.021	10	30.00	No Qualifiers Applied
CHRYSENE	0.019	0.020	5	30.00	
FLUORANTHENE	0.019	0.021	10	30.00	
FLUORENE	0.020	0.022	10	30.00	
PYRENE	0.014	0.016	13	30.00	
BENZO(K)FLUORANTHENE	0.051 U	0.011	200	30.00	J(all detects)
NAPHTHALENE	0.061	0.041	39	30.00	UJ(all non-detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D SIM
Matrix: WATER

Analyte	Concentration (ug/L) CH-SWSD045-SW01	CH-SWSD045-SW01D	Sample RPD	eQAPP RPD	Flag
2-METHYLNAPHTHALENE	0.011	0.012	9	30.00	
ACENAPHTHENE	0.017	0.015	13	30.00	No Qualifiers Applied
NAPHTHALENE	0.048	0.049	2	30.00	

Analyte	Concentration (ug/L) CH-SWSD095-SW01	CH-SWSD095-SW01D	Sample RPD	eQAPP RPD	Flag
1-METHYLNAPHTHALENE	0.012	0.012	0	30.00	
ACENAPHTHENE	0.053	0.056	6	30.00	
FLUORANTHENE	0.017	0.023	30	30.00	No Qualifiers Applied
FLUORENE	0.011	0.013	17	30.00	
NAPHTHALENE	0.038	0.040	5	30.00	
2-METHYLNAPHTHALENE	0.011	0.051 U	200	30.00	
BENZ(A)ANTHRACENE	0.051 U	0.012	200	30.00	
BENZO(B)FLUORANTHENE	0.015	0.027	57	30.00	
BENZO(K)FLUORANTHENE	0.051 U	0.012	200	30.00	J(all detects) UJ(all non-detects)
CHRYSENE	0.016	0.024	40	30.00	
INDENO(1,2,3-CD)PYRENE	0.051 U	0.011	200	30.00	
PYRENE	0.011	0.018	48	30.00	

Method: Calculation
Matrix: WATER

Analyte	Concentration (ug/L) CH-SWSD040-SW01 (Total)	CH-SWSD040-SW01D (Total)	Sample RPD	eQAPP RPD	Flag
TRIVALENT CHROMIUM	0.92	1.2	26	20.00	J(all detects) UJ(all non-detects)

Method: SM 2340B
Matrix: WATER

Analyte	Concentration (ug/L) CH-SWSD035-SW01	CH-SWSD035-SW01D	Sample RPD	eQAPP RPD	Flag
HARDNESS (AS CACO3)	28200	29800	6	30.00	No Qualifiers Applied

Analyte	Concentration (ug/L) CH-SWSD081-SW01	CH-SWSD081-SW01D	Sample RPD	eQAPP RPD	Flag
HARDNESS (AS CACO3)	16800	17000	1	30.00	No Qualifiers Applied

Analyte	Concentration (ug/L) CH-SWSD040-SW01	CH-SWSD040-SW01D	Sample RPD	eQAPP RPD	Flag
HARDNESS (AS CACO3)	22100	22900	4	30.00	No Qualifiers Applied

Analyte	Concentration (ug/L) CH-SWSD035-SW01-F	CH-SWSD035-SW01D-F	Sample RPD	eQAPP RPD	Flag

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Field Duplicate RPD Report

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: SM 2340B
Matrix: WATER

HARDNESS (AS CACO3)	23300	24700	6	30.00	No Qualifiers Applied

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD085-SW01	CH-SWSD085-SW01D			
HARDNESS (AS CACO3)	16000	16000	0	30.00	No Qualifiers Applied

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD045-SW01	CH-SWSD045-SW01D			
HARDNESS (AS CACO3)	22400	21800	3	30.00	No Qualifiers Applied

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD095-SW01	CH-SWSD095-SW01D			
HARDNESS (AS CACO3)	16900	16100	5	30.00	No Qualifiers Applied

Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D**
Matrix: **WATER**

QC Sample ID (Associated Samples)	*Compound*	*LCS %R*	*LCSD %R*	*%R Limits*	*RPD (Limits)*	*Affected Compounds*	*Flag*
P0WCLCSY160WAC026 (CH-SWSD031-SW01 CH-SWSD031-SW01-F CH-SWSD032-SW01 CH-SWSD032-SW01-F CH-SWSD033-SW01 CH-SWSD033-SW01-F CH-SWSD034-SW01 CH-SWSD035-SW01 CH-SWSD035-SW01D CH-SWSD036-SW01 CH-SWSD037-SW01 CH-SWSD038-SW01 CH-SWSD039-SW01 CH-SWSD040-SW01 CH-SWSD040-SW01D CH-SWSD041-SW01 CH-SWSD042-SW01 CH-SWSD043-SW01 CH-SWSD044-SW01 CH-SWSD045-SW01D)	BENZOIC ACID	-	-	10.00-81.00	42 (30.00)	BENZOIC ACID	J (all detects) UJ (all non-detects)

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Reporting Limit Outliers

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD031-SW01	BERYLLIUM	J	0.12	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.6	4.0	LOQ	ug/L	
	COPPER	J	3.2	4.0	LOQ	ug/L	
	NICKEL	J	1.4	4.0	LOQ	ug/L	
	ZINC	J	11.7	30.0	LOQ	ug/L	
CH-SWSD031-SW01-F	ALUMINUM	J	113	200	LOQ	ug/L	J (all detects)
	CHROMIUM	J	0.73	4.0	LOQ	ug/L	
	COBALT	J	0.36	1.0	LOQ	ug/L	
	COPPER	J	1.1	4.0	LOQ	ug/L	
	LEAD	J	0.16	2.0	LOQ	ug/L	
	VANADIUM	J	0.61	1.0	LOQ	ug/L	
	ZINC	J	6.0	30.0	LOQ	ug/L	
CH-SWSD032-SW01	ARSENIC	J	0.85	4.0	LOQ	ug/L	J (all detects)
	BERYLLIUM	J	0.27	1.0	LOQ	ug/L	
	NICKEL	J	2.9	4.0	LOQ	ug/L	
CH-SWSD032-SW01-F	ALUMINUM	J	166	200	LOQ	ug/L	J (all detects)
	CHROMIUM	J	0.85	4.0	LOQ	ug/L	
	COBALT	J	0.30	1.0	LOQ	ug/L	
	COPPER	J	1.1	4.0	LOQ	ug/L	
	LEAD	J	0.19	2.0	LOQ	ug/L	
	ZINC	J	5.1	30.0	LOQ	ug/L	
CH-SWSD033-SW01	ARSENIC	J	0.91	4.0	LOQ	ug/L	J (all detects)
	BERYLLIUM	J	0.48	1.0	LOQ	ug/L	
	NICKEL	J	3.1	4.0	LOQ	ug/L	
	SELENIUM	J	0.47	4.0	LOQ	ug/L	
CH-SWSD033-SW01-F	CHROMIUM	J	1.3	4.0	LOQ	ug/L	J (all detects)
	COBALT	J	0.74	1.0	LOQ	ug/L	
	COPPER	J	1.2	4.0	LOQ	ug/L	
	LEAD	J	0.26	2.0	LOQ	ug/L	
	NICKEL	J	0.96	4.0	LOQ	ug/L	
	ZINC	J	4.5	30.0	LOQ	ug/L	
CH-SWSD034-SW01	CHROMIUM	J	1.5	4.0	LOQ	ug/L	J (all detects)
	COBALT	J	0.46	1.0	LOQ	ug/L	
	COPPER	J	1.2	4.0	LOQ	ug/L	
	LEAD	J	0.51	2.0	LOQ	ug/L	
	ZINC	J	4.4	30.0	LOQ	ug/L	
CH-SWSD035-SW01	CHROMIUM	J	2.2	4.0	LOQ	ug/L	J (all detects)
	COBALT	J	0.62	1.0	LOQ	ug/L	
	COPPER	J	1.8	4.0	LOQ	ug/L	
	LEAD	J	0.89	2.0	LOQ	ug/L	
	NICKEL	J	1.3	4.0	LOQ	ug/L	
CH-SWSD035-SW01D	BERYLLIUM	J	0.13	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	2.3	4.0	LOQ	ug/L	
	COPPER	J	2.1	4.0	LOQ	ug/L	
	LEAD	J	1.3	2.0	LOQ	ug/L	
	NICKEL	J	1.2	4.0	LOQ	ug/L	
CH-SWSD035-SW01D-F	CHROMIUM	J	1.4	4.0	LOQ	ug/L	J (all detects)
	COBALT	J	0.68	1.0	LOQ	ug/L	
	COPPER	J	1.0	4.0	LOQ	ug/L	
	LEAD	J	0.33	2.0	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD035-SW01-F	CHROMIUM	J	1.3	4.0	LOQ	ug/L	
	COBALT	J	0.60	1.0	LOQ	ug/L	
	COPPER	J	1.3	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.39	2.0	LOQ	ug/L	
	NICKEL	J	1.0	4.0	LOQ	ug/L	
CH-SWSD036-SW01	CHROMIUM	J	1.1	4.0	LOQ	ug/L	
	COBALT	J	0.50	1.0	LOQ	ug/L	
	COPPER	J	1.2	4.0	LOQ	ug/L	
	LEAD	J	0.32	2.0	LOQ	ug/L	J (all detects)
	NICKEL	J	1.2	4.0	LOQ	ug/L	
	ZINC	J	4.4	30.0	LOQ	ug/L	
CH-SWSD037-SW01	BERYLLIUM	J	0.11	1.0	LOQ	ug/L	
	CHROMIUM	J	1.5	4.0	LOQ	ug/L	
	COBALT	J	0.45	1.0	LOQ	ug/L	
	COPPER	J	0.79	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.32	2.0	LOQ	ug/L	
	NICKEL	J	1.2	4.0	LOQ	ug/L	
	ZINC	J	4.0	30.0	LOQ	ug/L	
CH-SWSD038-SW01	CHROMIUM	J	1.2	4.0	LOQ	ug/L	
	COBALT	J	0.41	1.0	LOQ	ug/L	
	COPPER	J	1.1	4.0	LOQ	ug/L	
	LEAD	J	0.27	2.0	LOQ	ug/L	J (all detects)
	NICKEL	J	1.1	4.0	LOQ	ug/L	
	ZINC	J	3.7	30.0	LOQ	ug/L	
CH-SWSD039-SW01	CHROMIUM	J	1.2	4.0	LOQ	ug/L	
	COBALT	J	0.37	1.0	LOQ	ug/L	
	COPPER	J	0.80	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.17	2.0	LOQ	ug/L	
	NICKEL	J	0.88	4.0	LOQ	ug/L	
CH-SWSD040-SW01	CHROMIUM	J	1.2	4.0	LOQ	ug/L	
	COBALT	J	0.34	1.0	LOQ	ug/L	
	COPPER	J	0.82	4.0	LOQ	ug/L	
	LEAD	J	0.21	2.0	LOQ	ug/L	J (all detects)
	NICKEL	J	1.1	4.0	LOQ	ug/L	
	ZINC	J	4.5	30.0	LOQ	ug/L	
CH-SWSD040-SW01D	CHROMIUM	J	1.4	4.0	LOQ	ug/L	
	COBALT	J	0.44	1.0	LOQ	ug/L	
	COPPER	J	0.86	4.0	LOQ	ug/L	
	LEAD	J	0.21	2.0	LOQ	ug/L	J (all detects)
	NICKEL	J	1.2	4.0	LOQ	ug/L	
	ZINC	J	4.0	30.0	LOQ	ug/L	
CH-SWSD041-SW01	CHROMIUM	J	1.2	4.0	LOQ	ug/L	
	COBALT	J	0.33	1.0	LOQ	ug/L	
	COPPER	J	0.79	4.0	LOQ	ug/L	
	LEAD	J	0.19	2.0	LOQ	ug/L	J (all detects)
	NICKEL	J	1.0	4.0	LOQ	ug/L	
	ZINC	J	4.2	30.0	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD042-SW01	CHROMIUM	J	1.4	4.0	LOQ	ug/L	J (all detects)
	COBALT	J	0.47	1.0	LOQ	ug/L	
	COPPER	J	0.86	4.0	LOQ	ug/L	
	LEAD	J	0.20	2.0	LOQ	ug/L	
	NICKEL	J	0.90	4.0	LOQ	ug/L	
	ZINC	J	4.5	30.0	LOQ	ug/L	
CH-SWSD043-SW01	CHROMIUM	J	1.0	4.0	LOQ	ug/L	J (all detects)
	COBALT	J	0.45	1.0	LOQ	ug/L	
	COPPER	J	0.80	4.0	LOQ	ug/L	
	LEAD	J	0.21	2.0	LOQ	ug/L	
	NICKEL	J	1.3	4.0	LOQ	ug/L	
	ZINC	J	5.0	30.0	LOQ	ug/L	
CH-SWSD044-SW01	CHROMIUM	J	1.3	4.0	LOQ	ug/L	J (all detects)
	COBALT	J	0.69	1.0	LOQ	ug/L	
	COPPER	J	0.75	4.0	LOQ	ug/L	
	LEAD	J	0.26	2.0	LOQ	ug/L	
	NICKEL	J	1.2	4.0	LOQ	ug/L	
	ZINC	J	5.5	30.0	LOQ	ug/L	
CH-SWSD045-SW01	CHROMIUM	J	1.4	4.0	LOQ	ug/L	J (all detects)
	COBALT	J	0.45	1.0	LOQ	ug/L	
	COPPER	J	0.97	4.0	LOQ	ug/L	
	LEAD	J	0.22	2.0	LOQ	ug/L	
	NICKEL	J	1.3	4.0	LOQ	ug/L	
	ZINC	J	5.3	30.0	LOQ	ug/L	
CH-SWSD045-SW01D	CHROMIUM	J	1.1	4.0	LOQ	ug/L	J (all detects)
	COBALT	J	0.58	1.0	LOQ	ug/L	
	COPPER	J	0.73	4.0	LOQ	ug/L	
	LEAD	J	0.22	2.0	LOQ	ug/L	
	NICKEL	J	0.97	4.0	LOQ	ug/L	
	ZINC	J	4.4	30.0	LOQ	ug/L	
CH-SWSD080-SW01	BERYLLIUM	J	0.19	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.0	4.0	LOQ	ug/L	
	COBALT	J	0.58	1.0	LOQ	ug/L	
	COPPER	J	0.69	4.0	LOQ	ug/L	
	LEAD	J	0.21	2.0	LOQ	ug/L	
	NICKEL	J	1.0	4.0	LOQ	ug/L	
	ZINC	J	7.1	30.0	LOQ	ug/L	
CH-SWSD081-SW01	BERYLLIUM	J	0.20	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.3	4.0	LOQ	ug/L	
	COBALT	J	0.65	1.0	LOQ	ug/L	
	COPPER	J	0.68	4.0	LOQ	ug/L	
	LEAD	J	0.33	2.0	LOQ	ug/L	
	NICKEL	J	1.1	4.0	LOQ	ug/L	
	ZINC	J	7.6	30.0	LOQ	ug/L	
CH-SWSD081-SW01D	BERYLLIUM	J	0.21	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	0.88	4.0	LOQ	ug/L	
	COBALT	J	0.63	1.0	LOQ	ug/L	
	COPPER	J	0.78	4.0	LOQ	ug/L	
	LEAD	J	0.26	2.0	LOQ	ug/L	
	NICKEL	J	1.0	4.0	LOQ	ug/L	
	ZINC	J	6.9	30.0	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD082-SW01	BERYLLIUM	J	0.17	1.0	LOQ	ug/L	
	CHROMIUM	J	1.9	4.0	LOQ	ug/L	
	COBALT	J	0.66	1.0	LOQ	ug/L	
	COPPER	J	1.5	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.46	2.0	LOQ	ug/L	
	NICKEL	J	1.1	4.0	LOQ	ug/L	
	ZINC	J	7.3	30.0	LOQ	ug/L	
CH-SWSD083-SW01	BERYLLIUM	J	0.21	1.0	LOQ	ug/L	
	CHROMIUM	J	0.82	4.0	LOQ	ug/L	
	COBALT	J	0.50	1.0	LOQ	ug/L	
	COPPER	J	0.63	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.24	2.0	LOQ	ug/L	
	NICKEL	J	1.2	4.0	LOQ	ug/L	
	ZINC	J	8.3	30.0	LOQ	ug/L	
CH-SWSD084-SW01	BERYLLIUM	J	0.21	1.0	LOQ	ug/L	
	CHROMIUM	J	0.84	4.0	LOQ	ug/L	
	COBALT	J	0.51	1.0	LOQ	ug/L	
	COPPER	J	0.79	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.20	2.0	LOQ	ug/L	
	NICKEL	J	1.1	4.0	LOQ	ug/L	
	ZINC	J	8.0	30.0	LOQ	ug/L	
CH-SWSD085-SW01	BERYLLIUM	J	0.18	1.0	LOQ	ug/L	
	CHROMIUM	J	1.0	4.0	LOQ	ug/L	
	COBALT	J	0.49	1.0	LOQ	ug/L	
	COPPER	J	0.63	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.22	2.0	LOQ	ug/L	
	NICKEL	J	0.93	4.0	LOQ	ug/L	
	ZINC	J	7.5	30.0	LOQ	ug/L	
CH-SWSD085-SW01D	BERYLLIUM	J	0.18	1.0	LOQ	ug/L	
	CHROMIUM	J	0.97	4.0	LOQ	ug/L	
	COBALT	J	0.60	1.0	LOQ	ug/L	
	COPPER	J	0.67	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.22	2.0	LOQ	ug/L	
	NICKEL	J	1.1	4.0	LOQ	ug/L	
	ZINC	J	7.3	30.0	LOQ	ug/L	
CH-SWSD086-SW01	BERYLLIUM	J	0.18	1.0	LOQ	ug/L	
	CHROMIUM	J	1.0	4.0	LOQ	ug/L	
	COBALT	J	0.52	1.0	LOQ	ug/L	
	COPPER	J	0.73	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.25	2.0	LOQ	ug/L	
	NICKEL	J	1.3	4.0	LOQ	ug/L	
	ZINC	J	8.7	30.0	LOQ	ug/L	
CH-SWSD087-SW01	BERYLLIUM	J	0.17	1.0	LOQ	ug/L	
	CHROMIUM	J	0.86	4.0	LOQ	ug/L	
	COBALT	J	0.63	1.0	LOQ	ug/L	
	COPPER	J	0.76	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.22	2.0	LOQ	ug/L	
	NICKEL	J	1.3	4.0	LOQ	ug/L	
	ZINC	J	8.2	30.0	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD088-SW01	BERYLLIUM	J	0.17	1.0	LOQ	ug/L	
	CHROMIUM	J	1.3	4.0	LOQ	ug/L	
	COBALT	J	0.58	1.0	LOQ	ug/L	
	COPPER	J	0.96	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.81	2.0	LOQ	ug/L	
	NICKEL	J	1.0	4.0	LOQ	ug/L	
	ZINC	J	9.2	30.0	LOQ	ug/L	
CH-SWSD089-SW01	BERYLLIUM	J	0.14	1.0	LOQ	ug/L	
	CHROMIUM	J	0.66	4.0	LOQ	ug/L	
	COBALT	J	0.60	1.0	LOQ	ug/L	
	COPPER	J	0.84	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.30	2.0	LOQ	ug/L	
	NICKEL	J	1.1	4.0	LOQ	ug/L	
	ZINC	J	18.4	30.0	LOQ	ug/L	
CH-SWSD090-SW01	BERYLLIUM	J	0.15	1.0	LOQ	ug/L	
	CHROMIUM	J	1.3	4.0	LOQ	ug/L	
	COBALT	J	0.51	1.0	LOQ	ug/L	
	COPPER	J	0.94	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.29	2.0	LOQ	ug/L	
	NICKEL	J	0.95	4.0	LOQ	ug/L	
	ZINC	J	7.2	30.0	LOQ	ug/L	
CH-SWSD091-SW01	BERYLLIUM	J	0.16	1.0	LOQ	ug/L	
	CHROMIUM	J	1.0	4.0	LOQ	ug/L	
	COBALT	J	0.53	1.0	LOQ	ug/L	
	COPPER	J	0.78	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.33	2.0	LOQ	ug/L	
	NICKEL	J	1.2	4.0	LOQ	ug/L	
	ZINC	J	7.5	30.0	LOQ	ug/L	
CH-SWSD092-SW01	BERYLLIUM	J	0.17	1.0	LOQ	ug/L	
	CHROMIUM	J	0.86	4.0	LOQ	ug/L	
	COBALT	J	0.64	1.0	LOQ	ug/L	
	COPPER	J	0.91	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.30	2.0	LOQ	ug/L	
	NICKEL	J	1.4	4.0	LOQ	ug/L	
	ZINC	J	8.8	30.0	LOQ	ug/L	
CH-SWSD093-SW01	BERYLLIUM	J	0.14	1.0	LOQ	ug/L	
	CHROMIUM	J	0.80	4.0	LOQ	ug/L	
	COBALT	J	0.56	1.0	LOQ	ug/L	
	COPPER	J	1.0	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.35	2.0	LOQ	ug/L	
	NICKEL	J	1.3	4.0	LOQ	ug/L	
	ZINC	J	8.4	30.0	LOQ	ug/L	
CH-SWSD094-SW01	BERYLLIUM	J	0.15	1.0	LOQ	ug/L	
	CHROMIUM	J	0.84	4.0	LOQ	ug/L	
	COBALT	J	0.55	1.0	LOQ	ug/L	
	COPPER	J	0.90	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.32	2.0	LOQ	ug/L	
	NICKEL	J	1.1	4.0	LOQ	ug/L	
	ZINC	J	7.6	30.0	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD095-SW01	BERYLLIUM	J	0.16	1.0	LOQ	ug/L	
	CHROMIUM	J	0.98	4.0	LOQ	ug/L	
	COBALT	J	0.53	1.0	LOQ	ug/L	
	COPPER	J	0.81	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.34	2.0	LOQ	ug/L	
	NICKEL	J	1.2	4.0	LOQ	ug/L	
	ZINC	J	8.5	30.0	LOQ	ug/L	
CH-SWSD095-SW01D	BERYLLIUM	J	0.15	1.0	LOQ	ug/L	
	CHROMIUM	J	1.4	4.0	LOQ	ug/L	
	COBALT	J	0.54	1.0	LOQ	ug/L	
	COPPER	J	1.1	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.86	2.0	LOQ	ug/L	
	NICKEL	J	0.92	4.0	LOQ	ug/L	
	ZINC	J	8.9	30.0	LOQ	ug/L	
CH-SWSD112-SW01	ARSENIC	J	1.2	4.0	LOQ	ug/L	
	BERYLLIUM	J	0.26	1.0	LOQ	ug/L	
	CADMIUM	J	0.22	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	2.8	4.0	LOQ	ug/L	
	SELENIUM	J	0.60	4.0	LOQ	ug/L	

Method: 7470A

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD032-SW01	MERCURY	J	0.067	0.20	LOQ	ug/L	J (all detects)
CH-SWSD033-SW01	MERCURY	J	0.058	0.20	LOQ	ug/L	J (all detects)

Method: 8270D

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD031-SW01	CHRYSENE	J	0.16	0.56	LOQ	ug/L	
	FLUORANTHENE	J	0.33	0.56	LOQ	ug/L	J (all detects)
	PYRENE	J	0.29	0.56	LOQ	ug/L	
CH-SWSD033-SW01	BENZ(A)ANTHRACENE	J	0.11	0.51	LOQ	ug/L	
	CHRYSENE	J	0.19	0.51	LOQ	ug/L	
	FLUORANTHENE	J	0.43	0.51	LOQ	ug/L	J (all detects)
	PHENANTHRENE	J	0.13	0.51	LOQ	ug/L	
	PYRENE	J	0.37	0.51	LOQ	ug/L	
CH-SWSD036-SW01	ACENAPHTHENE	J	0.19	0.51	LOQ	ug/L	J (all detects)
	NAPHTHALENE	J	0.26	0.51	LOQ	ug/L	
CH-SWSD037-SW01	NAPHTHALENE	J	0.17	0.51	LOQ	ug/L	J (all detects)
CH-SWSD041-SW01	NAPHTHALENE	J	0.11	0.51	LOQ	ug/L	J (all detects)
CH-SWSD042-SW01	NAPHTHALENE	J	0.14	0.51	LOQ	ug/L	J (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD088-SW01	FLUORANTHENE	J	0.11	0.51	LOQ	ug/L	J (all detects)
	PYRENE	J	0.10	0.51	LOQ	ug/L	
CH-SWSD112-SW01-X	2-METHYLNAPHTHALENE	J	0.17	0.52	LOQ	ug/L	J (all detects)
	FLUORENE	J	0.11	0.52	LOQ	ug/L	

Method: 8270D SIM

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD031-SW01	ACENAPHTHENE	J	0.016	0.056	LOQ	ug/L	J (all detects)
	ACENAPHTHYLENE	J	0.013	0.056	LOQ	ug/L	
	ANTHRACENE	J	0.018	0.056	LOQ	ug/L	
	BENZO(G,H,I)PERYLENE	J	0.054	0.056	LOQ	ug/L	
	DIBENZO(A,H)ANTHRACENE	J	0.015	0.056	LOQ	ug/L	
	NAPHTHALENE	J	0.042	0.067	LOQ	ug/L	
CH-SWSD032-SW01	BENZ(A)ANTHRACENE	J	0.036	0.051	LOQ	ug/L	J (all detects)
	BENZO(A)PYRENE	J	0.041	0.051	LOQ	ug/L	
	BENZO(G,H,I)PERYLENE	J	0.023	0.051	LOQ	ug/L	
	BENZO(K)FLUORANTHENE	J	0.033	0.051	LOQ	ug/L	
	INDENO(1,2,3-CD)PYRENE	J	0.026	0.051	LOQ	ug/L	
CH-SWSD033-SW01	ACENAPHTHENE	J	0.021	0.051	LOQ	ug/L	J (all detects)
	ACENAPHTHYLENE	J	0.020	0.051	LOQ	ug/L	
	ANTHRACENE	J	0.026	0.051	LOQ	ug/L	
	DIBENZO(A,H)ANTHRACENE	J	0.020	0.051	LOQ	ug/L	
	FLUORENE	J	0.015	0.051	LOQ	ug/L	
	NAPHTHALENE	J	0.036	0.061	LOQ	ug/L	
CH-SWSD034-SW01	ACENAPHTHENE	J	0.011	0.051	LOQ	ug/L	J (all detects)
	BENZ(A)ANTHRACENE	J	0.013	0.051	LOQ	ug/L	
	BENZO(A)PYRENE	J	0.011	0.051	LOQ	ug/L	
	BENZO(B)FLUORANTHENE	J	0.028	0.051	LOQ	ug/L	
	BENZO(K)FLUORANTHENE	J	0.011	0.051	LOQ	ug/L	
	CHRYSENE	J	0.019	0.051	LOQ	ug/L	
	FLUORANTHENE	J	0.025	0.051	LOQ	ug/L	
	NAPHTHALENE	J	0.037	0.061	LOQ	ug/L	
	PYRENE	J	0.020	0.051	LOQ	ug/L	
CH-SWSD035-SW01	1-METHYLNAPHTHALENE	J	0.012	0.052	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.011	0.052	LOQ	ug/L	
	ACENAPHTHENE	J	0.035	0.052	LOQ	ug/L	
	BENZ(A)ANTHRACENE	J	0.017	0.052	LOQ	ug/L	
	BENZO(A)PYRENE	J	0.015	0.052	LOQ	ug/L	
	BENZO(B)FLUORANTHENE	J	0.039	0.052	LOQ	ug/L	
	BENZO(G,H,I)PERYLENE	J	0.011	0.052	LOQ	ug/L	
	BENZO(K)FLUORANTHENE	J	0.014	0.052	LOQ	ug/L	
	CHRYSENE	J	0.035	0.052	LOQ	ug/L	
	FLUORANTHENE	J	0.033	0.052	LOQ	ug/L	
	FLUORENE	J	0.013	0.052	LOQ	ug/L	
	INDENO(1,2,3-CD)PYRENE	J	0.012	0.052	LOQ	ug/L	
	NAPHTHALENE	J	0.060	0.062	LOQ	ug/L	
	PYRENE	J	0.028	0.052	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**

Matrix: **WATER**

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD035-SW01D	ACENAPHTHENE	J	0.024	0.051	LOQ	ug/L	J (all detects)
	BENZ(A)ANTHRACENE	J	0.015	0.051	LOQ	ug/L	
	BENZO(A)PYRENE	J	0.014	0.051	LOQ	ug/L	
	BENZO(B)FLUORANTHENE	J	0.031	0.051	LOQ	ug/L	
	BENZO(K)FLUORANTHENE	J	0.014	0.051	LOQ	ug/L	
	CHRYSENE	J	0.023	0.051	LOQ	ug/L	
	FLUORANTHENE	J	0.025	0.051	LOQ	ug/L	
	FLUORENE	J	0.011	0.051	LOQ	ug/L	
	PYRENE	J	0.021	0.051	LOQ	ug/L	
CH-SWSD035-SW01D-F	1-METHYLNAPHTHALENE	J	0.011	0.050	LOQ	ug/L	J (all detects)
	ACENAPHTHENE	J	0.019	0.050	LOQ	ug/L	
	BENZO(B)FLUORANTHENE	J	0.011	0.050	LOQ	ug/L	
CH-SWSD035-SW01-F	BENZ(A)ANTHRACENE	J	0.015	0.051	LOQ	ug/L	J (all detects)
	BENZO(A)PYRENE	J	0.016	0.051	LOQ	ug/L	
	BENZO(B)FLUORANTHENE	J	0.031	0.051	LOQ	ug/L	
	BENZO(K)FLUORANTHENE	J	0.015	0.051	LOQ	ug/L	
	CHRYSENE	J	0.025	0.051	LOQ	ug/L	
	FLUORANTHENE	J	0.032	0.051	LOQ	ug/L	
	NAPHTHALENE	J	0.045	0.061	LOQ	ug/L	
	PYRENE	J	0.028	0.051	LOQ	ug/L	
CH-SWSD036-SW01	2-METHYLNAPHTHALENE	J	0.038	0.051	LOQ	ug/L	J (all detects)
	FLUORANTHENE	J	0.024	0.051	LOQ	ug/L	
	PHENANTHRENE	J	0.037	0.061	LOQ	ug/L	
	PYRENE	J	0.015	0.051	LOQ	ug/L	
CH-SWSD037-SW01	1-METHYLNAPHTHALENE	J	0.036	0.051	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.029	0.051	LOQ	ug/L	
	FLUORANTHENE	J	0.017	0.051	LOQ	ug/L	
	PYRENE	J	0.011	0.051	LOQ	ug/L	
CH-SWSD038-SW01	1-METHYLNAPHTHALENE	J	0.017	0.051	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.016	0.051	LOQ	ug/L	
	FLUORENE	J	0.022	0.051	LOQ	ug/L	
CH-SWSD039-SW01	1-METHYLNAPHTHALENE	J	0.016	0.051	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.016	0.051	LOQ	ug/L	
	ACENAPHTHENE	J	0.036	0.051	LOQ	ug/L	
	FLUORENE	J	0.017	0.051	LOQ	ug/L	
CH-SWSD040-SW01	1-METHYLNAPHTHALENE	J	0.014	0.051	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.017	0.051	LOQ	ug/L	
	ACENAPHTHENE	J	0.027	0.051	LOQ	ug/L	
	FLUORENE	J	0.013	0.051	LOQ	ug/L	
CH-SWSD040-SW01D	1-METHYLNAPHTHALENE	J	0.013	0.050	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.014	0.050	LOQ	ug/L	
	ACENAPHTHENE	J	0.024	0.050	LOQ	ug/L	
	FLUORENE	J	0.010	0.050	LOQ	ug/L	
CH-SWSD041-SW01	1-METHYLNAPHTHALENE	J	0.016	0.051	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.020	0.051	LOQ	ug/L	
	ACENAPHTHENE	J	0.033	0.051	LOQ	ug/L	
	FLUORENE	J	0.014	0.051	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D SIM

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD042-SW01	1-METHYLNAPHTHALENE	J	0.020	0.051	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.025	0.051	LOQ	ug/L	
	BENZO(B)FLUORANTHENE	J	0.013	0.051	LOQ	ug/L	
	FLUORANTHENE	J	0.016	0.051	LOQ	ug/L	
	FLUORENE	J	0.018	0.051	LOQ	ug/L	
	PYRENE	J	0.016	0.051	LOQ	ug/L	
CH-SWSD043-SW01	2-METHYLNAPHTHALENE	J	0.011	0.051	LOQ	ug/L	J (all detects)
	ACENAPHTHENE	J	0.022	0.051	LOQ	ug/L	
	NAPHTHALENE	J	0.047	0.061	LOQ	ug/L	
CH-SWSD044-SW01	1-METHYLNAPHTHALENE	J	0.011	0.051	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.013	0.051	LOQ	ug/L	
	ACENAPHTHENE	J	0.018	0.051	LOQ	ug/L	
	NAPHTHALENE	J	0.041	0.061	LOQ	ug/L	
CH-SWSD045-SW01	2-METHYLNAPHTHALENE	J	0.011	0.051	LOQ	ug/L	J (all detects)
	ACENAPHTHENE	J	0.017	0.051	LOQ	ug/L	
	NAPHTHALENE	J	0.048	0.061	LOQ	ug/L	
CH-SWSD045-SW01D	2-METHYLNAPHTHALENE	J	0.012	0.051	LOQ	ug/L	J (all detects)
	ACENAPHTHENE	J	0.015	0.051	LOQ	ug/L	
	NAPHTHALENE	J	0.049	0.061	LOQ	ug/L	
CH-SWSD080-SW01	1-METHYLNAPHTHALENE	J	0.022	0.051	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.027	0.051	LOQ	ug/L	
	BENZO(B)FLUORANTHENE	J	0.015	0.051	LOQ	ug/L	
	CHRYSENE	J	0.022	0.051	LOQ	ug/L	
	FLUORANTHENE	J	0.020	0.051	LOQ	ug/L	
	FLUORENE	J	0.028	0.051	LOQ	ug/L	
	PYRENE	J	0.012	0.051	LOQ	ug/L	
CH-SWSD081-SW01	1-METHYLNAPHTHALENE	J	0.018	0.051	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.022	0.051	LOQ	ug/L	
	BENZ(A)ANTHRACENE	J	0.011	0.051	LOQ	ug/L	
	BENZO(B)FLUORANTHENE	J	0.017	0.051	LOQ	ug/L	
	CHRYSENE	J	0.015	0.051	LOQ	ug/L	
	FLUORANTHENE	J	0.016	0.051	LOQ	ug/L	
	FLUORENE	J	0.025	0.051	LOQ	ug/L	
	NAPHTHALENE	J	0.050	0.061	LOQ	ug/L	
	PYRENE	J	0.011	0.051	LOQ	ug/L	
CH-SWSD081-SW01D	1-METHYLNAPHTHALENE	J	0.022	0.051	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.025	0.051	LOQ	ug/L	
	BENZ(A)ANTHRACENE	J	0.020	0.051	LOQ	ug/L	
	BENZO(A)PYRENE	J	0.016	0.051	LOQ	ug/L	
	BENZO(B)FLUORANTHENE	J	0.049	0.051	LOQ	ug/L	
	BENZO(G,H,I)PERYLENE	J	0.012	0.051	LOQ	ug/L	
	BENZO(K)FLUORANTHENE	J	0.020	0.051	LOQ	ug/L	
	CHRYSENE	J	0.038	0.051	LOQ	ug/L	
	FLUORANTHENE	J	0.042	0.051	LOQ	ug/L	
	FLUORENE	J	0.027	0.051	LOQ	ug/L	
	INDENO(1,2,3-CD)PYRENE	J	0.014	0.051	LOQ	ug/L	
	NAPHTHALENE	J	0.059	0.061	LOQ	ug/L	
	PYRENE	J	0.033	0.051	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D SIM

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD082-SW01	1-METHYLNAPHTHALENE	J	0.024	0.051	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.029	0.051	LOQ	ug/L	
	BENZ(A)ANTHRACENE	J	0.011	0.051	LOQ	ug/L	
	BENZO(B)FLUORANTHENE	J	0.020	0.051	LOQ	ug/L	
	CHRYSENE	J	0.019	0.051	LOQ	ug/L	
	FLUORANTHENE	J	0.022	0.051	LOQ	ug/L	
	FLUORENE	J	0.027	0.051	LOQ	ug/L	
	PYRENE	J	0.017	0.051	LOQ	ug/L	
CH-SWSD083-SW01	1-METHYLNAPHTHALENE	J	0.019	0.051	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.021	0.051	LOQ	ug/L	
	BENZ(A)ANTHRACENE	J	0.011	0.051	LOQ	ug/L	
	BENZO(B)FLUORANTHENE	J	0.015	0.051	LOQ	ug/L	
	CHRYSENE	J	0.015	0.051	LOQ	ug/L	
	FLUORANTHENE	J	0.017	0.051	LOQ	ug/L	
	FLUORENE	J	0.025	0.051	LOQ	ug/L	
	NAPHTHALENE	J	0.055	0.061	LOQ	ug/L	
	PYRENE	J	0.012	0.051	LOQ	ug/L	
CH-SWSD084-SW01	1-METHYLNAPHTHALENE	J	0.021	0.050	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.025	0.050	LOQ	ug/L	
	BENZO(B)FLUORANTHENE	J	0.012	0.050	LOQ	ug/L	
	CHRYSENE	J	0.013	0.050	LOQ	ug/L	
	FLUORANTHENE	J	0.014	0.050	LOQ	ug/L	
	FLUORENE	J	0.025	0.050	LOQ	ug/L	
	NAPHTHALENE	J	0.059	0.060	LOQ	ug/L	
CH-SWSD085-SW01	1-METHYLNAPHTHALENE	J	0.017	0.051	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.018	0.051	LOQ	ug/L	
	BENZ(A)ANTHRACENE	J	0.012	0.051	LOQ	ug/L	
	BENZO(B)FLUORANTHENE	J	0.019	0.051	LOQ	ug/L	
	CHRYSENE	J	0.019	0.051	LOQ	ug/L	
	FLUORANTHENE	J	0.019	0.051	LOQ	ug/L	
	FLUORENE	J	0.020	0.051	LOQ	ug/L	
	PYRENE	J	0.014	0.051	LOQ	ug/L	
CH-SWSD085-SW01D	1-METHYLNAPHTHALENE	J	0.017	0.051	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.018	0.051	LOQ	ug/L	
	BENZ(A)ANTHRACENE	J	0.014	0.051	LOQ	ug/L	
	BENZO(B)FLUORANTHENE	J	0.021	0.051	LOQ	ug/L	
	BENZO(K)FLUORANTHENE	J	0.011	0.051	LOQ	ug/L	
	CHRYSENE	J	0.020	0.051	LOQ	ug/L	
	FLUORANTHENE	J	0.021	0.051	LOQ	ug/L	
	FLUORENE	J	0.022	0.051	LOQ	ug/L	
	NAPHTHALENE	J	0.041	0.061	LOQ	ug/L	
	PYRENE	J	0.016	0.051	LOQ	ug/L	
CH-SWSD086-SW01	1-METHYLNAPHTHALENE	J	0.017	0.051	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.016	0.051	LOQ	ug/L	
	BENZO(B)FLUORANTHENE	J	0.016	0.051	LOQ	ug/L	
	CHRYSENE	J	0.016	0.051	LOQ	ug/L	
	FLUORANTHENE	J	0.015	0.051	LOQ	ug/L	
	FLUORENE	J	0.019	0.051	LOQ	ug/L	
	NAPHTHALENE	J	0.041	0.061	LOQ	ug/L	
	PYRENE	J	0.012	0.051	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D SIM

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD087-SW01	1-METHYLNAPHTHALENE	J	0.016	0.050	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.016	0.050	LOQ	ug/L	
	BENZO(B)FLUORANTHENE	J	0.016	0.050	LOQ	ug/L	
	CHRYSENE	J	0.015	0.050	LOQ	ug/L	
	FLUORANTHENE	J	0.015	0.050	LOQ	ug/L	
	FLUORENE	J	0.019	0.050	LOQ	ug/L	
	NAPHTHALENE	J	0.042	0.060	LOQ	ug/L	
	PYRENE	J	0.011	0.050	LOQ	ug/L	
CH-SWSD088-SW01	1-METHYLNAPHTHALENE	J	0.013	0.051	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.012	0.051	LOQ	ug/L	
	BENZ(A)ANTHRACENE	J	0.044	0.051	LOQ	ug/L	
	BENZO(A)PYRENE	J	0.035	0.051	LOQ	ug/L	
	BENZO(G,H,I)PERYLENE	J	0.020	0.051	LOQ	ug/L	
	BENZO(K)FLUORANTHENE	J	0.031	0.051	LOQ	ug/L	
	FLUORENE	J	0.015	0.051	LOQ	ug/L	
	INDENO(1,2,3-CD)PYRENE	J	0.022	0.051	LOQ	ug/L	
	NAPHTHALENE	J	0.035	0.061	LOQ	ug/L	
CH-SWSD089-SW01	1-METHYLNAPHTHALENE	J	0.014	0.051	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.014	0.051	LOQ	ug/L	
	BENZ(A)ANTHRACENE	J	0.011	0.051	LOQ	ug/L	
	BENZO(B)FLUORANTHENE	J	0.018	0.051	LOQ	ug/L	
	CHRYSENE	J	0.017	0.051	LOQ	ug/L	
	FLUORANTHENE	J	0.020	0.051	LOQ	ug/L	
	FLUORENE	J	0.015	0.051	LOQ	ug/L	
	NAPHTHALENE	J	0.051	0.061	LOQ	ug/L	
	PYRENE	J	0.016	0.051	LOQ	ug/L	
CH-SWSD090-SW01	1-METHYLNAPHTHALENE	J	0.011	0.050	LOQ	ug/L	J (all detects)
	BENZO(B)FLUORANTHENE	J	0.016	0.050	LOQ	ug/L	
	CHRYSENE	J	0.016	0.050	LOQ	ug/L	
	FLUORANTHENE	J	0.016	0.050	LOQ	ug/L	
	FLUORENE	J	0.012	0.050	LOQ	ug/L	
	NAPHTHALENE	J	0.031	0.060	LOQ	ug/L	
	PYRENE	J	0.012	0.050	LOQ	ug/L	
CH-SWSD091-SW01	ACENAPHTHENE	J	0.050	0.051	LOQ	ug/L	J (all detects)
	BENZO(B)FLUORANTHENE	J	0.015	0.051	LOQ	ug/L	
	CHRYSENE	J	0.015	0.051	LOQ	ug/L	
	FLUORANTHENE	J	0.016	0.051	LOQ	ug/L	
	FLUORENE	J	0.013	0.051	LOQ	ug/L	
	NAPHTHALENE	J	0.040	0.061	LOQ	ug/L	
	PYRENE	J	0.011	0.051	LOQ	ug/L	
CH-SWSD092-SW01	ACENAPHTHENE	J	0.041	0.052	LOQ	ug/L	J (all detects)
	BENZ(A)ANTHRACENE	J	0.011	0.052	LOQ	ug/L	
	BENZO(B)FLUORANTHENE	J	0.019	0.052	LOQ	ug/L	
	CHRYSENE	J	0.018	0.052	LOQ	ug/L	
	FLUORANTHENE	J	0.018	0.052	LOQ	ug/L	
	FLUORENE	J	0.011	0.052	LOQ	ug/L	
	NAPHTHALENE	J	0.041	0.062	LOQ	ug/L	
	PYRENE	J	0.016	0.052	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D SIM

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD093-SW01	1-METHYLNAPHTHALENE	J	0.011	0.051	LOQ	ug/L	J (all detects)
	ACENAPHTHENE	J	0.042	0.051	LOQ	ug/L	
	BENZO(B)FLUORANTHENE	J	0.017	0.051	LOQ	ug/L	
	CHRYSENE	J	0.016	0.051	LOQ	ug/L	
	FLUORANTHENE	J	0.017	0.051	LOQ	ug/L	
	NAPHTHALENE	J	0.046	0.062	LOQ	ug/L	
	PYRENE	J	0.012	0.051	LOQ	ug/L	
CH-SWSD094-SW01	1-METHYLNAPHTHALENE	J	0.012	0.052	LOQ	ug/L	J (all detects)
	ACENAPHTHENE	J	0.050	0.052	LOQ	ug/L	
	BENZO(B)FLUORANTHENE	J	0.018	0.052	LOQ	ug/L	
	CHRYSENE	J	0.018	0.052	LOQ	ug/L	
	FLUORANTHENE	J	0.022	0.052	LOQ	ug/L	
	FLUORENE	J	0.012	0.052	LOQ	ug/L	
	NAPHTHALENE	J	0.033	0.062	LOQ	ug/L	
	PYRENE	J	0.015	0.052	LOQ	ug/L	
CH-SWSD095-SW01	1-METHYLNAPHTHALENE	J	0.012	0.051	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.011	0.051	LOQ	ug/L	
	BENZO(B)FLUORANTHENE	J	0.015	0.051	LOQ	ug/L	
	CHRYSENE	J	0.016	0.051	LOQ	ug/L	
	FLUORANTHENE	J	0.017	0.051	LOQ	ug/L	
	FLUORENE	J	0.011	0.051	LOQ	ug/L	
	NAPHTHALENE	J	0.038	0.061	LOQ	ug/L	
	PYRENE	J	0.011	0.051	LOQ	ug/L	
CH-SWSD095-SW01D	1-METHYLNAPHTHALENE	J	0.012	0.051	LOQ	ug/L	J (all detects)
	BENZ(A)ANTHRACENE	J	0.012	0.051	LOQ	ug/L	
	BENZO(B)FLUORANTHENE	J	0.027	0.051	LOQ	ug/L	
	BENZO(K)FLUORANTHENE	J	0.012	0.051	LOQ	ug/L	
	CHRYSENE	J	0.024	0.051	LOQ	ug/L	
	FLUORANTHENE	J	0.023	0.051	LOQ	ug/L	
	FLUORENE	J	0.013	0.051	LOQ	ug/L	
	INDENO(1,2,3-CD)PYRENE	J	0.011	0.051	LOQ	ug/L	
	NAPHTHALENE	J	0.040	0.061	LOQ	ug/L	
	PYRENE	J	0.018	0.051	LOQ	ug/L	

Method: Calculation

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD040-SW01	TRIVALENT CHROMIUM	J	0.92	4.0	LOQ	ug/L	J (all detects)
CH-SWSD040-SW01D	TRIVALENT CHROMIUM	J	1.2	4.0	LOQ	ug/L	J (all detects)
CH-SWSD080-SW01	TRIVALENT CHROMIUM	J	0.74	4.0	LOQ	ug/L	J (all detects)
CH-SWSD090-SW01	TRIVALENT CHROMIUM	J	0.99	4.0	LOQ	ug/L	J (all detects)

Method Blank Outlier Report

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**
Matrix: **WATER**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P16063CB160063903	6/16/2017 10:03:00 PM	CHROMIUM	1.4 ug/L	CH-SWSD045-SW01 CH-SWSD080-SW01 CH-SWSD081-SW01 CH-SWSD081-SW01D CH-SWSD083-SW01 CH-SWSD084-SW01 CH-SWSD085-SW01 CH-SWSD085-SW01D CH-SWSD086-SW01 CH-SWSD087-SW01 CH-SWSD088-SW01 CH-SWSD089-SW01 CH-SWSD090-SW01 CH-SWSD091-SW01 CH-SWSD092-SW01 CH-SWSD093-SW01 CH-SWSD094-SW01 CH-SWSD095-SW01 CH-SWSD095-SW01D
P16063DB160063904	6/19/2017 8:52:00 PM	CHROMIUM ZINC	0.78 ug/L 39.9 ug/L	CH-SWSD031-SW01 CH-SWSD031-SW01-F CH-SWSD032-SW01 CH-SWSD032-SW01-F CH-SWSD033-SW01 CH-SWSD033-SW01-F CH-SWSD034-SW01 CH-SWSD035-SW01 CH-SWSD035-SW01D CH-SWSD036-SW01 CH-SWSD037-SW01 CH-SWSD038-SW01 CH-SWSD039-SW01 CH-SWSD040-SW01 CH-SWSD040-SW01D CH-SWSD041-SW01 CH-SWSD042-SW01 CH-SWSD043-SW01 CH-SWSD044-SW01 CH-SWSD045-SW01D
P16563BB165063902	6/20/2017 6:10:00 PM	ZINC	4.2 ug/L	CH-SWSD035-SW01D-F CH-SWSD035-SW01-F CH-SWSD082-SW01 CH-SWSD112-SW01

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
CH-SWSD031-SW01(Initial/TOT)	CHROMIUM	1.6 ug/L	4.0U ug/L
CH-SWSD031-SW01(Initial/TOT)	ZINC	11.7 ug/L	30.0U ug/L
CH-SWSD031-SW01-F(Initial/DIS)	CHROMIUM	0.73 ug/L	4.0U ug/L
CH-SWSD031-SW01-F(Initial/DIS)	ZINC	6.0 ug/L	30.0U ug/L
CH-SWSD032-SW01(Initial/TOT)	ZINC	51.7 ug/L	51.7U ug/L
CH-SWSD032-SW01-F(Initial/DIS)	CHROMIUM	0.85 ug/L	4.0U ug/L
CH-SWSD032-SW01-F(Initial/DIS)	ZINC	5.1 ug/L	30.0U ug/L
CH-SWSD033-SW01(Initial/TOT)	ZINC	31.5 ug/L	31.5U ug/L
CH-SWSD033-SW01-F(Initial/DIS)	CHROMIUM	1.3 ug/L	4.0U ug/L
CH-SWSD033-SW01-F(Initial/DIS)	ZINC	4.5 ug/L	30.0U ug/L

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Method Blank Outlier Report

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**
Matrix: **WATER**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
CH-SWSD034-SW01(Initial/TOT)	CHROMIUM	1.5 ug/L	4.0U ug/L
CH-SWSD034-SW01(Initial/TOT)	ZINC	4.4 ug/L	30.0U ug/L
CH-SWSD035-SW01(Initial/TOT)	CHROMIUM	2.2 ug/L	4.0U ug/L
CH-SWSD035-SW01(Initial/TOT)	ZINC	36.1 ug/L	36.1U ug/L
CH-SWSD035-SW01D(Initial/TOT)	CHROMIUM	2.3 ug/L	4.0U ug/L
CH-SWSD035-SW01D(Initial/TOT)	ZINC	41.8 ug/L	41.8U ug/L
CH-SWSD036-SW01(Initial/TOT)	CHROMIUM	1.1 ug/L	4.0U ug/L
CH-SWSD036-SW01(Initial/TOT)	ZINC	4.4 ug/L	30.0U ug/L
CH-SWSD037-SW01(Initial/TOT)	CHROMIUM	1.5 ug/L	4.0U ug/L
CH-SWSD037-SW01(Initial/TOT)	ZINC	4.0 ug/L	30.0U ug/L
CH-SWSD038-SW01(Initial/TOT)	CHROMIUM	1.2 ug/L	4.0U ug/L
CH-SWSD038-SW01(Initial/TOT)	ZINC	3.7 ug/L	30.0U ug/L
CH-SWSD039-SW01(Initial/TOT)	CHROMIUM	1.2 ug/L	4.0U ug/L
CH-SWSD040-SW01(Initial/TOT)	CHROMIUM	1.2 ug/L	4.0U ug/L
CH-SWSD040-SW01(Initial/TOT)	ZINC	4.5 ug/L	30.0U ug/L
CH-SWSD040-SW01D(Initial/TOT)	CHROMIUM	1.4 ug/L	4.0U ug/L
CH-SWSD040-SW01D(Initial/TOT)	ZINC	4.0 ug/L	30.0U ug/L
CH-SWSD041-SW01(Initial/TOT)	CHROMIUM	1.2 ug/L	4.0U ug/L
CH-SWSD041-SW01(Initial/TOT)	ZINC	4.2 ug/L	30.0U ug/L
CH-SWSD042-SW01(Initial/TOT)	CHROMIUM	1.4 ug/L	4.0U ug/L
CH-SWSD042-SW01(Initial/TOT)	ZINC	4.5 ug/L	30.0U ug/L
CH-SWSD043-SW01(Initial/TOT)	CHROMIUM	1.0 ug/L	4.0U ug/L
CH-SWSD043-SW01(Initial/TOT)	ZINC	5.0 ug/L	30.0U ug/L
CH-SWSD044-SW01(Initial/TOT)	CHROMIUM	1.3 ug/L	4.0U ug/L
CH-SWSD044-SW01(Initial/TOT)	ZINC	5.5 ug/L	30.0U ug/L
CH-SWSD045-SW01(Initial/TOT)	CHROMIUM	1.4 ug/L	4.0U ug/L
CH-SWSD045-SW01D(Initial/TOT)	CHROMIUM	1.1 ug/L	4.0U ug/L
CH-SWSD045-SW01D(Initial/TOT)	ZINC	4.4 ug/L	30.0U ug/L
CH-SWSD080-SW01(Initial/TOT)	CHROMIUM	1.0 ug/L	4.0U ug/L
CH-SWSD081-SW01(Initial/TOT)	CHROMIUM	1.3 ug/L	4.0U ug/L
CH-SWSD081-SW01D(Initial/TOT)	CHROMIUM	0.88 ug/L	4.0U ug/L
CH-SWSD082-SW01(Initial/TOT)	ZINC	7.3 ug/L	30.0U ug/L
CH-SWSD083-SW01(Initial/TOT)	CHROMIUM	0.82 ug/L	4.0U ug/L
CH-SWSD084-SW01(Initial/TOT)	CHROMIUM	0.84 ug/L	4.0U ug/L
CH-SWSD085-SW01(Initial/TOT)	CHROMIUM	1.0 ug/L	4.0U ug/L
CH-SWSD085-SW01D(Initial/TOT)	CHROMIUM	0.97 ug/L	4.0U ug/L
CH-SWSD086-SW01(Initial/TOT)	CHROMIUM	1.0 ug/L	4.0U ug/L

Method Blank Outlier Report

Lab Reporting Batch ID: APP24 **Laboratory: LLL**

EDD Filename: APP24-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**
Matrix: **WATER**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
CH-SWSD087-SW01(Initial/TOT)	CHROMIUM	0.86 ug/L	4.0U ug/L
CH-SWSD088-SW01(Initial/TOT)	CHROMIUM	1.3 ug/L	4.0U ug/L
CH-SWSD089-SW01(Initial/TOT)	CHROMIUM	0.66 ug/L	4.0U ug/L
CH-SWSD090-SW01(Initial/TOT)	CHROMIUM	1.3 ug/L	4.0U ug/L
CH-SWSD091-SW01(Initial/TOT)	CHROMIUM	1.0 ug/L	4.0U ug/L
CH-SWSD092-SW01(Initial/TOT)	CHROMIUM	0.86 ug/L	4.0U ug/L
CH-SWSD093-SW01(Initial/TOT)	CHROMIUM	0.80 ug/L	4.0U ug/L
CH-SWSD094-SW01(Initial/TOT)	CHROMIUM	0.84 ug/L	4.0U ug/L
CH-SWSD095-SW01(Initial/TOT)	CHROMIUM	0.98 ug/L	4.0U ug/L
CH-SWSD095-SW01D(Initial/TOT)	CHROMIUM	1.4 ug/L	4.0U ug/L

Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page	1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.		
Laboratory SDG:	APP25		
Date(s) of Collection:	June 6th – 8th, 2017		
Number/Type Samples & Analyses:	46 sediment samples plus 4 MS/MSD and 4 duplicate for a project-specific list of SVOCs, PAHs, PCBs, hexavalent chromium, and metals		
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA		
Completed:	November 21, 2017		

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for sediment data included in Sample Delivery Group (SDG) APP25. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017.

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✓ Holding times and sample preservation

✗ Laboratory method blank data

✓ Field rinsate blank data

NA Trip blank data

✗ Laboratory control sample (LCS) recoveries

✗ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✗ Surrogate recoveries

✗ Laboratory duplicate results

✗ Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of "J" data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

CH-SWSD119-SE01, CH-SWSD120-SE01, CH-SWSD121-SE01, CH-SWSD122-SE01, CH-SWSD123-SE01, CH-SWSD124-SE01, CH-SWSD125-SE01, CH-SWSD115-SE01, CH-SWSD115-SE01D, CH-SWSD116-SE01, CH-SWSD117-SE01, CH-SWSD118-SE01, CH-SWSD099-SE01, CH-SWSD003-SE01, CH-SWSD001-SE01, CH-SWSD002-SE01, and CH-SWSD022-SE01 samples were run for regular 8270 and 8270 SIM. The final results will be presented in 8270 SIM.

Sample CH-SWSD138-SE01, CH-SWSD129-SE01, CH-SWSD135-SE01, CH-SWSD131-SE01, CH-SWSD133-SE01, CH-SWSD127-SE01, CH-SWSD128-SE01, CH-SWSD126-SE01, CH-SWSD126-SE01D, and CH-SWSD096-SE01 had low surrogate recoveries in method 8270D. Samples were re-extracted but outside method required holding time. The initial analysis will be presented as the final results.

Several analytes were over calibration in method SW8270D for samples CH-SWSD097-SE01 (1-methylnaphthalene, 2-methylnaphthalene, and naphthalene), CH-SWSD018-SE01 (fluoranthene and phenanthrene), and CH-SWSD139-SE01 (fluoranthene). The samples were diluted and re-analyzed. All the analytes were within calibration. Results will be presented in the initial analysis except for these analytes.

Sample CH-SWSD022-SE01 was analyzed two times and sample CH-SWSD002-SE01 was analyzed three times for method 8270D SIM due to their internal standards being outside acceptance limits. The samples were re-analyzed (outside method holding time) and the internal standards were again outside of QC acceptance limits. The initial results will be presented as final.

This data package was revised 11/9/2017 due to the Eurofins SW6020A metals data breach. The majority of the data changes were made to Quality Control (QC) and/or calibration checks, not to actual sample results. The few field sample result changes were due to the originally reported result exceeding the linear calibration range of the instrument; those results were changed to be slightly lower than the upper limit of the calibration range.

In this package, the result for Manganese in the associated method blank changed from < 0.200 mg/kg to 0.184 J mg/kg. The manganese LCS percent recovery was higher in the corrected data package.

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Validation Area	*Note*
Technical Holding Times	SR
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	SR
Surrogate/Tracer Spikes	SR
Matrix Spike/Matrix Spike Duplicates	SR
Laboratory Duplicates	SR
Laboratory Replicates	N
Laboratory Control Samples	SR
Compound Quantitation	SR
Field Duplicates	SR
Field Triplicates	N
Field Blanks	A

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: GENCHEM

Method: 9060A **Matrix:** SEDIMENT

Sample ID: CH-SWSD020-SE01 **Collected:** 6/8/2017 1:05:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TOTAL ORGANIC CARBON (TOC)	19100		8460	LOD	8460	LOQ	mg/kg	J	Ld

Sample ID: CH-SWSD115-SE01 **Collected:** 6/6/2017 3:45:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TOTAL ORGANIC CARBON (TOC)	3580		1790	LOD	1790	LOQ	mg/kg	J	Fd

Sample ID: CH-SWSD115-SE01D **Collected:** 6/6/2017 3:45:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TOTAL ORGANIC CARBON (TOC)	2310		1170	LOD	1170	LOQ	mg/kg	J	Fd

Sample ID: CH-SWSD118-SE01 **Collected:** 6/7/2017 8:25:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TOTAL ORGANIC CARBON (TOC)	23800		3650	LOD	3650	LOQ	mg/kg	J	Ld

Sample ID: CH-SWSD125-SE01 **Collected:** 6/6/2017 5:10:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TOTAL ORGANIC CARBON (TOC)	4400		1740	LOD	1740	LOQ	mg/kg	J	Ms

Sample ID: CH-SWSD131-SE01 **Collected:** 6/7/2017 12:50:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TOTAL ORGANIC CARBON (TOC)	502000		30600	LOD	30600	LOQ	mg/kg	J	Ms

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SEDIMENT

Sample ID: CH-SWSD001-SE01 **Collected:** 6/8/2017 11:45:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.833	J	0.701	LOD	1.40	LOQ	mg/kg	J	RI
BERYLLIUM	0.285	J	0.0877	LOD	0.351	LOQ	mg/kg	J	RI
CADMIUM	0.0877	J	0.175	LOD	0.351	LOQ	mg/kg	J	RI
SELENIUM	0.257	J	0.351	LOD	1.40	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD002-SE01 **Collected:** 6/8/2017 11:15:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.486	J	0.453	LOD	0.906	LOQ	mg/kg	J	RI
ARSENIC	1.32	J	0.906	LOD	1.81	LOQ	mg/kg	J	RI
CADMIUM	0.281	J	0.227	LOD	0.453	LOQ	mg/kg	J	RI
SELENIUM	1.77	J	0.453	LOD	1.81	LOQ	mg/kg	J	RI
SILVER	0.0942	J	0.113	LOD	0.453	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD003-SE01 **Collected:** 6/8/2017 10:45:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.109	J	0.156	LOD	0.622	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD016-SE01 **Collected:** 6/8/2017 10:25:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.185	J	0.0566	LOD	0.226	LOQ	mg/kg	J	RI
MANGANESE	27.1		0.226	LOD	0.905	LOQ	mg/kg	J+	Lcs
SELENIUM	0.125	J	0.226	LOD	0.905	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD017-SE01 **Collected:** 6/8/2017 10:10:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.993	J	0.560	LOD	1.12	LOQ	mg/kg	J	RI
BERYLLIUM	0.106	J	0.0700	LOD	0.280	LOQ	mg/kg	J	RI
MANGANESE	26.3		0.280	LOD	1.12	LOQ	mg/kg	J+	Lcs
SELENIUM	0.216	J	0.280	LOD	1.12	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SEDIMENT

Sample ID: CH-SWSD017-SE01 **Collected:** 6/8/2017 10:10:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	103	J	28.0	LOD	112	LOQ	mg/kg	J	Rl

Sample ID: CH-SWSD018-SE01 **Collected:** 6/8/2017 9:40:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.680	J	0.471	LOD	0.943	LOQ	mg/kg	J	Rl
BERYLLIUM	0.131	J	0.0589	LOD	0.236	LOQ	mg/kg	J	Rl
CADMIUM	0.0457	J	0.118	LOD	0.236	LOQ	mg/kg	J	Rl
MANGANESE	23.3		0.236	LOD	0.943	LOQ	mg/kg	J+	Lcs
SELENIUM	0.161	J	0.236	LOD	0.943	LOQ	mg/kg	J	Rl
SODIUM	87.8	J	23.6	LOD	94.3	LOQ	mg/kg	J	Rl

Sample ID: CH-SWSD019-SE01 **Collected:** 6/8/2017 1:30:00 PM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.16	J	0.727	LOD	1.45	LOQ	mg/kg	J	Rl
CADMIUM	0.0901	J	0.182	LOD	0.363	LOQ	mg/kg	J	Rl
SELENIUM	0.318	J	0.363	LOD	1.45	LOQ	mg/kg	J	Rl
THALLIUM	0.0661	J	0.0908	LOD	0.363	LOQ	mg/kg	J	Rl

Sample ID: CH-SWSD020-SE01 **Collected:** 6/8/2017 1:05:00 PM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	4300		15.1	LOD	60.3	LOQ	mg/kg	J	Ms, Ld
ARSENIC	0.988	J	0.603	LOD	1.21	LOQ	mg/kg	J	Rl, Ld
BARIUM	32.2		0.603	LOD	1.21	LOQ	mg/kg	J	Ms, Ld
BERYLLIUM	0.374		0.0754	LOD	0.302	LOQ	mg/kg	J	Ld
CADMIUM	0.143	J	0.151	LOD	0.302	LOQ	mg/kg	J	Rl, Ld
CALCIUM	797		60.3	LOD	121	LOQ	mg/kg	J	Ms, Ld
CHROMIUM	5.79		0.302	LOD	1.21	LOQ	mg/kg	J	Ld
COBALT	1.93		0.151	LOD	0.302	LOQ	mg/kg	J	Ld
COPPER	6.08		0.302	LOD	1.21	LOQ	mg/kg	J	Ld

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SEDIMENT

Sample ID: CH-SWSD020-SE01 **Collected:** 6/8/2017 1:05:00 PM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
IRON	2860		30.2	LOD	60.3	LOQ	mg/kg	J	Ld
LEAD	5.68		0.0754	LOD	0.603	LOQ	mg/kg	J	Ld
MAGNESIUM	1020		15.1	LOD	60.3	LOQ	mg/kg	J	Ms, Ld
MANGANESE	48.2		0.302	LOD	1.21	LOQ	mg/kg	J	Ms, Ld
NICKEL	4.59		0.302	LOD	1.21	LOQ	mg/kg	J	Ld
POTASSIUM	498		30.2	LOD	121	LOQ	mg/kg	J	Ld
SELENIUM	0.289	J	0.302	LOD	1.21	LOQ	mg/kg	J	Rl, Ld
SODIUM	153		30.2	LOD	121	LOQ	mg/kg	J	Ld
THALLIUM	0.0775	J	0.0754	LOD	0.302	LOQ	mg/kg	J	Rl, Ld
VANADIUM	8.84		0.151	LOD	0.302	LOQ	mg/kg	J	Ld
ZINC	31.4		4.53	LOD	9.05	LOQ	mg/kg	J	Ms, Ld

Sample ID: CH-SWSD021-SE01 **Collected:** 6/8/2017 2:30:00 PM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.853	J	0.745	LOD	1.49	LOQ	mg/kg	J	Rl
BERYLLIUM	0.164	J	0.0932	LOD	0.373	LOQ	mg/kg	J	Rl
CADMIUM	0.0842	J	0.186	LOD	0.373	LOQ	mg/kg	J	Rl
SELENIUM	0.240	J	0.373	LOD	1.49	LOQ	mg/kg	J	Rl

Sample ID: CH-SWSD022-SE01 **Collected:** 6/8/2017 3:00:00 PM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.170	J	0.0591	LOD	0.237	LOQ	mg/kg	J	Rl
SELENIUM	0.112	J	0.237	LOD	0.946	LOQ	mg/kg	J	Rl
SODIUM	65.3	J	23.7	LOD	94.6	LOQ	mg/kg	J	Rl
THALLIUM	0.0662	J	0.0591	LOD	0.237	LOQ	mg/kg	J	Rl

Sample ID: CH-SWSD023-SE01 **Collected:** 6/8/2017 2:00:00 PM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.00	J	2.18	LOD	4.36	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD023-SE01** ***Collected:*** **6/8/2017 2:00:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.155	J	0.272	LOD	1.09	LOQ	mg/kg	J	RI
COBALT	0.705	J	0.545	LOD	1.09	LOQ	mg/kg	J	RI
NICKEL	2.73	J	1.09	LOD	4.36	LOQ	mg/kg	J	RI
SELENIUM	1.00	J	1.09	LOD	4.36	LOQ	mg/kg	J	RI
ZINC	22.3	J	16.3	LOD	32.7	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD027-SE01** ***Collected:*** **6/7/2017 2:55:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.88	J	1.97	LOD	3.93	LOQ	mg/kg	J	RI
BERYLLIUM	0.685	J	0.246	LOD	0.983	LOQ	mg/kg	J	RI
CADMIUM	0.205	J	0.491	LOD	0.983	LOQ	mg/kg	J	RI
MANGANESE	31.6		0.983	LOD	3.93	LOQ	mg/kg	J+	Lcs
SELENIUM	1.49	J	0.983	LOD	3.93	LOQ	mg/kg	J	RI
SILVER	0.120	J	0.246	LOD	0.983	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD028-SE01** ***Collected:*** **6/7/2017 3:00:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.570	J	1.12	LOD	2.24	LOQ	mg/kg	J	RI
ARSENIC	3.10	J	2.24	LOD	4.49	LOQ	mg/kg	J	RI
BERYLLIUM	0.793	J	0.281	LOD	1.12	LOQ	mg/kg	J	RI
CADMIUM	0.645	J	0.561	LOD	1.12	LOQ	mg/kg	J	RI
MANGANESE	29.3		1.12	LOD	4.49	LOQ	mg/kg	J+	Lcs
SELENIUM	1.61	J	1.12	LOD	4.49	LOQ	mg/kg	J	RI
SILVER	0.171	J	0.281	LOD	1.12	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD029-SE01** ***Collected:*** **6/7/2017 3:15:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	2.94	J	1.84	LOD	3.68	LOQ	mg/kg	J	RI
SELENIUM	1.68	J	0.921	LOD	3.68	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD029-SE01** ***Collected:*** **6/7/2017 3:15:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.142	J	0.230	LOD	0.921	LOQ	mg/kg	J	Rl

Sample ID: **CH-SWSD030-SE01** ***Collected:*** **6/7/2017 3:30:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.426	J	0.730	LOD	1.46	LOQ	mg/kg	J	Rl, Fd
ARSENIC	2.27	J	1.46	LOD	2.92	LOQ	mg/kg	J	Rl
BERYLLIUM	0.612	J	0.182	LOD	0.730	LOQ	mg/kg	J	Rl
CADMIUM	0.604	J	0.365	LOD	0.730	LOQ	mg/kg	J	Rl
SELENIUM	1.63	J	0.730	LOD	2.92	LOQ	mg/kg	J	Rl
SILVER	0.160	J	0.182	LOD	0.730	LOQ	mg/kg	J	Rl
THALLIUM	0.147	J	0.182	LOD	0.730	LOQ	mg/kg	J	Rl

Sample ID: **CH-SWSD030-SE01D** ***Collected:*** **6/7/2017 3:30:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.934	U	0.934	LOD	1.87	LOQ	mg/kg	UJ	Fd
ARSENIC	2.92	J	1.87	LOD	3.73	LOQ	mg/kg	J	Rl
BERYLLIUM	0.583	J	0.233	LOD	0.934	LOQ	mg/kg	J	Rl
CADMIUM	0.584	J	0.467	LOD	0.934	LOQ	mg/kg	J	Rl
SELENIUM	1.68	J	0.934	LOD	3.73	LOQ	mg/kg	J	Rl
SILVER	0.119	J	0.233	LOD	0.934	LOQ	mg/kg	J	Rl
THALLIUM	0.165	J	0.233	LOD	0.934	LOQ	mg/kg	J	Rl

Sample ID: **CH-SWSD096-SE01** ***Collected:*** **6/8/2017 8:45:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.672	J	0.808	LOD	1.62	LOQ	mg/kg	J	Rl
MANGANESE	35.8		0.808	LOD	3.23	LOQ	mg/kg	J+	Lcs
SILVER	0.243	J	0.202	LOD	0.808	LOQ	mg/kg	J	Rl
THALLIUM	0.327	J	0.202	LOD	0.808	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD097-SE01** ***Collected:*** **6/8/2017 8:35:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.227	J	0.216	LOD	0.432	LOQ	mg/kg	J	Rl
CADMIUM	0.0635	J	0.108	LOD	0.216	LOQ	mg/kg	J	Rl
MANGANESE	34.1		0.216	LOD	0.864	LOQ	mg/kg	J+	Lcs
SILVER	0.0603	J	0.0540	LOD	0.216	LOQ	mg/kg	J	Rl
THALLIUM	0.184	J	0.0540	LOD	0.216	LOQ	mg/kg	J	Rl

Sample ID: **CH-SWSD098-SE01** ***Collected:*** **6/8/2017 8:20:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.293	J	0.290	LOD	0.581	LOQ	mg/kg	J	Rl
CADMIUM	0.135	J	0.145	LOD	0.290	LOQ	mg/kg	J	Rl
SILVER	0.0955	J	0.0726	LOD	0.290	LOQ	mg/kg	J	Rl
THALLIUM	0.177	J	0.0726	LOD	0.290	LOQ	mg/kg	J	Rl

Sample ID: **CH-SWSD099-SE01** ***Collected:*** **6/7/2017 5:00:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	14500		11.1	LOD	44.2	LOQ	mg/kg	J	Ms, Ms
ANTIMONY	0.221	U	0.221	LOD	0.442	LOQ	mg/kg	UJ	Ms
ARSENIC	7.59		0.442	LOD	0.884	LOQ	mg/kg	J	Ms, Ms, Ms
BARIUM	51.3		0.442	LOD	0.884	LOQ	mg/kg	J+	Ms
BERYLLIUM	0.564		0.0553	LOD	0.221	LOQ	mg/kg	J+	Ms
CALCIUM	1850		44.2	LOD	88.4	LOQ	mg/kg	J+	Ms
CHROMIUM	21.9		0.221	LOD	0.884	LOQ	mg/kg	J	Ms, Ms
IRON	16800		22.1	LOD	44.2	LOQ	mg/kg	J+	Ms
LEAD	12.9		0.0553	LOD	0.442	LOQ	mg/kg	J	Ms, Ms
MAGNESIUM	3540		11.1	LOD	44.2	LOQ	mg/kg	J	Ms, Ms
MANGANESE	110		0.221	LOD	0.884	LOQ	mg/kg	J	Ms, Ms
NICKEL	11.2		0.221	LOD	0.884	LOQ	mg/kg	J	Ms, Ms
POTASSIUM	1790		22.1	LOD	88.4	LOQ	mg/kg	J	Ms, Ms
SELENIUM	0.726	J	0.221	LOD	0.884	LOQ	mg/kg	J	Rl, Ms
SILVER	0.0347	J	0.0553	LOD	0.221	LOQ	mg/kg	J	Rl, Ld

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD099-SE01** ***Collected:*** **6/7/2017 5:00:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.216	J	0.0553	LOD	0.221	LOQ	mg/kg	J	Rl, Ms
VANADIUM	33.8		0.111	LOD	0.221	LOQ	mg/kg	J	Ms, Ms
ZINC	34.6		3.32	LOD	6.63	LOQ	mg/kg	J+	Ms

Sample ID: **CH-SWSD100-SE01** ***Collected:*** **6/7/2017 4:20:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.106	J	0.138	LOD	0.276	LOQ	mg/kg	J	Rl
SILVER	0.0732	J	0.0691	LOD	0.276	LOQ	mg/kg	J	Rl
THALLIUM	0.268	J	0.0691	LOD	0.276	LOQ	mg/kg	J	Rl

Sample ID: **CH-SWSD115-SE01** ***Collected:*** **6/6/2017 3:45:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.111	J	0.0443	LOD	0.177	LOQ	mg/kg	J	Rl
SELENIUM	0.193	J	0.177	LOD	0.709	LOQ	mg/kg	J	Rl
SODIUM	49.2	J	17.7	LOD	70.9	LOQ	mg/kg	U	Mb
THALLIUM	0.106	J	0.0443	LOD	0.177	LOQ	mg/kg	J	Rl
ZINC	4.50	J	2.66	LOD	5.32	LOQ	mg/kg	J	Rl

Sample ID: **CH-SWSD115-SE01D** ***Collected:*** **6/6/2017 3:45:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.0861	J	0.0423	LOD	0.169	LOQ	mg/kg	J	Rl
COPPER	0.554	J	0.169	LOD	0.676	LOQ	mg/kg	J	Rl
SELENIUM	0.155	J	0.169	LOD	0.676	LOQ	mg/kg	J	Rl
SODIUM	55.6	J	16.9	LOD	67.6	LOQ	mg/kg	J	Rl
THALLIUM	0.107	J	0.0423	LOD	0.169	LOQ	mg/kg	J	Rl
ZINC	4.60	J	2.54	LOD	5.07	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD116-SE01** ***Collected:*** **6/7/2017 8:50:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.223	J	0.0730	LOD	0.292	LOQ	mg/kg	J	RI
CADMIUM	0.0692	J	0.146	LOD	0.292	LOQ	mg/kg	J	RI
SELENIUM	0.256	J	0.292	LOD	1.17	LOQ	mg/kg	J	RI
SODIUM	82.0	J	29.2	LOD	117	LOQ	mg/kg	J	RI
THALLIUM	0.0555	J	0.0730	LOD	0.292	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD117-SE01** ***Collected:*** **6/7/2017 8:35:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.156	J	0.242	LOD	0.484	LOQ	mg/kg	J	RI
BERYLLIUM	0.0769	J	0.0605	LOD	0.242	LOQ	mg/kg	J	RI
SELENIUM	0.119	J	0.242	LOD	0.968	LOQ	mg/kg	J	RI
SODIUM	52.0	J	24.2	LOD	96.8	LOQ	mg/kg	U	Mb

Sample ID: **CH-SWSD118-SE01** ***Collected:*** **6/7/2017 8:25:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.155	J	0.101	LOD	0.403	LOQ	mg/kg	J	RI
CADMIUM	0.152	J	0.202	LOD	0.403	LOQ	mg/kg	J	RI
SELENIUM	0.253	J	0.403	LOD	1.61	LOQ	mg/kg	J	RI
SODIUM	141	J	40.3	LOD	161	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD119-SE01** ***Collected:*** **6/6/2017 4:05:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.108	J	0.0953	LOD	0.191	LOQ	mg/kg	J	RI
THALLIUM	0.120	J	0.0477	LOD	0.191	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD120-SE01** ***Collected:*** **6/6/2017 4:20:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.238	J	0.0670	LOD	0.268	LOQ	mg/kg	J	RI
CADMIUM	0.201	J	0.134	LOD	0.268	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD120-SE01** ***Collected:*** **6/6/2017 4:20:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.190	J	0.268	LOD	1.07	LOQ	mg/kg	J	RI
SODIUM	86.7	J	26.8	LOD	107	LOQ	mg/kg	J	RI
THALLIUM	0.0854	J	0.0670	LOD	0.268	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD121-SE01** ***Collected:*** **6/6/2017 4:30:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.543	J	0.392	LOD	1.57	LOQ	mg/kg	J	RI
SILVER	0.0521	J	0.0979	LOD	0.392	LOQ	mg/kg	J	RI
THALLIUM	0.119	J	0.0979	LOD	0.392	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD122-SE01** ***Collected:*** **6/6/2017 4:35:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.898	J	0.503	LOD	1.01	LOQ	mg/kg	J	RI
BERYLLIUM	0.147	J	0.0629	LOD	0.252	LOQ	mg/kg	J	RI
CADMIUM	0.149	J	0.126	LOD	0.252	LOQ	mg/kg	J	RI
SELENIUM	0.122	J	0.252	LOD	1.01	LOQ	mg/kg	J	RI
SODIUM	93.2	J	25.2	LOD	101	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD123-SE01** ***Collected:*** **6/6/2017 4:45:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.513	J	0.239	LOD	0.955	LOQ	mg/kg	J	RI
SILVER	0.0329	J	0.0597	LOD	0.239	LOQ	mg/kg	J	RI
THALLIUM	0.0969	J	0.0597	LOD	0.239	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD123-SE01** ***Collected:*** **6/6/2017 4:45:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	70.3	J	23.9	LOD	95.5	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD124-SE01** ***Collected:*** **6/6/2017 4:50:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.163	J	0.0490	LOD	0.196	LOQ	mg/kg	J	Rl
CADMIUM	0.103	J	0.0979	LOD	0.196	LOQ	mg/kg	J	Rl
SELENIUM	0.207	J	0.196	LOD	0.784	LOQ	mg/kg	J	Rl
SODIUM	64.2	J	19.6	LOD	78.4	LOQ	mg/kg	J	Rl
THALLIUM	0.0611	J	0.0490	LOD	0.196	LOQ	mg/kg	J	Rl

Sample ID: **CH-SWSD125-SE01** ***Collected:*** **6/6/2017 5:10:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	5450		12.4	LOD	49.7	LOQ	mg/kg	J+	Ms
ANTIMONY	0.248	U	0.248	LOD	0.497	LOQ	mg/kg	UJ	Ms
ARSENIC	1.44		0.497	LOD	0.993	LOQ	mg/kg	J	Ms, Ld
BARIUM	16.1		0.497	LOD	0.993	LOQ	mg/kg	J+	Ms
BERYLLIUM	0.0986	J	0.0621	LOD	0.248	LOQ	mg/kg	J	Rl, Ld
CALCIUM	511		49.7	LOD	99.3	LOQ	mg/kg	J+	Ms
CHROMIUM	5.70		0.248	LOD	0.993	LOQ	mg/kg	J+	Ms
COPPER	0.790	J	0.248	LOD	0.993	LOQ	mg/kg	J	Rl
IRON	2690		24.8	LOD	49.7	LOQ	mg/kg	J+	Ms
LEAD	3.70		0.0621	LOD	0.497	LOQ	mg/kg	J+	Ms
MAGNESIUM	695		12.4	LOD	49.7	LOQ	mg/kg	J+	Ms
MANGANESE	49.9		0.248	LOD	0.993	LOQ	mg/kg	J+	Ms
SELENIUM	0.174	J	0.248	LOD	0.993	LOQ	mg/kg	J	Rl
SODIUM	61.5	J	24.8	LOD	99.3	LOQ	mg/kg	J	Rl
THALLIUM	0.0611	J	0.0621	LOD	0.248	LOQ	mg/kg	J	Rl
VANADIUM	8.18		0.124	LOD	0.248	LOQ	mg/kg	J+	Ms
ZINC	10.1		3.72	LOD	7.45	LOQ	mg/kg	J+	Ms

Sample ID: **CH-SWSD126-SE01** ***Collected:*** **6/7/2017 1:50:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.42	J	1.58	LOD	3.16	LOQ	mg/kg	J	Rl
BERYLLIUM	0.418	J	0.197	LOD	0.789	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD126-SE01** ***Collected:*** **6/7/2017 1:50:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.376	J	0.395	LOD	0.789	LOQ	mg/kg	J	Rl
COBALT	0.571	J	0.395	LOD	0.789	LOQ	mg/kg	J	Rl
MANGANESE	10.3		0.789	LOD	3.16	LOQ	mg/kg	J+	Lcs
SELENIUM	2.13	J	0.789	LOD	3.16	LOQ	mg/kg	J	Rl
SILVER	0.148	J	0.197	LOD	0.789	LOQ	mg/kg	J	Rl
VANADIUM	10.6		0.395	LOD	0.789	LOQ	mg/kg	J	Fd

Sample ID: **CH-SWSD126-SE01D** ***Collected:*** **6/7/2017 1:50:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.05	J	1.46	LOD	2.92	LOQ	mg/kg	J	Rl
BERYLLIUM	0.462	J	0.182	LOD	0.729	LOQ	mg/kg	J	Rl
CADMIUM	0.290	J	0.365	LOD	0.729	LOQ	mg/kg	J	Rl
COBALT	0.534	J	0.365	LOD	0.729	LOQ	mg/kg	J	Rl
MANGANESE	8.15		0.729	LOD	2.92	LOQ	mg/kg	J+	Lcs
SELENIUM	2.38	J	0.729	LOD	2.92	LOQ	mg/kg	J	Rl
SILVER	0.132	J	0.182	LOD	0.729	LOQ	mg/kg	J	Rl
VANADIUM	7.52		0.365	LOD	0.729	LOQ	mg/kg	J	Fd

Sample ID: **CH-SWSD127-SE01** ***Collected:*** **6/7/2017 1:40:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.786	J	0.866	LOD	1.73	LOQ	mg/kg	J	Rl
ARSENIC	1.39	J	1.73	LOD	3.47	LOQ	mg/kg	J	Rl
BERYLLIUM	0.204	J	0.217	LOD	0.866	LOQ	mg/kg	J	Rl
COBALT	0.560	J	0.433	LOD	0.866	LOQ	mg/kg	J	Rl
MANGANESE	9.33		0.866	LOD	3.47	LOQ	mg/kg	J+	Lcs
NICKEL	3.04	J	0.866	LOD	3.47	LOQ	mg/kg	J	Rl
SELENIUM	2.21	J	0.866	LOD	3.47	LOQ	mg/kg	J	Rl
SILVER	0.132	J	0.217	LOD	0.866	LOQ	mg/kg	J	Rl
ZINC	21.4	J	13.0	LOD	26.0	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SEDIMENT

Sample ID: CH-SWSD128-SE01 **Collected:** 6/7/2017 1:30:00 PM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.568	J	0.810	LOD	1.62	LOQ	mg/kg	J	RI
ARSENIC	1.13	J	1.62	LOD	3.24	LOQ	mg/kg	J	RI
BERYLLIUM	0.209	J	0.202	LOD	0.810	LOQ	mg/kg	J	RI
COBALT	0.435	J	0.405	LOD	0.810	LOQ	mg/kg	J	RI
MANGANESE	7.68		0.810	LOD	3.24	LOQ	mg/kg	J+	Lcs
NICKEL	2.79	J	0.810	LOD	3.24	LOQ	mg/kg	J	RI
SELENIUM	1.97	J	0.810	LOD	3.24	LOQ	mg/kg	J	RI
SILVER	0.150	J	0.202	LOD	0.810	LOQ	mg/kg	J	RI
ZINC	18.9	J	12.1	LOD	24.3	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD129-SE01 **Collected:** 6/7/2017 1:15:00 PM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.697	J	1.58	LOD	3.15	LOQ	mg/kg	J	RI
BERYLLIUM	0.231	J	0.197	LOD	0.788	LOQ	mg/kg	J	RI
COBALT	0.536	J	0.394	LOD	0.788	LOQ	mg/kg	J	RI
NICKEL	3.09	J	0.788	LOD	3.15	LOQ	mg/kg	J	RI
POTASSIUM	237	J	78.8	LOD	315	LOQ	mg/kg	J	RI
SELENIUM	2.11	J	0.788	LOD	3.15	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD130-SE01 **Collected:** 6/7/2017 1:10:00 PM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.615	J	0.800	LOD	1.60	LOQ	mg/kg	J	RI
ARSENIC	1.07	J	1.60	LOD	3.20	LOQ	mg/kg	J	RI
BERYLLIUM	0.225	J	0.200	LOD	0.800	LOQ	mg/kg	J	RI
COBALT	0.632	J	0.400	LOD	0.800	LOQ	mg/kg	J	RI
MANGANESE	13.9		0.800	LOD	3.20	LOQ	mg/kg	J+	Lcs
NICKEL	2.99	J	0.800	LOD	3.20	LOQ	mg/kg	J	RI
SELENIUM	1.77	J	0.800	LOD	3.20	LOQ	mg/kg	J	RI
SILVER	0.122	J	0.200	LOD	0.800	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD131-SE01** ***Collected:*** **6/7/2017 12:50:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	3540		41.1	LOD	164	LOQ	mg/kg	J+	Ms
ARSENIC	1.27	J	1.64	LOD	3.28	LOQ	mg/kg	J	Rl
BARIUM	65.4		1.64	LOD	3.28	LOQ	mg/kg	J+	Ms
BERYLLIUM	0.234	J	0.205	LOD	0.821	LOQ	mg/kg	J	Rl, Ld
CALCIUM	2460		164	LOD	328	LOQ	mg/kg	J+	Ms
CHROMIUM	3.92		0.821	LOD	3.28	LOQ	mg/kg	J	Ld
COBALT	0.692	J	0.411	LOD	0.821	LOQ	mg/kg	J	Rl, Ld
COPPER	13.4		0.821	LOD	3.28	LOQ	mg/kg	J+	Ms
IRON	826		82.1	LOD	164	LOQ	mg/kg	J+	Ms
LEAD	22.2		0.205	LOD	1.64	LOQ	mg/kg	J+	Ms
MANGANESE	14.2		0.821	LOD	3.28	LOQ	mg/kg	J+	Lcs
NICKEL	3.19	J	0.821	LOD	3.28	LOQ	mg/kg	J	Rl
POTASSIUM	305	J	82.1	LOD	328	LOQ	mg/kg	J	Rl
SELENIUM	1.87	J	0.821	LOD	3.28	LOQ	mg/kg	J	Rl
SILVER	0.138	J	0.205	LOD	0.821	LOQ	mg/kg	J	Rl, Ld
VANADIUM	9.27		0.411	LOD	0.821	LOQ	mg/kg	J+	Ms
ZINC	32.0		12.3	LOD	24.6	LOQ	mg/kg	J+	Ms

Sample ID: **CH-SWSD132-SE01** ***Collected:*** **6/7/2017 11:55:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.13	J	1.67	LOD	3.33	LOQ	mg/kg	J	Rl
BERYLLIUM	0.185	J	0.208	LOD	0.833	LOQ	mg/kg	J	Rl
CADMIUM	0.244	J	0.416	LOD	0.833	LOQ	mg/kg	J	Rl
CHROMIUM	3.10	J	0.833	LOD	3.33	LOQ	mg/kg	J	Rl
COBALT	0.693	J	0.416	LOD	0.833	LOQ	mg/kg	J	Rl
MANGANESE	18.6		0.833	LOD	3.33	LOQ	mg/kg	J+	Lcs
NICKEL	3.04	J	0.833	LOD	3.33	LOQ	mg/kg	J	Rl
POTASSIUM	325	J	83.3	LOD	333	LOQ	mg/kg	J	Rl
SELENIUM	1.57	J	0.833	LOD	3.33	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SEDIMENT

Sample ID: CH-SWSD133-SE01 **Collected:** 6/7/2017 11:45:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.37	J	1.52	LOD	3.04	LOQ	mg/kg	J	RI
BERYLLIUM	0.230	J	0.190	LOD	0.760	LOQ	mg/kg	J	RI
COBALT	0.609	J	0.380	LOD	0.760	LOQ	mg/kg	J	RI
MANGANESE	16.8		0.760	LOD	3.04	LOQ	mg/kg	J+	Lcs
POTASSIUM	279	J	76.0	LOD	304	LOQ	mg/kg	J	RI
SELENIUM	1.98	J	0.760	LOD	3.04	LOQ	mg/kg	J	RI
SILVER	0.0958	J	0.190	LOD	0.760	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD134-SE01 **Collected:** 6/7/2017 11:30:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.10	J	1.96	LOD	3.91	LOQ	mg/kg	J	RI
BERYLLIUM	0.243	J	0.244	LOD	0.978	LOQ	mg/kg	J	RI
CADMIUM	0.262	J	0.489	LOD	0.978	LOQ	mg/kg	J	RI
CHROMIUM	3.49	J	0.978	LOD	3.91	LOQ	mg/kg	J	RI
COBALT	0.670	J	0.489	LOD	0.978	LOQ	mg/kg	J	RI
MANGANESE	18.2		0.978	LOD	3.91	LOQ	mg/kg	J+	Lcs
NICKEL	2.80	J	0.978	LOD	3.91	LOQ	mg/kg	J	RI
POTASSIUM	221	J	97.8	LOD	391	LOQ	mg/kg	J	RI
SELENIUM	1.87	J	0.978	LOD	3.91	LOQ	mg/kg	J	RI
SODIUM	358	J	97.8	LOD	391	LOQ	mg/kg	J	RI
ZINC	27.4	J	14.7	LOD	29.3	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD135-SE01 **Collected:** 6/7/2017 11:10:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.01	J	1.79	LOD	3.58	LOQ	mg/kg	J	RI
BERYLLIUM	0.335	J	0.224	LOD	0.896	LOQ	mg/kg	J	RI
CADMIUM	0.200	J	0.448	LOD	0.896	LOQ	mg/kg	J	RI
COBALT	0.675	J	0.448	LOD	0.896	LOQ	mg/kg	J	RI
MANGANESE	28.4		0.896	LOD	3.58	LOQ	mg/kg	J+	Lcs
NICKEL	3.36	J	0.896	LOD	3.58	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD135-SE01** ***Collected:*** **6/7/2017 11:10:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
POTASSIUM	186	J	89.6	LOD	358	LOQ	mg/kg	J	Rl
SELENIUM	2.43	J	0.896	LOD	3.58	LOQ	mg/kg	J	Rl
ZINC	25.0	J	13.4	LOD	26.9	LOQ	mg/kg	J	Rl

Sample ID: **CH-SWSD136-SE01** ***Collected:*** **6/7/2017 10:55:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.549	J	0.972	LOD	1.94	LOQ	mg/kg	J	Rl, Fd
ARSENIC	1.54	J	1.94	LOD	3.89	LOQ	mg/kg	J	Rl
BERYLLIUM	0.310	J	0.243	LOD	0.972	LOQ	mg/kg	J	Rl
CADMIUM	0.193	J	0.486	LOD	0.972	LOQ	mg/kg	J	Rl
CHROMIUM	3.54	J	0.972	LOD	3.89	LOQ	mg/kg	J	Rl
COBALT	0.793	J	0.486	LOD	0.972	LOQ	mg/kg	J	Rl
NICKEL	2.60	J	0.972	LOD	3.89	LOQ	mg/kg	J	Rl
POTASSIUM	170	J	97.2	LOD	389	LOQ	mg/kg	J	Rl
SELENIUM	1.71	J	0.972	LOD	3.89	LOQ	mg/kg	J	Rl
SILVER	0.128	J	0.243	LOD	0.972	LOQ	mg/kg	J	Rl, Fd
SODIUM	372	J	97.2	LOD	389	LOQ	mg/kg	J	Rl

Sample ID: **CH-SWSD136-SE01D** ***Collected:*** **6/7/2017 10:55:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.869	U	0.869	LOD	1.74	LOQ	mg/kg	UJ	Fd
ARSENIC	1.16	J	1.74	LOD	3.48	LOQ	mg/kg	J	Rl
BERYLLIUM	0.331	J	0.217	LOD	0.869	LOQ	mg/kg	J	Rl
CADMIUM	0.169	J	0.435	LOD	0.869	LOQ	mg/kg	J	Rl
COBALT	0.729	J	0.435	LOD	0.869	LOQ	mg/kg	J	Rl
MANGANESE	13.8		0.869	LOD	3.48	LOQ	mg/kg	J+	Lcs
NICKEL	2.71	J	0.869	LOD	3.48	LOQ	mg/kg	J	Rl
POTASSIUM	213	J	86.9	LOD	348	LOQ	mg/kg	J	Rl
SELENIUM	1.87	J	0.869	LOD	3.48	LOQ	mg/kg	J	Rl
SILVER	0.217	U	0.217	LOD	0.869	LOQ	mg/kg	UJ	Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SEDIMENT

Sample ID: CH-SWSD137-SE01 **Collected:** 6/7/2017 10:25:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.76	J	1.92	LOD	3.83	LOQ	mg/kg	J	RI
BERYLLIUM	0.359	J	0.240	LOD	0.959	LOQ	mg/kg	J	RI
CADMIUM	0.342	J	0.479	LOD	0.959	LOQ	mg/kg	J	RI
COBALT	0.809	J	0.479	LOD	0.959	LOQ	mg/kg	J	RI
NICKEL	2.89	J	0.959	LOD	3.83	LOQ	mg/kg	J	RI
POTASSIUM	307	J	95.9	LOD	383	LOQ	mg/kg	J	RI
SELENIUM	1.98	J	0.959	LOD	3.83	LOQ	mg/kg	J	RI
SILVER	0.119	J	0.240	LOD	0.959	LOQ	mg/kg	J	RI
SODIUM	347	J	95.9	LOD	383	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD138-SE01 **Collected:** 6/7/2017 10:10:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	2.00	J	1.74	LOD	3.47	LOQ	mg/kg	J	RI
BERYLLIUM	0.511	J	0.217	LOD	0.868	LOQ	mg/kg	J	RI
CADMIUM	0.310	J	0.434	LOD	0.868	LOQ	mg/kg	J	RI
POTASSIUM	294	J	86.8	LOD	347	LOQ	mg/kg	J	RI
SELENIUM	2.35	J	0.868	LOD	3.47	LOQ	mg/kg	J	RI
SILVER	0.103	J	0.217	LOD	0.868	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD139-SE01 **Collected:** 6/7/2017 9:50:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.469	J	0.898	LOD	1.80	LOQ	mg/kg	J	RI
ARSENIC	1.23	J	1.80	LOD	3.59	LOQ	mg/kg	J	RI
BERYLLIUM	0.268	J	0.225	LOD	0.898	LOQ	mg/kg	J	RI
CADMIUM	0.240	J	0.449	LOD	0.898	LOQ	mg/kg	J	RI
COBALT	0.559	J	0.449	LOD	0.898	LOQ	mg/kg	J	RI
SELENIUM	2.41	J	0.898	LOD	3.59	LOQ	mg/kg	J	RI
SODIUM	341	J	89.8	LOD	359	LOQ	mg/kg	J	RI
ZINC	14.6	J	13.5	LOD	27.0	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix: SEDIMENT**

Sample ID: CH-SWSD140-SE01 **Collected:** 6/7/2017 9:35:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.978	J	1.17	LOD	2.34	LOQ	mg/kg	J	RI
BERYLLIUM	0.404	J	0.146	LOD	0.584	LOQ	mg/kg	J	RI
ZINC	14.7	J	8.76	LOD	17.5	LOQ	mg/kg	J	RI

Method Category: METALS

Method: 7199 **Matrix: SEDIMENT**

Sample ID: CH-SWSD001-SE01 **Collected:** 6/8/2017 11:45:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Hexavalent Chromium [Cr (VI)]	0.96		0.82	LOD	0.82	LOQ	mg/kg	J+	Lcs

Sample ID: CH-SWSD002-SE01 **Collected:** 6/8/2017 11:15:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Hexavalent Chromium [Cr (VI)]	1.1	J	1.1	LOD	1.1	LOQ	mg/kg	J+	Lcs

Sample ID: CH-SWSD020-SE01 **Collected:** 6/8/2017 1:05:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Hexavalent Chromium [Cr (VI)]	0.89	U	0.89	LOD	0.89	LOQ	mg/kg	UJ	Ms, Ms

Sample ID: CH-SWSD022-SE01 **Collected:** 6/8/2017 3:00:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Hexavalent Chromium [Cr (VI)]	1.6		0.52	LOD	0.52	LOQ	mg/kg	J+	Lcs

Sample ID: CH-SWSD027-SE01 **Collected:** 6/7/2017 2:55:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Hexavalent Chromium [Cr (VI)]	2.8		2.3	LOD	2.3	LOQ	mg/kg	J+	Lcs

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7199 **Matrix: SEDIMENT**

Sample ID: CH-SWSD028-SE01 **Collected:** 6/7/2017 3:00:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Hexavalent Chromium [Cr (VI)]	2.5	U	2.5	LOD	2.5	LOQ	mg/kg	UJ	Ms, Ld

Sample ID: CH-SWSD029-SE01 **Collected:** 6/7/2017 3:15:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Hexavalent Chromium [Cr (VI)]	3.5		2.3	LOD	2.3	LOQ	mg/kg	J+	Lcs

Method Category: METALS

Method: 7471B **Matrix: SEDIMENT**

Sample ID: CH-SWSD018-SE01 **Collected:** 6/8/2017 9:40:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0165	J	0.0258	LOD	0.155	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD020-SE01 **Collected:** 6/8/2017 1:05:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0245	J	0.0358	LOD	0.215	LOQ	mg/kg	J	RI, Ld

Sample ID: CH-SWSD023-SE01 **Collected:** 6/8/2017 2:00:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0680	J	0.0949	LOD	0.569	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD027-SE01 **Collected:** 6/7/2017 2:55:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.210	J	0.0914	LOD	0.548	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7471B **Matrix:** SEDIMENT

Sample ID: CH-SWSD028-SE01 **Collected:** 6/7/2017 3:00:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.175	J	0.0965	LOD	0.579	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD029-SE01 **Collected:** 6/7/2017 3:15:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.141	J	0.0936	LOD	0.561	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD030-SE01 **Collected:** 6/7/2017 3:30:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0934	J	0.0769	LOD	0.462	LOQ	mg/kg	J	RI, Fd

Sample ID: CH-SWSD030-SE01D **Collected:** 6/7/2017 3:30:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.138	J	0.0778	LOD	0.467	LOQ	mg/kg	J	RI, Fd

Sample ID: CH-SWSD096-SE01 **Collected:** 6/8/2017 8:45:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.244	J	0.0768	LOD	0.461	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD097-SE01 **Collected:** 6/8/2017 8:35:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0819	J	0.0240	LOD	0.144	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD098-SE01 **Collected:** 6/8/2017 8:20:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0636	J	0.0317	LOD	0.190	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7471B **Matrix:** SEDIMENT

Sample ID: CH-SWSD099-SE01 **Collected:** 6/7/2017 5:00:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0338	J	0.0241	LOD	0.144	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD100-SE01 **Collected:** 6/7/2017 4:20:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0763	J	0.0292	LOD	0.175	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD116-SE01 **Collected:** 6/7/2017 8:50:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0261	J	0.0235	LOD	0.141	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD117-SE01 **Collected:** 6/7/2017 8:35:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0169	J	0.0244	LOD	0.146	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD118-SE01 **Collected:** 6/7/2017 8:25:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0198	J	0.0317	LOD	0.190	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD120-SE01 **Collected:** 6/6/2017 4:20:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0254	J	0.0259	LOD	0.156	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD121-SE01 **Collected:** 6/6/2017 4:30:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0607	J	0.0386	LOD	0.231	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7471B **Matrix:** SEDIMENT

Sample ID: CH-SWSD123-SE01 **Collected:** 6/6/2017 4:45:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0199	J	0.0258	LOD	0.155	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD126-SE01 **Collected:** 6/7/2017 1:50:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.269	J	0.0745	LOD	0.447	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD126-SE01D **Collected:** 6/7/2017 1:50:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.238	J	0.0723	LOD	0.434	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD127-SE01 **Collected:** 6/7/2017 1:40:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.262	J	0.0838	LOD	0.503	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD128-SE01 **Collected:** 6/7/2017 1:30:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.211	J	0.0877	LOD	0.526	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD129-SE01 **Collected:** 6/7/2017 1:15:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.246	J	0.0740	LOD	0.444	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD130-SE01 **Collected:** 6/7/2017 1:10:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.238	J	0.0939	LOD	0.564	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7471B **Matrix:** SEDIMENT

Sample ID: CH-SWSD131-SE01 **Collected:** 6/7/2017 12:50:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.216	J	0.0884	LOD	0.531	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD132-SE01 **Collected:** 6/7/2017 11:55:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.216	J	0.0916	LOD	0.549	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD133-SE01 **Collected:** 6/7/2017 11:45:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.268	J	0.0873	LOD	0.524	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD134-SE01 **Collected:** 6/7/2017 11:30:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.216	J	0.0947	LOD	0.568	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD135-SE01 **Collected:** 6/7/2017 11:10:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.212	J	0.0911	LOD	0.546	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD136-SE01 **Collected:** 6/7/2017 10:55:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.248	J	0.116	LOD	0.696	LOQ	mg/kg	J	RI, Fd

Sample ID: CH-SWSD136-SE01D **Collected:** 6/7/2017 10:55:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.139	J	0.101	LOD	0.607	LOQ	mg/kg	J	RI, Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7471B **Matrix: SEDIMENT**

Sample ID: CH-SWSD137-SE01 **Collected:** 6/7/2017 10:25:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.186	J	0.0959	LOD	0.575	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD138-SE01 **Collected:** 6/7/2017 10:10:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.144	J	0.0896	LOD	0.538	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD139-SE01 **Collected:** 6/7/2017 9:50:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.116	J	0.0786	LOD	0.472	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD140-SE01 **Collected:** 6/7/2017 9:35:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0609	J	0.0656	LOD	0.393	LOQ	mg/kg	J	RI

Method Category: SVOA

Method: 8082A **Matrix: SEDIMENT**

Sample ID: CH-SWSD126-SE01 **Collected:** 6/7/2017 1:50:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR 1260	0.047	U	0.047	LOD	0.080	LOQ	mg/kg	UJ	Fd

Sample ID: CH-SWSD126-SE01D **Collected:** 6/7/2017 1:50:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR 1260	0.043	J	0.046	LOD	0.079	LOQ	mg/kg	J	RI, Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8082A **Matrix: SEDIMENT**

Sample ID: CH-SWSD127-SE01 **Collected:** 6/7/2017 1:40:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR 1254	0.041	J	0.050	LOD	0.084	LOQ	mg/kg	J	RI
AROCLOR 1260	0.036	J	0.050	LOD	0.084	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD128-SE01 **Collected:** 6/7/2017 1:30:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR 1248	0.080	J	0.052	LOD	0.089	LOQ	mg/kg	J	RI
AROCLOR 1254	0.058	J	0.052	LOD	0.089	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD129-SE01 **Collected:** 6/7/2017 1:15:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR 1260	0.035	J	0.047	LOD	0.081	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD133-SE01 **Collected:** 6/7/2017 11:45:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR 1254	0.030	J	0.056	LOD	0.094	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD139-SE01 **Collected:** 6/7/2017 9:50:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR 1248	0.034	J	0.047	LOD	0.079	LOQ	mg/kg	J	RI

Method Category: SVOA

Method: 8270D **Matrix: SEDIMENT**

Sample ID: CH-SWSD001-SE01 **Collected:** 6/8/2017 11:45:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.013	U	0.013	LOD	0.034	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.013	U	0.013	LOD	0.034	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.013	U	0.013	LOD	0.034	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD001-SE01 **Collected:** 6/8/2017 11:45:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.01	J	0.013	LOD	0.034	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.013	U	0.013	LOD	0.034	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.011	J	0.013	LOD	0.034	LOQ	mg/kg	NP	RI, ProfJudg
Benzo (g,h,i) perylene	0.01	J	0.013	LOD	0.034	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.013	J	0.013	LOD	0.034	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.018	J	0.013	LOD	0.034	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.009	J	0.013	LOD	0.034	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.014	J	0.013	LOD	0.034	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.013	U	0.013	LOD	0.034	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.023	J	0.013	LOD	0.034	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.013	U	0.013	LOD	0.034	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.009	J	0.013	LOD	0.034	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.013	U	0.013	LOD	0.034	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.014	J	0.013	LOD	0.034	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.021	J	0.013	LOD	0.034	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: CH-SWSD002-SE01 **Collected:** 6/8/2017 11:15:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.090	U	0.090	LOD	0.23	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.090	U	0.090	LOD	0.23	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.090	U	0.090	LOD	0.23	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.090	U	0.090	LOD	0.23	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.090	U	0.090	LOD	0.23	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.090	U	0.090	LOD	0.23	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.090	U	0.090	LOD	0.23	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.090	U	0.090	LOD	0.23	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.065	J	0.090	LOD	0.23	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.051	J	0.090	LOD	0.23	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.052	J	0.090	LOD	0.23	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.090	U	0.090	LOD	0.23	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.070	J	0.090	LOD	0.23	LOQ	mg/kg	NP	RI, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD002-SE01 **Collected:** 6/8/2017 11:15:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORENE	0.090	U	0.090	LOD	0.23	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.090	U	0.090	LOD	0.23	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.090	U	0.090	LOD	0.23	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.090	U	0.090	LOD	0.23	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.074	J	0.090	LOD	0.23	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: CH-SWSD003-SE01 **Collected:** 6/8/2017 10:45:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.005	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.005	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: CH-SWSD018-SE01 **Collected:** 6/8/2017 9:40:00 AM **Analysis Type:** Dilution-01/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.22		0.11	LOD	0.11	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD018-SE01** ***Collected:*** **6/8/2017 9:40:00 AM** ***Analysis Type:*** **Dilution-01/TOT** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-Methylphenol (o-Cresol)	0.11	U	0.11	LOD	0.11	LOQ	mg/kg	NP	ProfJudg
4-Chloroaniline [p-Chloroaniline]	0.21	U	0.21	LOD	0.21	LOQ	mg/kg	NP	ProfJudg

Sample ID: **CH-SWSD018-SE01** ***Collected:*** **6/8/2017 9:40:00 AM** ***Analysis Type:*** **Dilution-01/TOT-ACID** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.11	U	0.11	LOD	0.11	LOQ	mg/kg	NP	ProfJudg
4-CHLORO-3-METHYLPHENOL	0.11	U	0.11	LOD	0.11	LOQ	mg/kg	NP	ProfJudg
BENZOIC ACID	1.6	U	1.6	LOD	1.6	LOQ	mg/kg	NP	ProfJudg

Sample ID: **CH-SWSD018-SE01** ***Collected:*** **6/8/2017 9:40:00 AM** ***Analysis Type:*** **Dilution-01/TOT-BASE/NEUTRAL** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	0.11	U	0.11	LOD	0.11	LOQ	mg/kg	NP	ProfJudg
1-METHYLNAPHTHALENE	0.47		0.021	LOD	0.054	LOQ	mg/kg	NP	ProfJudg
2-CHLORONAPHTHALENE	0.042	U	0.042	LOD	0.10	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.38		0.021	LOD	0.054	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.95		0.021	LOD	0.054	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.57		0.021	LOD	0.054	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.81		0.021	LOD	0.054	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.91		0.021	LOD	0.054	LOQ	mg/kg	NP	ProfJudg
BENZALDEHYDE	0.42	U	0.42	LOD	0.53	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.42		0.021	LOD	0.054	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.60		0.021	LOD	0.054	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	1.9		0.021	LOD	0.054	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.69		0.021	LOD	0.054	LOQ	mg/kg	NP	ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	0.42	U	0.42	LOD	0.54	LOQ	mg/kg	NP	ProfJudg
Butyl benzyl phthalate	0.42	U	0.42	LOD	0.53	LOQ	mg/kg	NP	ProfJudg
CAPROLACTAM	0.42	U	0.42	LOD	0.53	LOQ	mg/kg	NP	ProfJudg
CARBAZOLE	0.81		0.11	LOD	0.11	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	2.5		0.021	LOD	0.054	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.11		0.021	LOD	0.054	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD018-SE01 **Collected:** 6/8/2017 9:40:00 AM **Analysis Type:** Dilution-01/TOT-BASE/NEUTRAL **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DIBENZOFURAN	0.90		0.11	LOD	0.11	LOQ	mg/kg	NP	ProfJudg
DIETHYL PHTHALATE	0.42	U	0.42	LOD	0.53	LOQ	mg/kg	NP	ProfJudg
DIMETHYL PHTHALATE	0.42	U	0.42	LOD	0.53	LOQ	mg/kg	NP	ProfJudg
DI-N-BUTYL PHTHALATE	0.42	U	0.42	LOD	0.53	LOQ	mg/kg	NP	ProfJudg
DI-N-OCTYL PHTHALATE	0.42	U	0.42	LOD	0.53	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.84		0.021	LOD	0.054	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.44		0.021	LOD	0.054	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	1.2		0.021	LOD	0.054	LOQ	mg/kg	NP	ProfJudg
PYRENE	5.8		0.021	LOD	0.054	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD018-SE01 **Collected:** 6/8/2017 9:40:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORANTHENE	8.8	E	0.011	LOD	0.027	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	7.2	E	0.011	LOD	0.027	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD019-SE01 **Collected:** 6/8/2017 1:30:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.074	J	0.086	LOD	0.086	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD020-SE01 **Collected:** 6/8/2017 1:05:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORANTHENE	3.4		0.015	LOD	0.037	LOQ	mg/kg	J+	Ms
PYRENE	3.1		0.015	LOD	0.037	LOQ	mg/kg	J+	Ms

Sample ID: CH-SWSD022-SE01 **Collected:** 6/8/2017 3:00:00 PM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.30	J	0.63	LOD	0.63	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD022-SE01 **Collected:** 6/8/2017 3:00:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.008	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHYLENE	0.032		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.034		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.065		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.033		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.048		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.14		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.060		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
CARBAZOLE	0.023	J	0.042	LOD	0.042	LOQ	mg/kg	J	RI
CHRYSENE	0.10		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.012	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.26		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.01	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.033		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.004	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.091		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.19		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD023-SE01 **Collected:** 6/8/2017 2:00:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.027	J	0.039	LOD	0.098	LOQ	mg/kg	J	RI
2-METHYLNAPHTHALENE	0.027	J	0.039	LOD	0.098	LOQ	mg/kg	J	RI
ACENAPHTHENE	0.055	J	0.039	LOD	0.098	LOQ	mg/kg	J	RI
CARBAZOLE	0.14	J	0.19	LOD	0.19	LOQ	mg/kg	J	RI
DIBENZO(A,H)ANTHRACENE	0.083	J	0.039	LOD	0.098	LOQ	mg/kg	J	RI
FLUORENE	0.063	J	0.039	LOD	0.098	LOQ	mg/kg	J	RI
NAPHTHALENE	0.021	J	0.039	LOD	0.098	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix: SEDIMENT**

Sample ID: CH-SWSD027-SE01 **Collected:** 6/7/2017 2:55:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.052	J	0.039	LOD	0.098	LOQ	mg/kg	J	RI
2-METHYLNAPHTHALENE	0.062	J	0.039	LOD	0.098	LOQ	mg/kg	J	RI
NAPHTHALENE	0.086	J	0.039	LOD	0.098	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD028-SE01 **Collected:** 6/7/2017 3:00:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DIBENZOFURAN	0.15	J	0.20	LOD	0.20	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD029-SE01 **Collected:** 6/7/2017 3:15:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.097	J	0.040	LOD	0.10	LOQ	mg/kg	J	RI
DIBENZOFURAN	0.13	J	0.20	LOD	0.20	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD030-SE01 **Collected:** 6/7/2017 3:30:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.17	U	0.17	LOD	0.17	LOQ	mg/kg	UJ	Fd

Sample ID: CH-SWSD030-SE01 **Collected:** 6/7/2017 3:30:00 PM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	2.5	U	2.5	LOD	2.5	LOQ	mg/kg	UJ	Fd

Sample ID: CH-SWSD030-SE01 **Collected:** 6/7/2017 3:30:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.11		0.033	LOD	0.085	LOQ	mg/kg	J	Fd
2-METHYLNAPHTHALENE	0.14		0.033	LOD	0.085	LOQ	mg/kg	J	Fd
ACENAPHTHYLENE	1.1		0.033	LOD	0.085	LOQ	mg/kg	J	Fd
ANTHRACENE	1.1		0.033	LOD	0.085	LOQ	mg/kg	J	Fd
CARBAZOLE	0.73		0.17	LOD	0.17	LOQ	mg/kg	J	Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD030-SE01 **Collected:** 6/7/2017 3:30:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORANTHENE	6.1		0.033	LOD	0.085	LOQ	mg/kg	J	Fd
NAPHTHALENE	0.15		0.033	LOD	0.085	LOQ	mg/kg	J	Fd
PYRENE	4.8		0.033	LOD	0.085	LOQ	mg/kg	J	Fd

Sample ID: CH-SWSD030-SE01D **Collected:** 6/7/2017 3:30:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.083	J	0.16	LOD	0.16	LOQ	mg/kg	J	Rl, Fd

Sample ID: CH-SWSD030-SE01D **Collected:** 6/7/2017 3:30:00 PM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.95	J	2.4	LOD	2.4	LOQ	mg/kg	J	Rl, Fd

Sample ID: CH-SWSD030-SE01D **Collected:** 6/7/2017 3:30:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.17		0.032	LOD	0.082	LOQ	mg/kg	J	Fd
2-METHYLNAPHTHALENE	0.22		0.032	LOD	0.082	LOQ	mg/kg	J	Fd
ACENAPHTHYLENE	1.6		0.032	LOD	0.082	LOQ	mg/kg	J	Fd
ANTHRACENE	1.6		0.032	LOD	0.082	LOQ	mg/kg	J	Fd
CARBAZOLE	1.1		0.16	LOD	0.16	LOQ	mg/kg	J	Fd
FLUORANTHENE	9.5		0.032	LOD	0.082	LOQ	mg/kg	J	Fd
NAPHTHALENE	0.30		0.032	LOD	0.082	LOQ	mg/kg	J	Fd
PYRENE	7.5		0.032	LOD	0.082	LOQ	mg/kg	J	Fd

Sample ID: CH-SWSD096-SE01 **Collected:** 6/8/2017 8:45:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	0.15	U	0.15	LOD	0.15	LOQ	mg/kg	UJ	Surr
1-METHYLNAPHTHALENE	0.45		0.031	LOD	0.078	LOQ	mg/kg	J-	Surr
2-CHLORONAPHTHALENE	0.061	U	0.061	LOD	0.15	LOQ	mg/kg	UJ	Surr
2-METHYLNAPHTHALENE	0.52		0.031	LOD	0.078	LOQ	mg/kg	J-	Surr

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD096-SE01 **Collected:** 6/8/2017 8:45:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.028	J	0.031	LOD	0.078	LOQ	mg/kg	J	RI, Surr
ACENAPHTHYLENE	0.065	J	0.031	LOD	0.078	LOQ	mg/kg	J	RI, Surr
ANTHRACENE	0.057	J	0.031	LOD	0.078	LOQ	mg/kg	J	RI, Surr
BENZ(A)ANTHRACENE	0.12		0.031	LOD	0.078	LOQ	mg/kg	J-	Surr
BENZALDEHYDE	0.61	U	0.61	LOD	0.76	LOQ	mg/kg	UJ	Surr
Benzo (g,h,i) perylene	0.093		0.031	LOD	0.078	LOQ	mg/kg	J-	Surr
BENZO(A)PYRENE	0.11		0.031	LOD	0.078	LOQ	mg/kg	J-	Surr
BENZO(B)FLUORANTHENE	0.19		0.031	LOD	0.078	LOQ	mg/kg	J-	Surr
BENZO(K)FLUORANTHENE	0.078	J	0.031	LOD	0.078	LOQ	mg/kg	J-	Surr
BIS(2-ETHYLHEXYL) PHTHALATE	0.61	U	0.61	LOD	0.78	LOQ	mg/kg	UJ	Surr
Butyl benzyl phthalate	0.61	U	0.61	LOD	0.76	LOQ	mg/kg	UJ	Surr
CAPROLACTAM	0.61	U	0.61	LOD	0.76	LOQ	mg/kg	UJ	Surr
CARBAZOLE	0.10	J	0.15	LOD	0.15	LOQ	mg/kg	J	RI, Surr
CHRYSENE	0.18		0.031	LOD	0.078	LOQ	mg/kg	J-	Surr
DIBENZO(A,H)ANTHRACENE	0.031	U	0.031	LOD	0.078	LOQ	mg/kg	UJ	Surr
DIBENZOFURAN	0.14	J	0.15	LOD	0.15	LOQ	mg/kg	J	RI, Surr
DIETHYL PHTHALATE	0.61	U	0.61	LOD	0.76	LOQ	mg/kg	UJ	Surr
DIMETHYL PHTHALATE	0.61	U	0.61	LOD	0.76	LOQ	mg/kg	UJ	Surr
DI-N-BUTYL PHTHALATE	0.61	U	0.61	LOD	0.76	LOQ	mg/kg	UJ	Surr
DI-N-OCTYL PHTHALATE	0.61	U	0.61	LOD	0.76	LOQ	mg/kg	UJ	Surr
FLUORANTHENE	0.29		0.031	LOD	0.078	LOQ	mg/kg	J-	Surr
FLUORENE	0.065	J	0.031	LOD	0.078	LOQ	mg/kg	J	RI, Surr
INDENO(1,2,3-CD)PYRENE	0.082		0.031	LOD	0.078	LOQ	mg/kg	J-	Surr
NAPHTHALENE	0.43		0.031	LOD	0.078	LOQ	mg/kg	J-	Surr
PHENANTHRENE	0.31		0.031	LOD	0.078	LOQ	mg/kg	J-	Surr
PYRENE	0.25		0.031	LOD	0.078	LOQ	mg/kg	J-	Surr

Sample ID: CH-SWSD096-SE01-X **Collected:** 6/8/2017 8:45:00 AM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.90	U	0.90	LOD	0.90	LOQ	mg/kg	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	0.90	U	0.90	LOD	0.90	LOQ	mg/kg	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD096-SE01-X **Collected:** 6/8/2017 8:45:00 AM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
4-Chloroaniline [p-Chloroaniline]	1.8	U	1.8	LOD	1.8	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: CH-SWSD096-SE01-X **Collected:** 6/8/2017 8:45:00 AM **Analysis Type:** Reanalysis-01/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.90	U	0.90	LOD	0.90	LOQ	mg/kg	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	0.90	U	0.90	LOD	0.90	LOQ	mg/kg	NP	StoE, ProfJudg
BENZOIC ACID	14	U	14	LOD	14	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: CH-SWSD096-SE01-X **Collected:** 6/8/2017 8:45:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	0.90	U	0.90	LOD	0.90	LOQ	mg/kg	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	1.1		0.18	LOD	0.46	LOQ	mg/kg	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	0.36	U	0.36	LOD	0.89	LOQ	mg/kg	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	1.3		0.18	LOD	0.46	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHENE	0.12	J	0.18	LOD	0.46	LOQ	mg/kg	NP	RI, StoE, ProfJudg
ACENAPHTHYLENE	0.13	J	0.18	LOD	0.46	LOQ	mg/kg	NP	RI, StoE, ProfJudg
ANTHRACENE	0.16	J	0.18	LOD	0.46	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZ(A)ANTHRACENE	0.37	J	0.18	LOD	0.46	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZALDEHYDE	3.6	U	3.6	LOD	4.5	LOQ	mg/kg	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.35	J	0.18	LOD	0.46	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZO(A)PYRENE	0.47		0.18	LOD	0.46	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.67		0.18	LOD	0.46	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.44	J	0.18	LOD	0.46	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	3.6	U	3.6	LOD	4.6	LOQ	mg/kg	NP	StoE, ProfJudg
Butyl benzyl phthalate	3.6	U	3.6	LOD	4.5	LOQ	mg/kg	NP	StoE, ProfJudg
CAPROLACTAM	3.6	U	3.6	LOD	4.5	LOQ	mg/kg	NP	StoE, ProfJudg
CARBAZOLE	0.90	U	0.90	LOD	0.90	LOQ	mg/kg	NP	StoE, ProfJudg
CHRYSENE	0.55		0.18	LOD	0.46	LOQ	mg/kg	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD096-SE01-X **Collected:** 6/8/2017 8:45:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DIBENZO(A,H)ANTHRACENE	0.16	J	0.18	LOD	0.46	LOQ	mg/kg	NP	RI, StoE, ProfJudg
DIBENZOFURAN	0.90	U	0.90	LOD	0.90	LOQ	mg/kg	NP	StoE, ProfJudg
DIETHYL PHTHALATE	3.6	U	3.6	LOD	4.5	LOQ	mg/kg	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	3.6	U	3.6	LOD	4.5	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	3.6	U	3.6	LOD	4.5	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	3.6	U	3.6	LOD	4.5	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORANTHENE	0.86		0.18	LOD	0.46	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORENE	0.13	J	0.18	LOD	0.46	LOQ	mg/kg	NP	RI, StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.33	J	0.18	LOD	0.46	LOQ	mg/kg	NP	RI, StoE, ProfJudg
NAPHTHALENE	0.91		0.18	LOD	0.46	LOQ	mg/kg	NP	StoE, ProfJudg
PHENANTHRENE	0.84		0.18	LOD	0.46	LOQ	mg/kg	NP	StoE, ProfJudg
PYRENE	0.86		0.18	LOD	0.46	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: CH-SWSD097-SE01 **Collected:** 6/8/2017 8:35:00 AM **Analysis Type:** Dilution-01/TOT **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	1.1		0.24	LOD	0.24	LOQ	mg/kg	NP	ProfJudg
2-Methylphenol (o-Cresol)	0.23	J	0.24	LOD	0.24	LOQ	mg/kg	NP	RI, ProfJudg
4-Chloroaniline [p-Chloroaniline]	0.49	U	0.49	LOD	0.49	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD097-SE01 **Collected:** 6/8/2017 8:35:00 AM **Analysis Type:** Dilution-01/TOT-ACID **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.21	J	0.24	LOD	0.24	LOQ	mg/kg	NP	RI, ProfJudg
4-CHLORO-3-METHYLPHENOL	0.24	U	0.24	LOD	0.24	LOQ	mg/kg	NP	ProfJudg
BENZOIC ACID	3.7	U	3.7	LOD	3.7	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD097-SE01 **Collected:** 6/8/2017 8:35:00 AM **Analysis Type:** Dilution-01/TOT-BASE/NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	0.24	U	0.24	LOD	0.24	LOQ	mg/kg	NP	ProfJudg
2-CHLORONAPHTHALENE	0.098	U	0.098	LOD	0.24	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD097-SE01 **Collected:** 6/8/2017 8:35:00 AM **Analysis Type:** Dilution-01/TOT-BASE/NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.23		0.049	LOD	0.12	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.34		0.049	LOD	0.12	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.26		0.049	LOD	0.12	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.63		0.049	LOD	0.12	LOQ	mg/kg	NP	ProfJudg
BENZALDEHYDE	0.98	U	0.98	LOD	1.2	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.26		0.049	LOD	0.12	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.36		0.049	LOD	0.12	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.60		0.049	LOD	0.12	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.23		0.049	LOD	0.12	LOQ	mg/kg	NP	ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	0.98	U	0.98	LOD	1.2	LOQ	mg/kg	NP	ProfJudg
Butyl benzyl phthalate	0.98	U	0.98	LOD	1.2	LOQ	mg/kg	NP	ProfJudg
CAPROLACTAM	0.98	U	0.98	LOD	1.2	LOQ	mg/kg	NP	ProfJudg
CARBAZOLE	0.35		0.24	LOD	0.24	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.99		0.049	LOD	0.12	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.10	J	0.049	LOD	0.12	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZOFURAN	2.2		0.24	LOD	0.24	LOQ	mg/kg	NP	ProfJudg
DIETHYL PHTHALATE	0.98	U	0.98	LOD	1.2	LOQ	mg/kg	NP	ProfJudg
DIMETHYL PHTHALATE	0.98	U	0.98	LOD	1.2	LOQ	mg/kg	NP	ProfJudg
DI-N-BUTYL PHTHALATE	0.98	U	0.98	LOD	1.2	LOQ	mg/kg	NP	ProfJudg
DI-N-OCTYL PHTHALATE	0.98	U	0.98	LOD	1.2	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	1.0		0.049	LOD	0.12	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.61		0.049	LOD	0.12	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.17		0.049	LOD	0.12	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	4.0		0.049	LOD	0.12	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.95		0.049	LOD	0.12	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD097-SE01 **Collected:** 6/8/2017 8:35:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	9.4	E	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	11	E	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	8.9	E	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix: SEDIMENT**

Sample ID:CH-SWSD098-SE01 **Collected: 6/8/2017 8:20:00 AM** **Analysis Type: Initial/TOT** **Dilution: 1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-Methylphenol (o-Cresol)	0.051	J	0.063	LOD	0.063	LOQ	mg/kg	J	RI

Sample ID:CH-SWSD098-SE01 **Collected: 6/8/2017 8:20:00 AM** **Analysis Type: Initial/TOT-ACID** **Dilution: 1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.054	J	0.063	LOD	0.063	LOQ	mg/kg	J	RI
BENZOIC ACID	0.61	J	0.95	LOD	0.95	LOQ	mg/kg	J	RI

Sample ID:CH-SWSD098-SE01 **Collected: 6/8/2017 8:20:00 AM** **Analysis Type: Initial/TOT-BASE/NEUTRAL** **Dilution: 1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DIBENZO(A,H)ANTHRACENE	0.031	J	0.013	LOD	0.032	LOQ	mg/kg	J	RI

Sample ID:CH-SWSD099-SE01 **Collected: 6/7/2017 5:00:00 PM** **Analysis Type: Initial/TOT** **Dilution: 1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
4-Chloroaniline [p-Chloroaniline]	0.098	U	0.098	LOD	0.098	LOQ	mg/kg	UJ	Ms

Sample ID:CH-SWSD099-SE01 **Collected: 6/7/2017 5:00:00 PM** **Analysis Type: Initial/TOT-ACID** **Dilution: 1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.30	J	0.74	LOD	0.74	LOQ	mg/kg	J	RI, Ms

Sample ID:CH-SWSD099-SE01 **Collected: 6/7/2017 5:00:00 PM** **Analysis Type: Initial/TOT-BASE/NEUTRAL** **Dilution: 1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.14		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.18		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.023	J	0.01	LOD	0.025	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHYLENE	0.013	J	0.01	LOD	0.025	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.020	J	0.01	LOD	0.025	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.035		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.023	J	0.01	LOD	0.025	LOQ	mg/kg	NP	RI, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD099-SE01 **Collected:** 6/7/2017 5:00:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(A)PYRENE	0.037		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.050		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.031		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.045		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.006	J	0.01	LOD	0.025	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.071		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.036		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.023	J	0.01	LOD	0.025	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.14		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.087		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.061		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD100-SE01 **Collected:** 6/7/2017 4:20:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-Methylphenol (o-Cresol)	0.048	J	0.062	LOD	0.062	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD100-SE01 **Collected:** 6/7/2017 4:20:00 PM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.049	J	0.062	LOD	0.062	LOQ	mg/kg	J	RI
BENZOIC ACID	0.56	J	0.92	LOD	0.92	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD100-SE01 **Collected:** 6/7/2017 4:20:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BIS(2-ETHYLHEXYL) PHTHALATE	0.14	J	0.25	LOD	0.31	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD115-SE01 **Collected:** 6/6/2017 3:45:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD115-SE01 **Collected:** 6/6/2017 3:45:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.005	J	0.008	LOD	0.021	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
BENZO(A)PYRENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD115-SE01D **Collected:** 6/6/2017 3:45:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	Fd, ProfJudg
BENZO(A)PYRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD115-SE01D **Collected:** 6/6/2017 3:45:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORANTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD116-SE01 **Collected:** 6/7/2017 8:50:00 AM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.33	J	0.75	LOD	0.75	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD116-SE01 **Collected:** 6/7/2017 8:50:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.010	U	0.010	LOD	0.026	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.010	U	0.010	LOD	0.026	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.010	U	0.010	LOD	0.026	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.010	U	0.010	LOD	0.026	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.006	J	0.010	LOD	0.026	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.020	J	0.010	LOD	0.026	LOQ	mg/kg	NP	RI, ProfJudg
Benzo (g,h,i) perylene	0.023	J	0.010	LOD	0.026	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.030		0.010	LOD	0.026	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.037		0.010	LOD	0.026	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.022	J	0.010	LOD	0.026	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.028		0.010	LOD	0.026	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	J	0.010	LOD	0.026	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.042		0.010	LOD	0.026	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.010	U	0.010	LOD	0.026	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.021	J	0.010	LOD	0.026	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.009	J	0.010	LOD	0.026	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.013	J	0.010	LOD	0.026	LOQ	mg/kg	NP	RI, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD116-SE01 **Collected:** 6/7/2017 8:50:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
PYRENE	0.045		0.010	LOD	0.026	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD117-SE01 **Collected:** 6/7/2017 8:35:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.01	J	0.01	LOD	0.025	LOQ	mg/kg	NP	RI, ProfJudg
Benzo (g,h,i) perylene	0.008	J	0.01	LOD	0.025	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.011	J	0.01	LOD	0.025	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.013	J	0.01	LOD	0.025	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.008	J	0.01	LOD	0.025	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.012	J	0.01	LOD	0.025	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.017	J	0.01	LOD	0.025	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.010	J	0.01	LOD	0.025	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.005	J	0.01	LOD	0.025	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.017	J	0.01	LOD	0.025	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: CH-SWSD118-SE01 **Collected:** 6/7/2017 8:25:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.056		0.014	LOD	0.035	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.10		0.014	LOD	0.035	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.014	U	0.014	LOD	0.035	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.019	J	0.014	LOD	0.035	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.012	J	0.014	LOD	0.035	LOQ	mg/kg	NP	RI, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD118-SE01 **Collected:** 6/7/2017 8:25:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.015	J	0.014	LOD	0.035	LOQ	mg/kg	NP	RI, ProfJudg
Benzo (g,h,i) perylene	0.017	J	0.014	LOD	0.035	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.017	J	0.014	LOD	0.035	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.025	J	0.014	LOD	0.035	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.013	J	0.014	LOD	0.035	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.021	J	0.014	LOD	0.035	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.016	J	0.014	LOD	0.035	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.037		0.014	LOD	0.035	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.014	J	0.014	LOD	0.035	LOQ	mg/kg	NP	RI, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.012	J	0.014	LOD	0.035	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.25		0.014	LOD	0.035	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.038		0.014	LOD	0.035	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.043		0.014	LOD	0.035	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD119-SE01 **Collected:** 6/6/2017 4:05:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD119-SE01 **Collected:** 6/6/2017 4:05:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD120-SE01 **Collected:** 6/6/2017 4:20:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.017	J	0.011	LOD	0.028	LOQ	mg/kg	NP	RI, ProfJudg
2-METHYLNAPHTHALENE	0.020	J	0.011	LOD	0.028	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHENE	0.011	J	0.011	LOD	0.028	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHYLENE	0.011	U	0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.053		0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.011	J	0.011	LOD	0.028	LOQ	mg/kg	NP	RI, ProfJudg
Benzo (g,h,i) perylene	0.016	J	0.011	LOD	0.028	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.015	J	0.011	LOD	0.028	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.023	J	0.011	LOD	0.028	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.01	J	0.011	LOD	0.028	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.015	J	0.011	LOD	0.028	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.011	U	0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.027	J	0.011	LOD	0.028	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.039		0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.013	J	0.011	LOD	0.028	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.13		0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.048		0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.034		0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD121-SE01 **Collected:** 6/6/2017 4:30:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.009	J	0.017	LOD	0.042	LOQ	mg/kg	NP	RI, ProfJudg
2-METHYLNAPHTHALENE	0.011	J	0.017	LOD	0.042	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHENE	0.017	U	0.017	LOD	0.042	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD121-SE01** ***Collected:*** **6/6/2017 4:30:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
ACENAPHTHYLENE	0.017	U	0.017	LOD	0.042	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.031	J	0.017	LOD	0.042	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.017	U	0.017	LOD	0.042	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.014	J	0.017	LOD	0.042	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.018	J	0.017	LOD	0.042	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.016	J	0.017	LOD	0.042	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.011	J	0.017	LOD	0.042	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.014	J	0.017	LOD	0.042	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.017	U	0.017	LOD	0.042	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.017	J	0.017	LOD	0.042	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.017	U	0.017	LOD	0.042	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.015	J	0.017	LOD	0.042	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.01	J	0.017	LOD	0.042	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.015	J	0.017	LOD	0.042	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.027	J	0.017	LOD	0.042	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: **CH-SWSD122-SE01** ***Collected:*** **6/6/2017 4:35:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.011	U	0.011	LOD	0.027	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.011	U	0.011	LOD	0.027	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.011	U	0.011	LOD	0.027	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.011	U	0.011	LOD	0.027	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.009	J	0.011	LOD	0.027	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.011	U	0.011	LOD	0.027	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.007	J	0.011	LOD	0.027	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.007	J	0.011	LOD	0.027	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.009	J	0.011	LOD	0.027	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.011	U	0.011	LOD	0.027	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.011	U	0.011	LOD	0.027	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.020	J	0.011	LOD	0.027	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.007	J	0.011	LOD	0.027	LOQ	mg/kg	NP	RI, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD122-SE01 **Collected:** 6/6/2017 4:35:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORENE	0.031		0.011	LOD	0.027	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.011	U	0.011	LOD	0.027	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.011	U	0.011	LOD	0.027	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.011	U	0.011	LOD	0.027	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.01	J	0.011	LOD	0.027	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: CH-SWSD123-SE01 **Collected:** 6/6/2017 4:45:00 PM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.49	J	0.81	LOD	0.81	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD123-SE01 **Collected:** 6/6/2017 4:45:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.011	U	0.011	LOD	0.027	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.011	U	0.011	LOD	0.027	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.008	J	0.011	LOD	0.027	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHYLENE	0.011	U	0.011	LOD	0.027	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.012	J	0.011	LOD	0.027	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.011	U	0.011	LOD	0.027	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.009	J	0.011	LOD	0.027	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.011	U	0.011	LOD	0.027	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.008	J	0.011	LOD	0.027	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.006	J	0.011	LOD	0.027	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.011	U	0.011	LOD	0.027	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.011	U	0.011	LOD	0.027	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.006	J	0.011	LOD	0.027	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.091		0.011	LOD	0.027	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.006	J	0.011	LOD	0.027	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.011	U	0.011	LOD	0.027	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.012	J	0.011	LOD	0.027	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.007	J	0.011	LOD	0.027	LOQ	mg/kg	NP	RI, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD124-SE01** ***Collected:*** **6/6/2017 4:50:00 PM** ***Analysis Type:*** **Initial/TOT-ACID** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.29	J	0.69	LOD	0.69	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD124-SE01** ***Collected:*** **6/6/2017 4:50:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.006	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.006	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.005	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.005	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.005	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg

Sample ID: **CH-SWSD125-SE01** ***Collected:*** **6/6/2017 5:10:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.008	U	0.008	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.008	U	0.008	LOD	0.022	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD125-SE01 **Collected:** 6/6/2017 5:10:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.008	U	0.008	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.008	U	0.008	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.008	U	0.008	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.008	U	0.008	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.008	U	0.008	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.008	U	0.008	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.008	U	0.008	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.008	U	0.008	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.008	U	0.008	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.008	U	0.008	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.008	U	0.008	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.008	U	0.008	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.008	U	0.008	LOD	0.022	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD126-SE01 **Collected:** 6/7/2017 1:50:00 PM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.16	U	0.16	LOD	0.16	LOQ	mg/kg	UJ	Surr
4-CHLORO-3-METHYLPHENOL	0.16	U	0.16	LOD	0.16	LOQ	mg/kg	UJ	Surr
BENZOIC ACID	2.3	U	2.3	LOD	2.3	LOQ	mg/kg	UJ	Surr

Sample ID: CH-SWSD126-SE01 **Collected:** 6/7/2017 1:50:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	0.16	U	0.16	LOD	0.16	LOQ	mg/kg	UJ	Surr
1-METHYLNAPHTHALENE	0.023	J	0.031	LOD	0.079	LOQ	mg/kg	J	RI, Surr, Fd
2-CHLORONAPHTHALENE	0.062	U	0.062	LOD	0.15	LOQ	mg/kg	UJ	Surr
2-METHYLNAPHTHALENE	0.026	J	0.031	LOD	0.079	LOQ	mg/kg	J	RI, Surr, Fd
ACENAPHTHENE	0.034	J	0.031	LOD	0.079	LOQ	mg/kg	J	RI, Surr, Fd
ACENAPHTHYLENE	0.13		0.031	LOD	0.079	LOQ	mg/kg	J	Surr, Fd
ANTHRACENE	0.17		0.031	LOD	0.079	LOQ	mg/kg	J	Surr, Fd
BENZ(A)ANTHRACENE	0.34		0.031	LOD	0.079	LOQ	mg/kg	J	Surr, Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD126-SE01 **Collected:** 6/7/2017 1:50:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZALDEHYDE	0.62	U	0.62	LOD	0.78	LOQ	mg/kg	UJ	Surr
Benzo (g,h,i) perylene	0.19		0.031	LOD	0.079	LOQ	mg/kg	J	Surr, Fd
BENZO(A)PYRENE	0.27		0.031	LOD	0.079	LOQ	mg/kg	J	Surr, Fd
BENZO(B)FLUORANTHENE	0.76		0.031	LOD	0.079	LOQ	mg/kg	J	Surr, Fd
BENZO(K)FLUORANTHENE	0.30		0.031	LOD	0.079	LOQ	mg/kg	J	Surr, Fd
BIS(2-ETHYLHEXYL) PHTHALATE	0.62	U	0.62	LOD	0.79	LOQ	mg/kg	UJ	Surr
Butyl benzyl phthalate	0.62	U	0.62	LOD	0.78	LOQ	mg/kg	UJ	Surr
CAPROLACTAM	0.62	U	0.62	LOD	0.78	LOQ	mg/kg	UJ	Surr
CARBAZOLE	0.13	J	0.16	LOD	0.16	LOQ	mg/kg	J	Rl, Surr, Fd
CHRYSENE	0.61		0.031	LOD	0.079	LOQ	mg/kg	J	Surr, Fd
DIBENZO(A,H)ANTHRACENE	0.060	J	0.031	LOD	0.079	LOQ	mg/kg	J	Rl, Surr, Fd
DIBENZOFURAN	0.16	U	0.16	LOD	0.16	LOQ	mg/kg	UJ	Surr
DIETHYL PHTHALATE	0.62	U	0.62	LOD	0.78	LOQ	mg/kg	UJ	Surr
DIMETHYL PHTHALATE	0.62	U	0.62	LOD	0.78	LOQ	mg/kg	UJ	Surr
DI-N-BUTYL PHTHALATE	0.62	U	0.62	LOD	0.78	LOQ	mg/kg	UJ	Surr
DI-N-OCTYL PHTHALATE	0.62	U	0.62	LOD	0.78	LOQ	mg/kg	UJ	Surr
FLUORANTHENE	1.2		0.031	LOD	0.079	LOQ	mg/kg	J	Surr, Fd
FLUORENE	0.038	J	0.031	LOD	0.079	LOQ	mg/kg	J	Rl, Surr, Fd
INDENO(1,2,3-CD)PYRENE	0.21		0.031	LOD	0.079	LOQ	mg/kg	J	Surr, Fd
NAPHTHALENE	0.046	J	0.031	LOD	0.079	LOQ	mg/kg	J	Rl, Surr, Fd
PHENANTHRENE	0.39		0.031	LOD	0.079	LOQ	mg/kg	J	Surr, Fd
PYRENE	0.86		0.031	LOD	0.079	LOQ	mg/kg	J	Surr, Fd

Sample ID: CH-SWSD126-SE01D **Collected:** 6/7/2017 1:50:00 PM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.15	U	0.15	LOD	0.15	LOQ	mg/kg	UJ	Surr
4-CHLORO-3-METHYLPHENOL	0.15	U	0.15	LOD	0.15	LOQ	mg/kg	UJ	Surr
BENZOIC ACID	2.3	U	2.3	LOD	2.3	LOQ	mg/kg	UJ	Surr

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD126-SE01D** ***Collected:*** **6/7/2017 1:50:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1,4-DICHLOROBENZENE	0.15	U	0.15	LOD	0.15	LOQ	mg/kg	UJ	Surr
1-METHYLNAPHTHALENE	0.039	J	0.031	LOD	0.078	LOQ	mg/kg	J	Rl, Surr, Fd
2-CHLORONAPHTHALENE	0.061	U	0.061	LOD	0.15	LOQ	mg/kg	UJ	Surr
2-METHYLNAPHTHALENE	0.047	J	0.031	LOD	0.078	LOQ	mg/kg	J	Rl, Surr, Fd
ACENAPHTHENE	0.063	J	0.031	LOD	0.078	LOQ	mg/kg	J	Rl, Surr, Fd
ACENAPHTHYLENE	0.27		0.031	LOD	0.078	LOQ	mg/kg	J	Surr, Fd
ANTHRACENE	0.45		0.031	LOD	0.078	LOQ	mg/kg	J	Surr, Fd
BENZ(A)ANTHRACENE	0.82		0.031	LOD	0.078	LOQ	mg/kg	J	Surr, Fd
BENZALDEHYDE	0.61	U	0.61	LOD	0.77	LOQ	mg/kg	UJ	Surr
Benzo (g,h,i) perylene	0.46		0.031	LOD	0.078	LOQ	mg/kg	J	Surr, Fd
BENZO(A)PYRENE	0.64		0.031	LOD	0.078	LOQ	mg/kg	J	Surr, Fd
BENZO(B)FLUORANTHENE	1.7		0.031	LOD	0.078	LOQ	mg/kg	J	Surr, Fd
BENZO(K)FLUORANTHENE	0.83		0.031	LOD	0.078	LOQ	mg/kg	J	Surr, Fd
BIS(2-ETHYLHEXYL) PHTHALATE	0.61	U	0.61	LOD	0.78	LOQ	mg/kg	UJ	Surr
Butyl benzyl phthalate	0.61	U	0.61	LOD	0.77	LOQ	mg/kg	UJ	Surr
CAPROLACTAM	0.61	U	0.61	LOD	0.77	LOQ	mg/kg	UJ	Surr
CARBAZOLE	0.30		0.15	LOD	0.15	LOQ	mg/kg	J	Surr, Fd
CHRYSENE	1.5		0.031	LOD	0.078	LOQ	mg/kg	J	Surr, Fd
DIBENZO(A,H)ANTHRACENE	0.15		0.031	LOD	0.078	LOQ	mg/kg	J	Surr, Fd
DIBENZOFURAN	0.15	U	0.15	LOD	0.15	LOQ	mg/kg	UJ	Surr
DIETHYL PHTHALATE	0.61	U	0.61	LOD	0.77	LOQ	mg/kg	UJ	Surr
DIMETHYL PHTHALATE	0.61	U	0.61	LOD	0.77	LOQ	mg/kg	UJ	Surr
DI-N-BUTYL PHTHALATE	0.61	U	0.61	LOD	0.77	LOQ	mg/kg	UJ	Surr
DI-N-OCTYL PHTHALATE	0.61	U	0.61	LOD	0.77	LOQ	mg/kg	UJ	Surr
FLUORANTHENE	2.8		0.031	LOD	0.078	LOQ	mg/kg	J	Surr, Fd
FLUORENE	0.064	J	0.031	LOD	0.078	LOQ	mg/kg	J	Rl, Surr, Fd
INDENO(1,2,3-CD)PYRENE	0.51		0.031	LOD	0.078	LOQ	mg/kg	J	Surr, Fd
NAPHTHALENE	0.085		0.031	LOD	0.078	LOQ	mg/kg	J	Surr, Fd
PHENANTHRENE	0.91		0.031	LOD	0.078	LOQ	mg/kg	J	Surr, Fd
PYRENE	2.1		0.031	LOD	0.078	LOQ	mg/kg	J	Surr, Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD126-SE01D-X** ***Collected:*** **6/7/2017 1:50:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT** ***Dilution:*** **5**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	2.2	U	2.2	LOD	2.2	LOQ	mg/kg	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	2.2	U	2.2	LOD	2.2	LOQ	mg/kg	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	4.5	U	4.5	LOD	4.5	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: **CH-SWSD126-SE01D-X** ***Collected:*** **6/7/2017 1:50:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT-ACID** ***Dilution:*** **5**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	2.2	U	2.2	LOD	2.2	LOQ	mg/kg	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	2.2	U	2.2	LOD	2.2	LOQ	mg/kg	NP	StoE, ProfJudg
BENZOIC ACID	33	U	33	LOD	33	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: **CH-SWSD126-SE01D-X** ***Collected:*** **6/7/2017 1:50:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **5**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	2.2	U	2.2	LOD	2.2	LOQ	mg/kg	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.23	J	0.44	LOD	1.1	LOQ	mg/kg	NP	RI, StoE, Fd, ProfJudg
2-CHLORONAPHTHALENE	0.89	U	0.89	LOD	2.2	LOQ	mg/kg	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.26	J	0.44	LOD	1.1	LOQ	mg/kg	NP	RI, StoE, Fd, ProfJudg
ACENAPHTHENE	0.54	J	0.44	LOD	1.1	LOQ	mg/kg	NP	RI, StoE, Fd, ProfJudg
ACENAPHTHYLENE	2.7		0.44	LOD	1.1	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
ANTHRACENE	3.0		0.44	LOD	1.1	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
BENZ(A)ANTHRACENE	5.2		0.44	LOD	1.1	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
BENZALDEHYDE	8.9	U	8.9	LOD	11	LOQ	mg/kg	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	3.3		0.44	LOD	1.1	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
BENZO(A)PYRENE	4.7		0.44	LOD	1.1	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
BENZO(B)FLUORANTHENE	12		0.44	LOD	1.1	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
BENZO(K)FLUORANTHENE	5.7		0.44	LOD	1.1	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	8.9	U	8.9	LOD	11	LOQ	mg/kg	NP	StoE, ProfJudg
Butyl benzyl phthalate	8.9	U	8.9	LOD	11	LOQ	mg/kg	NP	StoE, ProfJudg
CAPROLACTAM	8.9	U	8.9	LOD	11	LOQ	mg/kg	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD126-SE01D-X** ***Collected:*** **6/7/2017 1:50:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **5**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBAZOLE	1.9	J	2.2	LOD	2.2	LOQ	mg/kg	NP	RI, StoE, Fd, ProfJudg
CHRYSENE	9.7		0.44	LOD	1.1	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
DIBENZO(A,H)ANTHRACENE	1.3		0.44	LOD	1.1	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
DIBENZOFURAN	2.2	U	2.2	LOD	2.2	LOQ	mg/kg	NP	StoE, ProfJudg
DIETHYL PHTHALATE	8.9	U	8.9	LOD	11	LOQ	mg/kg	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	8.9	U	8.9	LOD	11	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	8.9	U	8.9	LOD	11	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	8.9	U	8.9	LOD	11	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORANTHENE	19		0.44	LOD	1.1	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
FLUORENE	0.74	J	0.44	LOD	1.1	LOQ	mg/kg	NP	RI, StoE, Fd, ProfJudg
INDENO(1,2,3-CD)PYRENE	3.4		0.44	LOD	1.1	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
NAPHTHALENE	0.37	J	0.44	LOD	1.1	LOQ	mg/kg	NP	RI, StoE, Fd, ProfJudg
PHENANTHRENE	6.2		0.44	LOD	1.1	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
PYRENE	15		0.44	LOD	1.1	LOQ	mg/kg	NP	StoE, Fd, ProfJudg

Sample ID: **CH-SWSD126-SE01-X** ***Collected:*** **6/7/2017 1:50:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.46	U	0.46	LOD	0.46	LOQ	mg/kg	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	0.46	U	0.46	LOD	0.46	LOQ	mg/kg	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	0.91	U	0.91	LOD	0.91	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: **CH-SWSD126-SE01-X** ***Collected:*** **6/7/2017 1:50:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT-ACID** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.46	U	0.46	LOD	0.46	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	0.46	U	0.46	LOD	0.46	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
BENZOIC ACID	6.8	U	6.8	LOD	6.8	LOQ	mg/kg	NP	Surr, StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD126-SE01-X** ***Collected:*** **6/7/2017 1:50:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1,4-DICHLOROBENZENE	0.46	U	0.46	LOD	0.46	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
1-METHYLNAPHTHALENE	0.091	U	0.091	LOD	0.23	LOQ	mg/kg	NP	Surr, StoE, Fd, ProfJudg
2-CHLORONAPHTHALENE	0.18	U	0.18	LOD	0.45	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
2-METHYLNAPHTHALENE	0.065	J	0.091	LOD	0.23	LOQ	mg/kg	NP	RI, Surr, StoE, Fd, ProfJudg
ACENAPHTHENE	0.11	J	0.091	LOD	0.23	LOQ	mg/kg	NP	RI, Surr, StoE, Fd, ProfJudg
ACENAPHTHYLENE	0.51		0.091	LOD	0.23	LOQ	mg/kg	NP	Surr, StoE, Fd, ProfJudg
ANTHRACENE	0.64		0.091	LOD	0.23	LOQ	mg/kg	NP	Surr, StoE, Fd, ProfJudg
BENZ(A)ANTHRACENE	1.2		0.091	LOD	0.23	LOQ	mg/kg	NP	Surr, StoE, Fd, ProfJudg
BENZALDEHYDE	1.8	U	1.8	LOD	2.3	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
Benzo (g,h,i) perylene	0.65		0.091	LOD	0.23	LOQ	mg/kg	NP	Surr, StoE, Fd, ProfJudg
BENZO(A)PYRENE	0.93		0.091	LOD	0.23	LOQ	mg/kg	NP	Surr, StoE, Fd, ProfJudg
BENZO(B)FLUORANTHENE	2.4		0.091	LOD	0.23	LOQ	mg/kg	NP	Surr, StoE, Fd, ProfJudg
BENZO(K)FLUORANTHENE	1.1		0.091	LOD	0.23	LOQ	mg/kg	NP	Surr, StoE, Fd, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	1.8	U	1.8	LOD	2.3	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
Butyl benzyl phthalate	1.8	U	1.8	LOD	2.3	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
CAPROLACTAM	1.8	U	1.8	LOD	2.3	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
CARBAZOLE	0.38	J	0.46	LOD	0.46	LOQ	mg/kg	NP	RI, Surr, StoE, Fd, ProfJudg
CHRYSENE	1.8		0.091	LOD	0.23	LOQ	mg/kg	NP	Surr, StoE, Fd, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.26		0.091	LOD	0.23	LOQ	mg/kg	NP	Surr, StoE, Fd, ProfJudg
DIBENZOFURAN	0.46	U	0.46	LOD	0.46	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
DIETHYL PHTHALATE	1.8	U	1.8	LOD	2.3	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
DIMETHYL PHTHALATE	1.8	U	1.8	LOD	2.3	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
DI-N-BUTYL PHTHALATE	1.8	U	1.8	LOD	2.3	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
DI-N-OCTYL PHTHALATE	1.8	U	1.8	LOD	2.3	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
FLUORANTHENE	3.5		0.091	LOD	0.23	LOQ	mg/kg	NP	Surr, StoE, Fd, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD126-SE01-X **Collected:** 6/7/2017 1:50:00 PM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORENE	0.13	J	0.091	LOD	0.23	LOQ	mg/kg	NP	RI, Surr, StoE, Fd, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.70		0.091	LOD	0.23	LOQ	mg/kg	NP	Surr, StoE, Fd, ProfJudg
NAPHTHALENE	0.069	J	0.091	LOD	0.23	LOQ	mg/kg	NP	RI, Surr, StoE, Fd, ProfJudg
PHENANTHRENE	1.1		0.091	LOD	0.23	LOQ	mg/kg	NP	Surr, StoE, Fd, ProfJudg
PYRENE	2.7		0.091	LOD	0.23	LOQ	mg/kg	NP	Surr, StoE, Fd, ProfJudg

Sample ID: CH-SWSD127-SE01 **Collected:** 6/7/2017 1:40:00 PM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.17	U	0.17	LOD	0.17	LOQ	mg/kg	UJ	Surr
4-CHLORO-3-METHYLPHENOL	0.17	U	0.17	LOD	0.17	LOQ	mg/kg	UJ	Surr
BENZOIC ACID	2.5	U	2.5	LOD	2.5	LOQ	mg/kg	UJ	Surr

Sample ID: CH-SWSD127-SE01 **Collected:** 6/7/2017 1:40:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	0.17	U	0.17	LOD	0.17	LOQ	mg/kg	UJ	Surr
1-METHYLNAPHTHALENE	0.040	J	0.033	LOD	0.085	LOQ	mg/kg	J	RI, Surr
2-CHLORONAPHTHALENE	0.067	U	0.067	LOD	0.17	LOQ	mg/kg	UJ	Surr
2-METHYLNAPHTHALENE	0.053	J	0.033	LOD	0.085	LOQ	mg/kg	J	RI, Surr
ACENAPHTHENE	0.079	J	0.033	LOD	0.085	LOQ	mg/kg	J	RI, Surr
ACENAPHTHYLENE	0.45		0.033	LOD	0.085	LOQ	mg/kg	J-	Surr
ANTHRACENE	0.64		0.033	LOD	0.085	LOQ	mg/kg	J-	Surr
BENZ(A)ANTHRACENE	1.1		0.033	LOD	0.085	LOQ	mg/kg	J-	Surr
BENZALDEHYDE	0.67	U	0.67	LOD	0.84	LOQ	mg/kg	UJ	Surr
Benzo (g,h,i) perylene	0.56		0.033	LOD	0.085	LOQ	mg/kg	J-	Surr
BENZO(A)PYRENE	0.76		0.033	LOD	0.085	LOQ	mg/kg	J-	Surr
BENZO(B)FLUORANTHENE	2.2		0.033	LOD	0.085	LOQ	mg/kg	J-	Surr
BENZO(K)FLUORANTHENE	1.1		0.033	LOD	0.085	LOQ	mg/kg	J-	Surr
BIS(2-ETHYLHEXYL) PHTHALATE	0.67	U	0.67	LOD	0.85	LOQ	mg/kg	UJ	Surr
Butyl benzyl phthalate	0.67	U	0.67	LOD	0.84	LOQ	mg/kg	UJ	Surr

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD127-SE01 **Collected:** 6/7/2017 1:40:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CAPROLACTAM	0.67	U	0.67	LOD	0.84	LOQ	mg/kg	UJ	Surr
CARBAZOLE	0.41		0.17	LOD	0.17	LOQ	mg/kg	J-	Surr
CHRYSENE	2.0		0.033	LOD	0.085	LOQ	mg/kg	J-	Surr
DIBENZO(A,H)ANTHRACENE	0.26		0.033	LOD	0.085	LOQ	mg/kg	J-	Surr
DIBENZOFURAN	0.17	U	0.17	LOD	0.17	LOQ	mg/kg	UJ	Surr
DIETHYL PHTHALATE	0.67	U	0.67	LOD	0.84	LOQ	mg/kg	UJ	Surr
DIMETHYL PHTHALATE	0.67	U	0.67	LOD	0.84	LOQ	mg/kg	UJ	Surr
DI-N-BUTYL PHTHALATE	0.67	U	0.67	LOD	0.84	LOQ	mg/kg	UJ	Surr
DI-N-OCTYL PHTHALATE	0.67	U	0.67	LOD	0.84	LOQ	mg/kg	UJ	Surr
FLUORANTHENE	3.3		0.033	LOD	0.085	LOQ	mg/kg	J-	Surr
FLUORENE	0.096		0.033	LOD	0.085	LOQ	mg/kg	J-	Surr
INDENO(1,2,3-CD)PYRENE	0.61		0.033	LOD	0.085	LOQ	mg/kg	J-	Surr
NAPHTHALENE	0.12		0.033	LOD	0.085	LOQ	mg/kg	J-	Surr
PHENANTHRENE	0.89		0.033	LOD	0.085	LOQ	mg/kg	J-	Surr
PYRENE	2.4		0.033	LOD	0.085	LOQ	mg/kg	J-	Surr

Sample ID: CH-SWSD127-SE01-X **Collected:** 6/7/2017 1:40:00 PM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.49	U	0.49	LOD	0.49	LOQ	mg/kg	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	0.49	U	0.49	LOD	0.49	LOQ	mg/kg	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	0.98	U	0.98	LOD	0.98	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: CH-SWSD127-SE01-X **Collected:** 6/7/2017 1:40:00 PM **Analysis Type:** Reanalysis-01/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.49	U	0.49	LOD	0.49	LOQ	mg/kg	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	0.49	U	0.49	LOD	0.49	LOQ	mg/kg	NP	StoE, ProfJudg
BENZOIC ACID	7.3	U	7.3	LOD	7.3	LOQ	mg/kg	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD127-SE01-X** ***Collected:*** **6/7/2017 1:40:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1,4-DICHLOROBENZENE	0.49	U	0.49	LOD	0.49	LOQ	mg/kg	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.10	J	0.097	LOD	0.25	LOQ	mg/kg	NP	RI, StoE, ProfJudg
2-CHLORONAPHTHALENE	0.20	U	0.20	LOD	0.48	LOQ	mg/kg	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.14	J	0.097	LOD	0.25	LOQ	mg/kg	NP	RI, StoE, ProfJudg
ACENAPHTHENE	0.25		0.097	LOD	0.25	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHYLENE	1.6		0.097	LOD	0.25	LOQ	mg/kg	NP	StoE, ProfJudg
ANTHRACENE	2.4		0.097	LOD	0.25	LOQ	mg/kg	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	3.7		0.097	LOD	0.25	LOQ	mg/kg	NP	StoE, ProfJudg
BENZALDEHYDE	2.0	U	2.0	LOD	2.4	LOQ	mg/kg	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	1.9		0.097	LOD	0.25	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(A)PYRENE	2.7		0.097	LOD	0.25	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	7.4		0.097	LOD	0.25	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	4.0		0.097	LOD	0.25	LOQ	mg/kg	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	2.0	U	2.0	LOD	2.5	LOQ	mg/kg	NP	StoE, ProfJudg
Butyl benzyl phthalate	2.0	U	2.0	LOD	2.4	LOQ	mg/kg	NP	StoE, ProfJudg
CAPROLACTAM	2.0	U	2.0	LOD	2.4	LOQ	mg/kg	NP	StoE, ProfJudg
CARBAZOLE	1.4		0.49	LOD	0.49	LOQ	mg/kg	NP	StoE, ProfJudg
CHRYSENE	6.7		0.097	LOD	0.25	LOQ	mg/kg	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.70		0.097	LOD	0.25	LOQ	mg/kg	NP	StoE, ProfJudg
DIBENZOFURAN	0.49	U	0.49	LOD	0.49	LOQ	mg/kg	NP	StoE, ProfJudg
DIETHYL PHTHALATE	2.0	U	2.0	LOD	2.4	LOQ	mg/kg	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	2.0	U	2.0	LOD	2.4	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	2.0	U	2.0	LOD	2.4	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	2.0	U	2.0	LOD	2.4	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORANTHENE	11		0.097	LOD	0.25	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORENE	0.43		0.097	LOD	0.25	LOQ	mg/kg	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	2.1		0.097	LOD	0.25	LOQ	mg/kg	NP	StoE, ProfJudg
NAPHTHALENE	0.25		0.097	LOD	0.25	LOQ	mg/kg	NP	StoE, ProfJudg
PHENANTHRENE	3.3		0.097	LOD	0.25	LOQ	mg/kg	NP	StoE, ProfJudg
PYRENE	9.0		0.097	LOD	0.25	LOQ	mg/kg	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: **CH-SWSD128-SE01** ***Collected:*** **6/7/2017 1:30:00 PM** ***Analysis Type:*** **Initial/TOT-ACID** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.17	U	0.17	LOD	0.17	LOQ	mg/kg	UJ	Surr
4-CHLORO-3-METHYLPHENOL	0.17	U	0.17	LOD	0.17	LOQ	mg/kg	UJ	Surr
BENZOIC ACID	2.6	U	2.6	LOD	2.6	LOQ	mg/kg	UJ	Surr

Sample ID: **CH-SWSD128-SE01** ***Collected:*** **6/7/2017 1:30:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	0.17	U	0.17	LOD	0.17	LOQ	mg/kg	UJ	Surr
1-METHYLNAPHTHALENE	0.029	J	0.035	LOD	0.088	LOQ	mg/kg	J	RI, Surr
2-CHLORONAPHTHALENE	0.069	U	0.069	LOD	0.17	LOQ	mg/kg	UJ	Surr
2-METHYLNAPHTHALENE	0.035	J	0.035	LOD	0.088	LOQ	mg/kg	J	RI, Surr
ACENAPHTHENE	0.066	J	0.035	LOD	0.088	LOQ	mg/kg	J	RI, Surr
ACENAPHTHYLENE	0.35		0.035	LOD	0.088	LOQ	mg/kg	J-	Surr
ANTHRACENE	0.48		0.035	LOD	0.088	LOQ	mg/kg	J-	Surr
BENZ(A)ANTHRACENE	0.67		0.035	LOD	0.088	LOQ	mg/kg	J-	Surr
BENZALDEHYDE	0.69	U	0.69	LOD	0.87	LOQ	mg/kg	UJ	Surr
Benzo (g,h,i) perylene	0.39		0.035	LOD	0.088	LOQ	mg/kg	J-	Surr
BENZO(A)PYRENE	0.52		0.035	LOD	0.088	LOQ	mg/kg	J-	Surr
BENZO(B)FLUORANTHENE	1.8		0.035	LOD	0.088	LOQ	mg/kg	J-	Surr
BENZO(K)FLUORANTHENE	0.66		0.035	LOD	0.088	LOQ	mg/kg	J-	Surr
BIS(2-ETHYLHEXYL) PHTHALATE	0.69	U	0.69	LOD	0.88	LOQ	mg/kg	UJ	Surr
Butyl benzyl phthalate	0.69	U	0.69	LOD	0.87	LOQ	mg/kg	UJ	Surr
CAPROLACTAM	0.69	U	0.69	LOD	0.87	LOQ	mg/kg	UJ	Surr
CARBAZOLE	0.41		0.17	LOD	0.17	LOQ	mg/kg	J-	Surr
CHRYSENE	1.6		0.035	LOD	0.088	LOQ	mg/kg	J-	Surr
DIBENZO(A,H)ANTHRACENE	0.17		0.035	LOD	0.088	LOQ	mg/kg	J-	Surr
DIBENZOFURAN	0.17	U	0.17	LOD	0.17	LOQ	mg/kg	UJ	Surr
DIETHYL PHTHALATE	0.69	U	0.69	LOD	0.87	LOQ	mg/kg	UJ	Surr
DIMETHYL PHTHALATE	0.69	U	0.69	LOD	0.87	LOQ	mg/kg	UJ	Surr
DI-N-BUTYL PHTHALATE	0.69	U	0.69	LOD	0.87	LOQ	mg/kg	UJ	Surr
DI-N-OCTYL PHTHALATE	0.69	U	0.69	LOD	0.87	LOQ	mg/kg	UJ	Surr
FLUORANTHENE	3.7		0.035	LOD	0.088	LOQ	mg/kg	J-	Surr

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD128-SE01 **Collected:** 6/7/2017 1:30:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORENE	0.082	J	0.035	LOD	0.088	LOQ	mg/kg	J	RI, Surr
INDENO(1,2,3-CD)PYRENE	0.46		0.035	LOD	0.088	LOQ	mg/kg	J-	Surr
NAPHTHALENE	0.072	J	0.035	LOD	0.088	LOQ	mg/kg	J	RI, Surr
PHENANTHRENE	1.5		0.035	LOD	0.088	LOQ	mg/kg	J-	Surr
PYRENE	2.5		0.035	LOD	0.088	LOQ	mg/kg	J-	Surr

Sample ID: CH-SWSD128-SE01-X **Collected:** 6/7/2017 1:30:00 PM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.52	U	0.52	LOD	0.52	LOQ	mg/kg	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	0.52	U	0.52	LOD	0.52	LOQ	mg/kg	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	1.0	U	1.0	LOD	1.0	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: CH-SWSD128-SE01-X **Collected:** 6/7/2017 1:30:00 PM **Analysis Type:** Reanalysis-01/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.52	U	0.52	LOD	0.52	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	0.52	U	0.52	LOD	0.52	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
BENZOIC ACID	7.7	U	7.7	LOD	7.7	LOQ	mg/kg	NP	Surr, StoE, ProfJudg

Sample ID: CH-SWSD128-SE01-X **Collected:** 6/7/2017 1:30:00 PM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	0.52	U	0.52	LOD	0.52	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
1-METHYLNAPHTHALENE	0.066	J	0.10	LOD	0.26	LOQ	mg/kg	NP	RI, Surr, StoE, ProfJudg
2-CHLORONAPHTHALENE	0.21	U	0.21	LOD	0.51	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
2-METHYLNAPHTHALENE	0.087	J	0.10	LOD	0.26	LOQ	mg/kg	NP	RI, Surr, StoE, ProfJudg
ACENAPHTHENE	0.19	J	0.10	LOD	0.26	LOQ	mg/kg	NP	RI, Surr, StoE, ProfJudg
ACENAPHTHYLENE	1.1		0.10	LOD	0.26	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
ANTHRACENE	1.3		0.10	LOD	0.26	LOQ	mg/kg	NP	Surr, StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD128-SE01-X** ***Collected:*** **6/7/2017 1:30:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
BENZ(A)ANTHRACENE	1.7		0.10	LOD	0.26	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
BENZALDEHYDE	2.1	U	2.1	LOD	2.6	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
Benzo (g,h,i) perylene	1.1		0.10	LOD	0.26	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
BENZO(A)PYRENE	1.4		0.10	LOD	0.26	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
BENZO(B)FLUORANTHENE	4.6		0.10	LOD	0.26	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
BENZO(K)FLUORANTHENE	1.8		0.10	LOD	0.26	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	2.1	U	2.1	LOD	2.6	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
Butyl benzyl phthalate	2.1	U	2.1	LOD	2.6	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
CAPROLACTAM	2.1	U	2.1	LOD	2.6	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
CARBAZOLE	0.88		0.52	LOD	0.52	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
CHRYSENE	3.9		0.10	LOD	0.26	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.41		0.10	LOD	0.26	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
DIBENZOFURAN	0.52	U	0.52	LOD	0.52	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
DIETHYL PHTHALATE	2.1	U	2.1	LOD	2.6	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
DIMETHYL PHTHALATE	2.1	U	2.1	LOD	2.6	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
DI-N-BUTYL PHTHALATE	2.1	U	2.1	LOD	2.6	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
DI-N-OCTYL PHTHALATE	2.1	U	2.1	LOD	2.6	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
FLUORANTHENE	7.0		0.10	LOD	0.26	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
FLUORENE	0.24	J	0.10	LOD	0.26	LOQ	mg/kg	NP	RI, Surr, StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	1.2		0.10	LOD	0.26	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
NAPHTHALENE	0.13	J	0.10	LOD	0.26	LOQ	mg/kg	NP	RI, Surr, StoE, ProfJudg
PHENANTHRENE	2.6		0.10	LOD	0.26	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
PYRENE	5.4		0.10	LOD	0.26	LOQ	mg/kg	NP	Surr, StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix: SEDIMENT**

Sample ID:CH-SWSD129-SE01 **Collected: 6/7/2017 1:15:00 PM** **Analysis Type: Initial/TOT-BASE/NEUTRAL** **Dilution: 1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.057	J	0.031	LOD	0.080	LOQ	mg/kg	J	RI
DIBENZOFURAN	0.11	J	0.16	LOD	0.16	LOQ	mg/kg	J	RI

Sample ID:CH-SWSD129-SE01-X **Collected: 6/7/2017 1:15:00 PM** **Analysis Type: Reanalysis-01/TOT** **Dilution: 1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.48	U	0.48	LOD	0.48	LOQ	mg/kg	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	0.48	U	0.48	LOD	0.48	LOQ	mg/kg	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	0.95	U	0.95	LOD	0.95	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID:CH-SWSD129-SE01-X **Collected: 6/7/2017 1:15:00 PM** **Analysis Type: Reanalysis-01/TOT-ACID** **Dilution: 1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.48	U	0.48	LOD	0.48	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	0.48	U	0.48	LOD	0.48	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
BENZOIC ACID	7.1	U	7.1	LOD	7.1	LOQ	mg/kg	NP	Surr, StoE, ProfJudg

Sample ID:CH-SWSD129-SE01-X **Collected: 6/7/2017 1:15:00 PM** **Analysis Type: Reanalysis-01/TOT-BASE/NEUTRAL** **Dilution: 1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	0.48	U	0.48	LOD	0.48	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
1-METHYLNAPHTHALENE	0.095	U	0.095	LOD	0.24	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
2-CHLORONAPHTHALENE	0.19	U	0.19	LOD	0.47	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
2-METHYLNAPHTHALENE	0.095	U	0.095	LOD	0.24	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
ACENAPHTHENE	0.10	J	0.095	LOD	0.24	LOQ	mg/kg	NP	RI, Surr, StoE, ProfJudg
ACENAPHTHYLENE	0.71		0.095	LOD	0.24	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
ANTHRACENE	0.82		0.095	LOD	0.24	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
BENZ(A)ANTHRACENE	1.5		0.095	LOD	0.24	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
BENZALDEHYDE	1.9	U	1.9	LOD	2.4	LOQ	mg/kg	NP	Surr, StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD129-SE01-X **Collected:** 6/7/2017 1:15:00 PM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Benzo (g,h,i) perylene	0.82		0.095	LOD	0.24	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
BENZO(A)PYRENE	1.2		0.095	LOD	0.24	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
BENZO(B)FLUORANTHENE	3.7		0.095	LOD	0.24	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
BENZO(K)FLUORANTHENE	1.2		0.095	LOD	0.24	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	1.9	U	1.9	LOD	2.4	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
Butyl benzyl phthalate	1.9	U	1.9	LOD	2.4	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
CAPROLACTAM	1.9	U	1.9	LOD	2.4	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
CARBAZOLE	0.58		0.48	LOD	0.48	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
CHRYSENE	3.1		0.095	LOD	0.24	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.28		0.095	LOD	0.24	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
DIBENZOFURAN	0.48	U	0.48	LOD	0.48	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
DIETHYL PHTHALATE	1.9	U	1.9	LOD	2.4	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
DIMETHYL PHTHALATE	1.9	U	1.9	LOD	2.4	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
DI-N-BUTYL PHTHALATE	1.9	U	1.9	LOD	2.4	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
DI-N-OCTYL PHTHALATE	1.9	U	1.9	LOD	2.4	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
FLUORANTHENE	5.2		0.095	LOD	0.24	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
FLUORENE	0.18	J	0.095	LOD	0.24	LOQ	mg/kg	NP	RI, Surr, StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.85		0.095	LOD	0.24	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
NAPHTHALENE	0.11	J	0.095	LOD	0.24	LOQ	mg/kg	NP	RI, Surr, StoE, ProfJudg
PHENANTHRENE	1.9		0.095	LOD	0.24	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
PYRENE	4.2		0.095	LOD	0.24	LOQ	mg/kg	NP	Surr, StoE, ProfJudg

Sample ID: CH-SWSD130-SE01 **Collected:** 6/7/2017 1:10:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DIBENZOFURAN	0.12	J	0.20	LOD	0.20	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD131-SE01 **Collected:** 6/7/2017 12:50:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.19	U	0.19	LOD	0.19	LOQ	mg/kg	UJ	Ms
2-Methylphenol (o-Cresol)	0.19	U	0.19	LOD	0.19	LOQ	mg/kg	UJ	Ms
4-Chloroaniline [p-Chloroaniline]	0.38	U	0.38	LOD	0.38	LOQ	mg/kg	UJ	Ms

Sample ID: CH-SWSD131-SE01 **Collected:** 6/7/2017 12:50:00 PM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.19	U	0.19	LOD	0.19	LOQ	mg/kg	UJ	Ms
4-CHLORO-3-METHYLPHENOL	0.19	U	0.19	LOD	0.19	LOQ	mg/kg	UJ	Ms
BENZOIC ACID	2.9	U	2.9	LOD	2.9	LOQ	mg/kg	UJ	Ms

Sample ID: CH-SWSD131-SE01 **Collected:** 6/7/2017 12:50:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	0.19	U	0.19	LOD	0.19	LOQ	mg/kg	UJ	Ms
1-METHYLNAPHTHALENE	0.054	J	0.038	LOD	0.097	LOQ	mg/kg	J	Rl, Ms, Ms
2-CHLORONAPHTHALENE	0.076	U	0.076	LOD	0.19	LOQ	mg/kg	UJ	Ms
2-METHYLNAPHTHALENE	0.075	J	0.038	LOD	0.097	LOQ	mg/kg	J	Rl, Ms, Ms
ACENAPHTHENE	0.093	J	0.038	LOD	0.097	LOQ	mg/kg	J	Rl, Ms, Ms
ACENAPHTHYLENE	0.73		0.038	LOD	0.097	LOQ	mg/kg	J	Ms, Ms
ANTHRACENE	1.1		0.038	LOD	0.097	LOQ	mg/kg	J	Ms, Ms
BENZ(A)ANTHRACENE	2.2		0.038	LOD	0.097	LOQ	mg/kg	J-	Ms
BENZALDEHYDE	0.76	U	0.76	LOD	0.95	LOQ	mg/kg	UJ	Ms
Benzo (g,h,i) perylene	1.1		0.038	LOD	0.097	LOQ	mg/kg	J	Ms, Ms
BENZO(A)PYRENE	1.6		0.038	LOD	0.097	LOQ	mg/kg	J	Ms, Ms
BENZO(B)FLUORANTHENE	4.5		0.038	LOD	0.097	LOQ	mg/kg	J	Ms, Ms
BENZO(K)FLUORANTHENE	1.7		0.038	LOD	0.097	LOQ	mg/kg	J	Ms, Ms
BIS(2-ETHYLHEXYL) PHTHALATE	0.76	U	0.76	LOD	0.97	LOQ	mg/kg	UJ	Ms
Butyl benzyl phthalate	0.76	U	0.76	LOD	0.95	LOQ	mg/kg	UJ	Ms
CAPROLACTAM	0.76	U	0.76	LOD	0.95	LOQ	mg/kg	UJ	Ms
CARBAZOLE	0.63		0.19	LOD	0.19	LOQ	mg/kg	J	Ms, Ms
CHRYSENE	3.9		0.038	LOD	0.097	LOQ	mg/kg	J	Ms, Ms

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD131-SE01 **Collected:** 6/7/2017 12:50:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DIBENZO(A,H)ANTHRACENE	0.37		0.038	LOD	0.097	LOQ	mg/kg	J	Ms, Ms
DIBENZOFURAN	0.19	U	0.19	LOD	0.19	LOQ	mg/kg	UJ	Ms
DIETHYL PHTHALATE	0.76	U	0.76	LOD	0.95	LOQ	mg/kg	UJ	Ms
DIMETHYL PHTHALATE	0.76	U	0.76	LOD	0.95	LOQ	mg/kg	UJ	Ms
DI-N-BUTYL PHTHALATE	0.76	U	0.76	LOD	0.95	LOQ	mg/kg	UJ	Ms
DI-N-OCTYL PHTHALATE	0.76	U	0.76	LOD	0.95	LOQ	mg/kg	UJ	Ms
FLUORANTHENE	6.0		0.038	LOD	0.097	LOQ	mg/kg	J-	Ms
FLUORENE	0.12		0.038	LOD	0.097	LOQ	mg/kg	J	Ms, Ms
INDENO(1,2,3-CD)PYRENE	1.2		0.038	LOD	0.097	LOQ	mg/kg	J	Ms, Ms
NAPHTHALENE	0.16		0.038	LOD	0.097	LOQ	mg/kg	J	Ms, Ms
PHENANTHRENE	1.5		0.038	LOD	0.097	LOQ	mg/kg	J	Ms, Ms
PYRENE	4.5		0.038	LOD	0.097	LOQ	mg/kg	J	Ms, Ms

Sample ID: CH-SWSD131-SE01-X **Collected:** 6/7/2017 12:50:00 PM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.56	U	0.56	LOD	0.56	LOQ	mg/kg	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	0.56	U	0.56	LOD	0.56	LOQ	mg/kg	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	1.1	U	1.1	LOD	1.1	LOQ	mg/kg	NP	Ms, StoE, ProfJudg

Sample ID: CH-SWSD131-SE01-X **Collected:** 6/7/2017 12:50:00 PM **Analysis Type:** Reanalysis-01/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.56	U	0.56	LOD	0.56	LOQ	mg/kg	NP	Ms, StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	0.56	U	0.56	LOD	0.56	LOQ	mg/kg	NP	Ms, StoE, ProfJudg
BENZOIC ACID	8.4	U	8.4	LOD	8.4	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: CH-SWSD131-SE01-X **Collected:** 6/7/2017 12:50:00 PM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	0.56	U	0.56	LOD	0.56	LOQ	mg/kg	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD131-SE01-X** ***Collected:*** **6/7/2017 12:50:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.070	J	0.11	LOD	0.28	LOQ	mg/kg	NP	Rl, Ms, StoE, ProfJudg
2-CHLORONAPHTHALENE	0.22	U	0.22	LOD	0.55	LOQ	mg/kg	NP	Ms, StoE, ProfJudg
2-METHYLNAPHTHALENE	0.13	J	0.11	LOD	0.28	LOQ	mg/kg	NP	Rl, Ms, StoE, ProfJudg
ACENAPHTHENE	0.26	J	0.11	LOD	0.28	LOQ	mg/kg	NP	Rl, Ms, StoE, ProfJudg
ACENAPHTHYLENE	2.0		0.11	LOD	0.28	LOQ	mg/kg	NP	Ms, StoE, ProfJudg
ANTHRACENE	2.6		0.11	LOD	0.28	LOQ	mg/kg	NP	Ms, Ms, StoE, ProfJudg
BENZ(A)ANTHRACENE	3.9		0.11	LOD	0.28	LOQ	mg/kg	NP	Ms, Ms, StoE, ProfJudg
BENZALDEHYDE	2.2	U	2.2	LOD	2.8	LOQ	mg/kg	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	2.2		0.11	LOD	0.28	LOQ	mg/kg	NP	Ms, Ms, StoE, ProfJudg
BENZO(A)PYRENE	3.1		0.11	LOD	0.28	LOQ	mg/kg	NP	Ms, Ms, StoE, ProfJudg
BENZO(B)FLUORANTHENE	9.5		0.11	LOD	0.28	LOQ	mg/kg	NP	Ms, Ms, StoE, ProfJudg
BENZO(K)FLUORANTHENE	3.3		0.11	LOD	0.28	LOQ	mg/kg	NP	Ms, Ms, StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	2.2	U	2.2	LOD	2.8	LOQ	mg/kg	NP	Ms, StoE, ProfJudg
Butyl benzyl phthalate	2.2	U	2.2	LOD	2.8	LOQ	mg/kg	NP	Ms, StoE, ProfJudg
CAPROLACTAM	2.2	U	2.2	LOD	2.8	LOQ	mg/kg	NP	Ms, StoE, ProfJudg
CARBAZOLE	1.3		0.56	LOD	0.56	LOQ	mg/kg	NP	Ms, Ms, StoE, ProfJudg
CHRYSENE	7.4		0.11	LOD	0.28	LOQ	mg/kg	NP	Ms, Ms, StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.81		0.11	LOD	0.28	LOQ	mg/kg	NP	Ms, Ms, StoE, ProfJudg
DIBENZOFURAN	0.56	U	0.56	LOD	0.56	LOQ	mg/kg	NP	Ms, StoE, ProfJudg
DIETHYL PHTHALATE	2.2	U	2.2	LOD	2.8	LOQ	mg/kg	NP	Ms, StoE, ProfJudg
DIMETHYL PHTHALATE	2.2	U	2.2	LOD	2.8	LOQ	mg/kg	NP	Ms, StoE, ProfJudg
DI-N-BUTYL PHTHALATE	2.2	U	2.2	LOD	2.8	LOQ	mg/kg	NP	Ms, StoE, ProfJudg
DI-N-OCTYL PHTHALATE	2.2	U	2.2	LOD	2.8	LOQ	mg/kg	NP	Ms, StoE, ProfJudg
FLUORANTHENE	12		0.11	LOD	0.28	LOQ	mg/kg	NP	Ms, StoE, ProfJudg
FLUORENE	0.39		0.11	LOD	0.28	LOQ	mg/kg	NP	Ms, Ms, StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD131-SE01-X **Collected:** 6/7/2017 12:50:00 PM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
INDENO(1,2,3-CD)PYRENE	2.3		0.11	LOD	0.28	LOQ	mg/kg	NP	Ms, Ms, StoE, ProfJudg
NAPHTHALENE	0.24	J	0.11	LOD	0.28	LOQ	mg/kg	NP	RI, Ms, StoE, ProfJudg
PHENANTHRENE	3.3		0.11	LOD	0.28	LOQ	mg/kg	NP	Ms, Ms, StoE, ProfJudg
PYRENE	9.5		0.11	LOD	0.28	LOQ	mg/kg	NP	Ms, Ms, StoE, ProfJudg

Sample ID: CH-SWSD132-SE01 **Collected:** 6/7/2017 11:55:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.060	J	0.040	LOD	0.10	LOQ	mg/kg	J	RI
2-METHYLNAPHTHALENE	0.073	J	0.040	LOD	0.10	LOQ	mg/kg	J	RI
DIBENZOFURAN	0.10	J	0.20	LOD	0.20	LOQ	mg/kg	J	RI
NAPHTHALENE	0.090	J	0.040	LOD	0.10	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD133-SE01 **Collected:** 6/7/2017 11:45:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.040	J	0.037	LOD	0.095	LOQ	mg/kg	J	RI
2-METHYLNAPHTHALENE	0.051	J	0.037	LOD	0.095	LOQ	mg/kg	J	RI
NAPHTHALENE	0.064	J	0.037	LOD	0.095	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD133-SE01-X **Collected:** 6/7/2017 11:45:00 AM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.55	U	0.55	LOD	0.55	LOQ	mg/kg	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	0.55	U	0.55	LOD	0.55	LOQ	mg/kg	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	1.1	U	1.1	LOD	1.1	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: CH-SWSD133-SE01-X **Collected:** 6/7/2017 11:45:00 AM **Analysis Type:** Reanalysis-01/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.55	U	0.55	LOD	0.55	LOQ	mg/kg	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	0.55	U	0.55	LOD	0.55	LOQ	mg/kg	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD133-SE01-X **Collected:** 6/7/2017 11:45:00 AM **Analysis Type:** Reanalysis-01/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	8.3	U	8.3	LOD	8.3	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: CH-SWSD133-SE01-X **Collected:** 6/7/2017 11:45:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	0.55	U	0.55	LOD	0.55	LOQ	mg/kg	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.21	J	0.11	LOD	0.28	LOQ	mg/kg	NP	RI, StoE, ProfJudg
2-CHLORONAPHTHALENE	0.22	U	0.22	LOD	0.55	LOQ	mg/kg	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.24	J	0.11	LOD	0.28	LOQ	mg/kg	NP	RI, StoE, ProfJudg
ACENAPHTHENE	0.62		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHYLENE	3.0		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
ANTHRACENE	3.3		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	5.4		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
BENZALDEHYDE	2.2	U	2.2	LOD	2.8	LOQ	mg/kg	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	2.2		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(A)PYRENE	3.5		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	10		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	3.9		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	2.2	U	2.2	LOD	2.8	LOQ	mg/kg	NP	StoE, ProfJudg
Butyl benzyl phthalate	2.2	U	2.2	LOD	2.8	LOQ	mg/kg	NP	StoE, ProfJudg
CAPROLACTAM	2.2	U	2.2	LOD	2.8	LOQ	mg/kg	NP	StoE, ProfJudg
CARBAZOLE	1.6		0.55	LOD	0.55	LOQ	mg/kg	NP	StoE, ProfJudg
CHRYSENE	9.5		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.81		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
DIBENZOFURAN	0.32	J	0.55	LOD	0.55	LOQ	mg/kg	NP	RI, StoE, ProfJudg
DIETHYL PHTHALATE	2.2	U	2.2	LOD	2.8	LOQ	mg/kg	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	2.2	U	2.2	LOD	2.8	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	2.2	U	2.2	LOD	2.8	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	2.2	U	2.2	LOD	2.8	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORANTHENE	14		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORENE	0.71		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD133-SE01-X **Collected:** 6/7/2017 11:45:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
INDENO(1,2,3-CD)PYRENE	2.3		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
NAPHTHALENE	0.25	J	0.11	LOD	0.28	LOQ	mg/kg	NP	RI, StoE, ProfJudg
PHENANTHRENE	5.6		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
PYRENE	11		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: CH-SWSD134-SE01 **Collected:** 6/7/2017 11:30:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.097	J	0.040	LOD	0.10	LOQ	mg/kg	J	RI
DIBENZOFURAN	0.16	J	0.20	LOD	0.20	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD135-SE01 **Collected:** 6/7/2017 11:10:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.036	J	0.036	LOD	0.093	LOQ	mg/kg	J	RI
2-METHYLNAPHTHALENE	0.048	J	0.036	LOD	0.093	LOQ	mg/kg	J	RI
NAPHTHALENE	0.049	J	0.036	LOD	0.093	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD135-SE01-X **Collected:** 6/7/2017 11:10:00 AM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.54	U	0.54	LOD	0.54	LOQ	mg/kg	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	0.54	U	0.54	LOD	0.54	LOQ	mg/kg	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	1.1	U	1.1	LOD	1.1	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: CH-SWSD135-SE01-X **Collected:** 6/7/2017 11:10:00 AM **Analysis Type:** Reanalysis-01/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.54	U	0.54	LOD	0.54	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	0.54	U	0.54	LOD	0.54	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
BENZOIC ACID	8.1	U	8.1	LOD	8.1	LOQ	mg/kg	NP	Surr, StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD135-SE01-X** ***Collected:*** **6/7/2017 11:10:00 AM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1,4-DICHLOROBENZENE	0.54	U	0.54	LOD	0.54	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
1-METHYLNAPHTHALENE	0.11	U	0.11	LOD	0.28	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
2-CHLORONAPHTHALENE	0.22	U	0.22	LOD	0.54	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
2-METHYLNAPHTHALENE	0.055	J	0.11	LOD	0.28	LOQ	mg/kg	NP	RI, Surr, StoE, ProfJudg
ACENAPHTHENE	0.25	J	0.11	LOD	0.28	LOQ	mg/kg	NP	RI, Surr, StoE, ProfJudg
ACENAPHTHYLENE	0.64		0.11	LOD	0.28	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
ANTHRACENE	1.1		0.11	LOD	0.28	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
BENZ(A)ANTHRACENE	1.3		0.11	LOD	0.28	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
BENZALDEHYDE	2.2	U	2.2	LOD	2.7	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
Benzo (g,h,i) perylene	0.45		0.11	LOD	0.28	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
BENZO(A)PYRENE	0.72		0.11	LOD	0.28	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
BENZO(B)FLUORANTHENE	2.0		0.11	LOD	0.28	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.76		0.11	LOD	0.28	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	2.2	U	2.2	LOD	2.8	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
Butyl benzyl phthalate	2.2	U	2.2	LOD	2.7	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
CAPROLACTAM	2.2	U	2.2	LOD	2.7	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
CARBAZOLE	0.43	J	0.54	LOD	0.54	LOQ	mg/kg	NP	RI, Surr, StoE, ProfJudg
CHRYSENE	2.0		0.11	LOD	0.28	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	J	0.11	LOD	0.28	LOQ	mg/kg	NP	RI, Surr, StoE, ProfJudg
DIBENZOFURAN	0.32	J	0.54	LOD	0.54	LOQ	mg/kg	NP	RI, Surr, StoE, ProfJudg
DIETHYL PHTHALATE	2.2	U	2.2	LOD	2.7	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
DIMETHYL PHTHALATE	2.2	U	2.2	LOD	2.7	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
DI-N-BUTYL PHTHALATE	2.2	U	2.2	LOD	2.7	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
DI-N-OCTYL PHTHALATE	2.2	U	2.2	LOD	2.7	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
FLUORANTHENE	4.4		0.11	LOD	0.28	LOQ	mg/kg	NP	Surr, StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD135-SE01-X **Collected:** 6/7/2017 11:10:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORENE	0.75		0.11	LOD	0.28	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.46		0.11	LOD	0.28	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
NAPHTHALENE	0.060	J	0.11	LOD	0.28	LOQ	mg/kg	NP	RI, Surr, StoE, ProfJudg
PHENANTHRENE	3.7		0.11	LOD	0.28	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
PYRENE	3.8		0.11	LOD	0.28	LOQ	mg/kg	NP	Surr, StoE, ProfJudg

Sample ID: CH-SWSD136-SE01 **Collected:** 6/7/2017 10:55:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21		0.047	LOD	0.12	LOQ	mg/kg	J	Fd
2-METHYLNAPHTHALENE	0.22		0.047	LOD	0.12	LOQ	mg/kg	J	Fd
ACENAPHTHENE	0.62		0.047	LOD	0.12	LOQ	mg/kg	J	Fd
ACENAPHTHYLENE	1.4		0.047	LOD	0.12	LOQ	mg/kg	J	Fd
ANTHRACENE	1.6		0.047	LOD	0.12	LOQ	mg/kg	J	Fd
BENZ(A)ANTHRACENE	1.8		0.047	LOD	0.12	LOQ	mg/kg	J	Fd
Benzo (g,h,i) perylene	0.84		0.047	LOD	0.12	LOQ	mg/kg	J	Fd
BENZO(A)PYRENE	1.1		0.047	LOD	0.12	LOQ	mg/kg	J	Fd
BENZO(B)FLUORANTHENE	3.5		0.047	LOD	0.12	LOQ	mg/kg	J	Fd
BENZO(K)FLUORANTHENE	1.6		0.047	LOD	0.12	LOQ	mg/kg	J	Fd
CARBAZOLE	1.1		0.24	LOD	0.24	LOQ	mg/kg	J	Fd
CHRYSENE	5.2		0.047	LOD	0.12	LOQ	mg/kg	J	Fd
DIBENZO(A,H)ANTHRACENE	0.24		0.047	LOD	0.12	LOQ	mg/kg	J	Fd
DIBENZOFURAN	0.45		0.24	LOD	0.24	LOQ	mg/kg	J	Fd
FLUORANTHENE	14		0.047	LOD	0.12	LOQ	mg/kg	J	Fd
FLUORENE	0.58		0.047	LOD	0.12	LOQ	mg/kg	J	Fd
INDENO(1,2,3-CD)PYRENE	0.91		0.047	LOD	0.12	LOQ	mg/kg	J	Fd
NAPHTHALENE	0.46		0.047	LOD	0.12	LOQ	mg/kg	J	Fd
PHENANTHRENE	9.9		0.047	LOD	0.12	LOQ	mg/kg	J	Fd
PYRENE	8.7		0.047	LOD	0.12	LOQ	mg/kg	J	Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD136-SE01D **Collected:** 6/7/2017 10:55:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.054	J	0.041	LOD	0.10	LOQ	mg/kg	J	Rl, Fd
2-METHYLNAPHTHALENE	0.067	J	0.041	LOD	0.10	LOQ	mg/kg	J	Rl, Fd
ACENAPHTHENE	0.11		0.041	LOD	0.10	LOQ	mg/kg	J	Fd
ACENAPHTHYLENE	0.27		0.041	LOD	0.10	LOQ	mg/kg	J	Fd
ANTHRACENE	0.31		0.041	LOD	0.10	LOQ	mg/kg	J	Fd
BENZ(A)ANTHRACENE	0.69		0.041	LOD	0.10	LOQ	mg/kg	J	Fd
Benzo (g,h,i) perylene	0.28		0.041	LOD	0.10	LOQ	mg/kg	J	Fd
BENZO(A)PYRENE	0.41		0.041	LOD	0.10	LOQ	mg/kg	J	Fd
BENZO(B)FLUORANTHENE	1.2		0.041	LOD	0.10	LOQ	mg/kg	J	Fd
BENZO(K)FLUORANTHENE	0.48		0.041	LOD	0.10	LOQ	mg/kg	J	Fd
CARBAZOLE	0.23		0.20	LOD	0.20	LOQ	mg/kg	J	Fd
CHRYSENE	1.2		0.041	LOD	0.10	LOQ	mg/kg	J	Fd
DIBENZO(A,H)ANTHRACENE	0.095	J	0.041	LOD	0.10	LOQ	mg/kg	J	Rl, Fd
DIBENZOFURAN	0.20	U	0.20	LOD	0.20	LOQ	mg/kg	UJ	Fd
FLUORANTHENE	2.4		0.041	LOD	0.10	LOQ	mg/kg	J	Fd
FLUORENE	0.070	J	0.041	LOD	0.10	LOQ	mg/kg	J	Rl, Fd
INDENO(1,2,3-CD)PYRENE	0.31		0.041	LOD	0.10	LOQ	mg/kg	J	Fd
NAPHTHALENE	0.18		0.041	LOD	0.10	LOQ	mg/kg	J	Fd
PHENANTHRENE	0.91		0.041	LOD	0.10	LOQ	mg/kg	J	Fd
PYRENE	1.8		0.041	LOD	0.10	LOQ	mg/kg	J	Fd

Sample ID: CH-SWSD138-SE01 **Collected:** 6/7/2017 10:10:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.16	J	0.18	LOD	0.18	LOQ	mg/kg	J	Rl

Sample ID: CH-SWSD138-SE01-X **Collected:** 6/7/2017 10:10:00 AM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.57		0.55	LOD	0.55	LOQ	mg/kg	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	0.55	U	0.55	LOD	0.55	LOQ	mg/kg	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	1.1	U	1.1	LOD	1.1	LOQ	mg/kg	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD138-SE01-X **Collected:** 6/7/2017 10:10:00 AM **Analysis Type:** Reanalysis-01/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.55	U	0.55	LOD	0.55	LOQ	mg/kg	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	0.55	U	0.55	LOD	0.55	LOQ	mg/kg	NP	StoE, ProfJudg
BENZOIC ACID	8.3	U	8.3	LOD	8.3	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: CH-SWSD138-SE01-X **Collected:** 6/7/2017 10:10:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	0.55	U	0.55	LOD	0.55	LOQ	mg/kg	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.92		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	0.22	U	0.22	LOD	0.54	LOQ	mg/kg	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	1.0		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHENE	2.6		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHYLENE	1.6		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
ANTHRACENE	3.0		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	4.2		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
BENZALDEHYDE	2.2	U	2.2	LOD	2.8	LOQ	mg/kg	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	1.2		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(A)PYRENE	2.6		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	5.5		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	2.7		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	2.2	U	2.2	LOD	2.8	LOQ	mg/kg	NP	StoE, ProfJudg
Butyl benzyl phthalate	2.2	U	2.2	LOD	2.8	LOQ	mg/kg	NP	StoE, ProfJudg
CAPROLACTAM	2.2	U	2.2	LOD	2.8	LOQ	mg/kg	NP	StoE, ProfJudg
CARBAZOLE	1.2		0.55	LOD	0.55	LOQ	mg/kg	NP	StoE, ProfJudg
CHRYSENE	6.3		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.72		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
DIBENZOFURAN	1.6		0.55	LOD	0.55	LOQ	mg/kg	NP	StoE, ProfJudg
DIETHYL PHTHALATE	2.2	U	2.2	LOD	2.8	LOQ	mg/kg	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	2.2	U	2.2	LOD	2.8	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	2.2	U	2.2	LOD	2.8	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	2.2	U	2.2	LOD	2.8	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORANTHENE	12		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD138-SE01-X **Collected:** 6/7/2017 10:10:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORENE	2.0		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	1.3		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
NAPHTHALENE	0.65		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
PHENANTHRENE	4.5		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
PYRENE	9.5		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: CH-SWSD138-SE01-X **Collected:** 6/7/2017 10:10:00 AM **Analysis Type:** Reanalysis-02/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.60		0.55	LOD	0.55	LOQ	mg/kg	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	0.55	U	0.55	LOD	0.55	LOQ	mg/kg	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	1.1	U	1.1	LOD	1.1	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: CH-SWSD138-SE01-X **Collected:** 6/7/2017 10:10:00 AM **Analysis Type:** Reanalysis-02/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.55	U	0.55	LOD	0.55	LOQ	mg/kg	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	0.55	U	0.55	LOD	0.55	LOQ	mg/kg	NP	StoE, ProfJudg
BENZOIC ACID	8.3	U	8.3	LOD	8.3	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: CH-SWSD138-SE01-X **Collected:** 6/7/2017 10:10:00 AM **Analysis Type:** Reanalysis-02/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	0.55	U	0.55	LOD	0.55	LOQ	mg/kg	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.93		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	0.22	U	0.22	LOD	0.54	LOQ	mg/kg	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.91		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHENE	2.4		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHYLENE	1.3		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
ANTHRACENE	2.7		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	4.7		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
BENZALDEHYDE	2.2	U	2.2	LOD	2.8	LOQ	mg/kg	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD138-SE01-X **Collected:** 6/7/2017 10:10:00 AM **Analysis Type:** Reanalysis-02/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Benzo (g,h,i) perylene	1.2		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(A)PYRENE	2.6		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	5.3		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	3.0		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	2.2	U	2.2	LOD	2.8	LOQ	mg/kg	NP	StoE, ProfJudg
Butyl benzyl phthalate	2.2	U	2.2	LOD	2.8	LOQ	mg/kg	NP	StoE, ProfJudg
CAPROLACTAM	2.2	U	2.2	LOD	2.8	LOQ	mg/kg	NP	StoE, ProfJudg
CARBAZOLE	1.0		0.55	LOD	0.55	LOQ	mg/kg	NP	StoE, ProfJudg
CHRYSENE	6.3		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.42		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
DIBENZOFURAN	1.7		0.55	LOD	0.55	LOQ	mg/kg	NP	StoE, ProfJudg
DIETHYL PHTHALATE	2.2	U	2.2	LOD	2.8	LOQ	mg/kg	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	2.2	U	2.2	LOD	2.8	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	2.2	U	2.2	LOD	2.8	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	2.2	U	2.2	LOD	2.8	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORANTHENE	12		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORENE	1.8		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	1.3		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
NAPHTHALENE	0.60		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
PHENANTHRENE	4.5		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
PYRENE	9.6		0.11	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: CH-SWSD139-SE01 **Collected:** 6/7/2017 9:50:00 AM **Analysis Type:** Dilution-01/TOT **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.78	U	0.78	LOD	0.78	LOQ	mg/kg	NP	ProfJudg
2-Methylphenol (o-Cresol)	0.78	U	0.78	LOD	0.78	LOQ	mg/kg	NP	ProfJudg
4-Chloroaniline [p-Chloroaniline]	1.6	U	1.6	LOD	1.6	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD139-SE01 **Collected:** 6/7/2017 9:50:00 AM **Analysis Type:** Dilution-01/TOT-ACID **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.78	U	0.78	LOD	0.78	LOQ	mg/kg	NP	ProfJudg
4-CHLORO-3-METHYLPHENOL	0.78	U	0.78	LOD	0.78	LOQ	mg/kg	NP	ProfJudg
BENZOIC ACID	12	U	12	LOD	12	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD139-SE01 **Collected:** 6/7/2017 9:50:00 AM **Analysis Type:** Dilution-01/TOT-BASE/NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	0.78	U	0.78	LOD	0.78	LOQ	mg/kg	NP	ProfJudg
1-METHYLNAPHTHALENE	0.25	J	0.16	LOD	0.40	LOQ	mg/kg	NP	RI, ProfJudg
2-CHLORONAPHTHALENE	0.31	U	0.31	LOD	0.77	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.29	J	0.16	LOD	0.40	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHENE	0.88		0.16	LOD	0.40	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	1.5		0.16	LOD	0.40	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	1.5		0.16	LOD	0.40	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	3.7		0.16	LOD	0.40	LOQ	mg/kg	NP	ProfJudg
BENZALDEHYDE	3.1	U	3.1	LOD	3.9	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	1.4		0.16	LOD	0.40	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	2.4		0.16	LOD	0.40	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	6.1		0.16	LOD	0.40	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	3.3		0.16	LOD	0.40	LOQ	mg/kg	NP	ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	3.1	U	3.1	LOD	4.0	LOQ	mg/kg	NP	ProfJudg
Butyl benzyl phthalate	3.1	U	3.1	LOD	3.9	LOQ	mg/kg	NP	ProfJudg
CAPROLACTAM	3.1	U	3.1	LOD	3.9	LOQ	mg/kg	NP	ProfJudg
CARBAZOLE	1.4		0.78	LOD	0.78	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	8.0		0.16	LOD	0.40	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.41		0.16	LOD	0.40	LOQ	mg/kg	NP	ProfJudg
DIBENZOFURAN	0.54	J	0.78	LOD	0.78	LOQ	mg/kg	NP	RI, ProfJudg
DIETHYL PHTHALATE	3.1	U	3.1	LOD	3.9	LOQ	mg/kg	NP	ProfJudg
DIMETHYL PHTHALATE	3.1	U	3.1	LOD	3.9	LOQ	mg/kg	NP	ProfJudg
DI-N-BUTYL PHTHALATE	3.1	U	3.1	LOD	3.9	LOQ	mg/kg	NP	ProfJudg
DI-N-OCTYL PHTHALATE	3.1	U	3.1	LOD	3.9	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.88		0.16	LOD	0.40	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix: SEDIMENT**

Sample ID: CH-SWSD139-SE01 **Collected:** 6/7/2017 9:50:00 AM **Analysis Type:** Dilution-01/TOT-BASE/NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
INDENO(1,2,3-CD)PYRENE	1.5		0.16	LOD	0.40	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.29	J	0.16	LOD	0.40	LOQ	mg/kg	NP	Rl, ProfJudg
PHENANTHRENE	13		0.16	LOD	0.40	LOQ	mg/kg	NP	ProfJudg
PYRENE	16		0.16	LOD	0.40	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD139-SE01 **Collected:** 6/7/2017 9:50:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.12	J	0.16	LOD	0.16	LOQ	mg/kg	J	Rl

Sample ID: CH-SWSD139-SE01 **Collected:** 6/7/2017 9:50:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORANTHENE	23	E	0.031	LOD	0.079	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD140-SE01 **Collected:** 6/7/2017 9:35:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.035	J	0.027	LOD	0.068	LOQ	mg/kg	J	Rl
2-METHYLNAPHTHALENE	0.060	J	0.027	LOD	0.068	LOQ	mg/kg	J	Rl
DIBENZOFURAN	0.085	J	0.13	LOD	0.13	LOQ	mg/kg	J	Rl

Method Category: SVOA

Method: 8270D SIM **Matrix: SEDIMENT**

Sample ID: CH-SWSD001-SE01 **Collected:** 6/8/2017 11:45:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.0011	J	0.0027	LOD	0.0033	LOQ	mg/kg	J	Rl
BENZO(G,H,I)PERYLENE	0.0025	J	0.0027	LOD	0.0033	LOQ	mg/kg	J	Rl
INDENO(1,2,3-CD)PYRENE	0.0027	J	0.0027	LOD	0.0033	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD002-SE01** ***Collected:*** **6/8/2017 11:15:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.0020	J	0.0036	LOD	0.0045	LOQ	mg/kg	J	RI
2-METHYLNAPHTHALENE	0.0026	J	0.0036	LOD	0.0045	LOQ	mg/kg	J	RI
ACENAPHTHYLENE	0.0021	J	0.0036	LOD	0.0045	LOQ	mg/kg	J	RI
ANTHRACENE	0.0032	J	0.0036	LOD	0.0045	LOQ	mg/kg	J	RI
DIBENZO(A,H)ANTHRACENE	0.0032	J	0.0036	LOD	0.0045	LOQ	mg/kg	J	RI
NAPHTHALENE	0.0034	J	0.0036	LOD	0.0045	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD002-SE01** ***Collected:*** **6/8/2017 11:15:00 AM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.0019	J	0.0036	LOD	0.0045	LOQ	mg/kg	NP	RI, ProfJudg
2-METHYLNAPHTHALENE	0.0026	J	0.0036	LOD	0.0045	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHENE	0.0036	U	0.0036	LOD	0.0045	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.0026	J	0.0036	LOD	0.0045	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.0037	J	0.0036	LOD	0.0045	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.014		0.0036	LOD	0.0045	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.017		0.0036	LOD	0.0045	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.041		0.0036	LOD	0.0045	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.0053		0.0036	LOD	0.0045	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.069		0.0036	LOD	0.0045	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.026		0.0036	LOD	0.0045	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0027	J	0.0036	LOD	0.0045	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.038		0.0036	LOD	0.0045	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.033		0.0036	LOD	0.0045	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.0062		0.0036	LOD	0.0045	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.0036	J	0.0036	LOD	0.0045	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.023		0.0036	LOD	0.0045	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.053		0.0036	LOD	0.0045	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SEDIMENT

Sample ID: CH-SWSD002-SE01-X **Collected:** 6/8/2017 11:15:00 AM **Analysis Type:** Reanalysis-02/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.031		0.0036	LOD	0.0045	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
2-METHYLNAPHTHALENE	0.061		0.0036	LOD	0.0045	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
ACENAPHTHENE	0.018		0.0036	LOD	0.0045	LOQ	mg/kg	NP	Lcs, Surr, StoE, ProfJudg
ACENAPHTHYLENE	0.0079		0.0036	LOD	0.0045	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
ANTHRACENE	0.018		0.0036	LOD	0.0045	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
BENZ(A)ANTHRACENE	0.017		0.0036	LOD	0.0045	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
BENZO(A)PYRENE	0.021		0.0036	LOD	0.0045	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.058		0.0036	LOD	0.0045	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
BENZO(G,H,I)PERYLENE	0.0078		0.0036	LOD	0.0045	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.15		0.0036	LOD	0.0045	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
CHRYSENE	0.032		0.0036	LOD	0.0045	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0046		0.0036	LOD	0.0045	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
FLUORANTHENE	0.046		0.0036	LOD	0.0045	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
FLUORENE	0.012		0.0036	LOD	0.0045	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.0094		0.0036	LOD	0.0045	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
NAPHTHALENE	0.18		0.0036	LOD	0.0045	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
PHENANTHRENE	0.055		0.0036	LOD	0.0045	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
PYRENE	0.078		0.0036	LOD	0.0045	LOQ	mg/kg	NP	Surr, StoE, ProfJudg

Sample ID: CH-SWSD003-SE01 **Collected:** 6/8/2017 10:45:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.00095	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
BENZ(A)ANTHRACENE	0.00092	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
BENZO(A)PYRENE	0.0010	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
BENZO(B)FLUORANTHENE	0.0014	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
BENZO(K)FLUORANTHENE	0.0012	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SEDIMENT

Sample ID: CH-SWSD003-SE01 **Collected:** 6/8/2017 10:45:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.0013	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
FLUORENE	0.0013	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
PHENANTHRENE	0.0013	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD022-SE01 **Collected:** 6/8/2017 3:00:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0017	J	0.0017	LOD	0.0021	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD022-SE01 **Collected:** 6/8/2017 3:00:00 PM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0017	J	0.0017	LOD	0.0021	LOQ	mg/kg	NP	RI, ProfJudg
2-METHYLNAPHTHALENE	0.0023		0.0017	LOD	0.0021	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.0049		0.0017	LOD	0.0021	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.020		0.0017	LOD	0.0021	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.033		0.0017	LOD	0.0021	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.084		0.0017	LOD	0.0021	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.061		0.0017	LOD	0.0021	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.22		0.0017	LOD	0.0021	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.016		0.0017	LOD	0.0021	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.10		0.0017	LOD	0.0021	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.13		0.0017	LOD	0.0021	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0070		0.0017	LOD	0.0021	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.32		0.0017	LOD	0.0021	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.0044		0.0017	LOD	0.0021	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.021		0.0017	LOD	0.0021	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.0043		0.0017	LOD	0.0021	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.12		0.0017	LOD	0.0021	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.36		0.0017	LOD	0.0021	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD099-SE01** ***Collected:*** **6/7/2017 5:00:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.14		0.0020	LOD	0.0025	LOQ	mg/kg	J-	Ms
2-METHYLNAPHTHALENE	0.21		0.0020	LOD	0.0025	LOQ	mg/kg	J-	Ms
ANTHRACENE	0.013		0.0020	LOD	0.0025	LOQ	mg/kg	J-	Ms
BENZ(A)ANTHRACENE	0.031		0.0020	LOD	0.0025	LOQ	mg/kg	J	Ms, Ms
BENZO(A)PYRENE	0.030		0.0020	LOD	0.0025	LOQ	mg/kg	J	Ms, Ms
BENZO(B)FLUORANTHENE	0.066		0.0020	LOD	0.0025	LOQ	mg/kg	J-	Ms
BENZO(G,H,I)PERYLENE	0.0089		0.0020	LOD	0.0025	LOQ	mg/kg	J-	Ms
BENZO(K)FLUORANTHENE	0.037		0.0020	LOD	0.0025	LOQ	mg/kg	J-	Ms
CHRYSENE	0.047		0.0020	LOD	0.0025	LOQ	mg/kg	J-	Ms
DIBENZO(A,H)ANTHRACENE	0.0037		0.0020	LOD	0.0025	LOQ	mg/kg	J-	Ms
FLUORANTHENE	0.057		0.0020	LOD	0.0025	LOQ	mg/kg	J-	Ms
FLUORENE	0.026		0.0020	LOD	0.0025	LOQ	mg/kg	J-	Ms
INDENO(1,2,3-CD)PYRENE	0.010		0.0020	LOD	0.0025	LOQ	mg/kg	J-	Ms
NAPHTHALENE	0.14		0.0020	LOD	0.0025	LOQ	mg/kg	J-	Ms
PHENANTHRENE	0.087		0.0020	LOD	0.0025	LOQ	mg/kg	J	Ms, Ms
PYRENE	0.090		0.0020	LOD	0.0025	LOQ	mg/kg	J-	Ms

Sample ID: **CH-SWSD115-SE01** ***Collected:*** **6/6/2017 3:45:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
PYRENE	0.00064	J	0.0016	LOD	0.0021	LOQ	mg/kg	J	Rl, Fd

Sample ID: **CH-SWSD115-SE01D** ***Collected:*** **6/6/2017 3:45:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
PYRENE	0.00043	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	Rl, Fd

Sample ID: **CH-SWSD116-SE01** ***Collected:*** **6/7/2017 8:50:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0012	J	0.0020	LOD	0.0025	LOQ	mg/kg	J	Rl
2-METHYLNAPHTHALENE	0.0023	J	0.0020	LOD	0.0025	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SEDIMENT

Sample ID: CH-SWSD117-SE01 **Collected:** 6/7/2017 8:35:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.00058	J	0.0020	LOD	0.0025	LOQ	mg/kg	J	RI
ANTHRACENE	0.00099	J	0.0020	LOD	0.0025	LOQ	mg/kg	J	RI
BENZO(G,H,I)PERYLENE	0.0022	J	0.0020	LOD	0.0025	LOQ	mg/kg	J	RI
FLUORENE	0.0018	J	0.0020	LOD	0.0025	LOQ	mg/kg	J	RI
NAPHTHALENE	0.0020	J	0.0020	LOD	0.0025	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD118-SE01 **Collected:** 6/7/2017 8:25:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.0023	J	0.0027	LOD	0.0034	LOQ	mg/kg	J	RI
BENZO(G,H,I)PERYLENE	0.0033	J	0.0027	LOD	0.0034	LOQ	mg/kg	J	RI
DIBENZO(A,H)ANTHRACENE	0.0021	J	0.0027	LOD	0.0034	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD119-SE01 **Collected:** 6/6/2017 4:05:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.00098	J	0.0016	LOD	0.0019	LOQ	mg/kg	J	RI
CHRYSENE	0.00044	J	0.0016	LOD	0.0019	LOQ	mg/kg	J	RI
PYRENE	0.00058	J	0.0016	LOD	0.0019	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD120-SE01 **Collected:** 6/6/2017 4:20:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DIBENZO(A,H)ANTHRACENE	0.0017	J	0.0022	LOD	0.0027	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD121-SE01 **Collected:** 6/6/2017 4:30:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.0036	J	0.0033	LOD	0.0041	LOQ	mg/kg	J	RI
BENZO(G,H,I)PERYLENE	0.0024	J	0.0033	LOD	0.0041	LOQ	mg/kg	J	RI
INDENO(1,2,3-CD)PYRENE	0.0031	J	0.0033	LOD	0.0041	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SEDIMENT

Sample ID: CH-SWSD122-SE01 **Collected:** 6/6/2017 4:35:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.0013	J	0.0021	LOD	0.0026	LOQ	mg/kg	J	RI
BENZ(A)ANTHRACENE	0.0012	J	0.0021	LOD	0.0026	LOQ	mg/kg	J	RI
BENZO(A)PYRENE	0.0016	J	0.0021	LOD	0.0026	LOQ	mg/kg	J	RI
CHRYSENE	0.0022	J	0.0021	LOD	0.0026	LOQ	mg/kg	J	RI
NAPHTHALENE	0.0025	J	0.0021	LOD	0.0026	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD123-SE01 **Collected:** 6/6/2017 4:45:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.0024	J	0.0021	LOD	0.0027	LOQ	mg/kg	J	RI
BENZO(A)PYRENE	0.0018	J	0.0021	LOD	0.0027	LOQ	mg/kg	J	RI
CHRYSENE	0.0016	J	0.0021	LOD	0.0027	LOQ	mg/kg	J	RI
FLUORANTHENE	0.0024	J	0.0021	LOD	0.0027	LOQ	mg/kg	J	RI
INDENO(1,2,3-CD)PYRENE	0.0011	J	0.0021	LOD	0.0027	LOQ	mg/kg	J	RI
NAPHTHALENE	0.0017	J	0.0021	LOD	0.0027	LOQ	mg/kg	J	RI
PYRENE	0.0022	J	0.0021	LOD	0.0027	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD124-SE01 **Collected:** 6/6/2017 4:50:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.0010	J	0.0018	LOD	0.0023	LOQ	mg/kg	J	RI
BENZO(A)PYRENE	0.0011	J	0.0018	LOD	0.0023	LOQ	mg/kg	J	RI
CHRYSENE	0.0013	J	0.0018	LOD	0.0023	LOQ	mg/kg	J	RI
FLUORANTHENE	0.0014	J	0.0018	LOD	0.0023	LOQ	mg/kg	J	RI
PHENANTHRENE	0.0013	J	0.0018	LOD	0.0023	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD125-SE01 **Collected:** 6/6/2017 5:10:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.0011	J	0.0017	LOD	0.0021	LOQ	mg/kg	J	RI
BENZO(G,H,I)PERYLENE	0.0017	U	0.0017	LOD	0.0021	LOQ	mg/kg	UJ	Ms
BENZO(K)FLUORANTHENE	0.00098	J	0.0017	LOD	0.0021	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD125-SE01** ***Collected:*** **6/6/2017 5:10:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
FLUORENE	0.0014	J	0.0017	LOD	0.0021	LOQ	mg/kg	J	RI
PYRENE	0.00085	J	0.0017	LOD	0.0021	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Reason Code Legend

Reason Code	*Description*
Fd	Field Duplicate Precision
Lcs	Laboratory Control Spike Upper Estimation
Ld	Laboratory Duplicate Precision
Mb	Method Blank Contamination
Ms	Matrix Spike Lower Estimation
Ms	Matrix Spike Precision
Ms	Matrix Spike Upper Estimation
ProfJudg	Professional Judgment
Rl	Reporting Limit Trace Value
StoE	Sampling to Extraction Estimation
StoE	Sampling to Extraction Rejection
Surr	Surrogate/Tracer Recovery Lower Estimation

* denotes a non-reportable result

QC Outlier Report: HoldingTimes

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 7199 **Preparation Method: SW3060A**

Matrix: SEDIMENT

Sample ID	Type	Actual	Criteria	Units	Flag
CH-SWSD028-SE01DUP (Initial/TO	Extraction To Analysis	23.00	7.00	DAYS	J- (all detects) R (all non-detects)

Method: 8270D **Preparation Method: SW3060A**

Matrix: SEDIMENT

Sample ID	Type	Actual	Criteria	Units	Flag
CH-SWSD096-SE01-X (Reanalysis-(	Sampling To Extraction	18.00	14.00	DAYS	J-(all detects)
CH-SWSD126-SE01D-X (Reanalysis		19.00	14.00	DAYS	UJ(all non-detects)
CH-SWSD126-SE01-X (Reanalysis-(		19.00	14.00	DAYS	
CH-SWSD127-SE01-X (Reanalysis-(		19.00	14.00	DAYS	
CH-SWSD128-SE01-X (Reanalysis-(		19.00	14.00	DAYS	
CH-SWSD129-SE01-X (Reanalysis-(		19.00	14.00	DAYS	
CH-SWSD131-SE01-X (Reanalysis-(		19.00	14.00	DAYS	
CH-SWSD131-SE01-XMS (Reanaly		19.00	14.00	DAYS	
CH-SWSD131-SE01-XMSD (Reanal		19.00	14.00	DAYS	
CH-SWSD133-SE01-X (Reanalysis-(		19.00	14.00	DAYS	
CH-SWSD135-SE01-X (Reanalysis-(		19.00	14.00	DAYS	
CH-SWSD138-SE01-X (Reanalysis-(		19.00	14.00	DAYS	
CH-SWSD138-SE01-X (Reanalysis-(		19.00	14.00	DAYS	

Method: 8270D SIM **Preparation Method: SW3060A**

Matrix: SEDIMENT

Sample ID	Type	Actual	Criteria	Units	Flag
CH-SWSD002-SE01-X (Reanalysis-(	Sampling To Extraction	40.00	14.00	DAYS	J-(all detects) R(all non-detects)

Surrogate Outlier Report

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D**
Matrix: **SEDIMENT**

Sample ID (Analysis Type)	Surrogate	Sample % Recovery	% Recovery Limits	Affected Compounds	Flag
CH-SWSD096-SE01 (Initial/TOT)	2,4,6-TRIBROMOPHENOL 2-FLUOROBIPHENYL Nitrobenzene-d5 Terphenyl-d14	36 42 34 37	39.00-132.00 44.00-115.00 37.00-122.00 54.00-127.00	All Base/Neutral Target Analytes	J-(all detects) UJ(all non-detects)
CH-SWSD126-SE01 (Initial/TOT)	2,4,6-TRIBROMOPHENOL 2-FLUOROBIPHENYL 2-FLUOROPHENOL Nitrobenzene-d5 PHENOL-D6 Terphenyl-d14	13 14 14 14 14 13	39.00-132.00 44.00-115.00 35.00-115.00 37.00-122.00 33.00-122.00 54.00-127.00	All Target Analytes	J-(all detects) UJ(all non-detects)
CH-SWSD126-SE01D (Initial/TOT)	2,4,6-TRIBROMOPHENOL 2-FLUOROBIPHENYL 2-FLUOROPHENOL Nitrobenzene-d5 PHENOL-D6 Terphenyl-d14	20 25 23 22 22 22	39.00-132.00 44.00-115.00 35.00-115.00 37.00-122.00 33.00-122.00 54.00-127.00	All Target Analytes	J-(all detects) UJ(all non-detects)
CH-SWSD126-SE01-X (Reanalysis-01/ TOT)	2,4,6-TRIBROMOPHENOL 2-FLUOROBIPHENYL 2-FLUOROPHENOL Nitrobenzene-d5 PHENOL-D6 Terphenyl-d14	22 22 20 20 19 21	39.00-132.00 44.00-115.00 35.00-115.00 37.00-122.00 33.00-122.00 54.00-127.00	All Target Analytes	J-(all detects) UJ(all non-detects)
CH-SWSD127-SE01 (Initial/TOT)	2,4,6-TRIBROMOPHENOL 2-FLUOROBIPHENYL 2-FLUOROPHENOL Nitrobenzene-d5 PHENOL-D6 Terphenyl-d14	29 32 30 29 28 29	39.00-132.00 44.00-115.00 35.00-115.00 37.00-122.00 33.00-122.00 54.00-127.00	All Target Analytes	J-(all detects) UJ(all non-detects)
CH-SWSD127-SE01-X (Reanalysis-01/ TOT)	Terphenyl-d14	44	54.00-127.00	No Affected Compounds	
CH-SWSD128-SE01 (Initial/TOT)	2,4,6-TRIBROMOPHENOL 2-FLUOROBIPHENYL 2-FLUOROPHENOL Nitrobenzene-d5 PHENOL-D6 Terphenyl-d14	26 30 28 27 26 26	39.00-132.00 44.00-115.00 35.00-115.00 37.00-122.00 33.00-122.00 54.00-127.00	All Target Analytes	J-(all detects) UJ(all non-detects)
CH-SWSD128-SE01-X (Reanalysis-01/ TOT)	2,4,6-TRIBROMOPHENOL 2-FLUOROBIPHENYL 2-FLUOROPHENOL Nitrobenzene-d5 PHENOL-D6 Terphenyl-d14	24 23 21 22 21 22	39.00-132.00 44.00-115.00 35.00-115.00 37.00-122.00 33.00-122.00 54.00-127.00	All Target Analytes	J-(all detects) UJ(all non-detects)
CH-SWSD129-SE01 (Initial/TOT)	Terphenyl-d14	45	54.00-127.00	No Affected Compounds	
CH-SWSD129-SE01-X (Reanalysis-01/ TOT)	2,4,6-TRIBROMOPHENOL 2-FLUOROBIPHENYL 2-FLUOROPHENOL Nitrobenzene-d5 PHENOL-D6 Terphenyl-d14	15 15 14 14 14 15	39.00-132.00 44.00-115.00 35.00-115.00 37.00-122.00 33.00-122.00 54.00-127.00	All Target Analytes	J-(all detects) UJ(all non-detects)

Surrogate Outlier Report

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D**
Matrix: **SEDIMENT**

Sample ID (Analysis Type)	Surrogate	Sample % Recovery	% Recovery Limits	Affected Compounds	Flag
CH-SWSD131-SE01-X (Reanalysis-01/ TOT)	Terphenyl-d14	49	54.00-127.00	No Affected Compounds	
CH-SWSD133-SE01 (Initial/TOT)	Terphenyl-d14	46	54.00-127.00	No Affected Compounds	
CH-SWSD135-SE01 (Initial/TOT)	2,4,6-TRIBROMOPHENOL Terphenyl-d14	38 43	39.00-132.00 54.00-127.00	No Affected Compounds	
CH-SWSD135-SE01-X (Reanalysis-01/ TOT)	2,4,6-TRIBROMOPHENOL 2-FLUOROBIPHENYL 2-FLUOROPHENOL Nitrobenzene-d5 PHENOL-D6 Terphenyl-d14	19 18 16 16 0 18	39.00-132.00 44.00-115.00 35.00-115.00 37.00-122.00 33.00-122.00 54.00-127.00	All Target Analytes	J-(all detects) UJ(all non-detects)
CH-SWSD138-SE01 (Initial/TOT)	Terphenyl-d14	52	54.00-127.00	No Affected Compounds	

Method: **8270D SIM**
Matrix: **SEDIMENT**

Sample ID (Analysis Type)	Surrogate	Sample % Recovery	% Recovery Limits	Affected Compounds	Flag
CH-SWSD002-SE01 (Reanalysis-01/ TOT)	Fluoranthene-d10	55	56.00-142.00	No Affected Compounds	
CH-SWSD002-SE01 (Initial/TOT)	Fluoranthene-d10	51	56.00-142.00	No Affected Compounds	
CH-SWSD002-SE01-X (Reanalysis-02/ TOT)	1-Methylnaphthalene-d10 BENZO (A) PYRENE-D12 Fluoranthene-d10	51 51 38	52.00-110.00 53.00-137.00 56.00-142.00	All Base/Neutral Target Analytes	J-(all detects) UJ(all non-detects)

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SEDIMENT

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-SWSD125-SE01MS (Total) CH-SWSD125-SE01MSD (Total) (CH-SWSD125-SE01)	ANTIMONY ARSENIC	65 81	67 -	72.00-124.00 82.00-118.00	- -	ANTIMONY ARSENIC	J- (all detects) UJ (all non-detects)
CH-SWSD125-SE01MS (Total) CH-SWSD125-SE01MSD (Total) (CH-SWSD125-SE01)	ALUMINUM BARIUM CALCIUM CHROMIUM IRON LEAD MAGNESIUM MANGANESE VANADIUM ZINC	692 197 - 127 650 125 171 286 133 201	671 159 135 121 524 129 148 296 139 205	78.00-124.00 86.00-116.00 86.00-118.00 83.00-119.00 81.00-124.00 84.00-118.00 80.00-123.00 85.00-116.00 82.00-116.00 82.00-119.00	- - - - - - - - - -	ALUMINUM BARIUM CALCIUM CHROMIUM IRON LEAD MAGNESIUM MANGANESE VANADIUM ZINC	J+(all detects)
CH-SWSD131-SE01MS (Total) CH-SWSD131-SE01MSD (Total) (CH-SWSD131-SE01)	ALUMINUM BARIUM CALCIUM COPPER IRON LEAD VANADIUM ZINC	138 117 - - 128 - - 209	173 129 119 120 129 120 118 215	78.00-124.00 86.00-116.00 86.00-118.00 84.00-119.00 81.00-124.00 84.00-118.00 82.00-116.00 82.00-119.00	- - - - - - - -	ALUMINUM BARIUM CALCIUM COPPER IRON LEAD VANADIUM ZINC	J+(all detects)
CH-SWSD099-SE01MS (Total) CH-SWSD099-SE01MSD (Total) (CH-SWSD099-SE01)	ALUMINUM ARSENIC CHROMIUM LEAD MAGNESIUM MANGANESE NICKEL POTASSIUM VANADIUM	1512 123 173 155 356 430 145 142 203	3629 18 286 56 974 1150 217 202 441	78.00-124.00 82.00-118.00 83.00-119.00 84.00-118.00 80.00-123.00 85.00-116.00 84.00-119.00 85.00-119.00 82.00-116.00	33 (20.00) 25 (20.00) 24 (20.00) - 39 (20.00) 37 (20.00) 22 (20.00) 21 (20.00) 35 (20.00)	ALUMINUM ARSENIC CHROMIUM LEAD MAGNESIUM MANGANESE NICKEL POTASSIUM VANADIUM	J(all detects) UJ(all non-detects)
CH-SWSD099-SE01MS (Total) CH-SWSD099-SE01MSD (Total) (CH-SWSD099-SE01)	ANTIMONY SELENIUM	49 -	51 74	72.00-124.00 80.00-119.00	- -	ANTIMONY SELENIUM	J-(all detects) UJ(all non-detects)
CH-SWSD099-SE01MS (Total) CH-SWSD099-SE01MSD (Total) (CH-SWSD099-SE01)	BARIUM BERYLLIUM CALCIUM IRON THALLIUM ZINC	337 - - 3078 - 214	522 127 122 5615 137 247	86.00-116.00 80.00-120.00 86.00-118.00 81.00-124.00 83.00-118.00 82.00-119.00	- - - - - -	BARIUM BERYLLIUM CALCIUM IRON THALLIUM ZINC	J+(all detects)

Method: 8270D
Matrix: SEDIMENT

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-SWSD125-SE01MS CH-SWSD125-SE01MSD (CH-SWSD125-SE01)	2-CHLORONAPHTHALENE	119	-	41.00-114.00	23 (20.00)	2-CHLORONAPHTHALENE	J(all detects)

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D
Matrix: SEDIMENT

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-SWSD131-SE01MS CH-SWSD131-SE01MSD (CH-SWSD131-SE01)	1,1-BIPHENYL 1,4-DICHLOROBENZENE 1-METHYLNAPHTHALENE 2-CHLORONAPHTHALENE 2-METHYLNAPHTHALENE 2-Methylphenol (o-Cresol) 3/4-Methylphenol [m/p-Cresol] 4-CHLORO-3-METHYLPHENOL ACENAPHTHENE ACENAPHTHYLENE ANTHRACENE Benzo (g,h,i) perylene BENZO(A)PYRENE BENZO(B)FLUORANTHENE BENZO(K)FLUORANTHENE CAPROLACTAM CARBAZOLE CHRYSENE DIBENZO(A,H)ANTHRACENE DIBENZOFURAN FLUORENE INDENO(1,2,3-CD)PYRENE NAPHTHALENE PHENANTHRENE PYRENE	0 0 1 1 1 1 1 0 1 0 0 -1 0 -5 0 0 0 -3 1 1 1 0 1 -1 -2	2 1 1 2 1 2 2 1 2 3 4 4 5 8 6 3 2 10 2 2 2 4 2 2 9	40.00-117.00 31.00-115.00 40.00-119.00 41.00-114.00 38.00-122.00 32.00-122.00 42.00-126.00 45.00-122.00 40.00-123.00 32.00-132.00 47.00-123.00 43.00-134.00 45.00-129.00 45.00-132.00 47.00-132.00 46.00-117.00 50.00-123.00 50.00-124.00 45.00-134.00 44.00-120.00 43.00-125.00 45.00-133.00 35.00-123.00 50.00-121.00 47.00-127.00	200 (20.00) 200 (20.00) 47 (20.00) 88 (20.00) 42 (20.00) 48 (20.00) 40 (20.00) 200 (20.00) 48 (20.00) 28 (20.00) 29 (20.00) 42 (20.00) 32 (20.00) 28 (20.00) 28 (20.00) 200 (20.00) 31 (20.00) 31 (20.00) 23 (20.00) 49 (20.00) 35 (20.00) 39 (20.00) 40 (20.00) 30 (20.00) 23 (20.00)	1,1-BIPHENYL 1,4-DICHLOROBENZENE 1-METHYLNAPHTHALENE 2-CHLORONAPHTHALENE 2-METHYLNAPHTHALENE 2-Methylphenol (o-Cresol) 3/4-Methylphenol [m/p-Cresol] 4-CHLORO-3-METHYLPHENOL ACENAPHTHENE ACENAPHTHYLENE ANTHRACENE Benzo (g,h,i) perylene BENZO(A)PYRENE BENZO(B)FLUORANTHENE BENZO(K)FLUORANTHENE CAPROLACTAM CARBAZOLE CHRYSENE DIBENZO(A,H)ANTHRACENE DIBENZOFURAN FLUORENE INDENO(1,2,3-CD)PYRENE NAPHTHALENE PHENANTHRENE PYRENE	J(all detects) UJ(all non-detects)
CH-SWSD131-SE01MS CH-SWSD131-SE01MSD (CH-SWSD131-SE01)	4-Chloroaniline [p-Chloroaniline] BENZ(A)ANTHRACENE BENZALDEHYDE BENZOIC ACID BIS(2-ETHYLHEXYL) PHTHALATE Butyl benzyl phthalate DIETHYL PHTHALATE DIMETHYL PHTHALATE DI-N-BUTYL PHTHALATE DI-N-OCTYL PHTHALATE FLUORANTHENE	0 2 0 5 0 0 0 0 0 0 -1	0 6 0 6 0 0 0 0 0 0 10	17.00-106.00 49.00-126.00 10.00-93.00 16.00-125.00 51.00-133.00 48.00-132.00 50.00-124.00 48.00-124.00 51.00-128.00 45.00-140.00 50.00-127.00	- - - - - - - - - - -	4-Chloroaniline [p-Chloroaniline] BENZ(A)ANTHRACENE BENZALDEHYDE BENZOIC ACID BIS(2-ETHYLHEXYL) PHTHALATI Butyl benzyl phthalate DIETHYL PHTHALATE DIMETHYL PHTHALATE DI-N-BUTYL PHTHALATE DI-N-OCTYL PHTHALATE FLUORANTHENE	J-(all detects) UJ(all non-detects)
CH-SWSD099-SE01MSD (CH-SWSD099-SE01)	2-CHLORONAPHTHALENE BENZOIC ACID	- -	- -	41.00-114.00 16.00-125.00	35 (20.00) 39 (30.00)	2-CHLORONAPHTHALENE BENZOIC ACID	J(all detects)
CH-SWSD099-SE01MS CH-SWSD099-SE01MSD (CH-SWSD099-SE01)	4-Chloroaniline [p-Chloroaniline]	4	-	17.00-106.00	145 (20.00)	4-Chloroaniline [p-Chloroaniline]	J(all detects) UJ(all non-detects)

Method: 8082A
Matrix: SEDIMENT

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-SWSD131-SE01MSD (CH-SWSD131-SE01)	AROCLOR 1260	-	-	53.00-140.00	32 (30.00)	AROCLOR 1260	J(all detects)

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SEDIMENT

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-SWSD020-SE01MS (Total) (CH-SWSD020-SE01)	MAGNESIUM	77	-	80.00-123.00	-	MAGNESIUM	J-(all detects) UJ(all non-detects)
CH-SWSD020-SE01MS (Total) CH-SWSD020-SE01MSD (Total) (CH-SWSD020-SE01)	ALUMINUM BARIUM CALCIUM MANGANESE ZINC	- - - 127 187	196 125 121 151 195	78.00-124.00 86.00-116.00 86.00-118.00 85.00-116.00 82.00-119.00	- - - - -	ALUMINUM BARIUM CALCIUM MANGANESE ZINC	J+(all detects)

Method: 8270D
Matrix: SEDIMENT

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-SWSD020-SE01MS (CH-SWSD020-SE01)	FLUORANTHENE PYRENE	143 139	- -	50.00-127.00 47.00-127.00	- -	FLUORANTHENE PYRENE	J+(all detects)

Method: 7199
Matrix: SEDIMENT

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-SWSD020-SE01MS (Total) CH-SWSD020-SE01MSD (Total) (CH-SWSD020-SE01)	Hexavalent Chromium [Cr (VI)]	15	37	84.00-110.00	85 (20.00)	Hexavalent Chromium [Cr (VI)]	J(all detects) UJ(all non-detects)
CH-SWSD028-SE01MS (Total) (CH-SWSD028-SE01)	Hexavalent Chromium [Cr (VI)]	26	-	84.00-110.00	-	Hexavalent Chromium [Cr (VI)]	J-(all detects) UJ(all non-detects)

Method: 8270D
Matrix: SEDIMENT

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-SWSD131-SE01-XMSD (CH-SWSD131-SE01-X)	1,1-BIPHENYL 1,4-DICHLOROBENZENE 1-METHYLNAPHTHALENE 2-METHYLNAPHTHALENE 2-Methylphenol (o-Cresol) ACENAPHTHENE ACENAPHTHYLENE BENZALDEHYDE BENZOIC ACID NAPHTHALENE	- - - - - - - - - -	- - - - - - - - - -	40.00-117.00 31.00-115.00 40.00-119.00 38.00-122.00 32.00-122.00 40.00-123.00 32.00-132.00 10.00-93.00 16.00-125.00 35.00-123.00	37 (20.00) 34 (20.00) 35 (20.00) 35 (20.00) 37 (20.00) 37 (20.00) 33 (20.00) 35 (30.00) 38 (30.00) 35 (20.00)	1,1-BIPHENYL 1,4-DICHLOROBENZENE 1-METHYLNAPHTHALENE 2-METHYLNAPHTHALENE 2-Methylphenol (o-Cresol) ACENAPHTHENE ACENAPHTHYLENE BENZALDEHYDE BENZOIC ACID NAPHTHALENE	J(all detects)

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D
Matrix: SEDIMENT

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-SWSD131-SE01-XMSD (CH-SWSD131-SE01-X)	2-CHLORONAPHTHALENE	-	37	41.00-114.00	41 (20.00)	2-CHLORONAPHTHALENE	J(all detects) UJ(all non-detects)
	3/4-Methylphenol [m/p-Cresol]	-	34	42.00-126.00	36 (20.00)	3/4-Methylphenol [m/p-Cresol]	
	4-CHLORO-3-METHYLPHENOL	-	37	45.00-122.00	37 (20.00)	4-CHLORO-3-METHYLPHENOL	
	ANTHRACENE	-	41	47.00-123.00	29 (20.00)	ANTHRACENE	
	BENZ(A)ANTHRACENE	-	36	49.00-126.00	30 (20.00)	BENZ(A)ANTHRACENE	
	Benzo (g,h,i) perylene	-	32	43.00-134.00	33 (20.00)	Benzo (g,h,i) perylene	
	BENZO(A)PYRENE	-	32	45.00-129.00	32 (20.00)	BENZO(A)PYRENE	
	BENZO(B)FLUORANTHENE	-	24	45.00-132.00	33 (20.00)	BENZO(B)FLUORANTHENE	
	BENZO(K)FLUORANTHENE	-	41	47.00-132.00	26 (20.00)	BENZO(K)FLUORANTHENE	
	BIS(2-ETHYLHEXYL) PHTHALATE	-	39	51.00-133.00	34 (20.00)	BIS(2-ETHYLHEXYL) PHTHALATI	
	Butyl benzyl phthalate	-	39	48.00-132.00	34 (20.00)	Butyl benzyl phthalate	
	CAPROLACTAM	-	32	46.00-117.00	37 (20.00)	CAPROLACTAM	
	CARBAZOLE	-	37	50.00-123.00	32 (20.00)	CARBAZOLE	
	CHRYSENE	-	36	50.00-124.00	21 (20.00)	CHRYSENE	
	DIBENZO(A,H)ANTHRACENE	-	38	45.00-134.00	34 (20.00)	DIBENZO(A,H)ANTHRACENE	
	DIBENZOFURAN	-	42	44.00-120.00	34 (20.00)	DIBENZOFURAN	
	DIETHYL PHTHALATE	-	39	50.00-124.00	36 (20.00)	DIETHYL PHTHALATE	
	DIMETHYL PHTHALATE	-	40	48.00-124.00	36 (20.00)	DIMETHYL PHTHALATE	
	DI-N-BUTYL PHTHALATE	-	38	51.00-128.00	37 (20.00)	DI-N-BUTYL PHTHALATE	
	DI-N-OCTYL PHTHALATE	-	39	45.00-140.00	36 (20.00)	DI-N-OCTYL PHTHALATE	
	FLUORENE	-	41	43.00-125.00	34 (20.00)	FLUORENE	
	INDENO(1,2,3-CD)PYRENE	-	34	45.00-133.00	33 (20.00)	INDENO(1,2,3-CD)PYRENE	
	PHENANTHRENE	-	39	50.00-121.00	29 (20.00)	PHENANTHRENE	
	PYRENE	-	35	47.00-127.00	22 (20.00)	PYRENE	
CH-SWSD131-SE01-XMS CH-SWSD131-SE01-XMSD (CH-SWSD131-SE01-X)	4-Chloroaniline [p-Chloroaniline]	0	0	17.00-106.00	-	4-Chloroaniline [p-Chloroaniline]	J-(all detects) UJ(all non-detects)
	FLUORANTHENE	49	33	50.00-127.00	-	FLUORANTHENE	

Method: 9060A
Matrix: SEDIMENT

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-SWSD125-SE01MSD (CH-SWSD125-SE01)	TOTAL ORGANIC CARBON (TOC)	-	-	47.00-143.00	9 (7.00)	TOTAL ORGANIC CARBON (TOC	J(all detects) UJ(all non-detects)
CH-SWSD131-SE01MSD (CH-SWSD131-SE01)	TOTAL ORGANIC CARBON (TOC)	-	-	47.00-143.00	12 (7.00)	TOTAL ORGANIC CARBON (TOC	J(all detects) UJ(all non-detects)

Method: 8270D SIM
Matrix: SEDIMENT

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-SWSD099-SE01MS CH-SWSD099-SE01MSD (CH-SWSD099-SE01)	BENZ(A)ANTHRACENE	25	47	54.00-122.00	21 (20.00)	BENZ(A)ANTHRACENE	J(all detects) UJ(all non-detects)
	BENZO(A)PYRENE	26	46	50.00-125.00	21 (20.00)	BENZO(A)PYRENE	
	PHENANTHRENE	-11	39	49.00-113.00	27 (20.00)	PHENANTHRENE	

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**
Matrix: **SEDIMENT**

QC Sample ID (Associated Samples)	*Compound*	*MS %R*	*MSD %R*	*%R Limits*	*RPD (Limits)*	*Affected Compounds*	*Flag*
CH-SWSD099-SE01MS CH-SWSD099-SE01MSD (CH-SWSD099-SE01)	1-METHYLNAPHTHALENE	-62	-27	43.00-111.00	-	1-METHYLNAPHTHALENE	J-(all detects) UJ(all non-detects)
	2-METHYLNAPHTHALENE	-107	-116	39.00-114.00	-	2-METHYLNAPHTHALENE	
	ANTHRACENE	44	-	50.00-114.00	-	ANTHRACENE	
	BENZO(B)FLUORANTHENE	8	23	53.00-128.00	-	BENZO(B)FLUORANTHENE	
	BENZO(G,H,I)PERYLENE	18	23	49.00-127.00	-	BENZO(G,H,I)PERYLENE	
	BENZO(K)FLUORANTHENE	34	53	56.00-123.00	-	BENZO(K)FLUORANTHENE	
	CHRYSENE	33	40	57.00-118.00	-	CHRYSENE	
	DIBENZO(A,H)ANTHRACENE	30	36	50.00-129.00	-	DIBENZO(A,H)ANTHRACENE	
	FLUORANTHENE	50	28	55.00-119.00	-	FLUORANTHENE	
	FLUORENE	36	-	47.00-114.00	-	FLUORENE	
	INDENO(1,2,3-CD)PYRENE	23	30	49.00-130.00	-	INDENO(1,2,3-CD)PYRENE	
	NAPHTHALENE	-58	-83	38.00-111.00	-	NAPHTHALENE	
	PYRENE	51	20	55.00-117.00	-	PYRENE	
CH-SWSD125-SE01MSD (CH-SWSD125-SE01)	BENZO(G,H,I)PERYLENE	-	48	49.00-127.00	-	BENZO(G,H,I)PERYLENE	J-(all detects) UJ(all non-detects)

Lab Duplicate Outlier Report

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 9060A
Matrix: SEDIMENT

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
CH-SWSD020-SE01DUP (CH-SWSD020-SE01)	TOTAL ORGANIC CARBON (TOC)	75	30.00	J (all detects) UJ (all non-detects)

Method: 6020A
Matrix: SEDIMENT

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
CH-SWSD020-SE01DUP (Total) (CH-SWSD020-SE01)	ALUMINUM	38	20.00	
	ARSENIC	28	20.00	
	BARIUM	31	20.00	
	BERYLLIUM	51	20.00	
	CADMIUM	200	20.00	
	CALCIUM	50	20.00	
	CHROMIUM	43	20.00	
	COBALT	62	20.00	
	COPPER	73	20.00	
	IRON	38	20.00	J(all detects)
	LEAD	51	20.00	UJ(all non-detects)
	MAGNESIUM	50	20.00	
	MANGANESE	33	20.00	
	NICKEL	56	20.00	
	POTASSIUM	23	20.00	
	SELENIUM	28	20.00	
	SODIUM	37	20.00	
	THALLIUM	200	20.00	
	VANADIUM	39	20.00	
	ZINC	76	20.00	

Method: 7471B
Matrix: SEDIMENT

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
CH-SWSD020-SE01DUP (Total) (CH-SWSD020-SE01)	MERCURY	200	20.00	J(all detects) UJ(all non-detects)

Method: 7199
Matrix: SEDIMENT

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
CH-SWSD028-SE01DUP (Total) (CH-SWSD028-SE01)	Hexavalent Chromium [Cr (VI)]	200	20.00	J(all detects) UJ(all non-detects)

Lab Duplicate Outlier Report

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SEDIMENT

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
CH-SWSD099-SE01DUP (Total) (CH-SWSD099-SE01)	SILVER	24	20.00	J(all detects) UJ(all non-detects)
CH-SWSD125-SE01DUP (Total) (CH-SWSD125-SE01)	ARSENIC BERYLLIUM	29 23	20.00 20.00	J(all detects) UJ(all non-detects)
CH-SWSD131-SE01DUP (Total) (CH-SWSD131-SE01)	BERYLLIUM CHROMIUM COBALT SILVER	26 21 32 200	20.00 20.00 20.00 20.00	J(all detects) UJ(all non-detects)

Method: 9060A
Matrix: SEDIMENT

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
CH-SWSD118-SE01DUP (CH-SWSD118-SE01)	TOTAL ORGANIC CARBON (TOC)	37	30.00	J(all detects) UJ(all non-detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SEDIMENT

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD030-SE01 (Total)	CH-SWSD030-SE01D (Total)			
ALUMINUM	10900	10700	2	30.00	
ARSENIC	2.27	2.92	25	30.00	
BARIUM	80.9	86.5	7	30.00	
BERYLLIUM	0.612	0.583	5	30.00	
CADMIUM	0.604	0.584	3	30.00	
CALCIUM	4580	4470	2	30.00	
CHROMIUM	13.7	13.5	1	30.00	
COBALT	2.11	1.85	13	30.00	
COPPER	18.2	17.7	3	30.00	
IRON	5090	4730	7	30.00	
LEAD	45.0	44.8	0	30.00	No Qualifiers Applied
MAGNESIUM	2010	1920	5	30.00	
MANGANESE	112	105	6	30.00	
NICKEL	7.44	7.35	1	30.00	
POTASSIUM	915	974	6	30.00	
SELENIUM	1.63	1.68	3	30.00	
SILVER	0.160	0.119	29	30.00	
SODIUM	363	457	23	30.00	
THALLIUM	0.147	0.165	12	30.00	
VANADIUM	22.3	21.6	3	30.00	
ZINC	176	187	6	30.00	
ANTIMONY	0.426	1.87 U	200	30.00	J(all detects) UJ(all non-detects)

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD115-SE01 (Total)	CH-SWSD115-SE01D (Total)			
ALUMINUM	3010	2980	1	30.00	
ARSENIC	0.951	1.10	15	30.00	
BARIUM	14.5	13.0	11	30.00	
BERYLLIUM	0.111	0.0861	25	30.00	
CALCIUM	413	384	7	30.00	
CHROMIUM	4.38	4.03	8	30.00	
COBALT	0.713	0.575	21	30.00	
COPPER	0.729	0.554	27	30.00	
IRON	1630	1550	5	30.00	
LEAD	2.41	2.63	9	30.00	No Qualifiers Applied
MAGNESIUM	296	323	9	30.00	
MANGANESE	25.4	29.1	14	30.00	
NICKEL	1.24	1.17	6	30.00	
POTASSIUM	256	276	8	30.00	
SELENIUM	0.193	0.155	22	30.00	
SODIUM	49.2	55.6	12	30.00	
THALLIUM	0.106	0.107	1	30.00	
VANADIUM	4.56	5.24	14	30.00	
ZINC	4.50	4.60	2	30.00	

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD136-SE01 (Total)	CH-SWSD136-SE01D (Total)			

Field Duplicate RPD Report

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SEDIMENT

Analyte	CH-SWSD126-SE01 (Total)	CH-SWSD126-SE01D (Total)	Sample RPD	eQAPP RPD	Flag
ALUMINUM	3630	4160	14	30.00	
ARSENIC	1.54	1.16	28	30.00	
BARIUM	55.3	52.6	5	30.00	
BERYLLIUM	0.310	0.331	7	30.00	
CADMIUM	0.193	0.169	13	30.00	
CALCIUM	2200	2510	13	30.00	
CHROMIUM	3.54	3.78	7	30.00	
COBALT	0.793	0.729	8	30.00	
COPPER	13.3	15.4	15	30.00	
IRON	776	834	7	30.00	No Qualifiers Applied
LEAD	13.0	12.5	4	30.00	
MAGNESIUM	665	736	10	30.00	
MANGANESE	11.2	13.8	21	30.00	
NICKEL	2.60	2.71	4	30.00	
POTASSIUM	170	213	22	30.00	
SELENIUM	1.71	1.87	9	30.00	
SODIUM	372	368	1	30.00	
VANADIUM	10.2	9.87	3	30.00	
ZINC	30.4	30.3	0	30.00	
ANTIMONY	0.549	1.74 U	200	30.00	J(all detects)
SILVER	0.128	0.869 U	200	30.00	UJ(all non-detects)

Analyte	Concentration (mg/kg) CH-SWSD126-SE01 (Total)	Concentration (mg/kg) CH-SWSD126-SE01D (Total)	Sample RPD	eQAPP RPD	Flag
ALUMINUM	5760	5450	6	30.00	
ARSENIC	1.42	1.05	30	30.00	
BARIUM	40.6	42.6	5	30.00	
BERYLLIUM	0.418	0.462	10	30.00	
CADMIUM	0.376	0.290	26	30.00	
CALCIUM	1230	1370	11	30.00	
CHROMIUM	6.26	6.24	0	30.00	
COBALT	0.571	0.534	7	30.00	
COPPER	16.6	15.7	6	30.00	
IRON	1300	1550	18	30.00	No Qualifiers Applied
LEAD	44.3	34.3	25	30.00	
MAGNESIUM	565	539	5	30.00	
MANGANESE	10.3	8.15	23	30.00	
NICKEL	4.96	4.56	8	30.00	
POTASSIUM	382	359	6	30.00	
SELENIUM	2.13	2.38	11	30.00	
SILVER	0.148	0.132	11	30.00	
SODIUM	494	497	1	30.00	
ZINC	38.6	34.9	10	30.00	
VANADIUM	10.6	7.52	34	30.00	J(all detects) UJ(all non-detects)

Method: 7471B
Matrix: SEDIMENT

Analyte	Concentration (mg/kg) CH-SWSD030-SE01 (Total)	Concentration (mg/kg) CH-SWSD030-SE01D (Total)	Sample RPD	eQAPP RPD	Flag
MERCURY	0.0934	0.138	39	30.00	J(all detects) UJ(all non-detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 7471B
Matrix: SEDIMENT

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD136-SE01 (Total)	CH-SWSD136-SE01D (Total)			
MERCURY	0.248	0.139	56	30.00	J(all detects) UJ(all non-detects)

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD126-SE01 (Total)	CH-SWSD126-SE01D (Total)			
MERCURY	0.269	0.238	12	30.00	No Qualifiers Applied

Method: 8082A
Matrix: SEDIMENT

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD126-SE01	CH-SWSD126-SE01D			
AROCLOR 1260	0.080 U	0.043	200	30.00	J(all detects) UJ(all non-detects)

Method: 8270D SIM
Matrix: SEDIMENT

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD115-SE01	CH-SWSD115-SE01D			
PYRENE	0.00064	0.00043	39	30.00	J(all detects) UJ(all non-detects)

Method: 8270D
Matrix: SEDIMENT

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD115-SE01	CH-SWSD115-SE01D			
Benzo (g,h,i) perylene	0.005	0.020 U	200	30.00	J(all detects) UJ(all non-detects)

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD030-SE01	CH-SWSD030-SE01D			
ACENAPHTHENE	0.36	0.41	13	30.00	No Qualifiers Applied
BENZ(A)ANTHRACENE	1.8	2.4	29	30.00	
Benzo (g,h,i) perylene	0.80	0.98	20	30.00	
BENZO(A)PYRENE	1.3	1.6	21	30.00	
BENZO(B)FLUORANTHENE	3.4	4.4	26	30.00	
BENZO(K)FLUORANTHENE	1.8	2.3	24	30.00	
CHRYSENE	3.5	4.2	18	30.00	
DIBENZO(A,H)ANTHRACENE	0.26	0.33	24	30.00	
DIBENZOFURAN	0.21	0.26	21	30.00	
FLUORENE	0.37	0.44	17	30.00	
INDENO(1,2,3-CD)PYRENE	0.84	1.1	27	30.00	
PHENANTHRENE	2.7	3.6	29	30.00	

Field Duplicate RPD Report

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D
Matrix: SEDIMENT

1,1-BIPHENYL	0.17 U	0.083	200	30.00	
1-METHYLNAPHTHALENE	0.11	0.17	43	30.00	
2-METHYLNAPHTHALENE	0.14	0.22	44	30.00	
ACENAPHTHYLENE	1.1	1.6	37	30.00	
ANTHRACENE	1.1	1.6	37	30.00	J(all detects)
BENZOIC ACID	2.5 U	0.95	200	30.00	UJ(all non-detects)
CARBAZOLE	0.73	1.1	40	30.00	
FLUORANTHENE	6.1	9.5	44	30.00	
NAPHTHALENE	0.15	0.30	67	30.00	
PYRENE	4.8	7.5	44	30.00	

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD136-SE01	CH-SWSD136-SE01D			
1-METHYLNAPHTHALENE	0.21	0.054	118	30.00	
2-METHYLNAPHTHALENE	0.22	0.067	107	30.00	
ACENAPHTHENE	0.62	0.11	140	30.00	
ACENAPHTHYLENE	1.4	0.27	135	30.00	
ANTHRACENE	1.6	0.31	135	30.00	
BENZ(A)ANTHRACENE	1.8	0.69	89	30.00	
Benzo (g,h,i) perylene	0.84	0.28	100	30.00	
BENZO(A)PYRENE	1.1	0.41	91	30.00	
BENZO(B)FLUORANTHENE	3.5	1.2	98	30.00	
BENZO(K)FLUORANTHENE	1.6	0.48	108	30.00	J(all detects)
CARBAZOLE	1.1	0.23	131	30.00	UJ(all non-detects)
CHRYSENE	5.2	1.2	125	30.00	
DIBENZO(A,H)ANTHRACENE	0.24	0.095	87	30.00	
DIBENZOFURAN	0.45	0.20 U	200	30.00	
FLUORANTHENE	14	2.4	141	30.00	
FLUORENE	0.58	0.070	157	30.00	
INDENO(1,2,3-CD)PYRENE	0.91	0.31	98	30.00	
NAPHTHALENE	0.46	0.18	88	30.00	
PHENANTHRENE	9.9	0.91	166	30.00	
PYRENE	8.7	1.8	131	30.00	

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD126-SE01	CH-SWSD126-SE01D			
1-METHYLNAPHTHALENE	0.023	0.039	52	30.00	
2-METHYLNAPHTHALENE	0.026	0.047	58	30.00	
ACENAPHTHENE	0.034	0.063	60	30.00	
ACENAPHTHYLENE	0.13	0.27	70	30.00	
ANTHRACENE	0.17	0.45	90	30.00	
BENZ(A)ANTHRACENE	0.34	0.82	83	30.00	
Benzo (g,h,i) perylene	0.19	0.46	83	30.00	
BENZO(A)PYRENE	0.27	0.64	81	30.00	
BENZO(B)FLUORANTHENE	0.76	1.7	76	30.00	
BENZO(K)FLUORANTHENE	0.30	0.83	94	30.00	J(all detects)
CARBAZOLE	0.13	0.30	79	30.00	UJ(all non-detects)
CHRYSENE	0.61	1.5	84	30.00	
DIBENZO(A,H)ANTHRACENE	0.060	0.15	86	30.00	
FLUORANTHENE	1.2	2.8	80	30.00	
FLUORENE	0.038	0.064	51	30.00	
INDENO(1,2,3-CD)PYRENE	0.21	0.51	83	30.00	
NAPHTHALENE	0.046	0.085	60	30.00	
PHENANTHRENE	0.39	0.91	80	30.00	
PYRENE	0.86	2.1	84	30.00	

Field Duplicate RPD Report

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D
Matrix: SEDIMENT

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD126-SE01-X	CH-SWSD126-SE01D-X			
1-METHYLNAPHTHALENE	0.23 U	0.23	200	30.00	J(all detects) UJ(all non-detects)
2-METHYLNAPHTHALENE	0.065	0.26	120	30.00	
ACENAPHTHENE	0.11	0.54	132	30.00	
ACENAPHTHYLENE	0.51	2.7	136	30.00	
ANTHRACENE	0.64	3.0	130	30.00	
BENZ(A)ANTHRACENE	1.2	5.2	125	30.00	
Benzo (g,h,i) perylene	0.65	3.3	134	30.00	
BENZO(A)PYRENE	0.93	4.7	134	30.00	
BENZO(B)FLUORANTHENE	2.4	12	133	30.00	
BENZO(K)FLUORANTHENE	1.1	5.7	135	30.00	
CARBAZOLE	0.38	1.9	133	30.00	
CHRYSENE	1.8	9.7	137	30.00	
DIBENZO(A,H)ANTHRACENE	0.26	1.3	133	30.00	
FLUORANTHENE	3.5	19	138	30.00	
FLUORENE	0.13	0.74	140	30.00	
INDENO(1,2,3-CD)PYRENE	0.70	3.4	132	30.00	
NAPHTHALENE	0.069	0.37	137	30.00	
PHENANTHRENE	1.1	6.2	140	30.00	
PYRENE	2.7	15	139	30.00	

Method: 9045D
Matrix: SEDIMENT

Analyte	Concentration (pH Units)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD030-SE01	CH-SWSD030-SE01D			
PH	5.33	5.35	0	30.00	No Qualifiers Applied

Method: 9060A
Matrix: SEDIMENT

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD115-SE01	CH-SWSD115-SE01D			
TOTAL ORGANIC CARBON (TOC)	3580	2310	43	30.00	J(all detects) UJ(all non-detects)

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD030-SE01	CH-SWSD030-SE01D			
TOTAL ORGANIC CARBON (TOC)	261000	278000	6	30.00	No Qualifiers Applied

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD136-SE01	CH-SWSD136-SE01D			
TOTAL ORGANIC CARBON (TOC)	440000	563000	25	30.00	No Qualifiers Applied

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD126-SE01	CH-SWSD126-SE01D			
TOTAL ORGANIC CARBON (TOC)	502000	496000	1	30.00	No Qualifiers Applied

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Field Duplicate RPD Report

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: Calculation
Matrix: SEDIMENT

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD030-SE01 (Total)	CH-SWSD030-SE01D (Total)			
TRIVALENT CHROMIUM	13.7	13.5	1	20.00	No Qualifiers Applied

Method: D1498
Matrix: SEDIMENT

Analyte	Concentration (mV)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD030-SE01	CH-SWSD030-SE01D			
Oxidation Reduction Potential (ORP)	384	398	4	30.00	No Qualifiers Applied

Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SEDIMENT

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P16463EQ164063705 (Total) (CH-SWSD016-SE01 CH-SWSD017-SE01 CH-SWSD018-SE01 CH-SWSD027-SE01 CH-SWSD028-SE01 CH-SWSD096-SE01 CH-SWSD097-SE01 CH-SWSD126-SE01 CH-SWSD126-SE01D CH-SWSD127-SE01 CH-SWSD128-SE01 CH-SWSD130-SE01 CH-SWSD131-SE01 CH-SWSD132-SE01 CH-SWSD133-SE01 CH-SWSD134-SE01 CH-SWSD135-SE01 CH-SWSD136-SE01D)	MANGANESE	122	-	85.00-116.00	-	MANGANESE	J+ (all detects)

Method: 8270D
Matrix: SEDIMENT

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P4LBLCSQ164SLB026 (CH-SWSD115-SE01 CH-SWSD115-SE01D CH-SWSD116-SE01 CH-SWSD117-SE01 CH-SWSD118-SE01 CH-SWSD119-SE01 CH-SWSD120-SE01 CH-SWSD121-SE01 CH-SWSD122-SE01 CH-SWSD123-SE01 CH-SWSD124-SE01 CH-SWSD125-SE01 CH-SWSD129-SE01 CH-SWSD136-SE01 CH-SWSD137-SE01 CH-SWSD138-SE01 CH-SWSD139-SE01 CH-SWSD140-SE01)	2-CHLORONAPHTHALENE	115	-	41.00-114.00	-	2-CHLORONAPHTHALENE	J+(all detects)

Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 7199
Matrix: SEDIMENT

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P16843AQ168243201A (Total) (CH-SWSD001-SE01 CH-SWSD002-SE01 CH-SWSD003-SE01 CH-SWSD016-SE01 CH-SWSD017-SE01 CH-SWSD018-SE01 CH-SWSD019-SE01 CH-SWSD020-SE01 CH-SWSD021-SE01 CH-SWSD022-SE01 CH-SWSD027-SE01 CH-SWSD029-SE01 CH-SWSD030-SE01 CH-SWSD030-SE01D CH-SWSD100-SE01 CH-SWSD120-SE01 CH-SWSD130-SE01 CH-SWSD140-SE01)	Hexavalent Chromium [Cr (VI)]	111	-	84.00-110.00	-	Hexavalent Chromium [Cr (VI)]	J+(all detects)

Method: 8270D
Matrix: SEDIMENT

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P6LBLCSQ176SLB026 (CH-SWSD096-SE01-X CH-SWSD126-SE01D-X CH-SWSD126-SE01-X CH-SWSD127-SE01-X CH-SWSD128-SE01-X CH-SWSD129-SE01-X CH-SWSD131-SE01-X CH-SWSD133-SE01-X CH-SWSD135-SE01-X CH-SWSD138-SE01-X)	2-CHLORONAPHTHALENE	116	-	41.00-114.00	-	2-CHLORONAPHTHALENE	J+(all detects)

Method: 8270D SIM
Matrix: SEDIMENT

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P8LALCSQ198SLA026 (CH-SWSD002-SE01-X)	ACENAPHTHENE	112	-	44.00-111.00	-	ACENAPHTHENE	J+(all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: SEDIMENT

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD001-SE01	ARSENIC	J	0.833	1.40	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.285	0.351	LOQ	mg/kg	
	CADMIUM	J	0.0877	0.351	LOQ	mg/kg	
	SELENIUM	J	0.257	1.40	LOQ	mg/kg	
CH-SWSD002-SE01	ANTIMONY	J	0.486	0.906	LOQ	mg/kg	J (all detects)
	ARSENIC	J	1.32	1.81	LOQ	mg/kg	
	CADMIUM	J	0.281	0.453	LOQ	mg/kg	
	SELENIUM	J	1.77	1.81	LOQ	mg/kg	
	SILVER	J	0.0942	0.453	LOQ	mg/kg	
CH-SWSD003-SE01	SELENIUM	J	0.109	0.622	LOQ	mg/kg	J (all detects)
CH-SWSD016-SE01	BERYLLIUM	J	0.185	0.226	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.125	0.905	LOQ	mg/kg	
CH-SWSD017-SE01	ARSENIC	J	0.993	1.12	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.106	0.280	LOQ	mg/kg	
	SELENIUM	J	0.216	1.12	LOQ	mg/kg	
	SODIUM	J	103	112	LOQ	mg/kg	
CH-SWSD018-SE01	ARSENIC	J	0.680	0.943	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.131	0.236	LOQ	mg/kg	
	CADMIUM	J	0.0457	0.236	LOQ	mg/kg	
	SELENIUM	J	0.161	0.943	LOQ	mg/kg	
	SODIUM	J	87.8	94.3	LOQ	mg/kg	
CH-SWSD019-SE01	ARSENIC	J	1.16	1.45	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.0901	0.363	LOQ	mg/kg	
	SELENIUM	J	0.318	1.45	LOQ	mg/kg	
	THALLIUM	J	0.0661	0.363	LOQ	mg/kg	
CH-SWSD020-SE01	ARSENIC	J	0.988	1.21	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.143	0.302	LOQ	mg/kg	
	SELENIUM	J	0.289	1.21	LOQ	mg/kg	
	THALLIUM	J	0.0775	0.302	LOQ	mg/kg	
CH-SWSD021-SE01	ARSENIC	J	0.853	1.49	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.164	0.373	LOQ	mg/kg	
	CADMIUM	J	0.0842	0.373	LOQ	mg/kg	
	SELENIUM	J	0.240	1.49	LOQ	mg/kg	
CH-SWSD022-SE01	BERYLLIUM	J	0.170	0.237	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.112	0.946	LOQ	mg/kg	
	SODIUM	J	65.3	94.6	LOQ	mg/kg	
	THALLIUM	J	0.0662	0.237	LOQ	mg/kg	
CH-SWSD023-SE01	ARSENIC	J	1.00	4.36	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.155	1.09	LOQ	mg/kg	
	COBALT	J	0.705	1.09	LOQ	mg/kg	
	NICKEL	J	2.73	4.36	LOQ	mg/kg	
	SELENIUM	J	1.00	4.36	LOQ	mg/kg	
	ZINC	J	22.3	32.7	LOQ	mg/kg	
CH-SWSD027-SE01	ARSENIC	J	1.88	3.93	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.685	0.983	LOQ	mg/kg	
	CADMIUM	J	0.205	0.983	LOQ	mg/kg	
	SELENIUM	J	1.49	3.93	LOQ	mg/kg	
	SILVER	J	0.120	0.983	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: SEDIMENT

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD028-SE01	ANTIMONY	J	0.570	2.24	LOQ	mg/kg	J (all detects)
	ARSENIC	J	3.10	4.49	LOQ	mg/kg	
	BERYLLIUM	J	0.793	1.12	LOQ	mg/kg	
	CADMIUM	J	0.645	1.12	LOQ	mg/kg	
	SELENIUM	J	1.61	4.49	LOQ	mg/kg	
	SILVER	J	0.171	1.12	LOQ	mg/kg	
CH-SWSD029-SE01	ARSENIC	J	2.94	3.68	LOQ	mg/kg	J (all detects)
	SELENIUM	J	1.68	3.68	LOQ	mg/kg	
	THALLIUM	J	0.142	0.921	LOQ	mg/kg	
CH-SWSD030-SE01	ANTIMONY	J	0.426	1.46	LOQ	mg/kg	J (all detects)
	ARSENIC	J	2.27	2.92	LOQ	mg/kg	
	BERYLLIUM	J	0.612	0.730	LOQ	mg/kg	
	CADMIUM	J	0.604	0.730	LOQ	mg/kg	
	SELENIUM	J	1.63	2.92	LOQ	mg/kg	
	SILVER	J	0.160	0.730	LOQ	mg/kg	
	THALLIUM	J	0.147	0.730	LOQ	mg/kg	
CH-SWSD030-SE01D	ARSENIC	J	2.92	3.73	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.583	0.934	LOQ	mg/kg	
	CADMIUM	J	0.584	0.934	LOQ	mg/kg	
	SELENIUM	J	1.68	3.73	LOQ	mg/kg	
	SILVER	J	0.119	0.934	LOQ	mg/kg	
	THALLIUM	J	0.165	0.934	LOQ	mg/kg	
CH-SWSD096-SE01	ANTIMONY	J	0.672	1.62	LOQ	mg/kg	J (all detects)
	SILVER	J	0.243	0.808	LOQ	mg/kg	
	THALLIUM	J	0.327	0.808	LOQ	mg/kg	
CH-SWSD097-SE01	ANTIMONY	J	0.227	0.432	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.0635	0.216	LOQ	mg/kg	
	SILVER	J	0.0603	0.216	LOQ	mg/kg	
	THALLIUM	J	0.184	0.216	LOQ	mg/kg	
CH-SWSD098-SE01	ANTIMONY	J	0.293	0.581	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.135	0.290	LOQ	mg/kg	
	SILVER	J	0.0955	0.290	LOQ	mg/kg	
	THALLIUM	J	0.177	0.290	LOQ	mg/kg	
CH-SWSD099-SE01	SELENIUM	J	0.726	0.884	LOQ	mg/kg	J (all detects)
	SILVER	J	0.0347	0.221	LOQ	mg/kg	
	THALLIUM	J	0.216	0.221	LOQ	mg/kg	
CH-SWSD100-SE01	CADMIUM	J	0.106	0.276	LOQ	mg/kg	J (all detects)
	SILVER	J	0.0732	0.276	LOQ	mg/kg	
	THALLIUM	J	0.268	0.276	LOQ	mg/kg	
CH-SWSD115-SE01	BERYLLIUM	J	0.111	0.177	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.193	0.709	LOQ	mg/kg	
	SODIUM	J	49.2	70.9	LOQ	mg/kg	
	THALLIUM	J	0.106	0.177	LOQ	mg/kg	
	ZINC	J	4.50	5.32	LOQ	mg/kg	
CH-SWSD115-SE01D	BERYLLIUM	J	0.0861	0.169	LOQ	mg/kg	J (all detects)
	COPPER	J	0.554	0.676	LOQ	mg/kg	
	SELENIUM	J	0.155	0.676	LOQ	mg/kg	
	SODIUM	J	55.6	67.6	LOQ	mg/kg	
	THALLIUM	J	0.107	0.169	LOQ	mg/kg	
	ZINC	J	4.60	5.07	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: SEDIMENT

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD116-SE01	BERYLLIUM	J	0.223	0.292	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.0692	0.292	LOQ	mg/kg	
	SELENIUM	J	0.256	1.17	LOQ	mg/kg	
	SODIUM	J	82.0	117	LOQ	mg/kg	
	THALLIUM	J	0.0555	0.292	LOQ	mg/kg	
CH-SWSD117-SE01	ANTIMONY	J	0.156	0.484	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.0769	0.242	LOQ	mg/kg	
	SELENIUM	J	0.119	0.968	LOQ	mg/kg	
	SODIUM	J	52.0	96.8	LOQ	mg/kg	
CH-SWSD118-SE01	BERYLLIUM	J	0.155	0.403	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.152	0.403	LOQ	mg/kg	
	SELENIUM	J	0.253	1.61	LOQ	mg/kg	
	SODIUM	J	141	161	LOQ	mg/kg	
CH-SWSD119-SE01	CADMIUM	J	0.108	0.191	LOQ	mg/kg	J (all detects)
	THALLIUM	J	0.120	0.191	LOQ	mg/kg	
CH-SWSD120-SE01	BERYLLIUM	J	0.238	0.268	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.201	0.268	LOQ	mg/kg	
	SELENIUM	J	0.190	1.07	LOQ	mg/kg	
	SODIUM	J	86.7	107	LOQ	mg/kg	
	THALLIUM	J	0.0854	0.268	LOQ	mg/kg	
CH-SWSD121-SE01	SELENIUM	J	0.543	1.57	LOQ	mg/kg	J (all detects)
	SILVER	J	0.0521	0.392	LOQ	mg/kg	
	THALLIUM	J	0.119	0.392	LOQ	mg/kg	
CH-SWSD122-SE01	ARSENIC	J	0.898	1.01	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.147	0.252	LOQ	mg/kg	
	CADMIUM	J	0.149	0.252	LOQ	mg/kg	
	SELENIUM	J	0.122	1.01	LOQ	mg/kg	
	SODIUM	J	93.2	101	LOQ	mg/kg	
CH-SWSD123-SE01	SELENIUM	J	0.513	0.955	LOQ	mg/kg	J (all detects)
	SILVER	J	0.0329	0.239	LOQ	mg/kg	
	SODIUM	J	70.3	95.5	LOQ	mg/kg	
	THALLIUM	J	0.0969	0.239	LOQ	mg/kg	
CH-SWSD124-SE01	BERYLLIUM	J	0.163	0.196	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.103	0.196	LOQ	mg/kg	
	SELENIUM	J	0.207	0.784	LOQ	mg/kg	
	SODIUM	J	64.2	78.4	LOQ	mg/kg	
	THALLIUM	J	0.0611	0.196	LOQ	mg/kg	
CH-SWSD125-SE01	BERYLLIUM	J	0.0986	0.248	LOQ	mg/kg	J (all detects)
	COPPER	J	0.790	0.993	LOQ	mg/kg	
	SELENIUM	J	0.174	0.993	LOQ	mg/kg	
	SODIUM	J	61.5	99.3	LOQ	mg/kg	
	THALLIUM	J	0.0611	0.248	LOQ	mg/kg	
CH-SWSD126-SE01	ARSENIC	J	1.42	3.16	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.418	0.789	LOQ	mg/kg	
	CADMIUM	J	0.376	0.789	LOQ	mg/kg	
	COBALT	J	0.571	0.789	LOQ	mg/kg	
	SELENIUM	J	2.13	3.16	LOQ	mg/kg	
	SILVER	J	0.148	0.789	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: SEDIMENT

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD126-SE01D	ARSENIC	J	1.05	2.92	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.462	0.729	LOQ	mg/kg	
	CADMIUM	J	0.290	0.729	LOQ	mg/kg	
	COBALT	J	0.534	0.729	LOQ	mg/kg	
	SELENIUM	J	2.38	2.92	LOQ	mg/kg	
	SILVER	J	0.132	0.729	LOQ	mg/kg	
CH-SWSD127-SE01	ANTIMONY	J	0.786	1.73	LOQ	mg/kg	J (all detects)
	ARSENIC	J	1.39	3.47	LOQ	mg/kg	
	BERYLLIUM	J	0.204	0.866	LOQ	mg/kg	
	COBALT	J	0.560	0.866	LOQ	mg/kg	
	NICKEL	J	3.04	3.47	LOQ	mg/kg	
	SELENIUM	J	2.21	3.47	LOQ	mg/kg	
	SILVER	J	0.132	0.866	LOQ	mg/kg	
	ZINC	J	21.4	26.0	LOQ	mg/kg	
CH-SWSD128-SE01	ANTIMONY	J	0.568	1.62	LOQ	mg/kg	J (all detects)
	ARSENIC	J	1.13	3.24	LOQ	mg/kg	
	BERYLLIUM	J	0.209	0.810	LOQ	mg/kg	
	COBALT	J	0.435	0.810	LOQ	mg/kg	
	NICKEL	J	2.79	3.24	LOQ	mg/kg	
	SELENIUM	J	1.97	3.24	LOQ	mg/kg	
	SILVER	J	0.150	0.810	LOQ	mg/kg	
	ZINC	J	18.9	24.3	LOQ	mg/kg	
CH-SWSD129-SE01	ARSENIC	J	0.697	3.15	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.231	0.788	LOQ	mg/kg	
	COBALT	J	0.536	0.788	LOQ	mg/kg	
	NICKEL	J	3.09	3.15	LOQ	mg/kg	
	POTASSIUM	J	237	315	LOQ	mg/kg	
	SELENIUM	J	2.11	3.15	LOQ	mg/kg	
CH-SWSD130-SE01	ANTIMONY	J	0.615	1.60	LOQ	mg/kg	J (all detects)
	ARSENIC	J	1.07	3.20	LOQ	mg/kg	
	BERYLLIUM	J	0.225	0.800	LOQ	mg/kg	
	COBALT	J	0.632	0.800	LOQ	mg/kg	
	NICKEL	J	2.99	3.20	LOQ	mg/kg	
	SELENIUM	J	1.77	3.20	LOQ	mg/kg	
	SILVER	J	0.122	0.800	LOQ	mg/kg	
CH-SWSD131-SE01	ARSENIC	J	1.27	3.28	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.234	0.821	LOQ	mg/kg	
	COBALT	J	0.692	0.821	LOQ	mg/kg	
	NICKEL	J	3.19	3.28	LOQ	mg/kg	
	POTASSIUM	J	305	328	LOQ	mg/kg	
	SELENIUM	J	1.87	3.28	LOQ	mg/kg	
	SILVER	J	0.138	0.821	LOQ	mg/kg	
CH-SWSD132-SE01	ARSENIC	J	1.13	3.33	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.185	0.833	LOQ	mg/kg	
	CADMIUM	J	0.244	0.833	LOQ	mg/kg	
	CHROMIUM	J	3.10	3.33	LOQ	mg/kg	
	COBALT	J	0.693	0.833	LOQ	mg/kg	
	NICKEL	J	3.04	3.33	LOQ	mg/kg	
	POTASSIUM	J	325	333	LOQ	mg/kg	
	SELENIUM	J	1.57	3.33	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: SEDIMENT

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD133-SE01	ARSENIC	J	1.37	3.04	LOQ	mg/kg	
	BERYLLIUM	J	0.230	0.760	LOQ	mg/kg	
	COBALT	J	0.609	0.760	LOQ	mg/kg	
	POTASSIUM	J	279	304	LOQ	mg/kg	J (all detects)
	SELENIUM	J	1.98	3.04	LOQ	mg/kg	
	SILVER	J	0.0958	0.760	LOQ	mg/kg	
CH-SWSD134-SE01	ARSENIC	J	1.10	3.91	LOQ	mg/kg	
	BERYLLIUM	J	0.243	0.978	LOQ	mg/kg	
	CADMIUM	J	0.262	0.978	LOQ	mg/kg	
	CHROMIUM	J	3.49	3.91	LOQ	mg/kg	
	COBALT	J	0.670	0.978	LOQ	mg/kg	
	NICKEL	J	2.80	3.91	LOQ	mg/kg	J (all detects)
	POTASSIUM	J	221	391	LOQ	mg/kg	
	SELENIUM	J	1.87	3.91	LOQ	mg/kg	
	SODIUM	J	358	391	LOQ	mg/kg	
	ZINC	J	27.4	29.3	LOQ	mg/kg	
CH-SWSD135-SE01	ARSENIC	J	1.01	3.58	LOQ	mg/kg	
	BERYLLIUM	J	0.335	0.896	LOQ	mg/kg	
	CADMIUM	J	0.200	0.896	LOQ	mg/kg	
	COBALT	J	0.675	0.896	LOQ	mg/kg	
	NICKEL	J	3.36	3.58	LOQ	mg/kg	J (all detects)
	POTASSIUM	J	186	358	LOQ	mg/kg	
	SELENIUM	J	2.43	3.58	LOQ	mg/kg	
	ZINC	J	25.0	26.9	LOQ	mg/kg	
CH-SWSD136-SE01	ANTIMONY	J	0.549	1.94	LOQ	mg/kg	
	ARSENIC	J	1.54	3.89	LOQ	mg/kg	
	BERYLLIUM	J	0.310	0.972	LOQ	mg/kg	
	CADMIUM	J	0.193	0.972	LOQ	mg/kg	
	CHROMIUM	J	3.54	3.89	LOQ	mg/kg	
	COBALT	J	0.793	0.972	LOQ	mg/kg	J (all detects)
	NICKEL	J	2.60	3.89	LOQ	mg/kg	
	POTASSIUM	J	170	389	LOQ	mg/kg	
	SELENIUM	J	1.71	3.89	LOQ	mg/kg	
	SILVER	J	0.128	0.972	LOQ	mg/kg	
	SODIUM	J	372	389	LOQ	mg/kg	
CH-SWSD136-SE01D	ARSENIC	J	1.16	3.48	LOQ	mg/kg	
	BERYLLIUM	J	0.331	0.869	LOQ	mg/kg	
	CADMIUM	J	0.169	0.869	LOQ	mg/kg	
	COBALT	J	0.729	0.869	LOQ	mg/kg	J (all detects)
	NICKEL	J	2.71	3.48	LOQ	mg/kg	
	POTASSIUM	J	213	348	LOQ	mg/kg	
	SELENIUM	J	1.87	3.48	LOQ	mg/kg	
CH-SWSD137-SE01	ARSENIC	J	1.76	3.83	LOQ	mg/kg	
	BERYLLIUM	J	0.359	0.959	LOQ	mg/kg	
	CADMIUM	J	0.342	0.959	LOQ	mg/kg	
	COBALT	J	0.809	0.959	LOQ	mg/kg	
	NICKEL	J	2.89	3.83	LOQ	mg/kg	J (all detects)
	POTASSIUM	J	307	383	LOQ	mg/kg	
	SELENIUM	J	1.98	3.83	LOQ	mg/kg	
	SILVER	J	0.119	0.959	LOQ	mg/kg	
	SODIUM	J	347	383	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: SEDIMENT

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD138-SE01	ARSENIC	J	2.00	3.47	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.511	0.868	LOQ	mg/kg	
	CADMIUM	J	0.310	0.868	LOQ	mg/kg	
	POTASSIUM	J	294	347	LOQ	mg/kg	
	SELENIUM	J	2.35	3.47	LOQ	mg/kg	
	SILVER	J	0.103	0.868	LOQ	mg/kg	
CH-SWSD139-SE01	ANTIMONY	J	0.469	1.80	LOQ	mg/kg	J (all detects)
	ARSENIC	J	1.23	3.59	LOQ	mg/kg	
	BERYLLIUM	J	0.268	0.898	LOQ	mg/kg	
	CADMIUM	J	0.240	0.898	LOQ	mg/kg	
	COBALT	J	0.559	0.898	LOQ	mg/kg	
	SELENIUM	J	2.41	3.59	LOQ	mg/kg	
	SODIUM	J	341	359	LOQ	mg/kg	
	ZINC	J	14.6	27.0	LOQ	mg/kg	
CH-SWSD140-SE01	ARSENIC	J	0.978	2.34	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.404	0.584	LOQ	mg/kg	
	ZINC	J	14.7	17.5	LOQ	mg/kg	

Method: 7471B

Matrix: SEDIMENT

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD018-SE01	MERCURY	J	0.0165	0.155	LOQ	mg/kg	J (all detects)
CH-SWSD020-SE01	MERCURY	J	0.0245	0.215	LOQ	mg/kg	J (all detects)
CH-SWSD023-SE01	MERCURY	J	0.0680	0.569	LOQ	mg/kg	J (all detects)
CH-SWSD027-SE01	MERCURY	J	0.210	0.548	LOQ	mg/kg	J (all detects)
CH-SWSD028-SE01	MERCURY	J	0.175	0.579	LOQ	mg/kg	J (all detects)
CH-SWSD029-SE01	MERCURY	J	0.141	0.561	LOQ	mg/kg	J (all detects)
CH-SWSD030-SE01	MERCURY	J	0.0934	0.462	LOQ	mg/kg	J (all detects)
CH-SWSD030-SE01D	MERCURY	J	0.138	0.467	LOQ	mg/kg	J (all detects)
CH-SWSD096-SE01	MERCURY	J	0.244	0.461	LOQ	mg/kg	J (all detects)
CH-SWSD097-SE01	MERCURY	J	0.0819	0.144	LOQ	mg/kg	J (all detects)
CH-SWSD098-SE01	MERCURY	J	0.0636	0.190	LOQ	mg/kg	J (all detects)
CH-SWSD099-SE01	MERCURY	J	0.0338	0.144	LOQ	mg/kg	J (all detects)
CH-SWSD100-SE01	MERCURY	J	0.0763	0.175	LOQ	mg/kg	J (all detects)
CH-SWSD116-SE01	MERCURY	J	0.0261	0.141	LOQ	mg/kg	J (all detects)
CH-SWSD117-SE01	MERCURY	J	0.0169	0.146	LOQ	mg/kg	J (all detects)
CH-SWSD118-SE01	MERCURY	J	0.0198	0.190	LOQ	mg/kg	J (all detects)
CH-SWSD120-SE01	MERCURY	J	0.0254	0.156	LOQ	mg/kg	J (all detects)
CH-SWSD121-SE01	MERCURY	J	0.0607	0.231	LOQ	mg/kg	J (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 7471B

Matrix: SEDIMENT

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD123-SE01	MERCURY	J	0.0199	0.155	LOQ	mg/kg	J (all detects)
CH-SWSD126-SE01	MERCURY	J	0.269	0.447	LOQ	mg/kg	J (all detects)
CH-SWSD126-SE01D	MERCURY	J	0.238	0.434	LOQ	mg/kg	J (all detects)
CH-SWSD127-SE01	MERCURY	J	0.262	0.503	LOQ	mg/kg	J (all detects)
CH-SWSD128-SE01	MERCURY	J	0.211	0.526	LOQ	mg/kg	J (all detects)
CH-SWSD129-SE01	MERCURY	J	0.246	0.444	LOQ	mg/kg	J (all detects)
CH-SWSD130-SE01	MERCURY	J	0.238	0.564	LOQ	mg/kg	J (all detects)
CH-SWSD131-SE01	MERCURY	J	0.216	0.531	LOQ	mg/kg	J (all detects)
CH-SWSD132-SE01	MERCURY	J	0.216	0.549	LOQ	mg/kg	J (all detects)
CH-SWSD133-SE01	MERCURY	J	0.268	0.524	LOQ	mg/kg	J (all detects)
CH-SWSD134-SE01	MERCURY	J	0.216	0.568	LOQ	mg/kg	J (all detects)
CH-SWSD135-SE01	MERCURY	J	0.212	0.546	LOQ	mg/kg	J (all detects)
CH-SWSD136-SE01	MERCURY	J	0.248	0.696	LOQ	mg/kg	J (all detects)
CH-SWSD136-SE01D	MERCURY	J	0.139	0.607	LOQ	mg/kg	J (all detects)
CH-SWSD137-SE01	MERCURY	J	0.186	0.575	LOQ	mg/kg	J (all detects)
CH-SWSD138-SE01	MERCURY	J	0.144	0.538	LOQ	mg/kg	J (all detects)
CH-SWSD139-SE01	MERCURY	J	0.116	0.472	LOQ	mg/kg	J (all detects)
CH-SWSD140-SE01	MERCURY	J	0.0609	0.393	LOQ	mg/kg	J (all detects)

Method: 8082A

Matrix: SEDIMENT

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD126-SE01D	AROCLOR 1260	J	0.043	0.079	LOQ	mg/kg	J (all detects)
CH-SWSD127-SE01	AROCLOR 1254 AROCLOR 1260	J J	0.041 0.036	0.084 0.084	LOQ LOQ	mg/kg mg/kg	J (all detects)
CH-SWSD128-SE01	AROCLOR 1248 AROCLOR 1254	J J	0.080 0.058	0.089 0.089	LOQ LOQ	mg/kg mg/kg	J (all detects)
CH-SWSD129-SE01	AROCLOR 1260	J	0.035	0.081	LOQ	mg/kg	J (all detects)
CH-SWSD133-SE01	AROCLOR 1254	J	0.030	0.094	LOQ	mg/kg	J (all detects)
CH-SWSD139-SE01	AROCLOR 1248	J	0.034	0.079	LOQ	mg/kg	J (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D

Matrix: SEDIMENT

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD001-SE01	ACENAPHTHYLENE	J	0.01	0.034	LOQ	mg/kg	J (all detects)
	BENZ(A)ANTHRACENE	J	0.011	0.034	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.01	0.034	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.013	0.034	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.018	0.034	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.009	0.034	LOQ	mg/kg	
	CHRYSENE	J	0.014	0.034	LOQ	mg/kg	
	FLUORANTHENE	J	0.023	0.034	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.009	0.034	LOQ	mg/kg	
	PHENANTHRENE	J	0.014	0.034	LOQ	mg/kg	
	PYRENE	J	0.021	0.034	LOQ	mg/kg	
CH-SWSD002-SE01	BENZO(B)FLUORANTHENE	J	0.065	0.23	LOQ	mg/kg	J (all detects)
	BENZO(K)FLUORANTHENE	J	0.051	0.23	LOQ	mg/kg	
	CHRYSENE	J	0.052	0.23	LOQ	mg/kg	
	FLUORANTHENE	J	0.070	0.23	LOQ	mg/kg	
	PYRENE	J	0.074	0.23	LOQ	mg/kg	
CH-SWSD003-SE01	ACENAPHTHYLENE	J	0.005	0.020	LOQ	mg/kg	J (all detects)
	PYRENE	J	0.005	0.020	LOQ	mg/kg	
CH-SWSD019-SE01	1,1-BIPHENYL	J	0.074	0.086	LOQ	mg/kg	J (all detects)
CH-SWSD022-SE01	ACENAPHTHENE	J	0.008	0.021	LOQ	mg/kg	J (all detects)
	BENZOIC ACID	J	0.30	0.63	LOQ	mg/kg	
	CARBAZOLE	J	0.023	0.042	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.012	0.021	LOQ	mg/kg	
	FLUORENE	J	0.01	0.021	LOQ	mg/kg	
	NAPHTHALENE	J	0.004	0.021	LOQ	mg/kg	
CH-SWSD023-SE01	1-METHYLNAPHTHALENE	J	0.027	0.098	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.027	0.098	LOQ	mg/kg	
	ACENAPHTHENE	J	0.055	0.098	LOQ	mg/kg	
	CARBAZOLE	J	0.14	0.19	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.083	0.098	LOQ	mg/kg	
	FLUORENE	J	0.063	0.098	LOQ	mg/kg	
	NAPHTHALENE	J	0.021	0.098	LOQ	mg/kg	
CH-SWSD027-SE01	1-METHYLNAPHTHALENE	J	0.052	0.098	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.062	0.098	LOQ	mg/kg	
	NAPHTHALENE	J	0.086	0.098	LOQ	mg/kg	
CH-SWSD028-SE01	DIBENZOFURAN	J	0.15	0.20	LOQ	mg/kg	J (all detects)
CH-SWSD029-SE01	1-METHYLNAPHTHALENE	J	0.097	0.10	LOQ	mg/kg	J (all detects)
	DIBENZOFURAN	J	0.13	0.20	LOQ	mg/kg	
CH-SWSD030-SE01D	1,1-BIPHENYL	J	0.083	0.16	LOQ	mg/kg	J (all detects)
	BENZOIC ACID	J	0.95	2.4	LOQ	mg/kg	
CH-SWSD096-SE01	ACENAPHTHENE	J	0.028	0.078	LOQ	mg/kg	J (all detects)
	ACENAPHTHYLENE	J	0.065	0.078	LOQ	mg/kg	
	ANTHRACENE	J	0.057	0.078	LOQ	mg/kg	
	CARBAZOLE	J	0.10	0.15	LOQ	mg/kg	
	DIBENZOFURAN	J	0.14	0.15	LOQ	mg/kg	
	FLUORENE	J	0.065	0.078	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D

Matrix: SEDIMENT

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD096-SE01-X	ACENAPHTHENE	J	0.12	0.46	LOQ	mg/kg	J (all detects)
	ACENAPHTHYLENE	J	0.13	0.46	LOQ	mg/kg	
	ANTHRACENE	J	0.16	0.46	LOQ	mg/kg	
	BENZ(A)ANTHRACENE	J	0.37	0.46	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.35	0.46	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.44	0.46	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.16	0.46	LOQ	mg/kg	
	FLUORENE	J	0.13	0.46	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.33	0.46	LOQ	mg/kg	
CH-SWSD097-SE01	2-Methylphenol (o-Cresol)	J	0.23	0.24	LOQ	mg/kg	J (all detects)
	3/4-Methylphenol [m/p-Cresol]	J	0.21	0.24	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.10	0.12	LOQ	mg/kg	
CH-SWSD098-SE01	2-Methylphenol (o-Cresol)	J	0.051	0.063	LOQ	mg/kg	J (all detects)
	3/4-Methylphenol [m/p-Cresol]	J	0.054	0.063	LOQ	mg/kg	
	BENZOIC ACID	J	0.61	0.95	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.031	0.032	LOQ	mg/kg	
CH-SWSD099-SE01	ACENAPHTHENE	J	0.023	0.025	LOQ	mg/kg	J (all detects)
	ACENAPHTHYLENE	J	0.013	0.025	LOQ	mg/kg	
	ANTHRACENE	J	0.020	0.025	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.023	0.025	LOQ	mg/kg	
	BENZOIC ACID	J	0.30	0.74	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.006	0.025	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.023	0.025	LOQ	mg/kg	
CH-SWSD100-SE01	2-Methylphenol (o-Cresol)	J	0.048	0.062	LOQ	mg/kg	J (all detects)
	3/4-Methylphenol [m/p-Cresol]	J	0.049	0.062	LOQ	mg/kg	
	BENZOIC ACID	J	0.56	0.92	LOQ	mg/kg	
	BIS(2-ETHYLHEXYL) PHTHALATE	J	0.14	0.31	LOQ	mg/kg	
CH-SWSD115-SE01	Benzo (g,h,i) perylene	J	0.005	0.021	LOQ	mg/kg	J (all detects)
CH-SWSD116-SE01	ANTHRACENE	J	0.006	0.026	LOQ	mg/kg	J (all detects)
	BENZ(A)ANTHRACENE	J	0.020	0.026	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.023	0.026	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.022	0.026	LOQ	mg/kg	
	BENZOIC ACID	J	0.33	0.75	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.007	0.026	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.021	0.026	LOQ	mg/kg	
	NAPHTHALENE	J	0.009	0.026	LOQ	mg/kg	
	PHENANTHRENE	J	0.013	0.026	LOQ	mg/kg	
CH-SWSD117-SE01	BENZ(A)ANTHRACENE	J	0.01	0.025	LOQ	mg/kg	J (all detects)
	Benzo (g,h,i) perylene	J	0.008	0.025	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.011	0.025	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.013	0.025	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.008	0.025	LOQ	mg/kg	
	CHRYSENE	J	0.012	0.025	LOQ	mg/kg	
	FLUORANTHENE	J	0.017	0.025	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.010	0.025	LOQ	mg/kg	
	PHENANTHRENE	J	0.005	0.025	LOQ	mg/kg	
	PYRENE	J	0.017	0.025	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D

Matrix: SEDIMENT

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD118-SE01	ACENAPHTHYLENE	J	0.019	0.035	LOQ	mg/kg	
	ANTHRACENE	J	0.012	0.035	LOQ	mg/kg	
	BENZ(A)ANTHRACENE	J	0.015	0.035	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.017	0.035	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.017	0.035	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.025	0.035	LOQ	mg/kg	J (all detects)
	BENZO(K)FLUORANTHENE	J	0.013	0.035	LOQ	mg/kg	
	CHRYSENE	J	0.021	0.035	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.016	0.035	LOQ	mg/kg	
	FLUORENE	J	0.014	0.035	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.012	0.035	LOQ	mg/kg	
CH-SWSD120-SE01	1-METHYLNAPHTHALENE	J	0.017	0.028	LOQ	mg/kg	
	2-METHYLNAPHTHALENE	J	0.020	0.028	LOQ	mg/kg	
	ACENAPHTHENE	J	0.011	0.028	LOQ	mg/kg	
	BENZ(A)ANTHRACENE	J	0.011	0.028	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.016	0.028	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.015	0.028	LOQ	mg/kg	J (all detects)
	BENZO(B)FLUORANTHENE	J	0.023	0.028	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.01	0.028	LOQ	mg/kg	
	CHRYSENE	J	0.015	0.028	LOQ	mg/kg	
	FLUORANTHENE	J	0.027	0.028	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.013	0.028	LOQ	mg/kg	
CH-SWSD121-SE01	1-METHYLNAPHTHALENE	J	0.009	0.042	LOQ	mg/kg	
	2-METHYLNAPHTHALENE	J	0.011	0.042	LOQ	mg/kg	
	ANTHRACENE	J	0.031	0.042	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.014	0.042	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.018	0.042	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.016	0.042	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.011	0.042	LOQ	mg/kg	J (all detects)
	CHRYSENE	J	0.014	0.042	LOQ	mg/kg	
	FLUORANTHENE	J	0.017	0.042	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.015	0.042	LOQ	mg/kg	
	NAPHTHALENE	J	0.01	0.042	LOQ	mg/kg	
	PHENANTHRENE	J	0.015	0.042	LOQ	mg/kg	
	PYRENE	J	0.027	0.042	LOQ	mg/kg	
CH-SWSD122-SE01	ANTHRACENE	J	0.009	0.027	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.007	0.027	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.007	0.027	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.009	0.027	LOQ	mg/kg	J (all detects)
	DIBENZO(A,H)ANTHRACENE	J	0.020	0.027	LOQ	mg/kg	
	FLUORANTHENE	J	0.007	0.027	LOQ	mg/kg	
	PYRENE	J	0.01	0.027	LOQ	mg/kg	
CH-SWSD123-SE01	ACENAPHTHENE	J	0.008	0.027	LOQ	mg/kg	
	ANTHRACENE	J	0.012	0.027	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.009	0.027	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.008	0.027	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.006	0.027	LOQ	mg/kg	
	BENZOIC ACID	J	0.49	0.81	LOQ	mg/kg	J (all detects)
	FLUORANTHENE	J	0.006	0.027	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.006	0.027	LOQ	mg/kg	
	PHENANTHRENE	J	0.012	0.027	LOQ	mg/kg	
	PYRENE	J	0.007	0.027	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D

Matrix: SEDIMENT

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD124-SE01	Benzo (g,h,i) perylene	J	0.006	0.024	LOQ	mg/kg	J (all detects)
	BENZO(B)FLUORANTHENE	J	0.006	0.024	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.005	0.024	LOQ	mg/kg	
	BENZOIC ACID	J	0.29	0.69	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.005	0.024	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.005	0.024	LOQ	mg/kg	
CH-SWSD126-SE01	1-METHYLNAPHTHALENE	J	0.023	0.079	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.026	0.079	LOQ	mg/kg	
	ACENAPHTHENE	J	0.034	0.079	LOQ	mg/kg	
	CARBAZOLE	J	0.13	0.16	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.060	0.079	LOQ	mg/kg	
	FLUORENE	J	0.038	0.079	LOQ	mg/kg	
	NAPHTHALENE	J	0.046	0.079	LOQ	mg/kg	
CH-SWSD126-SE01D	1-METHYLNAPHTHALENE	J	0.039	0.078	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.047	0.078	LOQ	mg/kg	
	ACENAPHTHENE	J	0.063	0.078	LOQ	mg/kg	
	FLUORENE	J	0.064	0.078	LOQ	mg/kg	
CH-SWSD126-SE01D-X	1-METHYLNAPHTHALENE	J	0.23	1.1	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.26	1.1	LOQ	mg/kg	
	ACENAPHTHENE	J	0.54	1.1	LOQ	mg/kg	
	CARBAZOLE	J	1.9	2.2	LOQ	mg/kg	
	FLUORENE	J	0.74	1.1	LOQ	mg/kg	
	NAPHTHALENE	J	0.37	1.1	LOQ	mg/kg	
CH-SWSD126-SE01-X	2-METHYLNAPHTHALENE	J	0.065	0.23	LOQ	mg/kg	J (all detects)
	ACENAPHTHENE	J	0.11	0.23	LOQ	mg/kg	
	CARBAZOLE	J	0.38	0.46	LOQ	mg/kg	
	FLUORENE	J	0.13	0.23	LOQ	mg/kg	
	NAPHTHALENE	J	0.069	0.23	LOQ	mg/kg	
CH-SWSD127-SE01	1-METHYLNAPHTHALENE	J	0.040	0.085	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.053	0.085	LOQ	mg/kg	
	ACENAPHTHENE	J	0.079	0.085	LOQ	mg/kg	
CH-SWSD127-SE01-X	1-METHYLNAPHTHALENE	J	0.10	0.25	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.14	0.25	LOQ	mg/kg	
CH-SWSD128-SE01	1-METHYLNAPHTHALENE	J	0.029	0.088	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.035	0.088	LOQ	mg/kg	
	ACENAPHTHENE	J	0.066	0.088	LOQ	mg/kg	
	FLUORENE	J	0.082	0.088	LOQ	mg/kg	
	NAPHTHALENE	J	0.072	0.088	LOQ	mg/kg	
CH-SWSD128-SE01-X	1-METHYLNAPHTHALENE	J	0.066	0.26	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.087	0.26	LOQ	mg/kg	
	ACENAPHTHENE	J	0.19	0.26	LOQ	mg/kg	
	FLUORENE	J	0.24	0.26	LOQ	mg/kg	
	NAPHTHALENE	J	0.13	0.26	LOQ	mg/kg	
CH-SWSD129-SE01	1-METHYLNAPHTHALENE	J	0.057	0.080	LOQ	mg/kg	J (all detects)
	DIBENZOFURAN	J	0.11	0.16	LOQ	mg/kg	
CH-SWSD129-SE01-X	ACENAPHTHENE	J	0.10	0.24	LOQ	mg/kg	J (all detects)
	FLUORENE	J	0.18	0.24	LOQ	mg/kg	
	NAPHTHALENE	J	0.11	0.24	LOQ	mg/kg	
CH-SWSD130-SE01	DIBENZOFURAN	J	0.12	0.20	LOQ	mg/kg	J (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D

Matrix: SEDIMENT

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD131-SE01	1-METHYLNAPHTHALENE	J	0.054	0.097	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.075	0.097	LOQ	mg/kg	
	ACENAPHTHENE	J	0.093	0.097	LOQ	mg/kg	
CH-SWSD131-SE01-X	1-METHYLNAPHTHALENE	J	0.070	0.28	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.13	0.28	LOQ	mg/kg	
	ACENAPHTHENE	J	0.26	0.28	LOQ	mg/kg	
	NAPHTHALENE	J	0.24	0.28	LOQ	mg/kg	
CH-SWSD132-SE01	1-METHYLNAPHTHALENE	J	0.060	0.10	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.073	0.10	LOQ	mg/kg	
	DIBENZOFURAN	J	0.10	0.20	LOQ	mg/kg	
	NAPHTHALENE	J	0.090	0.10	LOQ	mg/kg	
CH-SWSD133-SE01	1-METHYLNAPHTHALENE	J	0.040	0.095	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.051	0.095	LOQ	mg/kg	
	NAPHTHALENE	J	0.064	0.095	LOQ	mg/kg	
CH-SWSD133-SE01-X	1-METHYLNAPHTHALENE	J	0.21	0.28	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.24	0.28	LOQ	mg/kg	
	DIBENZOFURAN	J	0.32	0.55	LOQ	mg/kg	
	NAPHTHALENE	J	0.25	0.28	LOQ	mg/kg	
CH-SWSD134-SE01	1-METHYLNAPHTHALENE	J	0.097	0.10	LOQ	mg/kg	J (all detects)
	DIBENZOFURAN	J	0.16	0.20	LOQ	mg/kg	
CH-SWSD135-SE01	1-METHYLNAPHTHALENE	J	0.036	0.093	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.048	0.093	LOQ	mg/kg	
	NAPHTHALENE	J	0.049	0.093	LOQ	mg/kg	
CH-SWSD135-SE01-X	2-METHYLNAPHTHALENE	J	0.055	0.28	LOQ	mg/kg	J (all detects)
	ACENAPHTHENE	J	0.25	0.28	LOQ	mg/kg	
	CARBAZOLE	J	0.43	0.54	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.21	0.28	LOQ	mg/kg	
	DIBENZOFURAN	J	0.32	0.54	LOQ	mg/kg	
	NAPHTHALENE	J	0.060	0.28	LOQ	mg/kg	
CH-SWSD136-SE01D	1-METHYLNAPHTHALENE	J	0.054	0.10	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.067	0.10	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.095	0.10	LOQ	mg/kg	
	FLUORENE	J	0.070	0.10	LOQ	mg/kg	
CH-SWSD138-SE01	1,1-BIPHENYL	J	0.16	0.18	LOQ	mg/kg	J (all detects)
CH-SWSD139-SE01	1,1-BIPHENYL	J	0.12	0.16	LOQ	mg/kg	J (all detects)
	1-METHYLNAPHTHALENE	J	0.25	0.40	LOQ	mg/kg	
	2-METHYLNAPHTHALENE	J	0.29	0.40	LOQ	mg/kg	
	DIBENZOFURAN	J	0.54	0.78	LOQ	mg/kg	
	NAPHTHALENE	J	0.29	0.40	LOQ	mg/kg	
CH-SWSD140-SE01	1-METHYLNAPHTHALENE	J	0.035	0.068	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.060	0.068	LOQ	mg/kg	
	DIBENZOFURAN	J	0.085	0.13	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D SIM

Matrix: SEDIMENT

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD001-SE01	ANTHRACENE	J	0.0011	0.0033	LOQ	mg/kg	J (all detects)
	BENZO(G,H,I)PERYLENE	J	0.0025	0.0033	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.0027	0.0033	LOQ	mg/kg	
CH-SWSD002-SE01	1-METHYLNAPHTHALENE	J	0.0019	0.0045	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.0026	0.0045	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.0026	0.0045	LOQ	mg/kg	
	ANTHRACENE	J	0.0037	0.0045	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.0027	0.0045	LOQ	mg/kg	
	NAPHTHALENE	J	0.0036	0.0045	LOQ	mg/kg	
CH-SWSD003-SE01	2-METHYLNAPHTHALENE	J	0.00095	0.0019	LOQ	mg/kg	J (all detects)
	BENZ(A)ANTHRACENE	J	0.00092	0.0019	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.0010	0.0019	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.0014	0.0019	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.0012	0.0019	LOQ	mg/kg	
	CHRYSENE	J	0.0013	0.0019	LOQ	mg/kg	
	FLUORENE	J	0.0013	0.0019	LOQ	mg/kg	
	PHENANTHRENE	J	0.0013	0.0019	LOQ	mg/kg	
CH-SWSD022-SE01	1-METHYLNAPHTHALENE	J	0.0017	0.0021	LOQ	mg/kg	J (all detects)
CH-SWSD115-SE01	PYRENE	J	0.00064	0.0021	LOQ	mg/kg	J (all detects)
CH-SWSD115-SE01D	PYRENE	J	0.00043	0.0020	LOQ	mg/kg	J (all detects)
CH-SWSD116-SE01	1-METHYLNAPHTHALENE	J	0.0012	0.0025	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.0023	0.0025	LOQ	mg/kg	
CH-SWSD117-SE01	ACENAPHTHYLENE	J	0.00058	0.0025	LOQ	mg/kg	J (all detects)
	ANTHRACENE	J	0.00099	0.0025	LOQ	mg/kg	
	BENZO(G,H,I)PERYLENE	J	0.0022	0.0025	LOQ	mg/kg	
	FLUORENE	J	0.0018	0.0025	LOQ	mg/kg	
	NAPHTHALENE	J	0.0020	0.0025	LOQ	mg/kg	
CH-SWSD118-SE01	ACENAPHTHENE	J	0.0023	0.0034	LOQ	mg/kg	J (all detects)
	BENZO(G,H,I)PERYLENE	J	0.0033	0.0034	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.0021	0.0034	LOQ	mg/kg	
CH-SWSD119-SE01	ANTHRACENE	J	0.00098	0.0019	LOQ	mg/kg	J (all detects)
	CHRYSENE	J	0.00044	0.0019	LOQ	mg/kg	
	PYRENE	J	0.00058	0.0019	LOQ	mg/kg	
CH-SWSD120-SE01	DIBENZO(A,H)ANTHRACENE	J	0.0017	0.0027	LOQ	mg/kg	J (all detects)
CH-SWSD121-SE01	ACENAPHTHYLENE	J	0.0036	0.0041	LOQ	mg/kg	J (all detects)
	BENZO(G,H,I)PERYLENE	J	0.0024	0.0041	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.0031	0.0041	LOQ	mg/kg	
CH-SWSD122-SE01	ACENAPHTHYLENE	J	0.0013	0.0026	LOQ	mg/kg	J (all detects)
	BENZ(A)ANTHRACENE	J	0.0012	0.0026	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.0016	0.0026	LOQ	mg/kg	
	CHRYSENE	J	0.0022	0.0026	LOQ	mg/kg	
	NAPHTHALENE	J	0.0025	0.0026	LOQ	mg/kg	
CH-SWSD123-SE01	ACENAPHTHYLENE	J	0.0024	0.0027	LOQ	mg/kg	J (all detects)
	BENZO(A)PYRENE	J	0.0018	0.0027	LOQ	mg/kg	
	CHRYSENE	J	0.0016	0.0027	LOQ	mg/kg	
	FLUORANTHENE	J	0.0024	0.0027	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.0011	0.0027	LOQ	mg/kg	
	NAPHTHALENE	J	0.0017	0.0027	LOQ	mg/kg	
	PYRENE	J	0.0022	0.0027	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**

Matrix: **SEDIMENT**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD124-SE01	2-METHYLNAPHTHALENE	J	0.0010	0.0023	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.0011	0.0023	LOQ	mg/kg	
	CHRYSENE	J	0.0013	0.0023	LOQ	mg/kg	J (all detects)
	FLUORANTHENE	J	0.0014	0.0023	LOQ	mg/kg	
	PHENANTHRENE	J	0.0013	0.0023	LOQ	mg/kg	
CH-SWSD125-SE01	ANTHRACENE	J	0.0011	0.0021	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.00098	0.0021	LOQ	mg/kg	J (all detects)
	FLUORENE	J	0.0014	0.0021	LOQ	mg/kg	
	PYRENE	J	0.00085	0.0021	LOQ	mg/kg	

Method Blank Outlier Report

Lab Reporting Batch ID: APP25 **Laboratory: LLL**

EDD Filename: APP25-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**
Matrix: **SEDIMENT**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P16463DB164063704	6/23/2017 7:10:00 AM	MANGANESE NICKEL SODIUM	0.184 mg/kg 0.232 mg/kg 10.6 mg/kg	CH-SWSD115-SE01 CH-SWSD115-SE01D CH-SWSD116-SE01 CH-SWSD117-SE01 CH-SWSD118-SE01 CH-SWSD119-SE01 CH-SWSD120-SE01 CH-SWSD121-SE01 CH-SWSD122-SE01 CH-SWSD123-SE01 CH-SWSD124-SE01 CH-SWSD125-SE01 CH-SWSD129-SE01 CH-SWSD136-SE01 CH-SWSD137-SE01 CH-SWSD138-SE01 CH-SWSD139-SE01 CH-SWSD140-SE01
P16463EB164063705	6/21/2017 1:30:00 PM	MANGANESE	0.183 mg/kg	CH-SWSD016-SE01 CH-SWSD017-SE01 CH-SWSD018-SE01 CH-SWSD027-SE01 CH-SWSD028-SE01 CH-SWSD096-SE01 CH-SWSD097-SE01 CH-SWSD126-SE01 CH-SWSD126-SE01D CH-SWSD127-SE01 CH-SWSD128-SE01 CH-SWSD130-SE01 CH-SWSD131-SE01 CH-SWSD132-SE01 CH-SWSD133-SE01 CH-SWSD134-SE01 CH-SWSD135-SE01 CH-SWSD136-SE01D
P16463JB164063710	6/20/2017 3:53:00 PM	CHROMIUM	0.124 mg/kg	CH-SWSD001-SE01 CH-SWSD002-SE01 CH-SWSD003-SE01 CH-SWSD019-SE01 CH-SWSD021-SE01 CH-SWSD022-SE01 CH-SWSD029-SE01 CH-SWSD030-SE01 CH-SWSD030-SE01D CH-SWSD098-SE01 CH-SWSD099-SE01 CH-SWSD100-SE01
P16563AB165063701	6/19/2017 4:06:00 PM	ALUMINUM COPPER SODIUM	5.95 mg/kg 0.192 mg/kg 9.54 mg/kg	CH-SWSD020-SE01 CH-SWSD023-SE01

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
CH-SWSD115-SE01(Initial/TOT)	SODIUM	49.2 mg/kg	70.9U mg/kg
CH-SWSD117-SE01(Initial/TOT)	SODIUM	52.0 mg/kg	96.8U mg/kg

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Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page	1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.		
Laboratory SDG:	APP26		
Date(s) of Collection:	June 6th, 2017		
Number/Type Samples & Analyses:	35 surface water samples plus 1 MS/MSD, 3 field duplicates, and 1 equipment blank for a project-specific list of SVOCs, PAHs, PCBs, hexavalent chromium, and metals		
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA		
Completed:	November 21, 2017		

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for surface water data included in Sample Delivery Group (SDG) APP26. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017.

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✓ Holding times and sample preservation

✗ Laboratory method blank data

✓ Field rinsate blank data

NA Trip blank data

✗ Laboratory control sample (LCS) recoveries

✗ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✗ Surrogate recoveries

✗ Laboratory duplicate results

✗ Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of "J" data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

All the surface water samples were run for regular 8270 and 8270 SIM. The final results will be presented in 8270 SIM.

The original analyses of several samples in method 8270D have low surrogate recoveries; the lab re-extracted the batch outside of recommended extraction hold times and all samples have acceptable surrogate recoveries. Samples affected are CH-SWSD140-SW01 plus MS/MSD, CH-SWSD134-SW01, CH-SWSD135-SW01D, CH-SWSD135-SW01, CH-SWSD132-SW01, CH-SWSD133-SW01, CH-SWSD130-SW01, CH-SWSD030-SW01, CH-SWSD003-SW01, CH-SWSD017-SW01, CH-SWSD021-SW01, CH-SWSD023-SW01, and CH-SWSD022-SW01 The results between the first and second runs are comparable. The initial results will be reported as the final results.

The initial analyses of several samples in method 8270D SIM had surrogate recoveries or laboratory control spike outside acceptance limits; the lab re-extracted the batch outside of recommended extraction hold times and all samples have acceptable surrogate and LCS recoveries. Samples affected are CH-SWSD138-SW01, CH-SWSD139-SW01, CH-SWSD140-SW01, CH-SWSD134-SW01, CH-SWSD135-SW01, CH-SWSD135-SW01D, CH-SWSD127-SW01, CH-SWSD129-SW01, CH-SWSD129-SW01D, CH-SWSD132-SW01, CH-SWSD133-SW01, CH-SWSD130-SW01, CH-SWSD131-SW01, CH-SWSD126-SW01, CH-SWSD030-SW01, and CH-SWSD027-SW01. The results between the first and second runs are comparable. The initial results will be reported as the final results.

This data package was revised 11/9/2017 due to the Eurofins SW6020A metals data breach. The majority of the data changes were made to Quality Control (QC) and/or calibration checks, not to actual sample results. The few field sample result changes were due to the originally reported result exceeding the linear calibration range of the instrument; those results were changed to be slightly lower than the upper limit of the calibration range.

In this package, the result for manganese in the associated method blank changed from < 2.0 ug/l to 1.5 J ug/l. The antimony LCS percent recovery was lower in the corrected data package. Cobalt was detected in the ICSA and outside of QC limits; however in the ICSAB, cobalt was within QC limits.

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Validation Area	*Note*
Technical Holding Times	SR
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	SR
Surrogate/Tracer Spikes	SR
Matrix Spike/Matrix Spike Duplicates	SR
Laboratory Duplicates	SR
Laboratory Replicates	N
Laboratory Control Samples	SR
Compound Quantitation	SR
Field Duplicates	SR
Field Triplicates	N
Field Blanks	A

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 218.6 **Matrix: WATER**

Sample ID: CH-SWSD001-SW01 **Collected:** 6/8/2017 11:20:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Hexavalent Chromium [Cr (VI)]	0.068	J	0.10	LOD	0.10	LOQ	ug/L	J	Rl

Sample ID: CH-SWSD140-SW01 **Collected:** 6/7/2017 8:30:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Hexavalent Chromium [Cr (VI)]	0.18		0.10	LOD	0.10	LOQ	ug/L	J	Ld

Method Category: METALS

Method: 6020A **Matrix: WATER**

Sample ID: CH-SWSD001-SW01 **Collected:** 6/8/2017 11:20:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.14	J	0.25	LOD	1.0	LOQ	ug/L	J	Rl
CHROMIUM	0.93	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
COBALT	0.51	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
COPPER	0.63	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	0.72	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
VANADIUM	0.89	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
ZINC	7.0	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl

Sample ID: CH-SWSD002-SW01 **Collected:** 6/8/2017 11:00:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.16	J	0.25	LOD	1.0	LOQ	ug/L	J	Rl
CHROMIUM	0.83	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
COBALT	0.55	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
COPPER	0.74	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	0.35	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
NICKEL	1.3	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
ZINC	12.9	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD002-SW01-F** ***Collected:*** **6/8/2017 11:00:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.16	J	0.25	LOD	1.0	LOQ	ug/L	J	RI
CHROMIUM	0.97	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
COBALT	0.53	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
LEAD	0.37	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	1.3	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
ZINC	17.4	J	7.5	LOD	30.0	LOQ	ug/L	J	RI

Sample ID: **CH-SWSD003-SW01** ***Collected:*** **6/8/2017 10:40:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.16	J	0.25	LOD	1.0	LOQ	ug/L	J	RI
CHROMIUM	1.2	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
COBALT	0.57	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
COPPER	0.64	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
LEAD	0.39	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	1.3	J	2.0	LOD	4.0	LOQ	ug/L	J	RI

Sample ID: **CH-SWSD016-SW01** ***Collected:*** **6/8/2017 10:15:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.15	J	0.25	LOD	1.0	LOQ	ug/L	J	RI
CHROMIUM	0.68	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
COBALT	0.45	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
COPPER	0.66	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
LEAD	0.27	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
VANADIUM	0.82	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
ZINC	8.3	J	7.5	LOD	30.0	LOQ	ug/L	J	RI

Sample ID: **CH-SWSD017-SW01** ***Collected:*** **6/8/2017 9:55:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.16	J	0.25	LOD	1.0	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD017-SW01** ***Collected:*** **6/8/2017 9:55:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	0.69	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
COBALT	0.51	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
LEAD	0.26	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	0.89	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
ZINC	7.4	J	7.5	LOD	30.0	LOQ	ug/L	J	RI

Sample ID: **CH-SWSD018-SW01** ***Collected:*** **6/8/2017 9:30:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.16	J	0.25	LOD	1.0	LOQ	ug/L	J	RI
CHROMIUM	0.66	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
COBALT	0.46	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
COPPER	0.55	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
LEAD	0.23	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	1.2	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
VANADIUM	0.80	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
ZINC	8.1	J	7.5	LOD	30.0	LOQ	ug/L	J	RI

Sample ID: **CH-SWSD019-SW01** ***Collected:*** **6/8/2017 1:15:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.19	J	0.25	LOD	1.0	LOQ	ug/L	J	RI
CHROMIUM	0.63	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
COBALT	0.75	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
IRON	166	J	100	LOD	200	LOQ	ug/L	J	RI
LEAD	0.14	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	1.2	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
VANADIUM	0.79	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
ZINC	8.5	J	7.5	LOD	30.0	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD020-SW01** ***Collected:*** **6/8/2017 1:00:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.21	J	0.25	LOD	1.0	LOQ	ug/L	J	RI
CHROMIUM	0.71	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
COBALT	0.63	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
COPPER	0.71	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
LEAD	0.16	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	0.94	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
ZINC	6.7	J	7.5	LOD	30.0	LOQ	ug/L	J	RI

Sample ID: **CH-SWSD021-SW01** ***Collected:*** **6/8/2017 2:15:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.16	J	0.25	LOD	1.0	LOQ	ug/L	J	RI
CHROMIUM	0.76	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
COBALT	0.58	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
COPPER	0.62	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
LEAD	0.19	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
ZINC	8.5	J	7.5	LOD	30.0	LOQ	ug/L	J	RI

Sample ID: **CH-SWSD022-SW01** ***Collected:*** **6/8/2017 2:30:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.11	J	0.25	LOD	1.0	LOQ	ug/L	J	RI
CHROMIUM	1.4	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
COBALT	0.29	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
COPPER	0.79	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
LEAD	0.28	J	0.25	LOD	2.0	LOQ	ug/L	J	RI

Sample ID: **CH-SWSD023-SW01** ***Collected:*** **6/8/2017 1:40:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	1.3	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
COPPER	0.81	J	1.0	LOD	4.0	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD023-SW01** ***Collected:*** **6/8/2017 1:40:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
IRON	178	J	100	LOD	200	LOQ	ug/L	J	Rl
LEAD	0.23	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
ZINC	25.1	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl

Sample ID: **CH-SWSD027-SW01** ***Collected:*** **6/7/2017 2:10:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	Lcs
ARSENIC	0.91	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
BERYLLIUM	0.11	J	0.25	LOD	1.0	LOQ	ug/L	J	Rl
CHROMIUM	1.6	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
COBALT	0.89	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
COPPER	1.1	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	1.1	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
NICKEL	1.9	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
ZINC	25.5	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl

Sample ID: **CH-SWSD028-SW01** ***Collected:*** **6/7/2017 2:25:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	Lcs
ARSENIC	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
CHROMIUM	1.3	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
COBALT	0.81	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
COPPER	1.2	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	1.2	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
NICKEL	2.0	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
ZINC	27.8	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD029-SW01** ***Collected:*** **6/7/2017 2:45:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
CHROMIUM	1.5	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
COBALT	0.67	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
COPPER	1.3	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl, Ld
LEAD	1.3	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
MANGANESE	73.2		2.0	LOD	4.0	LOQ	ug/L	J-	Ms
NICKEL	1.3	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl, Ld
ZINC	31.2		7.5	LOD	30.0	LOQ	ug/L	J	Ld

Sample ID: **CH-SWSD030-SW01** ***Collected:*** **6/7/2017 3:00:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	Lcs
ARSENIC	1.5	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
CHROMIUM	1.6	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
COBALT	0.42	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
COPPER	1.2	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	1.4	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
NICKEL	1.5	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
ZINC	27.8	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl

Sample ID: **CH-SWSD098-SW01** ***Collected:*** **6/7/2017 5:00:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.5	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
BERYLLIUM	0.18	J	0.25	LOD	1.0	LOQ	ug/L	J	Rl
CADMIUM	0.35	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
CHROMIUM	1.8	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
NICKEL	3.1	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
SELENIUM	0.92	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD098-SW01-F** ***Collected:*** **6/7/2017 5:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	0.78	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
COPPER	1.4	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
LEAD	0.35	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	0.87	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
ZINC	4.5	J	7.5	LOD	30.0	LOQ	ug/L	J	RI

Sample ID: **CH-SWSD099-SW01** ***Collected:*** **6/7/2017 4:25:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	0.81	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
COBALT	0.99	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
COPPER	1.3	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
LEAD	0.44	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	1.0	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
ZINC	5.8	J	7.5	LOD	30.0	LOQ	ug/L	J	RI

Sample ID: **CH-SWSD100-SW01** ***Collected:*** **6/7/2017 4:10:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	0.87	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
COBALT	0.37	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
COPPER	1.3	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
LEAD	0.40	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	1.2	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
ZINC	3.8	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, Fd

Sample ID: **CH-SWSD100-SW01D** ***Collected:*** **6/7/2017 4:10:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	0.97	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
COBALT	0.37	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
COPPER	1.3	J	1.0	LOD	4.0	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD100-SW01D** ***Collected:*** **6/7/2017 4:10:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
LEAD	0.45	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
NICKEL	1.4	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
ZINC	5.6	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl, Fd

Sample ID: **CH-SWSD126-SW01** ***Collected:*** **6/7/2017 1:30:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	Lcs
ARSENIC	0.68	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
CHROMIUM	1.2	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
COBALT	0.40	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
COPPER	1.1	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	1.5	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
NICKEL	1.8	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
POTASSIUM	221	J	200	LOD	400	LOQ	ug/L	J	Rl
ZINC	25.8	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl

Sample ID: **CH-SWSD127-SW01** ***Collected:*** **6/7/2017 1:15:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	Lcs
CHROMIUM	0.97	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
COBALT	0.32	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
COPPER	0.79	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	1.1	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
MANGANESE	7.3		2.0	LOD	4.0	LOQ	ug/L	U	Mb
NICKEL	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
ZINC	17.2	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD128-SW01** ***Collected:*** **6/7/2017 1:00:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	Lcs
CHROMIUM	0.90	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
COBALT	0.23	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
COPPER	0.70	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	0.97	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
MANGANESE	7.2		2.0	LOD	4.0	LOQ	ug/L	U	Mb
ZINC	14.1	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl

Sample ID: **CH-SWSD129-SW01** ***Collected:*** **6/7/2017 11:55:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	Lcs
CHROMIUM	0.74	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
COBALT	0.21	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
COPPER	0.57	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	0.95	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
MANGANESE	6.3		2.0	LOD	4.0	LOQ	ug/L	U	Mb
ZINC	12.6	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl

Sample ID: **CH-SWSD129-SW01D** ***Collected:*** **6/7/2017 11:55:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	Lcs
CHROMIUM	1.0	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
COBALT	0.25	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
COPPER	0.66	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	0.94	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
MANGANESE	5.7		2.0	LOD	4.0	LOQ	ug/L	U	Mb
ZINC	13.1	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD130-SW01** ***Collected:*** **6/7/2017 11:45:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	Lcs
CHROMIUM	0.93	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
COPPER	0.72	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	0.99	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
MANGANESE	5.7		2.0	LOD	4.0	LOQ	ug/L	U	Mb
ZINC	11.9	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl

Sample ID: **CH-SWSD131-SW01** ***Collected:*** **6/7/2017 11:30:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	Lcs
CHROMIUM	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
COPPER	0.75	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	0.96	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
NICKEL	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
ZINC	13.1	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl

Sample ID: **CH-SWSD132-SW01** ***Collected:*** **6/7/2017 11:00:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	Lcs
CHROMIUM	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
COBALT	0.23	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
COPPER	0.61	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	0.92	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
MANGANESE	6.5		2.0	LOD	4.0	LOQ	ug/L	U	Mb
ZINC	12.5	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl

Sample ID: **CH-SWSD133-SW01** ***Collected:*** **6/7/2017 10:45:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	Lcs

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** WATER

Sample ID: CH-SWSD133-SW01 **Collected:** 6/7/2017 10:45:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	0.73	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
COBALT	0.29	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
LEAD	0.93	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
MANGANESE	6.6		2.0	LOD	4.0	LOQ	ug/L	U	Mb
ZINC	12.5	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl

Sample ID: CH-SWSD134-SW01 **Collected:** 6/7/2017 10:20:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	Lcs
CHROMIUM	1.2	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
COBALT	0.21	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
COPPER	0.69	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	1.1	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
MANGANESE	6.2		2.0	LOD	4.0	LOQ	ug/L	U	Mb
NICKEL	0.93	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
ZINC	10.1	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl

Sample ID: CH-SWSD135-SW01 **Collected:** 6/7/2017 10:15:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	Lcs
CHROMIUM	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
COBALT	0.22	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
COPPER	0.75	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	1.1	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
MANGANESE	6.1		2.0	LOD	4.0	LOQ	ug/L	U	Mb
VANADIUM	1.4		0.50	LOD	1.0	LOQ	ug/L	J	Fd
ZINC	10.7	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD135-SW01D** ***Collected:*** **6/7/2017 10:15:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	Lcs
CHROMIUM	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
COBALT	0.21	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
COPPER	0.65	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	1.1	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
MANGANESE	6.3		2.0	LOD	4.0	LOQ	ug/L	U	Mb
VANADIUM	1.0		0.50	LOD	1.0	LOQ	ug/L	J	Fd
ZINC	9.1	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl

Sample ID: **CH-SWSD136-SW01** ***Collected:*** **6/7/2017 10:05:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	Lcs
CHROMIUM	0.94	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
COBALT	0.25	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
COPPER	0.72	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	1.0	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
ZINC	11.6	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl

Sample ID: **CH-SWSD137-SW01** ***Collected:*** **6/7/2017 9:50:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	Lcs
CHROMIUM	0.96	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
COPPER	0.59	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	1.2	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
MANGANESE	6.3		2.0	LOD	4.0	LOQ	ug/L	U	Mb
ZINC	12.4	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD138-SW01** ***Collected:*** **6/7/2017 9:20:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	Lcs
CHROMIUM	0.79	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
COBALT	0.30	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
COPPER	0.77	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	0.94	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
MANGANESE	5.6		2.0	LOD	4.0	LOQ	ug/L	U	Mb
ZINC	14.2	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl

Sample ID: **CH-SWSD139-SW01** ***Collected:*** **6/7/2017 8:50:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	Lcs
CHROMIUM	0.91	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
COBALT	0.34	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
COPPER	0.74	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	1.0	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
MANGANESE	7.0		2.0	LOD	4.0	LOQ	ug/L	U	Mb
ZINC	14.6	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl

Sample ID: **CH-SWSD140-SW01** ***Collected:*** **6/7/2017 8:30:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	Lcs
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	Ld
CHROMIUM	1.2	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
COBALT	0.26	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
COPPER	0.68	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	0.99	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
MANGANESE	6.6		2.0	LOD	4.0	LOQ	ug/L	U	Mb
NICKEL	1.0	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl, Ld
ZINC	11.0	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7470A **Matrix: WATER**

Sample ID: CH-SWSD098-SW01 **Collected:** 6/7/2017 5:00:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.080	J	0.10	LOD	0.20	LOQ	ug/L	J	Rl

Sample ID: CH-SWSD127-SW01 **Collected:** 6/7/2017 1:15:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.057	J	0.10	LOD	0.20	LOQ	ug/L	J	Rl

Sample ID: CH-SWSD135-SW01 **Collected:** 6/7/2017 10:15:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.10	U	0.10	LOD	0.20	LOQ	ug/L	UJ	Fd

Sample ID: CH-SWSD135-SW01D **Collected:** 6/7/2017 10:15:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.055	J	0.10	LOD	0.20	LOQ	ug/L	J	Rl, Fd

Method Category: METALS

Method: Calculation **Matrix: WATER**

Sample ID: CH-SWSD001-SW01 **Collected:** 6/8/2017 11:20:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	0.86	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl

Sample ID: CH-SWSD002-SW01 **Collected:** 6/8/2017 11:00:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	0.72	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: Calculation **Matrix:** WATER

Sample ID: CH-SWSD002-SW01-F **Collected:** 6/8/2017 11:00:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	0.79	J	2.0	LOD	4.0	LOQ	ug/L	J	RI

Sample ID: CH-SWSD003-SW01 **Collected:** 6/8/2017 10:40:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	1.0	J	2.0	LOD	4.0	LOQ	ug/L	J	RI

Sample ID: CH-SWSD022-SW01 **Collected:** 6/8/2017 2:30:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	0.59	J	2.0	LOD	4.0	LOQ	ug/L	J	RI

Sample ID: CH-SWSD027-SW01 **Collected:** 6/7/2017 2:10:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI

Sample ID: CH-SWSD028-SW01 **Collected:** 6/7/2017 2:25:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	0.91	J	2.0	LOD	4.0	LOQ	ug/L	J	RI

Sample ID: CH-SWSD029-SW01 **Collected:** 6/7/2017 2:45:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI

Sample ID: CH-SWSD030-SW01 **Collected:** 6/7/2017 3:00:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: Calculation **Matrix: WATER**

Sample ID: CH-SWSD100-SW01 **Collected:** 6/7/2017 4:10:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	0.70	J	2.0	LOD	4.0	LOQ	ug/L	J	RI

Sample ID: CH-SWSD100-SW01D **Collected:** 6/7/2017 4:10:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	0.85	J	2.0	LOD	4.0	LOQ	ug/L	J	RI

Sample ID: CH-SWSD140-SW01 **Collected:** 6/7/2017 8:30:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	0.98	J	2.0	LOD	4.0	LOQ	ug/L	J	RI

Method Category: SVOA

Method: 8270D **Matrix: WATER**

Sample ID: CH-SWSD001-SW01 **Collected:** 6/8/2017 11:20:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD001-SW01 **Collected:** 6/8/2017 11:20:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD002-SW01 **Collected:** 6/8/2017 11:00:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD002-SW01-F **Collected:** 6/8/2017 11:00:00 AM **Analysis Type:** Initial/DIS-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD002-SW01-F **Collected:** 6/8/2017 11:00:00 AM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD003-SW01 **Collected:** 6/8/2017 10:40:00 AM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.0	U	1.0	LOD	1.0	LOQ	ug/L	UJ	Surr
4-CHLORO-3-METHYLPHENOL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	UJ	Surr
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/L	UJ	Surr

Sample ID: CH-SWSD003-SW01 **Collected:** 6/8/2017 10:40:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD003-SW01 **Collected:** 6/8/2017 10:40:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD003-SW01-X **Collected:** 6/8/2017 10:40:00 AM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	4.0	U	4.0	LOD	4.0	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: CH-SWSD003-SW01-X **Collected:** 6/8/2017 10:40:00 AM **Analysis Type:** Reanalysis-01/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: CH-SWSD003-SW01-X **Collected:** 6/8/2017 10:40:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD003-SW01-X** ***Collected:*** **6/8/2017 10:40:00 AM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
BENZALDEHYDE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	StoE, ProfJudg
Butyl benzyl phthalate	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	StoE, ProfJudg
CAPROLACTAM	15	U	15	LOD	15	LOQ	ug/L	NP	StoE, ProfJudg
CARBAZOLE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZOFURAN	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
DIETHYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	StoE, ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD016-SW01 **Collected:** 6/8/2017 10:15:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.11	J	0.40	LOD	0.50	LOQ	ug/L	NP	RI, ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD017-SW01 **Collected:** 6/8/2017 9:55:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD017-SW01 **Collected:** 6/8/2017 9:55:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD017-SW01-X **Collected:** 6/8/2017 9:55:00 AM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	4.0	U	4.0	LOD	4.0	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: CH-SWSD017-SW01-X **Collected:** 6/8/2017 9:55:00 AM **Analysis Type:** Reanalysis-01/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: CH-SWSD017-SW01-X **Collected:** 6/8/2017 9:55:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD017-SW01-X** ***Collected:*** **6/8/2017 9:55:00 AM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
BENZALDEHYDE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	StoE, ProfJudg
Butyl benzyl phthalate	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	StoE, ProfJudg
CAPROLACTAM	15	U	15	LOD	15	LOQ	ug/L	NP	StoE, ProfJudg
CARBAZOLE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZOFURAN	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
DIETHYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	StoE, ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: **CH-SWSD018-SW01** ***Collected:*** **6/8/2017 9:30:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD018-SW01** ***Collected:*** **6/8/2017 9:30:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

Sample ID: **CH-SWSD019-SW01** ***Collected:*** **6/8/2017 1:15:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD019-SW01 **Collected:** 6/8/2017 1:15:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD020-SW01 **Collected:** 6/8/2017 1:00:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD021-SW01 **Collected:** 6/8/2017 2:15:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD021-SW01 **Collected:** 6/8/2017 2:15:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD021-SW01-X **Collected:** 6/8/2017 2:15:00 PM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	4.0	U	4.0	LOD	4.0	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: CH-SWSD021-SW01-X **Collected:** 6/8/2017 2:15:00 PM **Analysis Type:** Reanalysis-01/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/L	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD021-SW01-X** ***Collected:*** **6/8/2017 2:15:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1,4-DICHLOROBENZENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
BENZALDEHYDE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	StoE, ProfJudg
Butyl benzyl phthalate	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	StoE, ProfJudg
CAPROLACTAM	15	U	15	LOD	15	LOQ	ug/L	NP	StoE, ProfJudg
CARBAZOLE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZOFURAN	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
DIETHYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	StoE, ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD022-SW01** ***Collected:*** **6/8/2017 2:30:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: **CH-SWSD022-SW01-X** ***Collected:*** **6/8/2017 2:30:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	4.0	U	4.0	LOD	4.0	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: **CH-SWSD022-SW01-X** ***Collected:*** **6/8/2017 2:30:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT-ACID** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/L	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD022-SW01-X** ***Collected:*** **6/8/2017 2:30:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1,4-DICHLOROBENZENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	Surr, StoE, ProfJudg
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, StoE, ProfJudg
2-CHLORONAPHTHALENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	Surr, StoE, ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, StoE, ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, StoE, ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, StoE, ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, StoE, ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, StoE, ProfJudg
BENZALDEHYDE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	Surr, StoE, ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, StoE, ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	Surr, StoE, ProfJudg
Butyl benzyl phthalate	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	Surr, StoE, ProfJudg
CAPROLACTAM	15	U	15	LOD	15	LOQ	ug/L	NP	Surr, StoE, ProfJudg
CARBAZOLE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	Surr, StoE, ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, StoE, ProfJudg
DIBENZOFURAN	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	Surr, StoE, ProfJudg
DIETHYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	Surr, StoE, ProfJudg
DIMETHYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	Surr, StoE, ProfJudg
DI-N-BUTYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	Surr, StoE, ProfJudg
DI-N-OCTYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	Surr, StoE, ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD022-SW01-X** ***Collected:*** **6/8/2017 2:30:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, StoE, ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	Surr, StoE, ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, StoE, ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, StoE, ProfJudg

Sample ID: **CH-SWSD023-SW01** ***Collected:*** **6/8/2017 1:40:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD023-SW01-X** ***Collected:*** **6/8/2017 1:40:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	4.0	U	4.0	LOD	4.0	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: **CH-SWSD023-SW01-X** ***Collected:*** **6/8/2017 1:40:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT-ACID** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: **CH-SWSD023-SW01-X** ***Collected:*** **6/8/2017 1:40:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
BENZALDEHYDE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	StoE, ProfJudg
Butyl benzyl phthalate	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	StoE, ProfJudg
CAPROLACTAM	15	U	15	LOD	15	LOQ	ug/L	NP	StoE, ProfJudg
CARBAZOLE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD023-SW01-X** ***Collected:*** **6/8/2017 1:40:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZOFURAN	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
DIETHYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	StoE, ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: **CH-SWSD027-SW01** ***Collected:*** **6/7/2017 2:10:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD027-SW01 **Collected:** 6/7/2017 2:10:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD028-SW01 **Collected:** 6/7/2017 2:25:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD029-SW01 **Collected:** 6/7/2017 2:45:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD029-SW01** ***Collected:*** **6/7/2017 2:45:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: **CH-SWSD030-SW01** ***Collected:*** **6/7/2017 3:00:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.10	J	0.20	LOD	0.50	LOQ	ug/L	NP	RI, ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD030-SW01** ***Collected:*** **6/7/2017 3:00:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

Sample ID: **CH-SWSD030-SW01-X** ***Collected:*** **6/7/2017 3:00:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	4.0	U	4.0	LOD	4.0	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: **CH-SWSD030-SW01-X** ***Collected:*** **6/7/2017 3:00:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT-ACID** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: **CH-SWSD030-SW01-X** ***Collected:*** **6/7/2017 3:00:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BENZALDEHYDE	4.0	U	4.0	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD030-SW01-X **Collected:** 6/7/2017 3:00:00 PM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	4.0	U	4.0	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
Butyl benzyl phthalate	4.0	U	4.0	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
CAPROLACTAM	15	U	15	LOD	15	LOQ	ug/L	NP	StoE, ProfJudg
CARBAZOLE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZOFURAN	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
DIETHYL PHTHALATE	4.0	U	4.0	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	4.0	U	4.0	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	4.0	U	4.0	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	4.0	U	4.0	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: CH-SWSD098-SW01 **Collected:** 6/7/2017 5:00:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.17	J	0.20	LOD	0.50	LOQ	ug/L	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.53		0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.41	J	0.20	LOD	0.50	LOQ	ug/L	NP	RI, ProfJudg
BENZO(A)PYRENE	0.57		0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD098-SW01** ***Collected:*** **6/7/2017 5:00:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
BENZO(B)FLUORANTHENE	1.3		0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.49	J	0.20	LOD	0.50	LOQ	ug/L	NP	Rl, ProfJudg
CHRYSENE	1.4		0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	2.5		0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.39	J	0.20	LOD	0.50	LOQ	ug/L	NP	Rl, ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.87		0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PYRENE	2.0		0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

Sample ID: **CH-SWSD098-SW01-F** ***Collected:*** **6/7/2017 5:00:00 PM** ***Analysis Type:*** **Initial/DIS-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD099-SW01** ***Collected:*** **6/7/2017 4:25:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

Sample ID: **CH-SWSD100-SW01** ***Collected:*** **6/7/2017 4:10:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD100-SW01 **Collected:** 6/7/2017 4:10:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD100-SW01D **Collected:** 6/7/2017 4:10:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD126-SW01** ***Collected:*** **6/7/2017 1:30:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: **CH-SWSD127-SW01** ***Collected:*** **6/7/2017 1:15:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.11	J	0.21	LOD	0.52	LOQ	ug/L	NP	RI, ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD127-SW01 **Collected:** 6/7/2017 1:15:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.52	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD128-SW01 **Collected:** 6/7/2017 1:00:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.42	U	0.42	LOD	0.52	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD129-SW01** ***Collected:*** **6/7/2017 11:55:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: **CH-SWSD129-SW01D** ***Collected:*** **6/7/2017 11:55:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD129-SW01D **Collected:** 6/7/2017 11:55:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD130-SW01 **Collected:** 6/7/2017 11:45:00 AM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.0	U	1.0	LOD	1.0	LOQ	ug/L	UJ	Surr
4-CHLORO-3-METHYLPHENOL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	UJ	Surr
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/L	UJ	Surr

Sample ID: CH-SWSD130-SW01 **Collected:** 6/7/2017 11:45:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	UJ	Surr
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, ProfJudg
2-CHLORONAPHTHALENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	UJ	Surr
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, ProfJudg
BENZALDEHYDE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	UJ	Surr
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD130-SW01 **Collected:** 6/7/2017 11:45:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BIS(2-ETHYLHEXYL) PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	UJ	Surr
Butyl benzyl phthalate	4.0	U	4.0	LOD	5.0	LOQ	ug/L	UJ	Surr
CAPROLACTAM	15	U	15	LOD	15	LOQ	ug/L	UJ	Surr
CARBAZOLE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	UJ	Surr
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, ProfJudg
DIBENZOFURAN	1.0	U	1.0	LOD	1.0	LOQ	ug/L	UJ	Surr
DIETHYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	UJ	Surr
DIMETHYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	UJ	Surr
DI-N-BUTYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	UJ	Surr
DI-N-OCTYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	UJ	Surr
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	Surr, ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, ProfJudg

Sample ID: CH-SWSD130-SW01-X **Collected:** 6/7/2017 11:45:00 AM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	1.1	U	1.1	LOD	1.1	LOQ	ug/L	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	1.1	U	1.1	LOD	1.1	LOQ	ug/L	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	4.3	U	4.3	LOD	4.3	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: CH-SWSD130-SW01-X **Collected:** 6/7/2017 11:45:00 AM **Analysis Type:** Reanalysis-01/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.1	U	1.1	LOD	1.1	LOQ	ug/L	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	1.1	U	1.1	LOD	1.1	LOQ	ug/L	NP	StoE, ProfJudg
BENZOIC ACID	16	U	16	LOD	16	LOQ	ug/L	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD130-SW01-X** ***Collected:*** **6/7/2017 11:45:00 AM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1,4-DICHLOROBENZENE	1.1	U	1.1	LOD	1.1	LOQ	ug/L	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	1.1	U	1.1	LOD	1.1	LOQ	ug/L	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHENE	0.11	J	0.22	LOD	0.54	LOQ	ug/L	NP	RI, StoE, ProfJudg
ACENAPHTHYLENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	StoE, ProfJudg
ANTHRACENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	StoE, ProfJudg
BENZALDEHYDE	4.3	U	4.3	LOD	5.4	LOQ	ug/L	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	4.3	U	4.3	LOD	5.4	LOQ	ug/L	NP	StoE, ProfJudg
Butyl benzyl phthalate	4.3	U	4.3	LOD	5.4	LOQ	ug/L	NP	StoE, ProfJudg
CAPROLACTAM	16	U	16	LOD	16	LOQ	ug/L	NP	StoE, ProfJudg
CARBAZOLE	1.1	U	1.1	LOD	1.1	LOQ	ug/L	NP	StoE, ProfJudg
CHRYSENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZOFURAN	1.1	U	1.1	LOD	1.1	LOQ	ug/L	NP	StoE, ProfJudg
DIETHYL PHTHALATE	4.3	U	4.3	LOD	5.4	LOQ	ug/L	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	4.3	U	4.3	LOD	5.4	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	4.3	U	4.3	LOD	5.4	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	4.3	U	4.3	LOD	5.4	LOQ	ug/L	NP	StoE, ProfJudg
FLUORANTHENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	StoE, ProfJudg
FLUORENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	StoE, ProfJudg
NAPHTHALENE	0.43	U	0.43	LOD	0.54	LOQ	ug/L	NP	StoE, ProfJudg
PHENANTHRENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	StoE, ProfJudg
PYRENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD131-SW01 **Collected:** 6/7/2017 11:30:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD132-SW01 **Collected:** 6/7/2017 11:00:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.11	J	0.20	LOD	0.51	LOQ	ug/L	NP	RI, ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD132-SW01 **Collected:** 6/7/2017 11:00:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD132-SW01-X **Collected:** 6/7/2017 11:00:00 AM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	4.0	U	4.0	LOD	4.0	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: CH-SWSD132-SW01-X **Collected:** 6/7/2017 11:00:00 AM **Analysis Type:** Reanalysis-01/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: CH-SWSD132-SW01-X **Collected:** 6/7/2017 11:00:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.54		0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.75		0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHENE	0.21	J	0.20	LOD	0.51	LOQ	ug/L	NP	RI, StoE, ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD132-SW01-X **Collected:** 6/7/2017 11:00:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.23	J	0.20	LOD	0.51	LOQ	ug/L	NP	RI, StoE, ProfJudg
BENZALDEHYDE	4.0	U	4.0	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.21	J	0.20	LOD	0.51	LOQ	ug/L	NP	RI, StoE, ProfJudg
BENZO(A)PYRENE	0.28	J	0.20	LOD	0.51	LOQ	ug/L	NP	RI, StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.41	J	0.20	LOD	0.51	LOQ	ug/L	NP	RI, StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.11	J	0.20	LOD	0.51	LOQ	ug/L	NP	RI, StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	4.0	U	4.0	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
Butyl benzyl phthalate	4.0	U	4.0	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
CAPROLACTAM	15	U	15	LOD	15	LOQ	ug/L	NP	StoE, ProfJudg
CARBAZOLE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
CHRYSENE	0.23	J	0.20	LOD	0.51	LOQ	ug/L	NP	RI, StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZOFURAN	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
DIETHYL PHTHALATE	4.0	U	4.0	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	4.0	U	4.0	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	4.0	U	4.0	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	4.0	U	4.0	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
FLUORANTHENE	0.41	J	0.20	LOD	0.51	LOQ	ug/L	NP	RI, StoE, ProfJudg
FLUORENE	0.17	J	0.20	LOD	0.51	LOQ	ug/L	NP	RI, StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	J	0.20	LOD	0.51	LOQ	ug/L	NP	RI, StoE, ProfJudg
NAPHTHALENE	0.11	J	0.40	LOD	0.51	LOQ	ug/L	NP	RI, StoE, ProfJudg
PHENANTHRENE	0.57		0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
PYRENE	0.43	J	0.20	LOD	0.51	LOQ	ug/L	NP	RI, StoE, ProfJudg

Sample ID: CH-SWSD133-SW01 **Collected:** 6/7/2017 10:45:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD133-SW01 **Collected:** 6/7/2017 10:45:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD133-SW01-X **Collected:** 6/7/2017 10:45:00 AM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	4.1	U	4.1	LOD	4.1	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: CH-SWSD133-SW01-X **Collected:** 6/7/2017 10:45:00 AM **Analysis Type:** Reanalysis-01/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/L	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD133-SW01-X** ***Collected:*** **6/7/2017 10:45:00 AM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1,4-DICHLOROBENZENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BENZALDEHYDE	4.1	U	4.1	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	4.1	U	4.1	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
Butyl benzyl phthalate	4.1	U	4.1	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
CAPROLACTAM	15	U	15	LOD	15	LOQ	ug/L	NP	StoE, ProfJudg
CARBAZOLE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZOFURAN	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
DIETHYL PHTHALATE	4.1	U	4.1	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	4.1	U	4.1	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	4.1	U	4.1	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	4.1	U	4.1	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD134-SW01 **Collected:** 6/7/2017 10:20:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD134-SW01-X **Collected:** 6/7/2017 10:20:00 AM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	4.1	U	4.1	LOD	4.1	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: CH-SWSD134-SW01-X **Collected:** 6/7/2017 10:20:00 AM **Analysis Type:** Reanalysis-01/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/L	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD134-SW01-X** ***Collected:*** **6/7/2017 10:20:00 AM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1,4-DICHLOROBENZENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BENZALDEHYDE	4.1	U	4.1	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	4.1	U	4.1	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
Butyl benzyl phthalate	4.1	U	4.1	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
CAPROLACTAM	15	U	15	LOD	15	LOQ	ug/L	NP	StoE, ProfJudg
CARBAZOLE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZOFURAN	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
DIETHYL PHTHALATE	4.1	U	4.1	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	4.1	U	4.1	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	4.1	U	4.1	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	4.1	U	4.1	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD135-SW01 **Collected:** 6/7/2017 10:15:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.10	J	0.41	LOD	0.51	LOQ	ug/L	NP	RI, Fd, ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD135-SW01D **Collected:** 6/7/2017 10:15:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD135-SW01D **Collected:** 6/7/2017 10:15:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	Fd, ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD135-SW01D-X **Collected:** 6/7/2017 10:15:00 AM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	4.1	U	4.1	LOD	4.1	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: CH-SWSD135-SW01D-X **Collected:** 6/7/2017 10:15:00 AM **Analysis Type:** Reanalysis-01/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: CH-SWSD135-SW01D-X **Collected:** 6/7/2017 10:15:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD135-SW01D-X **Collected:** 6/7/2017 10:15:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BENZALDEHYDE	4.1	U	4.1	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	4.1	U	4.1	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
Butyl benzyl phthalate	4.1	U	4.1	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
CAPROLACTAM	15	U	15	LOD	15	LOQ	ug/L	NP	StoE, ProfJudg
CARBAZOLE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZOFURAN	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
DIETHYL PHTHALATE	4.1	U	4.1	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	4.1	U	4.1	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	4.1	U	4.1	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	4.1	U	4.1	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: CH-SWSD135-SW01-X **Collected:** 6/7/2017 10:15:00 AM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	4.0	U	4.0	LOD	4.0	LOQ	ug/L	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD135-SW01-X **Collected:** 6/7/2017 10:15:00 AM **Analysis Type:** Reanalysis-01/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: CH-SWSD135-SW01-X **Collected:** 6/7/2017 10:15:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BENZALDEHYDE	4.0	U	4.0	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	4.0	U	4.0	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
Butyl benzyl phthalate	4.0	U	4.0	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
CAPROLACTAM	15	U	15	LOD	15	LOQ	ug/L	NP	StoE, ProfJudg
CARBAZOLE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZOFURAN	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
DIETHYL PHTHALATE	4.0	U	4.0	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	4.0	U	4.0	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	4.0	U	4.0	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	4.0	U	4.0	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD135-SW01-X **Collected:** 6/7/2017 10:15:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: CH-SWSD136-SW01 **Collected:** 6/7/2017 10:05:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-SWSD137-SW01 **Collected:** 6/7/2017 9:50:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD137-SW01** ***Collected:*** **6/7/2017 9:50:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.10	J	0.20	LOD	0.51	LOQ	ug/L	NP	RI, ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: **CH-SWSD138-SW01** ***Collected:*** **6/7/2017 9:20:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.18	J	0.20	LOD	0.51	LOQ	ug/L	NP	RI, ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD138-SW01** ***Collected:*** **6/7/2017 9:20:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: **CH-SWSD139-SW01** ***Collected:*** **6/7/2017 8:50:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.18	J	0.20	LOD	0.51	LOQ	ug/L	NP	RI, ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD140-SW01** ***Collected:*** **6/7/2017 8:30:00 AM** ***Analysis Type:*** **Initial/TOT-ACID** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.0	U	1.0	LOD	1.0	LOQ	ug/L	UJ	Surr
4-CHLORO-3-METHYLPHENOL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	UJ	Surr
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/L	UJ	Surr

Sample ID: **CH-SWSD140-SW01** ***Collected:*** **6/7/2017 8:30:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	UJ	Surr
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, ProfJudg
2-CHLORONAPHTHALENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	UJ	Surr
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, ProfJudg
BENZALDEHYDE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	UJ	Surr
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	UJ	Surr
Butyl benzyl phthalate	4.0	U	4.0	LOD	5.0	LOQ	ug/L	UJ	Surr
CAPROLACTAM	15	U	15	LOD	15	LOQ	ug/L	UJ	Surr
CARBAZOLE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	UJ	Surr
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, ProfJudg
DIBENZOFURAN	1.0	U	1.0	LOD	1.0	LOQ	ug/L	UJ	Surr
DIETHYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	UJ	Surr
DIMETHYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	UJ	Surr
DI-N-BUTYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	UJ	Surr
DI-N-OCTYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	UJ	Surr
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD140-SW01** ***Collected:*** **6/7/2017 8:30:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	Surr, ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Surr, ProfJudg

Sample ID: **CH-SWSD140-SW01-X** ***Collected:*** **6/7/2017 8:30:00 AM** ***Analysis Type:*** **Reanalysis-01/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	4.0	U	4.0	LOD	4.0	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: **CH-SWSD140-SW01-X** ***Collected:*** **6/7/2017 8:30:00 AM** ***Analysis Type:*** **Reanalysis-01/TOT-ACID** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: **CH-SWSD140-SW01-X** ***Collected:*** **6/7/2017 8:30:00 AM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHENE	0.23	J	0.20	LOD	0.51	LOQ	ug/L	NP	RI, StoE, ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BENZALDEHYDE	4.0	U	4.0	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD140-SW01-X** ***Collected:*** **6/7/2017 8:30:00 AM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	4.0	U	4.0	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
Butyl benzyl phthalate	4.0	U	4.0	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
CAPROLACTAM	15	U	15	LOD	15	LOQ	ug/L	NP	StoE, ProfJudg
CARBAZOLE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZOFURAN	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
DIETHYL PHTHALATE	4.0	U	4.0	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	4.0	U	4.0	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	4.0	U	4.0	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	4.0	U	4.0	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
FLUORENE	0.11	J	0.20	LOD	0.51	LOQ	ug/L	NP	RI, StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: **EB-060717-01** ***Collected:*** **6/7/2017 10:45:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.14	J	0.20	LOD	0.50	LOQ	ug/L	NP	RI, ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix: WATER**

Sample ID: EB-060717-01 **Collected:** 6/7/2017 10:45:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.48	J	0.40	LOD	0.50	LOQ	ug/L	NP	RI, ProfJudg
PHENANTHRENE	0.17	J	0.20	LOD	0.50	LOQ	ug/L	NP	RI, ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

Method Category: SVOA

Method: 8270D SIM **Matrix: WATER**

Sample ID: CH-SWSD002-SW01-F **Collected:** 6/8/2017 11:00:00 AM **Analysis Type:** Initial/DIS-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.013	J	0.040	LOD	0.051	LOQ	ug/L	J	RI

Sample ID: CH-SWSD003-SW01 **Collected:** 6/8/2017 10:40:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NAPHTHALENE	0.031	J	0.061	LOD	0.061	LOQ	ug/L	J	RI

Sample ID: CH-SWSD016-SW01 **Collected:** 6/8/2017 10:15:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.034	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
2-METHYLNAPHTHALENE	0.041	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
FLUORANTHENE	0.013	J	0.040	LOD	0.050	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-SWSD017-SW01 **Collected:** 6/8/2017 9:55:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.035	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
2-METHYLNAPHTHALENE	0.035	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
CHRYSENE	0.012	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
FLUORANTHENE	0.020	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
FLUORENE	0.048	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
PYRENE	0.014	J	0.040	LOD	0.050	LOQ	ug/L	J	RI

Sample ID: CH-SWSD018-SW01 **Collected:** 6/8/2017 9:30:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.029	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
2-METHYLNAPHTHALENE	0.033	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
FLUORANTHENE	0.020	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
FLUORENE	0.038	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
PYRENE	0.012	J	0.040	LOD	0.050	LOQ	ug/L	J	RI

Sample ID: CH-SWSD019-SW01 **Collected:** 6/8/2017 1:15:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.016	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
2-METHYLNAPHTHALENE	0.017	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
ACENAPHTHENE	0.045	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
BENZO(B)FLUORANTHENE	0.011	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
CHRYSENE	0.011	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
FLUORANTHENE	0.017	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
FLUORENE	0.019	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
PYRENE	0.011	J	0.041	LOD	0.051	LOQ	ug/L	J	RI

Sample ID: CH-SWSD020-SW01 **Collected:** 6/8/2017 1:00:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.014	J	0.041	LOD	0.051	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD020-SW01** ***Collected:*** **6/8/2017 1:00:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.015	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
ACENAPHTHENE	0.035	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
BENZO(B)FLUORANTHENE	0.012	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
CHRYSENE	0.011	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
FLUORANTHENE	0.016	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
FLUORENE	0.014	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
PYRENE	0.012	J	0.041	LOD	0.051	LOQ	ug/L	J	RI

Sample ID: **CH-SWSD021-SW01** ***Collected:*** **6/8/2017 2:15:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.027	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
2-METHYLNAPHTHALENE	0.036	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
BENZ(A)ANTHRACENE	0.014	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
BENZO(B)FLUORANTHENE	0.025	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
CHRYSENE	0.021	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
FLUORANTHENE	0.028	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
FLUORENE	0.024	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
NAPHTHALENE	0.058	J	0.061	LOD	0.061	LOQ	ug/L	J	RI
PYRENE	0.021	J	0.040	LOD	0.051	LOQ	ug/L	J	RI

Sample ID: **CH-SWSD022-SW01** ***Collected:*** **6/8/2017 2:30:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.012	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
BENZO(B)FLUORANTHENE	0.017	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
CHRYSENE	0.015	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
FLUORANTHENE	0.012	J	0.041	LOD	0.051	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD027-SW01** ***Collected:*** **6/7/2017 2:10:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.016	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
BENZO(B)FLUORANTHENE	0.019	J	0.040	LOD	0.050	LOQ	ug/L	J	RI, Lcs
BENZO(G,H,I)PERYLENE	0.012	J	0.040	LOD	0.050	LOQ	ug/L	J	RI, Lcs
CHRYSENE	0.022	J	0.040	LOD	0.050	LOQ	ug/L	J	RI, Lcs
FLUORANTHENE	0.020	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
PYRENE	0.015	J	0.040	LOD	0.050	LOQ	ug/L	J	RI

Sample ID: **CH-SWSD027-SW01-X** ***Collected:*** **6/7/2017 2:10:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
ANTHRACENE	0.015	J	0.041	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg
BENZ(A)ANTHRACENE	0.023	J	0.041	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg
BENZO(A)PYRENE	0.015	J	0.041	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.032	J	0.041	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg
BENZO(G,H,I)PERYLENE	0.020	J	0.041	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.020	J	0.041	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg
CHRYSENE	0.032	J	0.041	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.016	J	0.041	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg
FLUORANTHENE	0.033	J	0.041	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg
FLUORENE	0.030	J	0.041	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.021	J	0.041	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg
NAPHTHALENE	0.061	U	0.061	LOD	0.061	LOQ	ug/L	NP	StoE, ProfJudg
PHENANTHRENE	0.061	U	0.061	LOD	0.061	LOQ	ug/L	NP	StoE, ProfJudg
PYRENE	0.043	J	0.041	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD028-SW01** ***Collected:*** **6/7/2017 2:25:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.011	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
ACENAPHTHENE	0.013	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
BENZO(B)FLUORANTHENE	0.018	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
CHRYSENE	0.021	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
FLUORANTHENE	0.018	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
PYRENE	0.014	J	0.040	LOD	0.050	LOQ	ug/L	J	RI

Sample ID: **CH-SWSD029-SW01** ***Collected:*** **6/7/2017 2:45:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.014	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
2-METHYLNAPHTHALENE	0.020	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
ACENAPHTHENE	0.014	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
BENZ(A)ANTHRACENE	0.013	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
BENZO(B)FLUORANTHENE	0.024	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
BENZO(K)FLUORANTHENE	0.011	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
CHRYSENE	0.026	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
FLUORANTHENE	0.025	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
PYRENE	0.022	J	0.041	LOD	0.051	LOQ	ug/L	J	RI

Sample ID: **CH-SWSD030-SW01** ***Collected:*** **6/7/2017 3:00:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.011	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
2-METHYLNAPHTHALENE	0.012	J	0.040	LOD	0.050	LOQ	ug/L	U	Mb
ACENAPHTHENE	0.011	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
BENZ(A)ANTHRACENE	0.023	J	0.040	LOD	0.050	LOQ	ug/L	J	RI, Lcs
BENZO(A)PYRENE	0.040	J	0.040	LOD	0.050	LOQ	ug/L	J	RI, Lcs
BENZO(B)FLUORANTHENE	0.098		0.040	LOD	0.050	LOQ	ug/L	J+	Lcs
BENZO(G,H,I)PERYLENE	0.057		0.040	LOD	0.050	LOQ	ug/L	J+	Lcs
BENZO(K)FLUORANTHENE	0.043	J	0.040	LOD	0.050	LOQ	ug/L	J	RI, Lcs
CHRYSENE	0.060		0.040	LOD	0.050	LOQ	ug/L	J+	Lcs

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD030-SW01** ***Collected:*** **6/7/2017 3:00:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
DIBENZO(A,H)ANTHRACENE	0.012	J	0.040	LOD	0.050	LOQ	ug/L	J	Rl, Lcs
FLUORANTHENE	0.040	J	0.040	LOD	0.050	LOQ	ug/L	J	Rl
INDENO(1,2,3-CD)PYRENE	0.047	J	0.040	LOD	0.050	LOQ	ug/L	J	Rl, Lcs
PYRENE	0.033	J	0.040	LOD	0.050	LOQ	ug/L	J	Rl

Sample ID: **CH-SWSD030-SW01-X** ***Collected:*** **6/7/2017 3:00:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.040	J	0.040	LOD	0.050	LOQ	ug/L	NP	Rl, StoE, ProfJudg
2-METHYLNAPHTHALENE	0.036	J	0.040	LOD	0.050	LOQ	ug/L	NP	Rl, StoE, ProfJudg
ACENAPHTHENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
ANTHRACENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.024	J	0.040	LOD	0.050	LOQ	ug/L	NP	Rl, StoE, ProfJudg
BENZO(G,H,I)PERYLENE	0.011	J	0.040	LOD	0.050	LOQ	ug/L	NP	Rl, StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
CHRYSENE	0.024	J	0.040	LOD	0.050	LOQ	ug/L	NP	Rl, StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
FLUORANTHENE	0.024	J	0.040	LOD	0.050	LOQ	ug/L	NP	Rl, StoE, ProfJudg
FLUORENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
NAPHTHALENE	0.060	U	0.060	LOD	0.060	LOQ	ug/L	NP	StoE, ProfJudg
PHENANTHRENE	0.060	U	0.060	LOD	0.060	LOQ	ug/L	NP	StoE, ProfJudg
PYRENE	0.022	J	0.040	LOD	0.050	LOQ	ug/L	NP	Rl, StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-SWSD098-SW01 **Collected:** 6/7/2017 5:00:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NAPHTHALENE	0.057	J	0.060	LOD	0.060	LOQ	ug/L	J	RI

Sample ID: CH-SWSD098-SW01-F **Collected:** 6/7/2017 5:00:00 PM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.018	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
2-METHYLNAPHTHALENE	0.022	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
ACENAPHTHENE	0.034	J	0.040	LOD	0.050	LOQ	ug/L	J	RI

Sample ID: CH-SWSD099-SW01 **Collected:** 6/7/2017 4:25:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.015	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
FLUORANTHENE	0.011	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
FLUORENE	0.013	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
NAPHTHALENE	0.036	J	0.060	LOD	0.060	LOQ	ug/L	J	RI

Sample ID: CH-SWSD100-SW01 **Collected:** 6/7/2017 4:10:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.013	J	0.040	LOD	0.051	LOQ	ug/L	J	RI

Sample ID: CH-SWSD100-SW01D **Collected:** 6/7/2017 4:10:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.012	J	0.041	LOD	0.051	LOQ	ug/L	J	RI

Sample ID: CH-SWSD126-SW01 **Collected:** 6/7/2017 1:30:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.020	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
2-METHYLNAPHTHALENE	0.013	J	0.040	LOD	0.051	LOQ	ug/L	U	Mb
ANTHRACENE	0.015	J	0.040	LOD	0.051	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD126-SW01** ***Collected:*** **6/7/2017 1:30:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.015	J	0.040	LOD	0.051	LOQ	ug/L	J	RI, Lcs
BENZO(B)FLUORANTHENE	0.036	J	0.040	LOD	0.051	LOQ	ug/L	J	RI, Lcs
BENZO(K)FLUORANTHENE	0.016	J	0.040	LOD	0.051	LOQ	ug/L	J	RI, Lcs
CHRYSENE	0.046	J	0.040	LOD	0.051	LOQ	ug/L	J	RI, Lcs
FLUORENE	0.034	J	0.040	LOD	0.051	LOQ	ug/L	J	RI

Sample ID: **CH-SWSD126-SW01-X** ***Collected:*** **6/7/2017 1:30:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHENE	0.069		0.040	LOD	0.050	LOQ	ug/L	NP	Lcs, StoE, ProfJudg
ACENAPHTHYLENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
ANTHRACENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.024	J	0.040	LOD	0.050	LOQ	ug/L	NP	RI, StoE, ProfJudg
BENZO(G,H,I)PERYLENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.011	J	0.040	LOD	0.050	LOQ	ug/L	NP	RI, StoE, ProfJudg
CHRYSENE	0.024	J	0.040	LOD	0.050	LOQ	ug/L	NP	RI, StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
FLUORANTHENE	0.052		0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
FLUORENE	0.020	J	0.040	LOD	0.050	LOQ	ug/L	NP	RI, StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
NAPHTHALENE	0.060	U	0.060	LOD	0.060	LOQ	ug/L	NP	StoE, ProfJudg
PHENANTHRENE	0.045	J	0.060	LOD	0.060	LOQ	ug/L	NP	RI, StoE, ProfJudg
PYRENE	0.027	J	0.040	LOD	0.050	LOQ	ug/L	NP	RI, StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-SWSD127-SW01 **Collected:** 6/7/2017 1:15:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.021	J	0.041	LOD	0.052	LOQ	ug/L	J	RI
2-METHYLNAPHTHALENE	0.017	J	0.041	LOD	0.052	LOQ	ug/L	U	Mb
BENZO(B)FLUORANTHENE	0.026	J	0.041	LOD	0.052	LOQ	ug/L	J	RI, Lcs
BENZO(K)FLUORANTHENE	0.014	J	0.041	LOD	0.052	LOQ	ug/L	J	RI, Lcs
CHRYSENE	0.030	J	0.041	LOD	0.052	LOQ	ug/L	J	RI, Lcs
FLUORENE	0.036	J	0.041	LOD	0.052	LOQ	ug/L	J	RI
NAPHTHALENE	0.032	J	0.062	LOD	0.062	LOQ	ug/L	J	RI
PYRENE	0.039	J	0.041	LOD	0.052	LOQ	ug/L	J	RI

Sample ID: CH-SWSD127-SW01-X **Collected:** 6/7/2017 1:15:00 PM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.017	J	0.041	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg
2-METHYLNAPHTHALENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHENE	0.10		0.041	LOD	0.051	LOQ	ug/L	NP	Lcs, StoE, ProfJudg
ACENAPHTHYLENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
ANTHRACENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.023	J	0.041	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg
BENZO(G,H,I)PERYLENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.013	J	0.041	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg
CHRYSENE	0.027	J	0.041	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
FLUORANTHENE	0.068		0.041	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
FLUORENE	0.040	J	0.041	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
NAPHTHALENE	0.061	U	0.061	LOD	0.061	LOQ	ug/L	NP	StoE, ProfJudg
PHENANTHRENE	0.067		0.061	LOD	0.061	LOQ	ug/L	NP	StoE, ProfJudg
PYRENE	0.034	J	0.041	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-SWSD128-SW01 **Collected:** 6/7/2017 1:00:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.039	J	0.042	LOD	0.052	LOQ	ug/L	J	Rl
BENZO(B)FLUORANTHENE	0.028	J	0.042	LOD	0.052	LOQ	ug/L	J	Rl, Lcs
CHRYSENE	0.025	J	0.042	LOD	0.052	LOQ	ug/L	J	Rl, Lcs
FLUORANTHENE	0.039	J	0.042	LOD	0.052	LOQ	ug/L	J	Rl
FLUORENE	0.013	J	0.042	LOD	0.052	LOQ	ug/L	J	Rl
PYRENE	0.018	J	0.042	LOD	0.052	LOQ	ug/L	J	Rl

Sample ID: CH-SWSD129-SW01 **Collected:** 6/7/2017 11:55:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.023	J	0.040	LOD	0.051	LOQ	ug/L	J	Rl, Fd
2-METHYLNAPHTHALENE	0.022	J	0.040	LOD	0.051	LOQ	ug/L	UJ	Mb, Fd
ACENAPHTHENE	0.078		0.040	LOD	0.051	LOQ	ug/L	J	Fd
BENZO(B)FLUORANTHENE	0.035	J	0.040	LOD	0.051	LOQ	ug/L	J	Rl, Lcs
BENZO(K)FLUORANTHENE	0.013	J	0.040	LOD	0.051	LOQ	ug/L	J	Rl, Lcs, Fd
CHRYSENE	0.032	J	0.040	LOD	0.051	LOQ	ug/L	J	Rl, Lcs
FLUORANTHENE	0.053		0.040	LOD	0.051	LOQ	ug/L	J	Fd
FLUORENE	0.026	J	0.040	LOD	0.051	LOQ	ug/L	J	Rl, Fd
NAPHTHALENE	0.046	J	0.061	LOD	0.061	LOQ	ug/L	J	Rl, Fd
PHENANTHRENE	0.046	J	0.061	LOD	0.061	LOQ	ug/L	J	Rl, Fd
PYRENE	0.026	J	0.040	LOD	0.051	LOQ	ug/L	J	Rl, Fd

Sample ID: CH-SWSD129-SW01D **Collected:** 6/7/2017 11:55:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.013	J	0.040	LOD	0.050	LOQ	ug/L	J	Rl, Fd
2-METHYLNAPHTHALENE	0.014	J	0.040	LOD	0.050	LOQ	ug/L	UJ	Mb, Fd
ACENAPHTHENE	0.050	J	0.040	LOD	0.050	LOQ	ug/L	J	Fd
BENZO(B)FLUORANTHENE	0.026	J	0.040	LOD	0.050	LOQ	ug/L	J	Rl, Lcs
BENZO(K)FLUORANTHENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	UJ	Fd
CHRYSENE	0.024	J	0.040	LOD	0.050	LOQ	ug/L	J	Rl, Lcs
FLUORANTHENE	0.036	J	0.040	LOD	0.050	LOQ	ug/L	J	Rl, Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD129-SW01D** ***Collected:*** **6/7/2017 11:55:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORENE	0.015	J	0.040	LOD	0.050	LOQ	ug/L	J	Rl, Fd
NAPHTHALENE	0.060	U	0.060	LOD	0.060	LOQ	ug/L	UJ	Fd
PHENANTHRENE	0.060	U	0.060	LOD	0.060	LOQ	ug/L	UJ	Fd
PYRENE	0.019	J	0.040	LOD	0.050	LOQ	ug/L	J	Rl, Fd

Sample ID: **CH-SWSD129-SW01D-X** ***Collected:*** **6/7/2017 11:55:00 AM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.011	J	0.040	LOD	0.050	LOQ	ug/L	NP	Rl, StoE, ProfJudg
2-METHYLNAPHTHALENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHENE	0.061		0.040	LOD	0.050	LOQ	ug/L	NP	Lcs, StoE, ProfJudg
ACENAPHTHYLENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
ANTHRACENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.029	J	0.040	LOD	0.050	LOQ	ug/L	NP	Rl, StoE, ProfJudg
BENZO(G,H,I)PERYLENE	0.012	J	0.040	LOD	0.050	LOQ	ug/L	NP	Rl, StoE, Fd, ProfJudg
BENZO(K)FLUORANTHENE	0.014	J	0.040	LOD	0.050	LOQ	ug/L	NP	Rl, StoE, ProfJudg
CHRYSENE	0.026	J	0.040	LOD	0.050	LOQ	ug/L	NP	Rl, StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
FLUORANTHENE	0.043	J	0.040	LOD	0.050	LOQ	ug/L	NP	Rl, StoE, ProfJudg
FLUORENE	0.021	J	0.040	LOD	0.050	LOQ	ug/L	NP	Rl, StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
NAPHTHALENE	0.060	U	0.060	LOD	0.060	LOQ	ug/L	NP	StoE, ProfJudg
PHENANTHRENE	0.060	U	0.060	LOD	0.060	LOQ	ug/L	NP	StoE, Fd, ProfJudg
PYRENE	0.023	J	0.040	LOD	0.050	LOQ	ug/L	NP	Rl, StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-SWSD129-SW01-X **Collected:** 6/7/2017 11:55:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.011	J	0.040	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg
2-METHYLNAPHTHALENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHENE	0.063		0.040	LOD	0.051	LOQ	ug/L	NP	Lcs, StoE, ProfJudg
ACENAPHTHYLENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
ANTHRACENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.031	J	0.040	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg
BENZO(G,H,I)PERYLENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, Fd, ProfJudg
BENZO(K)FLUORANTHENE	0.014	J	0.040	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg
CHRYSENE	0.027	J	0.040	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
FLUORANTHENE	0.044	J	0.040	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg
FLUORENE	0.021	J	0.040	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
NAPHTHALENE	0.061	U	0.061	LOD	0.061	LOQ	ug/L	NP	StoE, ProfJudg
PHENANTHRENE	0.031	J	0.061	LOD	0.061	LOQ	ug/L	NP	RI, StoE, Fd, ProfJudg
PYRENE	0.021	J	0.040	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg

Sample ID: CH-SWSD130-SW01 **Collected:** 6/7/2017 11:45:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	UJ	Surr
2-METHYLNAPHTHALENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	UJ	Surr
ACENAPHTHENE	0.026	J	0.040	LOD	0.050	LOQ	ug/L	J	RI, Surr
ACENAPHTHYLENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	UJ	Surr
ANTHRACENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	UJ	Surr
BENZ(A)ANTHRACENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	UJ	Surr
BENZO(A)PYRENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	UJ	Surr

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-SWSD130-SW01 **Collected:** 6/7/2017 11:45:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(B)FLUORANTHENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	UJ	Surr
BENZO(G,H,I)PERYLENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	UJ	Surr
BENZO(K)FLUORANTHENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	UJ	Surr
CHRYSENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	UJ	Surr
DIBENZO(A,H)ANTHRACENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	UJ	Surr
FLUORANTHENE	0.012	J	0.040	LOD	0.050	LOQ	ug/L	J	RI, Surr
FLUORENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	UJ	Surr
INDENO(1,2,3-CD)PYRENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	UJ	Surr
NAPHTHALENE	0.060	U	0.060	LOD	0.060	LOQ	ug/L	UJ	Surr
PHENANTHRENE	0.060	U	0.060	LOD	0.060	LOQ	ug/L	UJ	Surr
PYRENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	UJ	Surr

Sample ID: CH-SWSD130-SW01-X **Collected:** 6/7/2017 11:45:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.029	J	0.041	LOD	0.052	LOQ	ug/L	NP	RI, StoE, ProfJudg
2-METHYLNAPHTHALENE	0.041	U	0.041	LOD	0.052	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHENE	0.083		0.041	LOD	0.052	LOQ	ug/L	NP	Lcs, StoE, ProfJudg
ACENAPHTHYLENE	0.041	U	0.041	LOD	0.052	LOQ	ug/L	NP	StoE, ProfJudg
ANTHRACENE	0.041	U	0.041	LOD	0.052	LOQ	ug/L	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.041	U	0.041	LOD	0.052	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.041	U	0.041	LOD	0.052	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.029	J	0.041	LOD	0.052	LOQ	ug/L	NP	RI, StoE, ProfJudg
BENZO(G,H,I)PERYLENE	0.041	U	0.041	LOD	0.052	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.015	J	0.041	LOD	0.052	LOQ	ug/L	NP	RI, StoE, ProfJudg
CHRYSENE	0.025	J	0.041	LOD	0.052	LOQ	ug/L	NP	RI, StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.041	U	0.041	LOD	0.052	LOQ	ug/L	NP	StoE, ProfJudg
FLUORANTHENE	0.042	J	0.041	LOD	0.052	LOQ	ug/L	NP	RI, StoE, ProfJudg
FLUORENE	0.032	J	0.041	LOD	0.052	LOQ	ug/L	NP	RI, StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.041	U	0.041	LOD	0.052	LOQ	ug/L	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-SWSD130-SW01-X **Collected:** 6/7/2017 11:45:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NAPHTHALENE	0.062	U	0.062	LOD	0.062	LOQ	ug/L	NP	StoE, ProfJudg
PHENANTHRENE	0.035	J	0.062	LOD	0.062	LOQ	ug/L	NP	RI, StoE, ProfJudg
PYRENE	0.024	J	0.041	LOD	0.052	LOQ	ug/L	NP	RI, StoE, ProfJudg

Sample ID: CH-SWSD131-SW01 **Collected:** 6/7/2017 11:30:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.028	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
2-METHYLNAPHTHALENE	0.027	J	0.040	LOD	0.050	LOQ	ug/L	U	Mb
BENZO(B)FLUORANTHENE	0.025	J	0.040	LOD	0.050	LOQ	ug/L	J	RI, Lcs
BENZO(K)FLUORANTHENE	0.012	J	0.040	LOD	0.050	LOQ	ug/L	J	RI, Lcs
CHRYSENE	0.026	J	0.040	LOD	0.050	LOQ	ug/L	J	RI, Lcs
FLUORANTHENE	0.049	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
FLUORENE	0.033	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
NAPHTHALENE	0.033	J	0.060	LOD	0.060	LOQ	ug/L	J	RI
PHENANTHRENE	0.049	J	0.060	LOD	0.060	LOQ	ug/L	J	RI
PYRENE	0.024	J	0.040	LOD	0.050	LOQ	ug/L	J	RI

Sample ID: CH-SWSD131-SW01-X **Collected:** 6/7/2017 11:30:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.020	J	0.040	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg
2-METHYLNAPHTHALENE	0.012	J	0.040	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg
ACENAPHTHENE	0.091		0.040	LOD	0.051	LOQ	ug/L	NP	Lcs, StoE, ProfJudg
ACENAPHTHYLENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
ANTHRACENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.025	J	0.040	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg
BENZO(G,H,I)PERYLENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-SWSD131-SW01-X **Collected:** 6/7/2017 11:30:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(K)FLUORANTHENE	0.011	J	0.040	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg
CHRYSENE	0.022	J	0.040	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
FLUORANTHENE	0.043	J	0.040	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg
FLUORENE	0.029	J	0.040	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
NAPHTHALENE	0.061	U	0.061	LOD	0.061	LOQ	ug/L	NP	StoE, ProfJudg
PHENANTHRENE	0.036	J	0.061	LOD	0.061	LOQ	ug/L	NP	RI, StoE, ProfJudg
PYRENE	0.021	J	0.040	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg

Sample ID: CH-SWSD132-SW01 **Collected:** 6/7/2017 11:00:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.038	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
2-METHYLNAPHTHALENE	0.030	J	0.041	LOD	0.051	LOQ	ug/L	U	Mb
BENZO(B)FLUORANTHENE	0.031	J	0.041	LOD	0.051	LOQ	ug/L	J	RI, Lcs
BENZO(K)FLUORANTHENE	0.014	J	0.041	LOD	0.051	LOQ	ug/L	J	RI, Lcs
CHRYSENE	0.034	J	0.041	LOD	0.051	LOQ	ug/L	J	RI, Lcs
FLUORENE	0.041	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
NAPHTHALENE	0.038	J	0.061	LOD	0.061	LOQ	ug/L	J	RI
PYRENE	0.050	J	0.041	LOD	0.051	LOQ	ug/L	J	RI

Sample ID: CH-SWSD132-SW01-X **Collected:** 6/7/2017 11:00:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.023	J	0.040	LOD	0.050	LOQ	ug/L	NP	RI, StoE, ProfJudg
2-METHYLNAPHTHALENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHENE	0.11		0.040	LOD	0.050	LOQ	ug/L	NP	Lcs, StoE, ProfJudg
ACENAPHTHYLENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
ANTHRACENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-SWSD132-SW01-X **Collected:** 6/7/2017 11:00:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.027	J	0.040	LOD	0.050	LOQ	ug/L	NP	RI, StoE, ProfJudg
BENZO(G,H,I)PERYLENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.013	J	0.040	LOD	0.050	LOQ	ug/L	NP	RI, StoE, ProfJudg
CHRYSENE	0.026	J	0.040	LOD	0.050	LOQ	ug/L	NP	RI, StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
FLUORANTHENE	0.056		0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
FLUORENE	0.046	J	0.040	LOD	0.050	LOQ	ug/L	NP	RI, StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
NAPHTHALENE	0.060	U	0.060	LOD	0.060	LOQ	ug/L	NP	StoE, ProfJudg
PHENANTHRENE	0.050	J	0.060	LOD	0.060	LOQ	ug/L	NP	RI, StoE, ProfJudg
PYRENE	0.028	J	0.040	LOD	0.050	LOQ	ug/L	NP	RI, StoE, ProfJudg

Sample ID: CH-SWSD133-SW01 **Collected:** 6/7/2017 10:45:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.029	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
2-METHYLNAPHTHALENE	0.024	J	0.040	LOD	0.051	LOQ	ug/L	U	Mb
BENZO(B)FLUORANTHENE	0.026	J	0.040	LOD	0.051	LOQ	ug/L	J	RI, Lcs
BENZO(K)FLUORANTHENE	0.012	J	0.040	LOD	0.051	LOQ	ug/L	J	RI, Lcs
CHRYSENE	0.027	J	0.040	LOD	0.051	LOQ	ug/L	J	RI, Lcs
FLUORENE	0.035	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
NAPHTHALENE	0.035	J	0.061	LOD	0.061	LOQ	ug/L	J	RI
PYRENE	0.030	J	0.040	LOD	0.051	LOQ	ug/L	J	RI

Sample ID: CH-SWSD133-SW01-X **Collected:** 6/7/2017 10:45:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.018	J	0.041	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-SWSD133-SW01-X **Collected:** 6/7/2017 10:45:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHENE	0.099		0.041	LOD	0.051	LOQ	ug/L	NP	Lcs, StoE, ProfJudg
ACENAPHTHYLENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
ANTHRACENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.027	J	0.041	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg
BENZO(G,H,I)PERYLENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.011	J	0.041	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg
CHRYSENE	0.025	J	0.041	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
FLUORANTHENE	0.058		0.041	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
FLUORENE	0.037	J	0.041	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
NAPHTHALENE	0.061	U	0.061	LOD	0.061	LOQ	ug/L	NP	StoE, ProfJudg
PHENANTHRENE	0.050	J	0.061	LOD	0.061	LOQ	ug/L	NP	RI, StoE, ProfJudg
PYRENE	0.028	J	0.041	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg

Sample ID: CH-SWSD134-SW01 **Collected:** 6/7/2017 10:20:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.034	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
2-METHYLNAPHTHALENE	0.041	J	0.040	LOD	0.051	LOQ	ug/L	U	Mb
BENZO(B)FLUORANTHENE	0.019	J	0.040	LOD	0.051	LOQ	ug/L	J	RI, Lcs
CHRYSENE	0.020	J	0.040	LOD	0.051	LOQ	ug/L	J	RI, Lcs
FLUORANTHENE	0.037	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
FLUORENE	0.030	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
PHENANTHRENE	0.049	J	0.061	LOD	0.061	LOQ	ug/L	J	RI
PYRENE	0.022	J	0.040	LOD	0.051	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD134-SW01-X** ***Collected:*** **6/7/2017 10:20:00 AM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.026	J	0.040	LOD	0.050	LOQ	ug/L	NP	Rl, StoE, ProfJudg
2-METHYLNAPHTHALENE	0.022	J	0.040	LOD	0.050	LOQ	ug/L	NP	Rl, StoE, ProfJudg
ACENAPHTHENE	0.073		0.040	LOD	0.050	LOQ	ug/L	NP	Lcs, StoE, ProfJudg
ACENAPHTHYLENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
ANTHRACENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.018	J	0.040	LOD	0.050	LOQ	ug/L	NP	Rl, StoE, ProfJudg
BENZO(G,H,I)PERYLENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
CHRYSENE	0.016	J	0.040	LOD	0.050	LOQ	ug/L	NP	Rl, StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
FLUORANTHENE	0.033	J	0.040	LOD	0.050	LOQ	ug/L	NP	Rl, StoE, ProfJudg
FLUORENE	0.028	J	0.040	LOD	0.050	LOQ	ug/L	NP	Rl, StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
NAPHTHALENE	0.060	U	0.060	LOD	0.060	LOQ	ug/L	NP	StoE, ProfJudg
PHENANTHRENE	0.039	J	0.060	LOD	0.060	LOQ	ug/L	NP	Rl, StoE, ProfJudg
PYRENE	0.016	J	0.040	LOD	0.050	LOQ	ug/L	NP	Rl, StoE, ProfJudg

Sample ID: **CH-SWSD135-SW01** ***Collected:*** **6/7/2017 10:15:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.037	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl
2-METHYLNAPHTHALENE	0.047	J	0.041	LOD	0.051	LOQ	ug/L	U	Mb
BENZO(B)FLUORANTHENE	0.020	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl, Lcs
CHRYSENE	0.018	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl, Lcs
FLUORANTHENE	0.034	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl
FLUORENE	0.034	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl
PHENANTHRENE	0.049	J	0.061	LOD	0.061	LOQ	ug/L	J	Rl
PYRENE	0.019	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl, Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-SWSD135-SW01D **Collected:** 6/7/2017 10:15:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.029	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
2-METHYLNAPHTHALENE	0.037	J	0.040	LOD	0.050	LOQ	ug/L	U	Mb
BENZO(B)FLUORANTHENE	0.021	J	0.040	LOD	0.050	LOQ	ug/L	J	RI, Lcs
CHRYSENE	0.022	J	0.040	LOD	0.050	LOQ	ug/L	J	RI, Lcs
FLUORANTHENE	0.044	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
FLUORENE	0.028	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
PHENANTHRENE	0.050	J	0.060	LOD	0.060	LOQ	ug/L	J	RI
PYRENE	0.028	J	0.040	LOD	0.050	LOQ	ug/L	J	RI, Fd

Sample ID: CH-SWSD135-SW01D-X **Collected:** 6/7/2017 10:15:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.015	J	0.040	LOD	0.050	LOQ	ug/L	NP	RI, StoE, ProfJudg
2-METHYLNAPHTHALENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHENE	0.081		0.040	LOD	0.050	LOQ	ug/L	NP	Lcs, StoE, ProfJudg
ACENAPHTHYLENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
ANTHRACENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.017	J	0.040	LOD	0.050	LOQ	ug/L	NP	RI, StoE, ProfJudg
BENZO(G,H,I)PERYLENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
CHRYSENE	0.017	J	0.040	LOD	0.050	LOQ	ug/L	NP	RI, StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
FLUORANTHENE	0.032	J	0.040	LOD	0.050	LOQ	ug/L	NP	RI, StoE, ProfJudg
FLUORENE	0.029	J	0.040	LOD	0.050	LOQ	ug/L	NP	RI, StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
NAPHTHALENE	0.060	U	0.060	LOD	0.060	LOQ	ug/L	NP	StoE, ProfJudg
PHENANTHRENE	0.038	J	0.060	LOD	0.060	LOQ	ug/L	NP	RI, StoE, ProfJudg
PYRENE	0.015	J	0.040	LOD	0.050	LOQ	ug/L	NP	RI, StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-SWSD135-SW01-X **Collected:** 6/7/2017 10:15:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.019	J	0.040	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg
2-METHYLNAPHTHALENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHENE	0.087		0.040	LOD	0.051	LOQ	ug/L	NP	Lcs, StoE, ProfJudg
ACENAPHTHYLENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
ANTHRACENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.019	J	0.040	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg
BENZO(G,H,I)PERYLENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
CHRYSENE	0.020	J	0.040	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
FLUORANTHENE	0.039	J	0.040	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg
FLUORENE	0.035	J	0.040	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
NAPHTHALENE	0.061	U	0.061	LOD	0.061	LOQ	ug/L	NP	StoE, ProfJudg
PHENANTHRENE	0.044	J	0.061	LOD	0.061	LOQ	ug/L	NP	RI, StoE, ProfJudg
PYRENE	0.019	J	0.040	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg

Sample ID: CH-SWSD136-SW01 **Collected:** 6/7/2017 10:05:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.045	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
2-METHYLNAPHTHALENE	0.043	J	0.040	LOD	0.050	LOQ	ug/L	U	Mb
BENZO(B)FLUORANTHENE	0.018	J	0.040	LOD	0.050	LOQ	ug/L	J	RI, Lcs
CHRYSENE	0.019	J	0.040	LOD	0.050	LOQ	ug/L	J	RI, Lcs
FLUORANTHENE	0.040	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
FLUORENE	0.041	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
NAPHTHALENE	0.057	J	0.060	LOD	0.060	LOQ	ug/L	J	RI
PHENANTHRENE	0.057	J	0.060	LOD	0.060	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-SWSD136-SW01 **Collected:** 6/7/2017 10:05:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
PYRENE	0.022	J	0.040	LOD	0.050	LOQ	ug/L	J	RI

Sample ID: CH-SWSD136-SW01-X **Collected:** 6/7/2017 10:05:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.014	J	0.041	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg
2-METHYLNAPHTHALENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHENE	0.076		0.041	LOD	0.051	LOQ	ug/L	NP	Lcs, StoE, ProfJudg
ACENAPHTHYLENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
ANTHRACENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.011	J	0.041	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg
BENZO(G,H,I)PERYLENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
CHRYSENE	0.013	J	0.041	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
FLUORANTHENE	0.028	J	0.041	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg
FLUORENE	0.030	J	0.041	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
NAPHTHALENE	0.061	U	0.061	LOD	0.061	LOQ	ug/L	NP	StoE, ProfJudg
PHENANTHRENE	0.032	J	0.061	LOD	0.061	LOQ	ug/L	NP	RI, StoE, ProfJudg
PYRENE	0.015	J	0.041	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg

Sample ID: CH-SWSD137-SW01 **Collected:** 6/7/2017 9:50:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.043	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
2-METHYLNAPHTHALENE	0.043	J	0.040	LOD	0.051	LOQ	ug/L	U	Mb
BENZO(B)FLUORANTHENE	0.015	J	0.040	LOD	0.051	LOQ	ug/L	J	RI, Lcs

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-SWSD137-SW01 **Collected:** 6/7/2017 9:50:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.019	J	0.040	LOD	0.051	LOQ	ug/L	J	Rl, Lcs
FLUORANTHENE	0.040	J	0.040	LOD	0.051	LOQ	ug/L	J	Rl
FLUORENE	0.042	J	0.040	LOD	0.051	LOQ	ug/L	J	Rl
NAPHTHALENE	0.052	J	0.061	LOD	0.061	LOQ	ug/L	J	Rl
PYRENE	0.023	J	0.040	LOD	0.051	LOQ	ug/L	J	Rl

Sample ID: CH-SWSD137-SW01-X **Collected:** 6/7/2017 9:50:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.033	J	0.040	LOD	0.050	LOQ	ug/L	NP	Rl, StoE, ProfJudg
2-METHYLNAPHTHALENE	0.021	J	0.040	LOD	0.050	LOQ	ug/L	NP	Rl, StoE, ProfJudg
ACENAPHTHENE	0.078		0.040	LOD	0.050	LOQ	ug/L	NP	Lcs, StoE, ProfJudg
ACENAPHTHYLENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
ANTHRACENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.016	J	0.040	LOD	0.050	LOQ	ug/L	NP	Rl, StoE, ProfJudg
BENZO(G,H,I)PERYLENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
CHRYSENE	0.017	J	0.040	LOD	0.050	LOQ	ug/L	NP	Rl, StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
FLUORANTHENE	0.036	J	0.040	LOD	0.050	LOQ	ug/L	NP	Rl, StoE, ProfJudg
FLUORENE	0.035	J	0.040	LOD	0.050	LOQ	ug/L	NP	Rl, StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
NAPHTHALENE	0.060	U	0.060	LOD	0.060	LOQ	ug/L	NP	StoE, ProfJudg
PHENANTHRENE	0.045	J	0.060	LOD	0.060	LOQ	ug/L	NP	Rl, StoE, ProfJudg
PYRENE	0.023	J	0.040	LOD	0.050	LOQ	ug/L	NP	Rl, StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD138-SW01** ***Collected:*** **6/7/2017 9:20:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.067		0.041	LOD	0.051	LOQ	ug/L	U	Mb
ANTHRACENE	0.013	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
BENZO(B)FLUORANTHENE	0.017	J	0.041	LOD	0.051	LOQ	ug/L	J	RI, Lcs
CHRYSENE	0.018	J	0.041	LOD	0.051	LOQ	ug/L	J	RI, Lcs
FLUORANTHENE	0.047	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
PYRENE	0.033	J	0.041	LOD	0.051	LOQ	ug/L	J	RI

Sample ID: **CH-SWSD138-SW01-X** ***Collected:*** **6/7/2017 9:20:00 AM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.012	J	0.040	LOD	0.050	LOQ	ug/L	NP	RI, StoE, ProfJudg
2-METHYLNAPHTHALENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHENE	0.11		0.040	LOD	0.050	LOQ	ug/L	NP	Lcs, StoE, ProfJudg
ACENAPHTHYLENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
ANTHRACENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.012	J	0.040	LOD	0.050	LOQ	ug/L	NP	RI, StoE, ProfJudg
BENZO(G,H,I)PERYLENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
CHRYSENE	0.015	J	0.040	LOD	0.050	LOQ	ug/L	NP	RI, StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
FLUORANTHENE	0.040	J	0.040	LOD	0.050	LOQ	ug/L	NP	RI, StoE, ProfJudg
FLUORENE	0.059		0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
NAPHTHALENE	0.060	U	0.060	LOD	0.060	LOQ	ug/L	NP	StoE, ProfJudg
PHENANTHRENE	0.052	J	0.060	LOD	0.060	LOQ	ug/L	NP	RI, StoE, ProfJudg
PYRENE	0.026	J	0.040	LOD	0.050	LOQ	ug/L	NP	RI, StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD139-SW01** ***Collected:*** **6/7/2017 8:50:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.067		0.040	LOD	0.051	LOQ	ug/L	U	Mb
ANTHRACENE	0.012	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
BENZO(B)FLUORANTHENE	0.015	J	0.040	LOD	0.051	LOQ	ug/L	J	RI, Lcs
CHRYSENE	0.018	J	0.040	LOD	0.051	LOQ	ug/L	J	RI, Lcs
FLUORANTHENE	0.050	J	0.040	LOD	0.051	LOQ	ug/L	J	RI
PYRENE	0.030	J	0.040	LOD	0.051	LOQ	ug/L	J	RI

Sample ID: **CH-SWSD139-SW01-X** ***Collected:*** **6/7/2017 8:50:00 AM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.011	J	0.040	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg
2-METHYLNAPHTHALENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHENE	0.11		0.040	LOD	0.051	LOQ	ug/L	NP	Lcs, StoE, ProfJudg
ACENAPHTHYLENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
ANTHRACENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.013	J	0.040	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg
BENZO(G,H,I)PERYLENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
CHRYSENE	0.016	J	0.040	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
FLUORANTHENE	0.046	J	0.040	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg
FLUORENE	0.066		0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
NAPHTHALENE	0.061	U	0.061	LOD	0.061	LOQ	ug/L	NP	StoE, ProfJudg
PHENANTHRENE	0.059	J	0.061	LOD	0.061	LOQ	ug/L	NP	RI, StoE, ProfJudg
PYRENE	0.027	J	0.040	LOD	0.051	LOQ	ug/L	NP	RI, StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD140-SW01** ***Collected:*** **6/7/2017 8:30:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.020	J	0.040	LOD	0.050	LOQ	ug/L	J	RI, Surr
2-METHYLNAPHTHALENE	0.021	J	0.040	LOD	0.050	LOQ	ug/L	UJ	Mb, Surr
ACENAPHTHENE	0.061		0.040	LOD	0.050	LOQ	ug/L	J	Ms, Surr
ACENAPHTHYLENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	UJ	Surr
ANTHRACENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	UJ	Surr
BENZ(A)ANTHRACENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	UJ	Surr
BENZO(A)PYRENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	UJ	Surr
BENZO(B)FLUORANTHENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	UJ	Surr
BENZO(G,H,I)PERYLENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	UJ	Surr
BENZO(K)FLUORANTHENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	UJ	Surr
CHRYSENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	UJ	Surr
DIBENZO(A,H)ANTHRACENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	UJ	Surr
FLUORANTHENE	0.019	J	0.040	LOD	0.050	LOQ	ug/L	J	RI, Surr
FLUORENE	0.028	J	0.040	LOD	0.050	LOQ	ug/L	J	RI, Surr
INDENO(1,2,3-CD)PYRENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	UJ	Surr
NAPHTHALENE	0.033	J	0.060	LOD	0.060	LOQ	ug/L	J	RI, Surr
PHENANTHRENE	0.031	J	0.060	LOD	0.060	LOQ	ug/L	J	RI, Surr
PYRENE	0.012	J	0.040	LOD	0.050	LOQ	ug/L	J	RI, Surr

Sample ID: **CH-SWSD140-SW01-X** ***Collected:*** **6/7/2017 8:30:00 AM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.021	J	0.041	LOD	0.051	LOQ	ug/L	NP	RI, Ms, Ms, StoE, ProfJudg
2-METHYLNAPHTHALENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	Ms, StoE, ProfJudg
ACENAPHTHENE	0.17		0.041	LOD	0.051	LOQ	ug/L	NP	Ms, Ms, Ms, Lcs, StoE, ProfJudg
ACENAPHTHYLENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	Ms, StoE, ProfJudg
ANTHRACENE	0.011	J	0.041	LOD	0.051	LOQ	ug/L	NP	RI, Ms, Ms, StoE, ProfJudg
BENZ(A)ANTHRACENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	Ms, StoE, ProfJudg
BENZO(A)PYRENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	Ms, StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.021	J	0.041	LOD	0.051	LOQ	ug/L	NP	RI, Ms, Ms, StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-SWSD140-SW01-X **Collected:** 6/7/2017 8:30:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(G,H,I)PERYLENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	Ms, StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	Ms, StoE, ProfJudg
CHRYSENE	0.021	J	0.041	LOD	0.051	LOQ	ug/L	NP	RI, Ms, Ms, StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	Ms, StoE, ProfJudg
FLUORANTHENE	0.052		0.041	LOD	0.051	LOQ	ug/L	NP	Ms, Ms, StoE, ProfJudg
FLUORENE	0.077		0.041	LOD	0.051	LOQ	ug/L	NP	Ms, Ms, StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	Ms, StoE, ProfJudg
NAPHTHALENE	0.061	U	0.061	LOD	0.061	LOQ	ug/L	NP	Ms, StoE, ProfJudg
PHENANTHRENE	0.057	J	0.061	LOD	0.061	LOQ	ug/L	NP	RI, Ms, Ms, StoE, ProfJudg
PYRENE	0.029	J	0.041	LOD	0.051	LOQ	ug/L	NP	RI, Ms, Ms, StoE, ProfJudg

Sample ID: EB-060717-01 **Collected:** 6/7/2017 10:45:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.031	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
FLUORANTHENE	0.032	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
PYRENE	0.021	J	0.040	LOD	0.050	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Reason Code Legend

Reason Code	*Description*
Fd	Field Duplicate Precision
Lcs	Laboratory Control Spike Lower Estimation
Lcs	Laboratory Control Spike Upper Estimation
Ld	Laboratory Duplicate Precision
Mb	Method Blank Contamination
Ms	Matrix Spike Lower Estimation
Ms	Matrix Spike Precision
Ms	Matrix Spike Upper Estimation
ProfJudg	Professional Judgment
Rl	Reporting Limit Trace Value
StoE	Sampling to Extraction Estimation
StoE	Sampling to Extraction Rejection
Surr	Surrogate/Tracer Recovery Lower Estimation
Surr	Surrogate/Tracer Recovery Upper Estimation

* denotes a non-reportable result

QC Outlier Report: HoldingTimes

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D **Preparation Method: SW3510C**

Matrix: WATER

Sample ID	Type	Actual	Criteria	Units	Flag
CH-SWSD003-SW01-X (Reanalysis-	Sampling To Extraction	13.00	7.00	DAYS	J- (all detects)
CH-SWSD017-SW01-X (Reanalysis-		13.00	7.00	DAYS	UJ (all non-detects)
CH-SWSD021-SW01-X (Reanalysis-		13.00	7.00	DAYS	
CH-SWSD022-SW01-X (Reanalysis-		13.00	7.00	DAYS	
CH-SWSD023-SW01-X (Reanalysis-		13.00	7.00	DAYS	
CH-SWSD030-SW01-X (Reanalysis-	Sampling To Extraction	15.00	7.00	DAYS	J-(all detects)
CH-SWSD130-SW01-X (Reanalysis-		15.00	7.00	DAYS	R(all non-detects)
CH-SWSD132-SW01-X (Reanalysis-		15.00	7.00	DAYS	
CH-SWSD133-SW01-X (Reanalysis-		15.00	7.00	DAYS	
CH-SWSD134-SW01-X (Reanalysis-		15.00	7.00	DAYS	
CH-SWSD135-SW01D-X (Reanalysi		15.00	7.00	DAYS	
CH-SWSD135-SW01-X (Reanalysis-		15.00	7.00	DAYS	
CH-SWSD140-SW01-X (Reanalysis-		15.00	7.00	DAYS	
CH-SWSD140-SW01-XMS (Reanaly		15.00	7.00	DAYS	
CH-SWSD140-SW01-XMSD (Reana		15.00	7.00	DAYS	

Method: 8270D SIM **Preparation Method: SW3510C**

Matrix: WATER

Sample ID	Type	Actual	Criteria	Units	Flag
CH-SWSD027-SW01-X (Reanalysis-	Sampling To Extraction	35.00	7.00	DAYS	J-(all detects)
CH-SWSD030-SW01-X (Reanalysis-		35.00	7.00	DAYS	R(all non-detects)
CH-SWSD126-SW01-X (Reanalysis-		35.00	7.00	DAYS	
CH-SWSD127-SW01-X (Reanalysis-		35.00	7.00	DAYS	
CH-SWSD129-SW01D-X (Reanalysi		35.00	7.00	DAYS	
CH-SWSD129-SW01-X (Reanalysis-		35.00	7.00	DAYS	
CH-SWSD130-SW01-X (Reanalysis-		35.00	7.00	DAYS	
CH-SWSD131-SW01-X (Reanalysis-		35.00	7.00	DAYS	
CH-SWSD132-SW01-X (Reanalysis-		35.00	7.00	DAYS	
CH-SWSD133-SW01-X (Reanalysis-		35.00	7.00	DAYS	
CH-SWSD134-SW01-X (Reanalysis-		35.00	7.00	DAYS	
CH-SWSD135-SW01D-X (Reanalysi		35.00	7.00	DAYS	
CH-SWSD135-SW01-X (Reanalysis-		35.00	7.00	DAYS	
CH-SWSD136-SW01-X (Reanalysis-		35.00	7.00	DAYS	
CH-SWSD137-SW01-X (Reanalysis-		35.00	7.00	DAYS	
CH-SWSD138-SW01-X (Reanalysis-		35.00	7.00	DAYS	
CH-SWSD139-SW01-X (Reanalysis-		35.00	7.00	DAYS	
CH-SWSD140-SW01-X (Reanalysis-		35.00	7.00	DAYS	
CH-SWSD140-SW01-XMS (Reanaly		35.00	7.00	DAYS	
CH-SWSD140-SW01-XMSD (Reana		35.00	7.00	DAYS	

Surrogate Outlier Report

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D**
Matrix: **WATER**

Sample ID (Analysis Type)	*Surrogate*	*Sample % Recovery*	*% Recovery Limits*	*Affected Compounds*	*Flag*
CH-SWSD003-SW01 (Initial/TOT)	2,4,6-TRIBROMOPHENOL 2-FLUOROPHENOL	22 15	43.00-140.00 19.00-119.00	All Acid Target Analytes	J- (all detects) UJ (all non-detects)
CH-SWSD017-SW01 (Initial/TOT)	2,4,6-TRIBROMOPHENOL	40	43.00-140.00	No Affected Compounds	
CH-SWSD021-SW01 (Initial/TOT)	2,4,6-TRIBROMOPHENOL	34	43.00-140.00	No Affected Compounds	
CH-SWSD022-SW01 (Initial/TOT)	2,4,6-TRIBROMOPHENOL	28	43.00-140.00	No Affected Compounds	
CH-SWSD022-SW01-X (Reanalysis-01/TOT)	2,4,6-TRIBROMOPHENOL 2-FLUOROBIPHENYL Nitrobenzene-d5 Terphenyl-d14	35 42 43 47	43.00-140.00 44.00-119.00 44.00-120.00 50.00-134.00	All Base/Neutral Target Analytes	J-(all detects) UJ(all non-detects)
CH-SWSD023-SW01 (Initial/TOT)	2,4,6-TRIBROMOPHENOL	34	43.00-140.00	No Affected Compounds	
CH-SWSD030-SW01 (Initial/TOT)	2-FLUOROBIPHENYL	122	44.00-119.00	No Affected Compounds	
CH-SWSD130-SW01 (Initial/TOT)	2,4,6-TRIBROMOPHENOL 2-FLUOROBIPHENYL 2-FLUOROPHENOL Nitrobenzene-d5 PHENOL-D6 Terphenyl-d14	11 18 7 18 5 27	43.00-140.00 44.00-119.00 19.00-119.00 44.00-120.00 10.00-71.00 50.00-134.00	All Target Analytes	J-(all detects) UJ(all non-detects)
CH-SWSD132-SW01 (Initial/TOT)	2,4,6-TRIBROMOPHENOL	33	43.00-140.00	No Affected Compounds	
CH-SWSD132-SW01-X (Reanalysis-01/TOT)	2,4,6-TRIBROMOPHENOL	38	43.00-140.00	No Affected Compounds	
CH-SWSD133-SW01 (Initial/TOT)	2,4,6-TRIBROMOPHENOL	32	43.00-140.00	No Affected Compounds	
CH-SWSD134-SW01 (Initial/TOT)	2,4,6-TRIBROMOPHENOL	42	43.00-140.00	No Affected Compounds	
CH-SWSD135-SW01 (Initial/TOT)	2,4,6-TRIBROMOPHENOL	35	43.00-140.00	No Affected Compounds	
CH-SWSD135-SW01D (Initial/TOT)	2,4,6-TRIBROMOPHENOL	41	43.00-140.00	No Affected Compounds	
CH-SWSD140-SW01 (Initial/TOT)	2,4,6-TRIBROMOPHENOL 2-FLUOROBIPHENYL 2-FLUOROPHENOL Nitrobenzene-d5 PHENOL-D6 Terphenyl-d14	19 18 6 14 4 34	43.00-140.00 44.00-119.00 19.00-119.00 44.00-120.00 10.00-71.00 50.00-134.00	All Target Analytes	J-(all detects) UJ(all non-detects)

Surrogate Outlier Report

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**
Matrix: **WATER**

Sample ID (Analysis Type)	*Surrogate*	*Sample % Recovery*	*% Recovery Limits*	*Affected Compounds*	*Flag*
CH-SWSD027-SW01-X (Reanalysis-01/ TOT)	1-Methylnaphthalene-d10	133	22.00-129.00	No Affected Compounds	
CH-SWSD130-SW01 (Initial/TOT)	1-Methylnaphthalene-d10 Fluoranthene-d10	18 22	22.00-129.00 42.00-136.00	All Base/Neutral Target Analytes	J-(all detects) UJ(all non-detects)
CH-SWSD140-SW01 (Initial/TOT)	1-Methylnaphthalene-d10 Fluoranthene-d10	14 29	22.00-129.00 42.00-136.00	All Base/Neutral Target Analytes	J-(all detects) UJ(all non-detects)

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: WATER

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-SWSD029-SW01MS (Total) (CH-SWSD029-SW01)	MANGANESE	83	-	87.00-115.00	-	MANGANESE	J- (all detects) UJ (all non-detects)

Method: 8270D
Matrix: WATER

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-SWSD140-SW01-XMSD (CH-SWSD140-SW01-X)	BENZOIC ACID	-	-	10.00-64.00	81 (20.00)	BENZOIC ACID	J(all detects)

Method: 8270D SIM
Matrix: WATER

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-SWSD140-SW01MS CH-SWSD140-SW01MSD (CH-SWSD140-SW01)	ACENAPHTHENE	122	127	48.00-114.00	-	ACENAPHTHENE	J+(all detects)
CH-SWSD140-SW01-XMS CH-SWSD140-SW01-XMSD (CH-SWSD140-SW01-X)	1-METHYLNAPHTHALENE	-	0	41.00-115.00	194 (20.00)	1-METHYLNAPHTHALENE	J(all detects) UJ(all non-detects)
	2-METHYLNAPHTHALENE	-	2	39.00-114.00	193 (20.00)	2-METHYLNAPHTHALENE	
	ACENAPHTHENE	115	-14	48.00-114.00	194 (20.00)	ACENAPHTHENE	
	ACENAPHTHYLENE	-	1	35.00-121.00	194 (20.00)	ACENAPHTHYLENE	
	ANTHRACENE	-	4	53.00-119.00	181 (20.00)	ANTHRACENE	
	BENZ(A)ANTHRACENE	-	15	59.00-120.00	146 (20.00)	BENZ(A)ANTHRACENE	
	BENZO(A)PYRENE	-	17	53.00-120.00	140 (20.00)	BENZO(A)PYRENE	
	BENZO(B)FLUORANTHENE	-	16	53.00-126.00	138 (20.00)	BENZO(B)FLUORANTHENE	
	BENZO(G,H,I)PERYLENE	-	17	44.00-128.00	137 (20.00)	BENZO(G,H,I)PERYLENE	
	BENZO(K)FLUORANTHENE	-	18	54.00-125.00	139 (20.00)	BENZO(K)FLUORANTHENE	
	CHRYSENE	-	14	57.00-120.00	141 (20.00)	CHRYSENE	
	DIBENZO(A,H)ANTHRACENE	-	18	44.00-131.00	137 (20.00)	DIBENZO(A,H)ANTHRACENE	
	FLUORANTHENE	-	5	58.00-120.00	163 (20.00)	FLUORANTHENE	
	FLUORENE	-	-5	50.00-118.00	193 (20.00)	FLUORENE	
	INDENO(1,2,3-CD)PYRENE	-	18	48.00-130.00	136 (20.00)	INDENO(1,2,3-CD)PYRENE	
	NAPHTHALENE	-	0	43.00-114.00	200 (20.00)	NAPHTHALENE	
	PHENANTHRENE	-	-1	53.00-115.00	186 (20.00)	PHENANTHRENE	
	PYRENE	-	7	53.00-121.00	160 (20.00)	PYRENE	

Lab Duplicate Outlier Report

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: WATER

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
CH-SWSD029-SW01DUP (Total) (CH-SWSD029-SW01)	COPPER NICKEL ZINC	42 40 44	20.00 20.00 20.00	J (all detects) UJ (all non-detects)

Method: 218.6
Matrix: WATER

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
CH-SWSD140-SW01DUP (Total) (CH-SWSD140-SW01)	Hexavalent Chromium [Cr (VI)]	37	20.00	J(all detects) UJ(all non-detects)

Method: 6020A
Matrix: WATER

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
CH-SWSD140-SW01DUP (Total) (CH-SWSD140-SW01)	ARSENIC NICKEL	200 200	20.00 20.00	J(all detects) UJ(all non-detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 218.6
Matrix: WATER

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD100-SW01 (Total)	CH-SWSD100-SW01D (Total)			
Hexavalent Chromium [Cr (VI)]	0.17	0.13	27	30.00	No Qualifiers Applied

Method: 6020A
Matrix: WATER

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD129-SW01 (Total)	CH-SWSD129-SW01D (Total)			
ALUMINUM	390	403	3	30.00	No Qualifiers Applied
BARIUM	15.6	13.7	13	30.00	
CALCIUM	2040	1970	3	30.00	
CHROMIUM	0.74	1.0	30	30.00	
COBALT	0.21	0.25	17	30.00	
COPPER	0.57	0.66	15	30.00	
IRON	307	301	2	30.00	
LEAD	0.95	0.94	1	30.00	
MAGNESIUM	2030	2060	1	30.00	
MANGANESE	6.3	5.7	10	30.00	
POTASSIUM	502	535	6	30.00	
SODIUM	17900	17800	1	30.00	
VANADIUM	1.6	1.6	0	30.00	
ZINC	12.6	13.1	4	30.00	

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD135-SW01 (Total)	CH-SWSD135-SW01D (Total)			
ALUMINUM	485	458	6	30.00	No Qualifiers Applied
BARIUM	15.6	13.2	17	30.00	
CALCIUM	1920	1860	3	30.00	
CHROMIUM	1.1	1.1	0	30.00	
COBALT	0.22	0.21	5	30.00	
COPPER	0.75	0.65	14	30.00	
IRON	317	319	1	30.00	
LEAD	1.1	1.1	0	30.00	
MAGNESIUM	1820	1830	1	30.00	
MANGANESE	6.1	6.3	3	30.00	
POTASSIUM	494	490	1	30.00	
SODIUM	15500	15400	1	30.00	
ZINC	10.7	9.1	16	30.00	
VANADIUM	1.4	1.0	33	30.00	J(all detects) UJ(all non-detects)

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD100-SW01 (Total)	CH-SWSD100-SW01D (Total)			

Project Name and Number: Camp Hero - Camp Hero

Field Duplicate RPD Report

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: WATER

ALUMINUM	486	417	15	30.00	No Qualifiers Applied
BARIUM	18.6	17.1	8	30.00	
CALCIUM	9350	8950	4	30.00	
CHROMIUM	0.87	0.97	11	30.00	
COBALT	0.37	0.37	0	30.00	
COPPER	1.3	1.3	0	30.00	
IRON	322	302	6	30.00	
LEAD	0.40	0.45	12	30.00	
MAGNESIUM	2980	2820	6	30.00	
MANGANESE	14.4	14.3	1	30.00	
NICKEL	1.2	1.4	15	30.00	
POTASSIUM	1280	1200	6	30.00	
SODIUM	13800	13300	4	30.00	
VANADIUM	1.5	1.4	7	30.00	
ZINC	3.8	5.6	38	30.00	J(all detects) UJ(all non-detects)

Method: 7470A
Matrix: WATER

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD135-SW01 (Total)	CH-SWSD135-SW01D (Total)			
MERCURY	0.20 U	0.055	200	30.00	J(all detects) UJ(all non-detects)

Method: 8270D SIM
Matrix: WATER

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD129-SW01	CH-SWSD129-SW01D			
BENZO(B)FLUORANTHENE	0.035	0.026	30	30.00	No Qualifiers Applied
CHRYSENE	0.032	0.024	29	30.00	
1-METHYLNAPHTHALENE	0.023	0.013	56	30.00	J(all detects) UJ(all non-detects)
2-METHYLNAPHTHALENE	0.022	0.014	44	30.00	
ACENAPHTHENE	0.078	0.050	44	30.00	
BENZO(K)FLUORANTHENE	0.013	0.050 U	200	30.00	
FLUORANTHENE	0.053	0.036	38	30.00	
FLUORENE	0.026	0.015	54	30.00	
NAPHTHALENE	0.046	0.060 U	200	30.00	
PHENANTHRENE	0.046	0.060 U	200	30.00	
PYRENE	0.026	0.019	31	30.00	

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD135-SW01-X	CH-SWSD135-SW01D-X			
1-METHYLNAPHTHALENE	0.019	0.015	24	30.00	No Qualifiers Applied
ACENAPHTHENE	0.087	0.081	7	30.00	
BENZO(B)FLUORANTHENE	0.019	0.017	11	30.00	
CHRYSENE	0.020	0.017	16	30.00	
FLUORANTHENE	0.039	0.032	20	30.00	
FLUORENE	0.035	0.029	19	30.00	
PHENANTHRENE	0.044	0.038	15	30.00	
PYRENE	0.019	0.015	24	30.00	

Project Name and Number: Camp Hero - Camp Hero

Field Duplicate RPD Report

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D SIM
Matrix: WATER

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD135-SW01	CH-SWSD135-SW01D			
1-METHYLNAPHTHALENE	0.037	0.029	24	30.00	No Qualifiers Applied
2-METHYLNAPHTHALENE	0.047	0.037	24	30.00	
ACENAPHTHENE	0.10	0.083	19	30.00	
BENZO(B)FLUORANTHENE	0.020	0.021	5	30.00	
CHRYSENE	0.018	0.022	20	30.00	
FLUORANTHENE	0.034	0.044	26	30.00	
FLUORENE	0.034	0.028	19	30.00	
NAPHTHALENE	0.099	0.081	20	30.00	
PHENANTHRENE	0.049	0.050	2	30.00	
PYRENE	0.019	0.028	38	30.00	J(all detects) UJ(all non-detects)

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD100-SW01	CH-SWSD100-SW01D			
ACENAPHTHENE	0.013	0.012	8	30.00	No Qualifiers Applied

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD129-SW01-X	CH-SWSD129-SW01D-X			
1-METHYLNAPHTHALENE	0.011	0.011	0	30.00	No Qualifiers Applied
ACENAPHTHENE	0.063	0.061	3	30.00	
BENZO(B)FLUORANTHENE	0.031	0.029	7	30.00	
BENZO(K)FLUORANTHENE	0.014	0.014	0	30.00	
CHRYSENE	0.027	0.026	4	30.00	
FLUORANTHENE	0.044	0.043	2	30.00	
FLUORENE	0.021	0.021	0	30.00	
PYRENE	0.021	0.023	9	30.00	
BENZO(G,H,I)PERYLENE	0.051 U	0.012	200	30.00	J(all detects)
PHENANTHRENE	0.031	0.060 U	200	30.00	UJ(all non-detects)

Method: 8270D
Matrix: WATER

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD135-SW01	CH-SWSD135-SW01D			
NAPHTHALENE	0.10	0.50 U	200	30.00	J(all detects) UJ(all non-detects)

Method: Calculation
Matrix: WATER

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD100-SW01 (Total)	CH-SWSD100-SW01D (Total)			
TRIVALENT CHROMIUM	0.70	0.85	19	20.00	No Qualifiers Applied

Field Duplicate RPD Report

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: SM 2340B
Matrix: WATER

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD129-SW01	CH-SWSD129-SW01D			
HARDNESS (AS CACO3)	13500	13400	1	30.00	No Qualifiers Applied

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD135-SW01	CH-SWSD135-SW01D			
HARDNESS (AS CACO3)	12300	12200	1	30.00	No Qualifiers Applied

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD100-SW01	CH-SWSD100-SW01D			
HARDNESS (AS CACO3)	35600	34000	5	30.00	No Qualifiers Applied

Reporting Limit Outliers

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 218.6

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD001-SW01	Hexavalent Chromium [Cr (VI)]	J	0.068	0.10	LOQ	ug/L	J (all detects)

Method: 6020A

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD001-SW01	BERYLLIUM	J	0.14	1.0	LOQ	ug/L	
	CHROMIUM	J	0.93	4.0	LOQ	ug/L	
	COBALT	J	0.51	1.0	LOQ	ug/L	
	COPPER	J	0.63	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.72	2.0	LOQ	ug/L	
	VANADIUM	J	0.89	1.0	LOQ	ug/L	
	ZINC	J	7.0	30.0	LOQ	ug/L	
CH-SWSD002-SW01	BERYLLIUM	J	0.16	1.0	LOQ	ug/L	
	CHROMIUM	J	0.83	4.0	LOQ	ug/L	
	COBALT	J	0.55	1.0	LOQ	ug/L	
	COPPER	J	0.74	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.35	2.0	LOQ	ug/L	
	NICKEL	J	1.3	4.0	LOQ	ug/L	
	ZINC	J	12.9	30.0	LOQ	ug/L	
CH-SWSD002-SW01-F	BERYLLIUM	J	0.16	1.0	LOQ	ug/L	
	CHROMIUM	J	0.97	4.0	LOQ	ug/L	
	COBALT	J	0.53	1.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.37	2.0	LOQ	ug/L	
	NICKEL	J	1.3	4.0	LOQ	ug/L	
	ZINC	J	17.4	30.0	LOQ	ug/L	
CH-SWSD003-SW01	BERYLLIUM	J	0.16	1.0	LOQ	ug/L	
	CHROMIUM	J	1.2	4.0	LOQ	ug/L	
	COBALT	J	0.57	1.0	LOQ	ug/L	J (all detects)
	COPPER	J	0.64	4.0	LOQ	ug/L	
	LEAD	J	0.39	2.0	LOQ	ug/L	
	NICKEL	J	1.3	4.0	LOQ	ug/L	
CH-SWSD016-SW01	BERYLLIUM	J	0.15	1.0	LOQ	ug/L	
	CHROMIUM	J	0.68	4.0	LOQ	ug/L	
	COBALT	J	0.45	1.0	LOQ	ug/L	
	COPPER	J	0.66	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.27	2.0	LOQ	ug/L	
	VANADIUM	J	0.82	1.0	LOQ	ug/L	
	ZINC	J	8.3	30.0	LOQ	ug/L	
CH-SWSD017-SW01	BERYLLIUM	J	0.16	1.0	LOQ	ug/L	
	CHROMIUM	J	0.69	4.0	LOQ	ug/L	
	COBALT	J	0.51	1.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.26	2.0	LOQ	ug/L	
	NICKEL	J	0.89	4.0	LOQ	ug/L	
	ZINC	J	7.4	30.0	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**

Matrix: **WATER**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD018-SW01	BERYLLIUM	J	0.16	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	0.66	4.0	LOQ	ug/L	
	COBALT	J	0.46	1.0	LOQ	ug/L	
	COPPER	J	0.55	4.0	LOQ	ug/L	
	LEAD	J	0.23	2.0	LOQ	ug/L	
	NICKEL	J	1.2	4.0	LOQ	ug/L	
	VANADIUM	J	0.80	1.0	LOQ	ug/L	
	ZINC	J	8.1	30.0	LOQ	ug/L	
CH-SWSD019-SW01	BERYLLIUM	J	0.19	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	0.63	4.0	LOQ	ug/L	
	COBALT	J	0.75	1.0	LOQ	ug/L	
	IRON	J	166	200	LOQ	ug/L	
	LEAD	J	0.14	2.0	LOQ	ug/L	
	NICKEL	J	1.2	4.0	LOQ	ug/L	
	VANADIUM	J	0.79	1.0	LOQ	ug/L	
	ZINC	J	8.5	30.0	LOQ	ug/L	
CH-SWSD020-SW01	BERYLLIUM	J	0.21	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	0.71	4.0	LOQ	ug/L	
	COBALT	J	0.63	1.0	LOQ	ug/L	
	COPPER	J	0.71	4.0	LOQ	ug/L	
	LEAD	J	0.16	2.0	LOQ	ug/L	
	NICKEL	J	0.94	4.0	LOQ	ug/L	
	ZINC	J	6.7	30.0	LOQ	ug/L	
CH-SWSD021-SW01	BERYLLIUM	J	0.16	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	0.76	4.0	LOQ	ug/L	
	COBALT	J	0.58	1.0	LOQ	ug/L	
	COPPER	J	0.62	4.0	LOQ	ug/L	
	LEAD	J	0.19	2.0	LOQ	ug/L	
	ZINC	J	8.5	30.0	LOQ	ug/L	
CH-SWSD022-SW01	BERYLLIUM	J	0.11	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.4	4.0	LOQ	ug/L	
	COBALT	J	0.29	1.0	LOQ	ug/L	
	COPPER	J	0.79	4.0	LOQ	ug/L	
	LEAD	J	0.28	2.0	LOQ	ug/L	
CH-SWSD023-SW01	CHROMIUM	J	1.3	4.0	LOQ	ug/L	J (all detects)
	COPPER	J	0.81	4.0	LOQ	ug/L	
	IRON	J	178	200	LOQ	ug/L	
	LEAD	J	0.23	2.0	LOQ	ug/L	
	ZINC	J	25.1	30.0	LOQ	ug/L	
CH-SWSD027-SW01	ARSENIC	J	0.91	4.0	LOQ	ug/L	J (all detects)
	BERYLLIUM	J	0.11	1.0	LOQ	ug/L	
	CHROMIUM	J	1.6	4.0	LOQ	ug/L	
	COBALT	J	0.89	1.0	LOQ	ug/L	
	COPPER	J	1.1	4.0	LOQ	ug/L	
	LEAD	J	1.1	2.0	LOQ	ug/L	
	NICKEL	J	1.9	4.0	LOQ	ug/L	
	ZINC	J	25.5	30.0	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD028-SW01	ARSENIC	J	1.1	4.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.3	4.0	LOQ	ug/L	
	COBALT	J	0.81	1.0	LOQ	ug/L	
	COPPER	J	1.2	4.0	LOQ	ug/L	
	LEAD	J	1.2	2.0	LOQ	ug/L	
	NICKEL	J	2.0	4.0	LOQ	ug/L	
	ZINC	J	27.8	30.0	LOQ	ug/L	
CH-SWSD029-SW01	ARSENIC	J	1.1	4.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.5	4.0	LOQ	ug/L	
	COBALT	J	0.67	1.0	LOQ	ug/L	
	COPPER	J	1.3	4.0	LOQ	ug/L	
	LEAD	J	1.3	2.0	LOQ	ug/L	
	NICKEL	J	1.3	4.0	LOQ	ug/L	
CH-SWSD030-SW01	ARSENIC	J	1.5	4.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.6	4.0	LOQ	ug/L	
	COBALT	J	0.42	1.0	LOQ	ug/L	
	COPPER	J	1.2	4.0	LOQ	ug/L	
	LEAD	J	1.4	2.0	LOQ	ug/L	
	NICKEL	J	1.5	4.0	LOQ	ug/L	
	ZINC	J	27.8	30.0	LOQ	ug/L	
CH-SWSD098-SW01	ARSENIC	J	1.5	4.0	LOQ	ug/L	J (all detects)
	BERYLLIUM	J	0.18	1.0	LOQ	ug/L	
	CADMIUM	J	0.35	1.0	LOQ	ug/L	
	CHROMIUM	J	1.8	4.0	LOQ	ug/L	
	NICKEL	J	3.1	4.0	LOQ	ug/L	
	SELENIUM	J	0.92	4.0	LOQ	ug/L	
CH-SWSD098-SW01-F	CHROMIUM	J	0.78	4.0	LOQ	ug/L	J (all detects)
	COPPER	J	1.4	4.0	LOQ	ug/L	
	LEAD	J	0.35	2.0	LOQ	ug/L	
	NICKEL	J	0.87	4.0	LOQ	ug/L	
	ZINC	J	4.5	30.0	LOQ	ug/L	
CH-SWSD099-SW01	CHROMIUM	J	0.81	4.0	LOQ	ug/L	J (all detects)
	COBALT	J	0.99	1.0	LOQ	ug/L	
	COPPER	J	1.3	4.0	LOQ	ug/L	
	LEAD	J	0.44	2.0	LOQ	ug/L	
	NICKEL	J	1.0	4.0	LOQ	ug/L	
	ZINC	J	5.8	30.0	LOQ	ug/L	
CH-SWSD100-SW01	CHROMIUM	J	0.87	4.0	LOQ	ug/L	J (all detects)
	COBALT	J	0.37	1.0	LOQ	ug/L	
	COPPER	J	1.3	4.0	LOQ	ug/L	
	LEAD	J	0.40	2.0	LOQ	ug/L	
	NICKEL	J	1.2	4.0	LOQ	ug/L	
	ZINC	J	3.8	30.0	LOQ	ug/L	
CH-SWSD100-SW01D	CHROMIUM	J	0.97	4.0	LOQ	ug/L	J (all detects)
	COBALT	J	0.37	1.0	LOQ	ug/L	
	COPPER	J	1.3	4.0	LOQ	ug/L	
	LEAD	J	0.45	2.0	LOQ	ug/L	
	NICKEL	J	1.4	4.0	LOQ	ug/L	
	ZINC	J	5.6	30.0	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD126-SW01	ARSENIC	J	0.68	4.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.2	4.0	LOQ	ug/L	
	COBALT	J	0.40	1.0	LOQ	ug/L	
	COPPER	J	1.1	4.0	LOQ	ug/L	
	LEAD	J	1.5	2.0	LOQ	ug/L	
	NICKEL	J	1.8	4.0	LOQ	ug/L	
	POTASSIUM	J	221	400	LOQ	ug/L	
	ZINC	J	25.8	30.0	LOQ	ug/L	
CH-SWSD127-SW01	CHROMIUM	J	0.97	4.0	LOQ	ug/L	J (all detects)
	COBALT	J	0.32	1.0	LOQ	ug/L	
	COPPER	J	0.79	4.0	LOQ	ug/L	
	LEAD	J	1.1	2.0	LOQ	ug/L	
	NICKEL	J	1.1	4.0	LOQ	ug/L	
	ZINC	J	17.2	30.0	LOQ	ug/L	
CH-SWSD128-SW01	CHROMIUM	J	0.90	4.0	LOQ	ug/L	J (all detects)
	COBALT	J	0.23	1.0	LOQ	ug/L	
	COPPER	J	0.70	4.0	LOQ	ug/L	
	LEAD	J	0.97	2.0	LOQ	ug/L	
	ZINC	J	14.1	30.0	LOQ	ug/L	
CH-SWSD129-SW01	CHROMIUM	J	0.74	4.0	LOQ	ug/L	J (all detects)
	COBALT	J	0.21	1.0	LOQ	ug/L	
	COPPER	J	0.57	4.0	LOQ	ug/L	
	LEAD	J	0.95	2.0	LOQ	ug/L	
	ZINC	J	12.6	30.0	LOQ	ug/L	
CH-SWSD129-SW01D	CHROMIUM	J	1.0	4.0	LOQ	ug/L	J (all detects)
	COBALT	J	0.25	1.0	LOQ	ug/L	
	COPPER	J	0.66	4.0	LOQ	ug/L	
	LEAD	J	0.94	2.0	LOQ	ug/L	
	ZINC	J	13.1	30.0	LOQ	ug/L	
CH-SWSD130-SW01	CHROMIUM	J	0.93	4.0	LOQ	ug/L	J (all detects)
	COPPER	J	0.72	4.0	LOQ	ug/L	
	LEAD	J	0.99	2.0	LOQ	ug/L	
	ZINC	J	11.9	30.0	LOQ	ug/L	
CH-SWSD131-SW01	CHROMIUM	J	1.1	4.0	LOQ	ug/L	J (all detects)
	COPPER	J	0.75	4.0	LOQ	ug/L	
	LEAD	J	0.96	2.0	LOQ	ug/L	
	NICKEL	J	1.1	4.0	LOQ	ug/L	
	ZINC	J	13.1	30.0	LOQ	ug/L	
CH-SWSD132-SW01	CHROMIUM	J	1.1	4.0	LOQ	ug/L	J (all detects)
	COBALT	J	0.23	1.0	LOQ	ug/L	
	COPPER	J	0.61	4.0	LOQ	ug/L	
	LEAD	J	0.92	2.0	LOQ	ug/L	
	ZINC	J	12.5	30.0	LOQ	ug/L	
CH-SWSD133-SW01	CHROMIUM	J	0.73	4.0	LOQ	ug/L	J (all detects)
	COBALT	J	0.29	1.0	LOQ	ug/L	
	LEAD	J	0.93	2.0	LOQ	ug/L	
	ZINC	J	12.5	30.0	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD134-SW01	CHROMIUM	J	1.2	4.0	LOQ	ug/L	J (all detects)
	COBALT	J	0.21	1.0	LOQ	ug/L	
	COPPER	J	0.69	4.0	LOQ	ug/L	
	LEAD	J	1.1	2.0	LOQ	ug/L	
	NICKEL	J	0.93	4.0	LOQ	ug/L	
	ZINC	J	10.1	30.0	LOQ	ug/L	
CH-SWSD135-SW01	CHROMIUM	J	1.1	4.0	LOQ	ug/L	J (all detects)
	COBALT	J	0.22	1.0	LOQ	ug/L	
	COPPER	J	0.75	4.0	LOQ	ug/L	
	LEAD	J	1.1	2.0	LOQ	ug/L	
	ZINC	J	10.7	30.0	LOQ	ug/L	
CH-SWSD135-SW01D	CHROMIUM	J	1.1	4.0	LOQ	ug/L	J (all detects)
	COBALT	J	0.21	1.0	LOQ	ug/L	
	COPPER	J	0.65	4.0	LOQ	ug/L	
	LEAD	J	1.1	2.0	LOQ	ug/L	
	ZINC	J	9.1	30.0	LOQ	ug/L	
CH-SWSD136-SW01	CHROMIUM	J	0.94	4.0	LOQ	ug/L	J (all detects)
	COBALT	J	0.25	1.0	LOQ	ug/L	
	COPPER	J	0.72	4.0	LOQ	ug/L	
	LEAD	J	1.0	2.0	LOQ	ug/L	
	ZINC	J	11.6	30.0	LOQ	ug/L	
CH-SWSD137-SW01	CHROMIUM	J	0.96	4.0	LOQ	ug/L	J (all detects)
	COPPER	J	0.59	4.0	LOQ	ug/L	
	LEAD	J	1.2	2.0	LOQ	ug/L	
	ZINC	J	12.4	30.0	LOQ	ug/L	
CH-SWSD138-SW01	CHROMIUM	J	0.79	4.0	LOQ	ug/L	J (all detects)
	COBALT	J	0.30	1.0	LOQ	ug/L	
	COPPER	J	0.77	4.0	LOQ	ug/L	
	LEAD	J	0.94	2.0	LOQ	ug/L	
	ZINC	J	14.2	30.0	LOQ	ug/L	
CH-SWSD139-SW01	CHROMIUM	J	0.91	4.0	LOQ	ug/L	J (all detects)
	COBALT	J	0.34	1.0	LOQ	ug/L	
	COPPER	J	0.74	4.0	LOQ	ug/L	
	LEAD	J	1.0	2.0	LOQ	ug/L	
	ZINC	J	14.6	30.0	LOQ	ug/L	
CH-SWSD140-SW01	CHROMIUM	J	1.2	4.0	LOQ	ug/L	J (all detects)
	COBALT	J	0.26	1.0	LOQ	ug/L	
	COPPER	J	0.68	4.0	LOQ	ug/L	
	LEAD	J	0.99	2.0	LOQ	ug/L	
	NICKEL	J	1.0	4.0	LOQ	ug/L	
	ZINC	J	11.0	30.0	LOQ	ug/L	

Method: 7470A

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD098-SW01	MERCURY	J	0.080	0.20	LOQ	ug/L	J (all detects)
CH-SWSD127-SW01	MERCURY	J	0.057	0.20	LOQ	ug/L	J (all detects)

Project Name and Number: Camp Hero - Camp Hero

Reporting Limit Outliers

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 7470A
Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD135-SW01D	MERCURY	J	0.055	0.20	LOQ	ug/L	J (all detects)

Method: 8270D
Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD016-SW01	NAPHTHALENE	J	0.11	0.50	LOQ	ug/L	J (all detects)
CH-SWSD030-SW01	Benzo (g,h,i) perylene	J	0.10	0.50	LOQ	ug/L	J (all detects)
CH-SWSD098-SW01	ANTHRACENE Benzo (g,h,i) perylene BENZO(K)FLUORANTHENE INDENO(1,2,3-CD)PYRENE	J J J J	0.17 0.41 0.49 0.39	0.50 0.50 0.50 0.50	LOQ LOQ LOQ LOQ	ug/L ug/L ug/L ug/L	J (all detects)
CH-SWSD127-SW01	ACENAPHTHENE	J	0.11	0.52	LOQ	ug/L	J (all detects)
CH-SWSD130-SW01-X	ACENAPHTHENE	J	0.11	0.54	LOQ	ug/L	J (all detects)
CH-SWSD132-SW01	ACENAPHTHENE	J	0.11	0.51	LOQ	ug/L	J (all detects)
CH-SWSD132-SW01-X	ACENAPHTHENE BENZ(A)ANTHRACENE Benzo (g,h,i) perylene BENZO(A)PYRENE BENZO(B)FLUORANTHENE BENZO(K)FLUORANTHENE CHRYSENE FLUORANTHENE FLUORENE INDENO(1,2,3-CD)PYRENE NAPHTHALENE PYRENE	J J J J J J J J J J J J	0.21 0.23 0.21 0.28 0.41 0.11 0.23 0.41 0.17 0.20 0.11 0.43	0.51 0.51 0.51 0.51 0.51 0.51 0.51 0.51 0.51 0.51 0.51 0.51	LOQ LOQ LOQ LOQ LOQ LOQ LOQ LOQ LOQ LOQ LOQ LOQ	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	J (all detects)
CH-SWSD135-SW01	NAPHTHALENE	J	0.10	0.51	LOQ	ug/L	J (all detects)
CH-SWSD137-SW01	ACENAPHTHENE	J	0.10	0.51	LOQ	ug/L	J (all detects)
CH-SWSD138-SW01	ACENAPHTHENE	J	0.18	0.51	LOQ	ug/L	J (all detects)
CH-SWSD139-SW01	ACENAPHTHENE	J	0.18	0.51	LOQ	ug/L	J (all detects)
CH-SWSD140-SW01-X	ACENAPHTHENE FLUORENE	J J	0.23 0.11	0.51 0.51	LOQ LOQ	ug/L ug/L	J (all detects)
EB-060717-01	2-METHYLNAPHTHALENE NAPHTHALENE PHENANTHRENE	J J J	0.14 0.48 0.17	0.50 0.50 0.50	LOQ LOQ LOQ	ug/L ug/L ug/L	J (all detects)

Method: 8270D SIM
Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD002-SW01-F	2-METHYLNAPHTHALENE	J	0.013	0.051	LOQ	ug/L	J (all detects)

Project Name and Number: Camp Hero - Camp Hero

Reporting Limit Outliers

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**

Matrix: **WATER**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD003-SW01	NAPHTHALENE	J	0.031	0.061	LOQ	ug/L	J (all detects)
CH-SWSD016-SW01	1-METHYLNAPHTHALENE	J	0.034	0.050	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.041	0.050	LOQ	ug/L	
	FLUORANTHENE	J	0.013	0.050	LOQ	ug/L	
CH-SWSD017-SW01	1-METHYLNAPHTHALENE	J	0.035	0.050	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.035	0.050	LOQ	ug/L	
	CHRYSENE	J	0.012	0.050	LOQ	ug/L	
	FLUORANTHENE	J	0.020	0.050	LOQ	ug/L	
	FLUORENE	J	0.048	0.050	LOQ	ug/L	
	PYRENE	J	0.014	0.050	LOQ	ug/L	
CH-SWSD018-SW01	1-METHYLNAPHTHALENE	J	0.029	0.050	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.033	0.050	LOQ	ug/L	
	FLUORANTHENE	J	0.020	0.050	LOQ	ug/L	
	FLUORENE	J	0.038	0.050	LOQ	ug/L	
	PYRENE	J	0.012	0.050	LOQ	ug/L	
CH-SWSD019-SW01	1-METHYLNAPHTHALENE	J	0.016	0.051	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.017	0.051	LOQ	ug/L	
	ACENAPHTHENE	J	0.045	0.051	LOQ	ug/L	
	BENZO(B)FLUORANTHENE	J	0.011	0.051	LOQ	ug/L	
	CHRYSENE	J	0.011	0.051	LOQ	ug/L	
	FLUORANTHENE	J	0.017	0.051	LOQ	ug/L	
	FLUORENE	J	0.019	0.051	LOQ	ug/L	
	PYRENE	J	0.011	0.051	LOQ	ug/L	
CH-SWSD020-SW01	1-METHYLNAPHTHALENE	J	0.014	0.051	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.015	0.051	LOQ	ug/L	
	ACENAPHTHENE	J	0.035	0.051	LOQ	ug/L	
	BENZO(B)FLUORANTHENE	J	0.012	0.051	LOQ	ug/L	
	CHRYSENE	J	0.011	0.051	LOQ	ug/L	
	FLUORANTHENE	J	0.016	0.051	LOQ	ug/L	
	FLUORENE	J	0.014	0.051	LOQ	ug/L	
	PYRENE	J	0.012	0.051	LOQ	ug/L	
CH-SWSD021-SW01	1-METHYLNAPHTHALENE	J	0.027	0.051	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.036	0.051	LOQ	ug/L	
	BENZ(A)ANTHRACENE	J	0.014	0.051	LOQ	ug/L	
	BENZO(B)FLUORANTHENE	J	0.025	0.051	LOQ	ug/L	
	CHRYSENE	J	0.021	0.051	LOQ	ug/L	
	FLUORANTHENE	J	0.028	0.051	LOQ	ug/L	
	FLUORENE	J	0.024	0.051	LOQ	ug/L	
	NAPHTHALENE	J	0.058	0.061	LOQ	ug/L	
	PYRENE	J	0.021	0.051	LOQ	ug/L	
CH-SWSD022-SW01	2-METHYLNAPHTHALENE	J	0.012	0.051	LOQ	ug/L	J (all detects)
	BENZO(B)FLUORANTHENE	J	0.017	0.051	LOQ	ug/L	
	CHRYSENE	J	0.015	0.051	LOQ	ug/L	
	FLUORANTHENE	J	0.012	0.051	LOQ	ug/L	
CH-SWSD027-SW01	ACENAPHTHENE	J	0.016	0.050	LOQ	ug/L	J (all detects)
	BENZO(B)FLUORANTHENE	J	0.019	0.050	LOQ	ug/L	
	BENZO(G,H,I)PERYLENE	J	0.012	0.050	LOQ	ug/L	
	CHRYSENE	J	0.022	0.050	LOQ	ug/L	
	FLUORANTHENE	J	0.020	0.050	LOQ	ug/L	
	PYRENE	J	0.015	0.050	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**

Matrix: **WATER**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD027-SW01-X	ANTHRACENE	J	0.015	0.051	LOQ	ug/L	J (all detects)
	BENZ(A)ANTHRACENE	J	0.023	0.051	LOQ	ug/L	
	BENZO(A)PYRENE	J	0.015	0.051	LOQ	ug/L	
	BENZO(B)FLUORANTHENE	J	0.032	0.051	LOQ	ug/L	
	BENZO(G,H,I)PERYLENE	J	0.020	0.051	LOQ	ug/L	
	BENZO(K)FLUORANTHENE	J	0.020	0.051	LOQ	ug/L	
	CHRYSENE	J	0.032	0.051	LOQ	ug/L	
	DIBENZO(A,H)ANTHRACENE	J	0.016	0.051	LOQ	ug/L	
	FLUORANTHENE	J	0.033	0.051	LOQ	ug/L	
	FLUORENE	J	0.030	0.051	LOQ	ug/L	
	INDENO(1,2,3-CD)PYRENE	J	0.021	0.051	LOQ	ug/L	
	PYRENE	J	0.043	0.051	LOQ	ug/L	
CH-SWSD028-SW01	2-METHYLNAPHTHALENE	J	0.011	0.050	LOQ	ug/L	J (all detects)
	ACENAPHTHENE	J	0.013	0.050	LOQ	ug/L	
	BENZO(B)FLUORANTHENE	J	0.018	0.050	LOQ	ug/L	
	CHRYSENE	J	0.021	0.050	LOQ	ug/L	
	FLUORANTHENE	J	0.018	0.050	LOQ	ug/L	
	PYRENE	J	0.014	0.050	LOQ	ug/L	
CH-SWSD029-SW01	1-METHYLNAPHTHALENE	J	0.014	0.051	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.020	0.051	LOQ	ug/L	
	ACENAPHTHENE	J	0.014	0.051	LOQ	ug/L	
	BENZ(A)ANTHRACENE	J	0.013	0.051	LOQ	ug/L	
	BENZO(B)FLUORANTHENE	J	0.024	0.051	LOQ	ug/L	
	BENZO(K)FLUORANTHENE	J	0.011	0.051	LOQ	ug/L	
	CHRYSENE	J	0.026	0.051	LOQ	ug/L	
	FLUORANTHENE	J	0.025	0.051	LOQ	ug/L	
	PYRENE	J	0.022	0.051	LOQ	ug/L	
CH-SWSD030-SW01	1-METHYLNAPHTHALENE	J	0.011	0.050	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.012	0.050	LOQ	ug/L	
	ACENAPHTHENE	J	0.011	0.050	LOQ	ug/L	
	BENZ(A)ANTHRACENE	J	0.023	0.050	LOQ	ug/L	
	BENZO(A)PYRENE	J	0.040	0.050	LOQ	ug/L	
	BENZO(K)FLUORANTHENE	J	0.043	0.050	LOQ	ug/L	
	DIBENZO(A,H)ANTHRACENE	J	0.012	0.050	LOQ	ug/L	
	FLUORANTHENE	J	0.040	0.050	LOQ	ug/L	
	INDENO(1,2,3-CD)PYRENE	J	0.047	0.050	LOQ	ug/L	
	PYRENE	J	0.033	0.050	LOQ	ug/L	
CH-SWSD030-SW01-X	1-METHYLNAPHTHALENE	J	0.040	0.050	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.036	0.050	LOQ	ug/L	
	BENZO(B)FLUORANTHENE	J	0.024	0.050	LOQ	ug/L	
	BENZO(G,H,I)PERYLENE	J	0.011	0.050	LOQ	ug/L	
	CHRYSENE	J	0.024	0.050	LOQ	ug/L	
	FLUORANTHENE	J	0.024	0.050	LOQ	ug/L	
	PYRENE	J	0.022	0.050	LOQ	ug/L	
CH-SWSD098-SW01	NAPHTHALENE	J	0.057	0.060	LOQ	ug/L	J (all detects)
CH-SWSD098-SW01-F	1-METHYLNAPHTHALENE	J	0.018	0.050	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.022	0.050	LOQ	ug/L	
	ACENAPHTHENE	J	0.034	0.050	LOQ	ug/L	
CH-SWSD099-SW01	1-METHYLNAPHTHALENE	J	0.015	0.050	LOQ	ug/L	J (all detects)
	FLUORANTHENE	J	0.011	0.050	LOQ	ug/L	
	FLUORENE	J	0.013	0.050	LOQ	ug/L	
	NAPHTHALENE	J	0.036	0.060	LOQ	ug/L	

Project Name and Number: Camp Hero - Camp Hero

Reporting Limit Outliers

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**

Matrix: **WATER**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD100-SW01	ACENAPHTHENE	J	0.013	0.051	LOQ	ug/L	J (all detects)
CH-SWSD100-SW01D	ACENAPHTHENE	J	0.012	0.051	LOQ	ug/L	J (all detects)
CH-SWSD126-SW01	1-METHYLNAPHTHALENE	J	0.020	0.051	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.013	0.051	LOQ	ug/L	
	ANTHRACENE	J	0.015	0.051	LOQ	ug/L	
	BENZ(A)ANTHRACENE	J	0.015	0.051	LOQ	ug/L	
	BENZO(B)FLUORANTHENE	J	0.036	0.051	LOQ	ug/L	
	BENZO(K)FLUORANTHENE	J	0.016	0.051	LOQ	ug/L	
	CHRYSENE	J	0.046	0.051	LOQ	ug/L	
	FLUORENE	J	0.034	0.051	LOQ	ug/L	
CH-SWSD126-SW01-X	BENZO(B)FLUORANTHENE	J	0.024	0.050	LOQ	ug/L	J (all detects)
	BENZO(K)FLUORANTHENE	J	0.011	0.050	LOQ	ug/L	
	CHRYSENE	J	0.024	0.050	LOQ	ug/L	
	FLUORENE	J	0.020	0.050	LOQ	ug/L	
	PHENANTHRENE	J	0.045	0.060	LOQ	ug/L	
	PYRENE	J	0.027	0.050	LOQ	ug/L	
CH-SWSD127-SW01	1-METHYLNAPHTHALENE	J	0.021	0.052	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.017	0.052	LOQ	ug/L	
	BENZO(B)FLUORANTHENE	J	0.026	0.052	LOQ	ug/L	
	BENZO(K)FLUORANTHENE	J	0.014	0.052	LOQ	ug/L	
	CHRYSENE	J	0.030	0.052	LOQ	ug/L	
	FLUORENE	J	0.036	0.052	LOQ	ug/L	
	NAPHTHALENE	J	0.032	0.062	LOQ	ug/L	
	PYRENE	J	0.039	0.052	LOQ	ug/L	
CH-SWSD127-SW01-X	1-METHYLNAPHTHALENE	J	0.017	0.051	LOQ	ug/L	J (all detects)
	BENZO(B)FLUORANTHENE	J	0.023	0.051	LOQ	ug/L	
	BENZO(K)FLUORANTHENE	J	0.013	0.051	LOQ	ug/L	
	CHRYSENE	J	0.027	0.051	LOQ	ug/L	
	FLUORENE	J	0.040	0.051	LOQ	ug/L	
	PYRENE	J	0.034	0.051	LOQ	ug/L	
CH-SWSD128-SW01	ACENAPHTHENE	J	0.039	0.052	LOQ	ug/L	J (all detects)
	BENZO(B)FLUORANTHENE	J	0.028	0.052	LOQ	ug/L	
	CHRYSENE	J	0.025	0.052	LOQ	ug/L	
	FLUORANTHENE	J	0.039	0.052	LOQ	ug/L	
	FLUORENE	J	0.013	0.052	LOQ	ug/L	
	PYRENE	J	0.018	0.052	LOQ	ug/L	
CH-SWSD129-SW01	1-METHYLNAPHTHALENE	J	0.023	0.051	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.022	0.051	LOQ	ug/L	
	BENZO(B)FLUORANTHENE	J	0.035	0.051	LOQ	ug/L	
	BENZO(K)FLUORANTHENE	J	0.013	0.051	LOQ	ug/L	
	CHRYSENE	J	0.032	0.051	LOQ	ug/L	
	FLUORENE	J	0.026	0.051	LOQ	ug/L	
	NAPHTHALENE	J	0.046	0.061	LOQ	ug/L	
	PHENANTHRENE	J	0.046	0.061	LOQ	ug/L	
	PYRENE	J	0.026	0.051	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**

Matrix: **WATER**

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD129-SW01D	1-METHYLNAPHTHALENE	J	0.013	0.050	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.014	0.050	LOQ	ug/L	
	BENZO(B)FLUORANTHENE	J	0.026	0.050	LOQ	ug/L	
	CHRYSENE	J	0.024	0.050	LOQ	ug/L	
	FLUORANTHENE	J	0.036	0.050	LOQ	ug/L	
	FLUORENE	J	0.015	0.050	LOQ	ug/L	
	PYRENE	J	0.019	0.050	LOQ	ug/L	
CH-SWSD129-SW01D-X	1-METHYLNAPHTHALENE	J	0.011	0.050	LOQ	ug/L	J (all detects)
	BENZO(B)FLUORANTHENE	J	0.029	0.050	LOQ	ug/L	
	BENZO(G,H,I)PERYLENE	J	0.012	0.050	LOQ	ug/L	
	BENZO(K)FLUORANTHENE	J	0.014	0.050	LOQ	ug/L	
	CHRYSENE	J	0.026	0.050	LOQ	ug/L	
	FLUORANTHENE	J	0.043	0.050	LOQ	ug/L	
	FLUORENE	J	0.021	0.050	LOQ	ug/L	
	PYRENE	J	0.023	0.050	LOQ	ug/L	
CH-SWSD129-SW01-X	1-METHYLNAPHTHALENE	J	0.011	0.051	LOQ	ug/L	J (all detects)
	BENZO(B)FLUORANTHENE	J	0.031	0.051	LOQ	ug/L	
	BENZO(K)FLUORANTHENE	J	0.014	0.051	LOQ	ug/L	
	CHRYSENE	J	0.027	0.051	LOQ	ug/L	
	FLUORANTHENE	J	0.044	0.051	LOQ	ug/L	
	FLUORENE	J	0.021	0.051	LOQ	ug/L	
	PHENANTHRENE	J	0.031	0.061	LOQ	ug/L	
	PYRENE	J	0.021	0.051	LOQ	ug/L	
CH-SWSD130-SW01	ACENAPHTHENE	J	0.026	0.050	LOQ	ug/L	J (all detects)
	FLUORANTHENE	J	0.012	0.050	LOQ	ug/L	
CH-SWSD130-SW01-X	1-METHYLNAPHTHALENE	J	0.029	0.052	LOQ	ug/L	J (all detects)
	BENZO(B)FLUORANTHENE	J	0.029	0.052	LOQ	ug/L	
	BENZO(K)FLUORANTHENE	J	0.015	0.052	LOQ	ug/L	
	CHRYSENE	J	0.025	0.052	LOQ	ug/L	
	FLUORANTHENE	J	0.042	0.052	LOQ	ug/L	
	FLUORENE	J	0.032	0.052	LOQ	ug/L	
	PHENANTHRENE	J	0.035	0.062	LOQ	ug/L	
	PYRENE	J	0.024	0.052	LOQ	ug/L	
CH-SWSD131-SW01	1-METHYLNAPHTHALENE	J	0.028	0.050	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.027	0.050	LOQ	ug/L	
	BENZO(B)FLUORANTHENE	J	0.025	0.050	LOQ	ug/L	
	BENZO(K)FLUORANTHENE	J	0.012	0.050	LOQ	ug/L	
	CHRYSENE	J	0.026	0.050	LOQ	ug/L	
	FLUORANTHENE	J	0.049	0.050	LOQ	ug/L	
	FLUORENE	J	0.033	0.050	LOQ	ug/L	
	NAPHTHALENE	J	0.033	0.060	LOQ	ug/L	
	PHENANTHRENE	J	0.049	0.060	LOQ	ug/L	
	PYRENE	J	0.024	0.050	LOQ	ug/L	
CH-SWSD131-SW01-X	1-METHYLNAPHTHALENE	J	0.020	0.051	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.012	0.051	LOQ	ug/L	
	BENZO(B)FLUORANTHENE	J	0.025	0.051	LOQ	ug/L	
	BENZO(K)FLUORANTHENE	J	0.011	0.051	LOQ	ug/L	
	CHRYSENE	J	0.022	0.051	LOQ	ug/L	
	FLUORANTHENE	J	0.043	0.051	LOQ	ug/L	
	FLUORENE	J	0.029	0.051	LOQ	ug/L	
	PHENANTHRENE	J	0.036	0.061	LOQ	ug/L	
	PYRENE	J	0.021	0.051	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**

Matrix: **WATER**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD132-SW01	1-METHYLNAPHTHALENE	J	0.038	0.051	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.030	0.051	LOQ	ug/L	
	BENZO(B)FLUORANTHENE	J	0.031	0.051	LOQ	ug/L	
	BENZO(K)FLUORANTHENE	J	0.014	0.051	LOQ	ug/L	
	CHRYSENE	J	0.034	0.051	LOQ	ug/L	
	FLUORENE	J	0.041	0.051	LOQ	ug/L	
	NAPHTHALENE	J	0.038	0.061	LOQ	ug/L	
	PYRENE	J	0.050	0.051	LOQ	ug/L	
CH-SWSD132-SW01-X	1-METHYLNAPHTHALENE	J	0.023	0.050	LOQ	ug/L	J (all detects)
	BENZO(B)FLUORANTHENE	J	0.027	0.050	LOQ	ug/L	
	BENZO(K)FLUORANTHENE	J	0.013	0.050	LOQ	ug/L	
	CHRYSENE	J	0.026	0.050	LOQ	ug/L	
	FLUORENE	J	0.046	0.050	LOQ	ug/L	
	PHENANTHRENE	J	0.050	0.060	LOQ	ug/L	
	PYRENE	J	0.028	0.050	LOQ	ug/L	
CH-SWSD133-SW01	1-METHYLNAPHTHALENE	J	0.029	0.051	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.024	0.051	LOQ	ug/L	
	BENZO(B)FLUORANTHENE	J	0.026	0.051	LOQ	ug/L	
	BENZO(K)FLUORANTHENE	J	0.012	0.051	LOQ	ug/L	
	CHRYSENE	J	0.027	0.051	LOQ	ug/L	
	FLUORENE	J	0.035	0.051	LOQ	ug/L	
	NAPHTHALENE	J	0.035	0.061	LOQ	ug/L	
	PYRENE	J	0.030	0.051	LOQ	ug/L	
CH-SWSD133-SW01-X	1-METHYLNAPHTHALENE	J	0.018	0.051	LOQ	ug/L	J (all detects)
	BENZO(B)FLUORANTHENE	J	0.027	0.051	LOQ	ug/L	
	BENZO(K)FLUORANTHENE	J	0.011	0.051	LOQ	ug/L	
	CHRYSENE	J	0.025	0.051	LOQ	ug/L	
	FLUORENE	J	0.037	0.051	LOQ	ug/L	
	PHENANTHRENE	J	0.050	0.061	LOQ	ug/L	
	PYRENE	J	0.028	0.051	LOQ	ug/L	
CH-SWSD134-SW01	1-METHYLNAPHTHALENE	J	0.034	0.051	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.041	0.051	LOQ	ug/L	
	BENZO(B)FLUORANTHENE	J	0.019	0.051	LOQ	ug/L	
	CHRYSENE	J	0.020	0.051	LOQ	ug/L	
	FLUORANTHENE	J	0.037	0.051	LOQ	ug/L	
	FLUORENE	J	0.030	0.051	LOQ	ug/L	
	PHENANTHRENE	J	0.049	0.061	LOQ	ug/L	
	PYRENE	J	0.022	0.051	LOQ	ug/L	
CH-SWSD134-SW01-X	1-METHYLNAPHTHALENE	J	0.026	0.050	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.022	0.050	LOQ	ug/L	
	BENZO(B)FLUORANTHENE	J	0.018	0.050	LOQ	ug/L	
	CHRYSENE	J	0.016	0.050	LOQ	ug/L	
	FLUORANTHENE	J	0.033	0.050	LOQ	ug/L	
	FLUORENE	J	0.028	0.050	LOQ	ug/L	
	PHENANTHRENE	J	0.039	0.060	LOQ	ug/L	
	PYRENE	J	0.016	0.050	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**

Matrix: **WATER**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD135-SW01	1-METHYLNAPHTHALENE	J	0.037	0.051	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.047	0.051	LOQ	ug/L	
	BENZO(B)FLUORANTHENE	J	0.020	0.051	LOQ	ug/L	
	CHRYSENE	J	0.018	0.051	LOQ	ug/L	
	FLUORANTHENE	J	0.034	0.051	LOQ	ug/L	
	FLUORENE	J	0.034	0.051	LOQ	ug/L	
	PHENANTHRENE	J	0.049	0.061	LOQ	ug/L	
	PYRENE	J	0.019	0.051	LOQ	ug/L	
CH-SWSD135-SW01D	1-METHYLNAPHTHALENE	J	0.029	0.050	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.037	0.050	LOQ	ug/L	
	BENZO(B)FLUORANTHENE	J	0.021	0.050	LOQ	ug/L	
	CHRYSENE	J	0.022	0.050	LOQ	ug/L	
	FLUORANTHENE	J	0.044	0.050	LOQ	ug/L	
	FLUORENE	J	0.028	0.050	LOQ	ug/L	
	PHENANTHRENE	J	0.050	0.060	LOQ	ug/L	
	PYRENE	J	0.028	0.050	LOQ	ug/L	
CH-SWSD135-SW01D-X	1-METHYLNAPHTHALENE	J	0.015	0.050	LOQ	ug/L	J (all detects)
	BENZO(B)FLUORANTHENE	J	0.017	0.050	LOQ	ug/L	
	CHRYSENE	J	0.017	0.050	LOQ	ug/L	
	FLUORANTHENE	J	0.032	0.050	LOQ	ug/L	
	FLUORENE	J	0.029	0.050	LOQ	ug/L	
	PHENANTHRENE	J	0.038	0.060	LOQ	ug/L	
	PYRENE	J	0.015	0.050	LOQ	ug/L	
CH-SWSD135-SW01-X	1-METHYLNAPHTHALENE	J	0.019	0.051	LOQ	ug/L	J (all detects)
	BENZO(B)FLUORANTHENE	J	0.019	0.051	LOQ	ug/L	
	CHRYSENE	J	0.020	0.051	LOQ	ug/L	
	FLUORANTHENE	J	0.039	0.051	LOQ	ug/L	
	FLUORENE	J	0.035	0.051	LOQ	ug/L	
	PHENANTHRENE	J	0.044	0.061	LOQ	ug/L	
	PYRENE	J	0.019	0.051	LOQ	ug/L	
CH-SWSD136-SW01	1-METHYLNAPHTHALENE	J	0.045	0.050	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.043	0.050	LOQ	ug/L	
	BENZO(B)FLUORANTHENE	J	0.018	0.050	LOQ	ug/L	
	CHRYSENE	J	0.019	0.050	LOQ	ug/L	
	FLUORANTHENE	J	0.040	0.050	LOQ	ug/L	
	FLUORENE	J	0.041	0.050	LOQ	ug/L	
	NAPHTHALENE	J	0.057	0.060	LOQ	ug/L	
	PHENANTHRENE	J	0.057	0.060	LOQ	ug/L	
	PYRENE	J	0.022	0.050	LOQ	ug/L	
CH-SWSD136-SW01-X	1-METHYLNAPHTHALENE	J	0.014	0.051	LOQ	ug/L	J (all detects)
	BENZO(B)FLUORANTHENE	J	0.011	0.051	LOQ	ug/L	
	CHRYSENE	J	0.013	0.051	LOQ	ug/L	
	FLUORANTHENE	J	0.028	0.051	LOQ	ug/L	
	FLUORENE	J	0.030	0.051	LOQ	ug/L	
	PHENANTHRENE	J	0.032	0.061	LOQ	ug/L	
	PYRENE	J	0.015	0.051	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**

Matrix: **WATER**

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD137-SW01	1-METHYLNAPHTHALENE	J	0.043	0.051	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.043	0.051	LOQ	ug/L	
	BENZO(B)FLUORANTHENE	J	0.015	0.051	LOQ	ug/L	
	CHRYSENE	J	0.019	0.051	LOQ	ug/L	
	FLUORANTHENE	J	0.040	0.051	LOQ	ug/L	
	FLUORENE	J	0.042	0.051	LOQ	ug/L	
	NAPHTHALENE	J	0.052	0.061	LOQ	ug/L	
	PYRENE	J	0.023	0.051	LOQ	ug/L	
CH-SWSD137-SW01-X	1-METHYLNAPHTHALENE	J	0.033	0.050	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.021	0.050	LOQ	ug/L	
	BENZO(B)FLUORANTHENE	J	0.016	0.050	LOQ	ug/L	
	CHRYSENE	J	0.017	0.050	LOQ	ug/L	
	FLUORANTHENE	J	0.036	0.050	LOQ	ug/L	
	FLUORENE	J	0.035	0.050	LOQ	ug/L	
	PHENANTHRENE	J	0.045	0.060	LOQ	ug/L	
	PYRENE	J	0.023	0.050	LOQ	ug/L	
CH-SWSD138-SW01	ANTHRACENE	J	0.013	0.051	LOQ	ug/L	J (all detects)
	BENZO(B)FLUORANTHENE	J	0.017	0.051	LOQ	ug/L	
	CHRYSENE	J	0.018	0.051	LOQ	ug/L	
	FLUORANTHENE	J	0.047	0.051	LOQ	ug/L	
	PYRENE	J	0.033	0.051	LOQ	ug/L	
CH-SWSD138-SW01-X	1-METHYLNAPHTHALENE	J	0.012	0.050	LOQ	ug/L	J (all detects)
	BENZO(B)FLUORANTHENE	J	0.012	0.050	LOQ	ug/L	
	CHRYSENE	J	0.015	0.050	LOQ	ug/L	
	FLUORANTHENE	J	0.040	0.050	LOQ	ug/L	
	PHENANTHRENE	J	0.052	0.060	LOQ	ug/L	
	PYRENE	J	0.026	0.050	LOQ	ug/L	
CH-SWSD139-SW01	ANTHRACENE	J	0.012	0.051	LOQ	ug/L	J (all detects)
	BENZO(B)FLUORANTHENE	J	0.015	0.051	LOQ	ug/L	
	CHRYSENE	J	0.018	0.051	LOQ	ug/L	
	FLUORANTHENE	J	0.050	0.051	LOQ	ug/L	
	PYRENE	J	0.030	0.051	LOQ	ug/L	
CH-SWSD139-SW01-X	1-METHYLNAPHTHALENE	J	0.011	0.051	LOQ	ug/L	J (all detects)
	BENZO(B)FLUORANTHENE	J	0.013	0.051	LOQ	ug/L	
	CHRYSENE	J	0.016	0.051	LOQ	ug/L	
	FLUORANTHENE	J	0.046	0.051	LOQ	ug/L	
	PHENANTHRENE	J	0.059	0.061	LOQ	ug/L	
	PYRENE	J	0.027	0.051	LOQ	ug/L	
CH-SWSD140-SW01	1-METHYLNAPHTHALENE	J	0.020	0.050	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.021	0.050	LOQ	ug/L	
	FLUORANTHENE	J	0.019	0.050	LOQ	ug/L	
	FLUORENE	J	0.028	0.050	LOQ	ug/L	
	NAPHTHALENE	J	0.033	0.060	LOQ	ug/L	
	PHENANTHRENE	J	0.031	0.060	LOQ	ug/L	
	PYRENE	J	0.012	0.050	LOQ	ug/L	
CH-SWSD140-SW01-X	1-METHYLNAPHTHALENE	J	0.021	0.051	LOQ	ug/L	J (all detects)
	ANTHRACENE	J	0.011	0.051	LOQ	ug/L	
	BENZO(B)FLUORANTHENE	J	0.021	0.051	LOQ	ug/L	
	CHRYSENE	J	0.021	0.051	LOQ	ug/L	
	PHENANTHRENE	J	0.057	0.061	LOQ	ug/L	
	PYRENE	J	0.029	0.051	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D SIM

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB-060717-01	ANTHRACENE	J	0.031	0.050	LOQ	ug/L	
	FLUORANTHENE	J	0.032	0.050	LOQ	ug/L	J (all detects)
	PYRENE	J	0.021	0.050	LOQ	ug/L	

Method: Calculation

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD001-SW01	TRIVALENT CHROMIUM	J	0.86	4.0	LOQ	ug/L	J (all detects)
CH-SWSD002-SW01	TRIVALENT CHROMIUM	J	0.72	4.0	LOQ	ug/L	J (all detects)
CH-SWSD002-SW01-F	TRIVALENT CHROMIUM	J	0.79	4.0	LOQ	ug/L	J (all detects)
CH-SWSD003-SW01	TRIVALENT CHROMIUM	J	1.0	4.0	LOQ	ug/L	J (all detects)
CH-SWSD022-SW01	TRIVALENT CHROMIUM	J	0.59	4.0	LOQ	ug/L	J (all detects)
CH-SWSD027-SW01	TRIVALENT CHROMIUM	J	1.1	4.0	LOQ	ug/L	J (all detects)
CH-SWSD028-SW01	TRIVALENT CHROMIUM	J	0.91	4.0	LOQ	ug/L	J (all detects)
CH-SWSD029-SW01	TRIVALENT CHROMIUM	J	1.1	4.0	LOQ	ug/L	J (all detects)
CH-SWSD030-SW01	TRIVALENT CHROMIUM	J	1.1	4.0	LOQ	ug/L	J (all detects)
CH-SWSD100-SW01	TRIVALENT CHROMIUM	J	0.70	4.0	LOQ	ug/L	J (all detects)
CH-SWSD100-SW01D	TRIVALENT CHROMIUM	J	0.85	4.0	LOQ	ug/L	J (all detects)
CH-SWSD140-SW01	TRIVALENT CHROMIUM	J	0.98	4.0	LOQ	ug/L	J (all detects)

Method Blank Outlier Report

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**
Matrix: **WATER**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P16363AB163063901	6/19/2017 11:40:00 PM	MANGANESE	1.5 ug/L	CH-SWSD027-SW01 CH-SWSD028-SW01 CH-SWSD030-SW01 CH-SWSD126-SW01 CH-SWSD127-SW01 CH-SWSD128-SW01 CH-SWSD129-SW01 CH-SWSD129-SW01D CH-SWSD130-SW01 CH-SWSD131-SW01 CH-SWSD132-SW01 CH-SWSD133-SW01 CH-SWSD134-SW01 CH-SWSD135-SW01 CH-SWSD135-SW01D CH-SWSD136-SW01 CH-SWSD137-SW01 CH-SWSD138-SW01 CH-SWSD139-SW01 CH-SWSD140-SW01

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
CH-SWSD127-SW01(Initial/TOT)	MANGANESE	7.3 ug/L	7.3U ug/L
CH-SWSD128-SW01(Initial/TOT)	MANGANESE	7.2 ug/L	7.2U ug/L
CH-SWSD129-SW01(Initial/TOT)	MANGANESE	6.3 ug/L	6.3U ug/L
CH-SWSD129-SW01D(Initial/TOT)	MANGANESE	5.7 ug/L	5.7U ug/L
CH-SWSD130-SW01(Initial/TOT)	MANGANESE	5.7 ug/L	5.7U ug/L
CH-SWSD132-SW01(Initial/TOT)	MANGANESE	6.5 ug/L	6.5U ug/L
CH-SWSD133-SW01(Initial/TOT)	MANGANESE	6.6 ug/L	6.6U ug/L
CH-SWSD134-SW01(Initial/TOT)	MANGANESE	6.2 ug/L	6.2U ug/L
CH-SWSD135-SW01(Initial/TOT)	MANGANESE	6.1 ug/L	6.1U ug/L
CH-SWSD135-SW01D(Initial/TOT)	MANGANESE	6.3 ug/L	6.3U ug/L
CH-SWSD137-SW01(Initial/TOT)	MANGANESE	6.3 ug/L	6.3U ug/L
CH-SWSD138-SW01(Initial/TOT)	MANGANESE	5.6 ug/L	5.6U ug/L
CH-SWSD139-SW01(Initial/TOT)	MANGANESE	7.0 ug/L	7.0U ug/L
CH-SWSD140-SW01(Initial/TOT)	MANGANESE	6.6 ug/L	6.6U ug/L

Method Blank Outlier Report

Lab Reporting Batch ID: APP26 **Laboratory: LLL**

EDD Filename: APP26-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**
Matrix: **WATER**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
PLKWO18B181WAO026	7/10/2017 10:06:00 AM	2-METHYLNAPHTHALENE	0.014 ug/L	CH-SWSD027-SW01 CH-SWSD030-SW01 CH-SWSD126-SW01 CH-SWSD127-SW01 CH-SWSD128-SW01 CH-SWSD129-SW01 CH-SWSD129-SW01D CH-SWSD130-SW01 CH-SWSD131-SW01 CH-SWSD132-SW01 CH-SWSD133-SW01 CH-SWSD134-SW01 CH-SWSD135-SW01 CH-SWSD135-SW01D CH-SWSD136-SW01 CH-SWSD137-SW01 CH-SWSD138-SW01 CH-SWSD139-SW01 CH-SWSD140-SW01 EB-060717-01

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
CH-SWSD030-SW01(Initial/TOT)	2-METHYLNAPHTHALENE	0.012 ug/L	0.050U ug/L
CH-SWSD126-SW01(Initial/TOT)	2-METHYLNAPHTHALENE	0.013 ug/L	0.051U ug/L
CH-SWSD127-SW01(Initial/TOT)	2-METHYLNAPHTHALENE	0.017 ug/L	0.052U ug/L
CH-SWSD129-SW01(Initial/TOT)	2-METHYLNAPHTHALENE	0.022 ug/L	0.051U ug/L
CH-SWSD129-SW01D(Initial/TOT)	2-METHYLNAPHTHALENE	0.014 ug/L	0.050U ug/L
CH-SWSD131-SW01(Initial/TOT)	2-METHYLNAPHTHALENE	0.027 ug/L	0.050U ug/L
CH-SWSD132-SW01(Initial/TOT)	2-METHYLNAPHTHALENE	0.030 ug/L	0.051U ug/L
CH-SWSD133-SW01(Initial/TOT)	2-METHYLNAPHTHALENE	0.024 ug/L	0.051U ug/L
CH-SWSD134-SW01(Initial/TOT)	2-METHYLNAPHTHALENE	0.041 ug/L	0.051U ug/L
CH-SWSD135-SW01(Initial/TOT)	2-METHYLNAPHTHALENE	0.047 ug/L	0.051U ug/L
CH-SWSD135-SW01D(Initial/TOT)	2-METHYLNAPHTHALENE	0.037 ug/L	0.050U ug/L
CH-SWSD136-SW01(Initial/TOT)	2-METHYLNAPHTHALENE	0.043 ug/L	0.050U ug/L
CH-SWSD137-SW01(Initial/TOT)	2-METHYLNAPHTHALENE	0.043 ug/L	0.051U ug/L
CH-SWSD138-SW01(Initial/TOT)	2-METHYLNAPHTHALENE	0.067 ug/L	0.067U ug/L
CH-SWSD139-SW01(Initial/TOT)	2-METHYLNAPHTHALENE	0.067 ug/L	0.067U ug/L
CH-SWSD140-SW01(Initial/TOT)	2-METHYLNAPHTHALENE	0.021 ug/L	0.050U ug/L

Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page	1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.		
Laboratory SDG:	APP27		
Date(s) of Collection:	June 9th – 10th, 2017		
Number/Type Samples & Analyses:	31 sediment samples plus 2 MS/MSD and 1 duplicate for a project-specific list of SVOCs, PAHs, hexavalent chromium, and metals		
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA		
Completed:	November 18th, 2017		

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for sediment data included in Sample Delivery Group (SDG) APP27. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017.

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✓ Holding times and sample preservation

✗ Laboratory method blank data

✓ Field rinsate blank data

NA Trip blank data

✗ Laboratory control sample (LCS) recoveries

✗ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✗ Surrogate recoveries

✗ Laboratory duplicate results

✗ Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of "J" data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

Samples CH-SWSD004-SE01, CH-SWSD005-SE01, CH-SWSD006-SE01, CH-SWSD007-SE01, CH-SWSD154-SE01, CH-SWSD155-SE01, CH-SWSD153-SE01, CH-SWSD151-SE01, CH-SWSD152-SE01, CH-SWSD008-SE01, CH-SWSD009-SE01, CH-SWSD015-SE01, CH-SWSD011-SE01, CH-SWSD012-SE01, CH-SWSD111-SE01, and CH-SWSD013-SE01 were run for regular 8270 and 8270 SIM. The final results will be presented in 8270 SIM.

Analytes were over calibration in method 8270D in samples CH-SWSD147-SE01 (fluoranthene) and CH-SWSD146-SE01 (fluoranthene). The samples were diluted and re-analyzed. All results will be presented in the undiluted except for the analytes that were over calibration.

Samples CH-SWSD151-SE01, CH-SWSD152-SE01, CH-SWSD015-SE01, CH-SWSD011-SE01, CH-SWSD012-SE01, and CH-SWSD013-SE01 were analyzed for 8270D SIM however the SECC exceeded the +/- 50% of the expected value from the ICAL. Samples and the SECC were analyzed and the SECC was once again outside the limits which indicated a matrix effect. Both sets of results are comparable. The initial results will be presented.

Sample CH-SWSD111-SE01 was analyzed twice for regular 8270D due to low surrogate recovery. The sample was analyzed outside the method required holding time. The initial results will be presented.

Sample CH-SWSD111-SE01 was analyzed twice for 8270D SIM due to low surrogate recovery. The sample was analyzed outside the 40 day extract holding time. The initial results will be presented.

This data package was revised 11/9/2017 due to the Eurofins metals data breach. The majority of the data changes were made to Quality Control (QC) and/or calibration checks, not to actual sample results. Where we see sample result changes, these are primarily cases where the result exceeded the linear calibration range of the instrument and were changed to be slightly lower than the upper limit of the calibration range.

In this package, the interference check standard percent recovery for vanadium was slightly above the QC specification.

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Validation Area	*Note*
Technical Holding Times	SR
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	SR
Surrogate/Tracer Spikes	SR
Matrix Spike/Matrix Spike Duplicates	SR
Laboratory Duplicates	SR
Laboratory Replicates	N
Laboratory Control Samples	SR
Compound Quantitation	SR
Field Duplicates	SR
Field Triplicates	N
Field Blanks	A

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: GENCHEM

Method: 9060A **Matrix: SEDIMENT**

Sample ID: CH-SWSD008-SE01 **Collected:** 6/10/2017 8:55:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TOTAL ORGANIC CARBON (TOC)	25600		3980	LOD	3980	LOQ	mg/kg	J	Ld

Sample ID: CH-SWSD010-SE01 **Collected:** 6/10/2017 9:30:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TOTAL ORGANIC CARBON (TOC)	83500		7130	LOD	7130	LOQ	mg/kg	J	Fd

Sample ID: CH-SWSD010-SE01D **Collected:** 6/10/2017 9:30:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TOTAL ORGANIC CARBON (TOC)	58400		5480	LOD	5480	LOQ	mg/kg	J	Fd

Sample ID: CH-SWSD145-SE01 **Collected:** 6/9/2017 4:15:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TOTAL ORGANIC CARBON (TOC)	16300		12300	LOD	12300	LOQ	mg/kg	J	Ms

Sample ID: CH-SWSD155-SE01 **Collected:** 6/9/2017 11:30:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TOTAL ORGANIC CARBON (TOC)	40100		9960	LOD	9960	LOQ	mg/kg	J	Ms, Ms

Method Category: METALS

Method: 6020A **Matrix: SEDIMENT**

Sample ID: CH-SWSD004-SE01 **Collected:** 6/9/2017 10:00:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.0742	J	0.0719	LOD	0.287	LOQ	mg/kg	J	RI
CADMIUM	0.0865	J	0.144	LOD	0.287	LOQ	mg/kg	J	RI
SELENIUM	0.173	J	0.287	LOD	1.15	LOQ	mg/kg	J	RI
SODIUM	59.2	J	28.7	LOD	115	LOQ	mg/kg	J	RI
THALLIUM	0.0638	J	0.0719	LOD	0.287	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SEDIMENT

Sample ID: CH-SWSD004-SE01 **Collected:** 6/9/2017 10:00:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ZINC	8.38	J	4.31	LOD	8.62	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD005-SE01 **Collected:** 6/9/2017 9:40:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.106	J	0.0426	LOD	0.170	LOQ	mg/kg	J	RI
CADMIUM	0.0707	J	0.0852	LOD	0.170	LOQ	mg/kg	J	RI
SELENIUM	0.184	J	0.170	LOD	0.682	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD006-SE01 **Collected:** 6/9/2017 9:20:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.105	J	0.0533	LOD	0.213	LOQ	mg/kg	J	RI
SELENIUM	0.148	J	0.213	LOD	0.853	LOQ	mg/kg	J	RI
SODIUM	65.0	J	21.3	LOD	85.3	LOQ	mg/kg	J	RI
THALLIUM	0.0520	J	0.0533	LOD	0.213	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD007-SE01 **Collected:** 6/9/2017 9:10:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.111	J	0.0579	LOD	0.232	LOQ	mg/kg	J	RI
SODIUM	40.5	J	23.2	LOD	92.7	LOQ	mg/kg	J	RI
THALLIUM	0.0521	J	0.0579	LOD	0.232	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD008-SE01 **Collected:** 6/10/2017 8:55:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0679	J	0.0973	LOD	0.195	LOQ	mg/kg	J	RI
SILVER	0.0296	J	0.0487	LOD	0.195	LOQ	mg/kg	J	RI
THALLIUM	0.112	J	0.0487	LOD	0.195	LOQ	mg/kg	J	RI
ZINC	5.57	J	2.92	LOD	5.84	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SEDIMENT

Sample ID: CH-SWSD009-SE01 **Collected:** 6/10/2017 9:05:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.179	J	0.276	LOD	0.552	LOQ	mg/kg	J	Rl
CADMIUM	0.0797	J	0.138	LOD	0.276	LOQ	mg/kg	J	Rl
SILVER	0.0505	J	0.0690	LOD	0.276	LOQ	mg/kg	J	Rl

Sample ID: CH-SWSD010-SE01 **Collected:** 6/10/2017 9:30:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	18600		13.4	LOD	53.4	LOQ	mg/kg	J	Fd
ANTIMONY	0.260	J	0.267	LOD	0.534	LOQ	mg/kg	J	Rl
BARIUM	75.3		0.534	LOD	1.07	LOQ	mg/kg	J	Fd
BERYLLIUM	0.800		0.0668	LOD	0.267	LOQ	mg/kg	J	Fd
CALCIUM	1340		53.4	LOD	107	LOQ	mg/kg	J	Fd
CHROMIUM	20.5		0.267	LOD	1.07	LOQ	mg/kg	J	Fd
COBALT	3.87		0.134	LOD	0.267	LOQ	mg/kg	J	Fd
IRON	10800		26.7	LOD	53.4	LOQ	mg/kg	J	Fd
MAGNESIUM	2890		13.4	LOD	53.4	LOQ	mg/kg	J	Fd
MANGANESE	110		0.267	LOD	1.07	LOQ	mg/kg	J	Fd
NICKEL	11.7		0.267	LOD	1.07	LOQ	mg/kg	J	Fd
POTASSIUM	1420		26.7	LOD	107	LOQ	mg/kg	J	Fd
SELENIUM	0.873	J	0.267	LOD	1.07	LOQ	mg/kg	J	Rl
SILVER	0.0489	J	0.0668	LOD	0.267	LOQ	mg/kg	J	Rl
THALLIUM	0.245	J	0.0668	LOD	0.267	LOQ	mg/kg	J	Rl, Fd
ZINC	58.2		4.01	LOD	8.01	LOQ	mg/kg	J	Fd

Sample ID: CH-SWSD010-SE01 **Collected:** 6/10/2017 9:30:00 AM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
VANADIUM	28.3		0.134	LOD	0.267	LOQ	mg/kg	J	Fd

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SEDIMENT

Sample ID: CH-SWSD010-SE01D **Collected:** 6/10/2017 9:30:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	10800		12.6	LOD	50.6	LOQ	mg/kg	J	Fd
ANTIMONY	0.214	J	0.253	LOD	0.506	LOQ	mg/kg	J	Rl
BARIUM	52.8		0.506	LOD	1.01	LOQ	mg/kg	J	Fd
BERYLLIUM	0.548		0.0632	LOD	0.253	LOQ	mg/kg	J	Fd
CALCIUM	865		50.6	LOD	101	LOQ	mg/kg	J	Fd
CHROMIUM	10.7		0.253	LOD	1.01	LOQ	mg/kg	J	Fd
COBALT	1.88		0.126	LOD	0.253	LOQ	mg/kg	J	Fd
IRON	4920		25.3	LOD	50.6	LOQ	mg/kg	J	Fd
MAGNESIUM	1200		12.6	LOD	50.6	LOQ	mg/kg	J	Fd
MANGANESE	46.6		0.253	LOD	1.01	LOQ	mg/kg	J	Fd
NICKEL	6.08		0.253	LOD	1.01	LOQ	mg/kg	J	Fd
POTASSIUM	768		25.3	LOD	101	LOQ	mg/kg	J	Fd
SELENIUM	0.762	J	0.253	LOD	1.01	LOQ	mg/kg	J	Rl
SILVER	0.0561	J	0.0632	LOD	0.253	LOQ	mg/kg	J	Rl
THALLIUM	0.168	J	0.0632	LOD	0.253	LOQ	mg/kg	J	Rl, Fd
ZINC	35.5		3.79	LOD	7.59	LOQ	mg/kg	J	Fd

Sample ID: CH-SWSD010-SE01D **Collected:** 6/10/2017 9:30:00 AM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
VANADIUM	18.2		0.126	LOD	0.253	LOQ	mg/kg	J	Fd

Sample ID: CH-SWSD011-SE01 **Collected:** 6/10/2017 11:30:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.179	J	0.0662	LOD	0.265	LOQ	mg/kg	J	Rl
CADMIUM	0.0593	J	0.132	LOD	0.265	LOQ	mg/kg	J	Rl
SILVER	0.0344	J	0.0662	LOD	0.265	LOQ	mg/kg	J	Rl
THALLIUM	0.0693	J	0.0662	LOD	0.265	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SEDIMENT

Sample ID: CH-SWSD012-SE01 **Collected:** 6/10/2017 11:15:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.646	J	0.423	LOD	0.845	LOQ	mg/kg	J	RI
BERYLLIUM	0.0393	J	0.0528	LOD	0.211	LOQ	mg/kg	J	RI
COPPER	0.828	J	0.211	LOD	0.845	LOQ	mg/kg	J	RI
NICKEL	0.837	J	0.211	LOD	0.845	LOQ	mg/kg	J	RI
SELENIUM	0.111	J	0.211	LOD	0.845	LOQ	mg/kg	J	RI
THALLIUM	0.0321	J	0.0528	LOD	0.211	LOQ	mg/kg	J	RI
ZINC	5.56	J	3.17	LOD	6.34	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD013-SE01 **Collected:** 6/10/2017 11:00:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.387	J	0.546	LOD	1.09	LOQ	mg/kg	J	RI
COBALT	0.200	J	0.137	LOD	0.273	LOQ	mg/kg	J	RI
NICKEL	0.678	J	0.273	LOD	1.09	LOQ	mg/kg	J	RI
ZINC	6.75	J	4.10	LOD	8.19	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD014-SE01 **Collected:** 6/10/2017 8:25:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0777	J	0.0930	LOD	0.186	LOQ	mg/kg	J	RI
SELENIUM	0.189	J	0.186	LOD	0.744	LOQ	mg/kg	J	RI
THALLIUM	0.0416	J	0.0465	LOD	0.186	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD015-SE01 **Collected:** 6/10/2017 8:15:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.256	J	0.146	LOD	0.293	LOQ	mg/kg	J	RI
SELENIUM	0.428	J	0.293	LOD	1.17	LOQ	mg/kg	J	RI
THALLIUM	0.0948	J	0.0732	LOD	0.293	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SEDIMENT

Sample ID: CH-SWSD024-SE01 **Collected:** 6/10/2017 8:50:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.0888	J	0.147	LOD	0.294	LOQ	mg/kg	J	RI
CADMIUM	0.0652	J	0.0734	LOD	0.147	LOQ	mg/kg	J	RI
SELENIUM	0.395	J	0.147	LOD	0.587	LOQ	mg/kg	J	RI
SILVER	0.0274	J	0.0367	LOD	0.147	LOQ	mg/kg	J	RI
THALLIUM	0.0666	J	0.0367	LOD	0.147	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD025-SE01 **Collected:** 6/10/2017 9:15:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.152	J	0.118	LOD	0.236	LOQ	mg/kg	J	RI
SELENIUM	0.355	J	0.236	LOD	0.943	LOQ	mg/kg	J	RI
SILVER	0.0353	J	0.0589	LOD	0.236	LOQ	mg/kg	J	RI
THALLIUM	0.0690	J	0.0589	LOD	0.236	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD026-SE01 **Collected:** 6/10/2017 9:25:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0555	J	0.128	LOD	0.257	LOQ	mg/kg	J	RI
SELENIUM	0.292	J	0.257	LOD	1.03	LOQ	mg/kg	J	RI
SODIUM	102	J	25.7	LOD	103	LOQ	mg/kg	J	RI
THALLIUM	0.0955	J	0.0642	LOD	0.257	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD111-SE01 **Collected:** 6/10/2017 10:20:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.252	J	0.412	LOD	0.825	LOQ	mg/kg	J	RI
SILVER	0.0812	J	0.103	LOD	0.412	LOQ	mg/kg	J	RI
THALLIUM	0.172	J	0.103	LOD	0.412	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD141-SE01 **Collected:** 6/9/2017 5:15:00 PM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.232	J	0.165	LOD	0.330	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SEDIMENT

Sample ID: CH-SWSD141-SE01 **Collected:** 6/9/2017 5:15:00 PM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.407	J	0.330	LOD	1.32	LOQ	mg/kg	J	RI
THALLIUM	0.0663	J	0.0825	LOD	0.330	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD142-SE01 **Collected:** 6/9/2017 5:00:00 PM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.208	J	0.161	LOD	0.323	LOQ	mg/kg	J	RI
SELENIUM	0.389	J	0.323	LOD	1.29	LOQ	mg/kg	J	RI
THALLIUM	0.0474	J	0.0807	LOD	0.323	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD143-SE01 **Collected:** 6/9/2017 4:45:00 PM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.02	J	0.685	LOD	1.37	LOQ	mg/kg	J	RI
BERYLLIUM	0.269	J	0.0856	LOD	0.342	LOQ	mg/kg	J	RI
CADMIUM	0.120	J	0.171	LOD	0.342	LOQ	mg/kg	J	RI
SELENIUM	0.240	J	0.342	LOD	1.37	LOQ	mg/kg	J	RI
SODIUM	127	J	34.2	LOD	137	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD144-SE01 **Collected:** 6/9/2017 4:30:00 PM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.380	J	0.231	LOD	0.463	LOQ	mg/kg	J	RI
SELENIUM	0.688	J	0.463	LOD	1.85	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD145-SE01 **Collected:** 6/9/2017 4:15:00 PM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	6110		25.3	LOD	101	LOQ	mg/kg	J	Ms, Ms
ANTIMONY	0.506	U	0.506	LOD	1.01	LOQ	mg/kg	UJ	Ms
ARSENIC	2.39		1.01	LOD	2.02	LOQ	mg/kg	J+	Ms
CADMIUM	0.378	J	0.253	LOD	0.506	LOQ	mg/kg	J	RI, Ms, Ld
CALCIUM	1950		101	LOD	202	LOQ	mg/kg	J+	Ms

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SEDIMENT

Sample ID: CH-SWSD145-SE01 **Collected:** 6/9/2017 4:15:00 PM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COBALT	4.64		0.253	LOD	0.506	LOQ	mg/kg	J	Ms
IRON	7080		50.6	LOD	101	LOQ	mg/kg	J-	Ms
LEAD	10.2		0.127	LOD	1.01	LOQ	mg/kg	J-	Ms
MANGANESE	95.8		0.506	LOD	2.02	LOQ	mg/kg	J	Ms, Ms
POTASSIUM	558		50.6	LOD	202	LOQ	mg/kg	J	Ms
SELENIUM	0.627	J	0.506	LOD	2.02	LOQ	mg/kg	J	Rl, Ms
SILVER	0.127	U	0.127	LOD	0.506	LOQ	mg/kg	UJ	Ms, Ld
SODIUM	191	J	50.6	LOD	202	LOQ	mg/kg	J	Rl, Ms
THALLIUM	0.0876	J	0.127	LOD	0.506	LOQ	mg/kg	J	Rl, Ms
ZINC	40.9		7.59	LOD	15.2	LOQ	mg/kg	J+	Ms

Sample ID: CH-SWSD146-SE01 **Collected:** 6/9/2017 3:50:00 PM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.222	J	0.178	LOD	0.356	LOQ	mg/kg	J	Rl
SELENIUM	0.440	J	0.356	LOD	1.42	LOQ	mg/kg	J	Rl
THALLIUM	0.0719	J	0.0890	LOD	0.356	LOQ	mg/kg	J	Rl

Sample ID: CH-SWSD147-SE01 **Collected:** 6/9/2017 3:20:00 PM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.272	J	0.155	LOD	0.309	LOQ	mg/kg	J	Rl
SELENIUM	0.342	J	0.309	LOD	1.24	LOQ	mg/kg	J	Rl
THALLIUM	0.0553	J	0.0773	LOD	0.309	LOQ	mg/kg	J	Rl

Sample ID: CH-SWSD148-SE01 **Collected:** 6/9/2017 3:13:00 PM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.146	J	0.124	LOD	0.247	LOQ	mg/kg	J	Rl
SELENIUM	0.247	J	0.247	LOD	0.989	LOQ	mg/kg	J	Rl
SODIUM	95.6	J	24.7	LOD	98.9	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SEDIMENT

Sample ID: CH-SWSD149-SE01 **Collected:** 6/9/2017 2:45:00 PM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	1.53	J	0.727	LOD	2.91	LOQ	mg/kg	J	RI
SILVER	0.0996	J	0.182	LOD	0.727	LOQ	mg/kg	J	RI
THALLIUM	0.169	J	0.182	LOD	0.727	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD150-SE01 **Collected:** 6/9/2017 1:00:00 PM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0592	J	0.104	LOD	0.207	LOQ	mg/kg	J	RI
SELENIUM	0.387	J	0.207	LOD	0.828	LOQ	mg/kg	J	RI
THALLIUM	0.100	J	0.0518	LOD	0.207	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD151-SE01 **Collected:** 6/9/2017 2:15:00 PM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.249	J	0.0937	LOD	0.375	LOQ	mg/kg	J	RI
CADMIUM	0.109	J	0.187	LOD	0.375	LOQ	mg/kg	J	RI
SELENIUM	0.964	J	0.375	LOD	1.50	LOQ	mg/kg	J	RI
SILVER	0.0442	J	0.0937	LOD	0.375	LOQ	mg/kg	J	RI
THALLIUM	0.126	J	0.0937	LOD	0.375	LOQ	mg/kg	J	RI
ZINC	9.94	J	5.62	LOD	11.2	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD152-SE01 **Collected:** 6/9/2017 2:00:00 PM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.332	J	0.0997	LOD	0.399	LOQ	mg/kg	J	RI
CADMIUM	0.185	J	0.199	LOD	0.399	LOQ	mg/kg	J	RI
SELENIUM	1.23	J	0.399	LOD	1.59	LOQ	mg/kg	J	RI
SILVER	0.0793	J	0.0997	LOD	0.399	LOQ	mg/kg	J	RI
THALLIUM	0.154	J	0.0997	LOD	0.399	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SEDIMENT

Sample ID: CH-SWSD153-SE01 **Collected:** 6/9/2017 1:30:00 PM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.320	J	0.0909	LOD	0.364	LOQ	mg/kg	J	Rl
CADMIUM	0.0753	J	0.182	LOD	0.364	LOQ	mg/kg	J	Rl
SELENIUM	0.645	J	0.364	LOD	1.45	LOQ	mg/kg	J	Rl
THALLIUM	0.108	J	0.0909	LOD	0.364	LOQ	mg/kg	J	Rl

Sample ID: CH-SWSD154-SE01 **Collected:** 6/9/2017 11:50:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0829	J	0.135	LOD	0.271	LOQ	mg/kg	J	Rl
SELENIUM	0.434	J	0.271	LOD	1.08	LOQ	mg/kg	J	Rl
THALLIUM	0.116	J	0.0677	LOD	0.271	LOQ	mg/kg	J	Rl

Sample ID: CH-SWSD155-SE01 **Collected:** 6/9/2017 11:30:00 AM **Analysis Type:** Initial/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	9210		20.5	LOD	81.9	LOQ	mg/kg	J+	Ms
BARIUM	44.6		0.819	LOD	1.64	LOQ	mg/kg	J	Ms, Ld
BERYLLIUM	0.403	J	0.102	LOD	0.410	LOQ	mg/kg	J	Rl, Ld
CADMIUM	0.459		0.205	LOD	0.410	LOQ	mg/kg	J	Ld
CALCIUM	1080		81.9	LOD	164	LOQ	mg/kg	J	Ms, Ld
IRON	7960		41.0	LOD	81.9	LOQ	mg/kg	J-	Ms
LEAD	19.5		0.102	LOD	0.819	LOQ	mg/kg	J	Ms, Ld
MAGNESIUM	1490		20.5	LOD	81.9	LOQ	mg/kg	J	Ld
MANGANESE	69.4		0.410	LOD	1.64	LOQ	mg/kg	J+	Ms
POTASSIUM	676		41.0	LOD	164	LOQ	mg/kg	J	Ld
SELENIUM	0.844	J	0.410	LOD	1.64	LOQ	mg/kg	J	Rl, Ld
SILVER	0.0512	J	0.102	LOD	0.410	LOQ	mg/kg	J	Rl, Ld
THALLIUM	0.134	J	0.102	LOD	0.410	LOQ	mg/kg	J	Rl
ZINC	27.7		6.14	LOD	12.3	LOQ	mg/kg	J+	Ms

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix: SEDIMENT**

Sample ID: CH-SWSD155-SE01 **Collected:** 6/9/2017 11:30:00 AM **Analysis Type:** Reanalysis-02/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
VANADIUM	21.7		0.205	LOD	0.410	LOQ	mg/kg	J+	Ms

Method Category: METALS

Method: 7471B **Matrix: SEDIMENT**

Sample ID: CH-SWSD006-SE01 **Collected:** 6/9/2017 9:20:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0138	J	0.0208	LOD	0.125	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD008-SE01 **Collected:** 6/10/2017 8:55:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0276	J	0.0296	LOD	0.178	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD009-SE01 **Collected:** 6/10/2017 9:05:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0822	J	0.0379	LOD	0.227	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD010-SE01 **Collected:** 6/10/2017 9:30:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0912	J	0.0416	LOD	0.249	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD010-SE01D **Collected:** 6/10/2017 9:30:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0703	J	0.0403	LOD	0.242	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7471B **Matrix:** SEDIMENT

Sample ID: CH-SWSD012-SE01 **Collected:** 6/10/2017 11:15:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0171	J	0.0236	LOD	0.142	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD015-SE01 **Collected:** 6/10/2017 8:15:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0255	J	0.0293	LOD	0.176	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD024-SE01 **Collected:** 6/10/2017 8:50:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0200	J	0.0225	LOD	0.135	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD025-SE01 **Collected:** 6/10/2017 9:15:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0148	J	0.0212	LOD	0.127	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD111-SE01 **Collected:** 6/10/2017 10:20:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.153	J	0.0646	LOD	0.388	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD141-SE01 **Collected:** 6/9/2017 5:15:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0337	J	0.0371	LOD	0.223	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD142-SE01 **Collected:** 6/9/2017 5:00:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0343	J	0.0352	LOD	0.211	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **7471B** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD144-SE01** ***Collected:*** **6/9/2017 4:30:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0539	J	0.0409	LOD	0.245	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD145-SE01** ***Collected:*** **6/9/2017 4:15:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0323	J	0.0439	LOD	0.263	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD146-SE01** ***Collected:*** **6/9/2017 3:50:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0279	J	0.0410	LOD	0.246	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD147-SE01** ***Collected:*** **6/9/2017 3:20:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0282	J	0.0334	LOD	0.200	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD148-SE01** ***Collected:*** **6/9/2017 3:13:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0317	J	0.0255	LOD	0.153	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD149-SE01** ***Collected:*** **6/9/2017 2:45:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.153	J	0.0831	LOD	0.499	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD150-SE01** ***Collected:*** **6/9/2017 1:00:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0334	J	0.0228	LOD	0.137	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7471B **Matrix: SEDIMENT**

Sample ID: CH-SWSD151-SE01 **Collected:** 6/9/2017 2:15:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0857	J	0.0308	LOD	0.185	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD152-SE01 **Collected:** 6/9/2017 2:00:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.145	J	0.0368	LOD	0.221	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD153-SE01 **Collected:** 6/9/2017 1:30:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0728	J	0.0343	LOD	0.206	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD154-SE01 **Collected:** 6/9/2017 11:50:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0638	J	0.0312	LOD	0.187	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD155-SE01 **Collected:** 6/9/2017 11:30:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0731	J	0.0366	LOD	0.220	LOQ	mg/kg	J	RI

Method Category: METALS

Method: Calculation **Matrix: SEDIMENT**

Sample ID: CH-SWSD010-SE01 **Collected:** 6/10/2017 9:30:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	20.5		1.1	LOD	1.1	LOQ	mg/kg	J	Fd

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: Calculation **Matrix: SEDIMENT**

Sample ID: CH-SWSD010-SE01D **Collected:** 6/10/2017 9:30:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	10.7		0.98	LOD	1.0	LOQ	mg/kg	J	Fd

Method Category: SVOA

Method: 8270D **Matrix: SEDIMENT**

Sample ID: CH-SWSD004-SE01 **Collected:** 6/9/2017 10:00:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.006	J	0.01	LOD	0.025	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.006	J	0.01	LOD	0.025	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: CH-SWSD005-SE01 **Collected:** 6/9/2017 9:40:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD005-SE01** ***Collected:*** **6/9/2017 9:40:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
ACENAPHTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.006	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

Sample ID: **CH-SWSD006-SE01** ***Collected:*** **6/9/2017 9:20:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD006-SE01 **Collected:** 6/9/2017 9:20:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORANTHENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD007-SE01 **Collected:** 6/9/2017 9:10:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.006	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.004	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.01	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.01	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD008-SE01 **Collected:** 6/10/2017 8:55:00 AM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.38	J	0.94	LOD	0.94	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD008-SE01 **Collected:** 6/10/2017 8:55:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.013	U	0.013	LOD	0.032	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.013	U	0.013	LOD	0.032	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.013	U	0.013	LOD	0.032	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.013	U	0.013	LOD	0.032	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.013	U	0.013	LOD	0.032	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.013	U	0.013	LOD	0.032	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.013	U	0.013	LOD	0.032	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.013	U	0.013	LOD	0.032	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.013	U	0.013	LOD	0.032	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.013	U	0.013	LOD	0.032	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.013	U	0.013	LOD	0.032	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.013	U	0.013	LOD	0.032	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.013	U	0.013	LOD	0.032	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.013	U	0.013	LOD	0.032	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.013	U	0.013	LOD	0.032	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.013	U	0.013	LOD	0.032	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.013	U	0.013	LOD	0.032	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.013	U	0.013	LOD	0.032	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD009-SE01 **Collected:** 6/10/2017 9:05:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.016	U	0.016	LOD	0.040	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.016	U	0.016	LOD	0.040	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.016	U	0.016	LOD	0.040	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.016	U	0.016	LOD	0.040	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.016	U	0.016	LOD	0.040	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD009-SE01 **Collected:** 6/10/2017 9:05:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.017	J	0.016	LOD	0.040	LOQ	mg/kg	NP	Rl, ProfJudg
Benzo (g,h,i) perylene	0.014	J	0.016	LOD	0.040	LOQ	mg/kg	NP	Rl, ProfJudg
BENZO(A)PYRENE	0.019	J	0.016	LOD	0.040	LOQ	mg/kg	NP	Rl, ProfJudg
BENZO(B)FLUORANTHENE	0.024	J	0.016	LOD	0.040	LOQ	mg/kg	NP	Rl, ProfJudg
BENZO(K)FLUORANTHENE	0.014	J	0.016	LOD	0.040	LOQ	mg/kg	NP	Rl, ProfJudg
CHRYSENE	0.019	J	0.016	LOD	0.040	LOQ	mg/kg	NP	Rl, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.016	U	0.016	LOD	0.040	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.040		0.016	LOD	0.040	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.016	U	0.016	LOD	0.040	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.011	J	0.016	LOD	0.040	LOQ	mg/kg	NP	Rl, ProfJudg
NAPHTHALENE	0.016	U	0.016	LOD	0.040	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.028	J	0.016	LOD	0.040	LOQ	mg/kg	NP	Rl, ProfJudg
PYRENE	0.038	J	0.016	LOD	0.040	LOQ	mg/kg	NP	Rl, ProfJudg

Sample ID: CH-SWSD010-SE01 **Collected:** 6/10/2017 9:30:00 AM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.045	J	0.085	LOD	0.085	LOQ	mg/kg	J	Rl

Sample ID: CH-SWSD010-SE01 **Collected:** 6/10/2017 9:30:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.020	J	0.017	LOD	0.044	LOQ	mg/kg	J	Rl, Fd
2-METHYLNAPHTHALENE	0.019	J	0.017	LOD	0.044	LOQ	mg/kg	J	Rl, Fd
ACENAPHTHENE	0.074		0.017	LOD	0.044	LOQ	mg/kg	J	Fd
ACENAPHTHYLENE	0.025	J	0.017	LOD	0.044	LOQ	mg/kg	J	Rl
ANTHRACENE	0.20		0.017	LOD	0.044	LOQ	mg/kg	J	Fd
BENZ(A)ANTHRACENE	0.80		0.017	LOD	0.044	LOQ	mg/kg	J	Fd
Benzo (g,h,i) perylene	0.58		0.017	LOD	0.044	LOQ	mg/kg	J	Fd
BENZO(A)PYRENE	0.93		0.017	LOD	0.044	LOQ	mg/kg	J	Fd
BENZO(B)FLUORANTHENE	1.3		0.017	LOD	0.044	LOQ	mg/kg	J	Fd
BENZO(K)FLUORANTHENE	0.57		0.017	LOD	0.044	LOQ	mg/kg	J	Fd

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD010-SE01 **Collected:** 6/10/2017 9:30:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBAZOLE	0.11		0.085	LOD	0.085	LOQ	mg/kg	J	Fd
CHRYSENE	0.99		0.017	LOD	0.044	LOQ	mg/kg	J	Fd
DIBENZO(A,H)ANTHRACENE	0.17		0.017	LOD	0.044	LOQ	mg/kg	J	Fd
FLUORANTHENE	1.9		0.017	LOD	0.044	LOQ	mg/kg	J	Fd
FLUORENE	0.077		0.017	LOD	0.044	LOQ	mg/kg	J	Fd
INDENO(1,2,3-CD)PYRENE	0.59		0.017	LOD	0.044	LOQ	mg/kg	J	Fd
NAPHTHALENE	0.037	J	0.017	LOD	0.044	LOQ	mg/kg	J	Rl, Fd
PHENANTHRENE	0.95		0.017	LOD	0.044	LOQ	mg/kg	J	Fd
PYRENE	1.6		0.017	LOD	0.044	LOQ	mg/kg	J	Fd

Sample ID: CH-SWSD010-SE01D **Collected:** 6/10/2017 9:30:00 AM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.044	J	0.080	LOD	0.080	LOQ	mg/kg	J	Rl

Sample ID: CH-SWSD010-SE01D **Collected:** 6/10/2017 9:30:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.016	U	0.016	LOD	0.041	LOQ	mg/kg	UJ	Fd
2-METHYLNAPHTHALENE	0.016	U	0.016	LOD	0.041	LOQ	mg/kg	UJ	Fd
ACENAPHTHENE	0.024	J	0.016	LOD	0.041	LOQ	mg/kg	J	Rl, Fd
ACENAPHTHYLENE	0.020	J	0.016	LOD	0.041	LOQ	mg/kg	J	Rl
ANTHRACENE	0.061		0.016	LOD	0.041	LOQ	mg/kg	J	Fd
BENZ(A)ANTHRACENE	0.32		0.016	LOD	0.041	LOQ	mg/kg	J	Fd
Benzo (g,h,i) perylene	0.24		0.016	LOD	0.041	LOQ	mg/kg	J	Fd
BENZO(A)PYRENE	0.39		0.016	LOD	0.041	LOQ	mg/kg	J	Fd
BENZO(B)FLUORANTHENE	0.55		0.016	LOD	0.041	LOQ	mg/kg	J	Fd
BENZO(K)FLUORANTHENE	0.23		0.016	LOD	0.041	LOQ	mg/kg	J	Fd
CARBAZOLE	0.080	U	0.080	LOD	0.080	LOQ	mg/kg	UJ	Fd
CHRYSENE	0.36		0.016	LOD	0.041	LOQ	mg/kg	J	Fd
DIBENZO(A,H)ANTHRACENE	0.078		0.016	LOD	0.041	LOQ	mg/kg	J	Fd
FLUORANTHENE	0.66		0.016	LOD	0.041	LOQ	mg/kg	J	Fd

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD010-SE01D **Collected:** 6/10/2017 9:30:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORENE	0.026	J	0.016	LOD	0.041	LOQ	mg/kg	J	Rl, Fd
INDENO(1,2,3-CD)PYRENE	0.24		0.016	LOD	0.041	LOQ	mg/kg	J	Fd
NAPHTHALENE	0.014	J	0.016	LOD	0.041	LOQ	mg/kg	J	Rl, Fd
PHENANTHRENE	0.32		0.016	LOD	0.041	LOQ	mg/kg	J	Fd
PYRENE	0.62		0.016	LOD	0.041	LOQ	mg/kg	J	Fd

Sample ID: CH-SWSD011-SE01 **Collected:** 6/10/2017 11:30:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.01	U	0.01	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.01	U	0.01	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.01	U	0.01	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.01	U	0.01	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.01	U	0.01	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.01	U	0.01	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.01	U	0.01	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.01	U	0.01	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.01	U	0.01	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.01	U	0.01	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.01	U	0.01	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.01	U	0.01	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.01	U	0.01	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.01	U	0.01	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.01	U	0.01	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.01	U	0.01	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.01	U	0.01	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.01	U	0.01	LOD	0.024	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD012-SE01 **Collected:** 6/10/2017 11:15:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD012-SE01 **Collected:** 6/10/2017 11:15:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.006	J	0.01	LOD	0.025	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.01	J	0.01	LOD	0.025	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.005	J	0.01	LOD	0.025	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD013-SE01 **Collected:** 6/10/2017 11:00:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.005	J	0.01	LOD	0.025	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD013-SE01 **Collected:** 6/10/2017 11:00:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DIBENZO(A,H)ANTHRACENE	0.008	J	0.01	LOD	0.025	LOQ	mg/kg	NP	Rl, ProfJudg
FLUORANTHENE	0.006	J	0.01	LOD	0.025	LOQ	mg/kg	NP	Rl, ProfJudg
FLUORENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD014-SE01 **Collected:** 6/10/2017 8:25:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.017	J	0.010	LOD	0.026	LOQ	mg/kg	J	Rl
ACENAPHTHYLENE	0.014	J	0.010	LOD	0.026	LOQ	mg/kg	J	Rl
NAPHTHALENE	0.010	J	0.010	LOD	0.026	LOQ	mg/kg	J	Rl

Sample ID: CH-SWSD015-SE01 **Collected:** 6/10/2017 8:15:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.064		0.012	LOD	0.030	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.10		0.012	LOD	0.030	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.010	J	0.012	LOD	0.030	LOQ	mg/kg	NP	Rl, ProfJudg
ACENAPHTHYLENE	0.028	J	0.012	LOD	0.030	LOQ	mg/kg	NP	Rl, ProfJudg
ANTHRACENE	0.023	J	0.012	LOD	0.030	LOQ	mg/kg	NP	Rl, ProfJudg
BENZ(A)ANTHRACENE	0.025	J	0.012	LOD	0.030	LOQ	mg/kg	NP	Rl, ProfJudg
Benzo (g,h,i) perylene	0.016	J	0.012	LOD	0.030	LOQ	mg/kg	NP	Rl, ProfJudg
BENZO(A)PYRENE	0.023	J	0.012	LOD	0.030	LOQ	mg/kg	NP	Rl, ProfJudg
BENZO(B)FLUORANTHENE	0.035		0.012	LOD	0.030	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.019	J	0.012	LOD	0.030	LOQ	mg/kg	NP	Rl, ProfJudg
CHRYSENE	0.033		0.012	LOD	0.030	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.018	J	0.012	LOD	0.030	LOQ	mg/kg	NP	Rl, ProfJudg
FLUORANTHENE	0.10		0.012	LOD	0.030	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.026	J	0.012	LOD	0.030	LOQ	mg/kg	NP	Rl, ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD015-SE01 **Collected:** 6/10/2017 8:15:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
INDENO(1,2,3-CD)PYRENE	0.016	J	0.012	LOD	0.030	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.28		0.012	LOD	0.030	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.062		0.012	LOD	0.030	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.087		0.012	LOD	0.030	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD024-SE01 **Collected:** 6/10/2017 8:50:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.012	J	0.009	LOD	0.024	LOQ	mg/kg	J	RI
2-METHYLNAPHTHALENE	0.016	J	0.009	LOD	0.024	LOQ	mg/kg	J	RI
NAPHTHALENE	0.018	J	0.009	LOD	0.024	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD026-SE01 **Collected:** 6/10/2017 9:25:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.041	J	0.050	LOD	0.050	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD111-SE01 **Collected:** 6/10/2017 10:20:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.013	J	0.026	LOD	0.066	LOQ	mg/kg	NP	RI, ProfJudg
2-METHYLNAPHTHALENE	0.021	J	0.026	LOD	0.066	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHENE	0.026	U	0.026	LOD	0.066	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.014	J	0.026	LOD	0.066	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.031	J	0.026	LOD	0.066	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.026	U	0.026	LOD	0.066	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.026	U	0.026	LOD	0.066	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.026	U	0.026	LOD	0.066	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.021	J	0.026	LOD	0.066	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.026	U	0.026	LOD	0.066	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.015	J	0.026	LOD	0.066	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.026	U	0.026	LOD	0.066	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD111-SE01 **Collected:** 6/10/2017 10:20:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORANTHENE	0.015	J	0.026	LOD	0.066	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.026	U	0.026	LOD	0.066	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.026	U	0.026	LOD	0.066	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.026	U	0.026	LOD	0.066	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.015	J	0.026	LOD	0.066	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.018	J	0.026	LOD	0.066	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: CH-SWSD111-SE01-X **Collected:** 6/10/2017 10:20:00 AM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.38	U	0.38	LOD	0.38	LOQ	mg/kg	NP	ProfJudg, StoE
2-Methylphenol (o-Cresol)	0.38	U	0.38	LOD	0.38	LOQ	mg/kg	NP	ProfJudg, StoE
4-Chloroaniline [p-Chloroaniline]	0.75	U	0.75	LOD	0.75	LOQ	mg/kg	NP	ProfJudg, StoE

Sample ID: CH-SWSD111-SE01-X **Collected:** 6/10/2017 10:20:00 AM **Analysis Type:** Reanalysis-01/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.38	U	0.38	LOD	0.38	LOQ	mg/kg	NP	ProfJudg, StoE
4-CHLORO-3-METHYLPHENOL	0.38	U	0.38	LOD	0.38	LOQ	mg/kg	NP	ProfJudg, StoE
BENZOIC ACID	5.6	U	5.6	LOD	5.6	LOQ	mg/kg	NP	ProfJudg, StoE

Sample ID: CH-SWSD111-SE01-X **Collected:** 6/10/2017 10:20:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	0.38	U	0.38	LOD	0.38	LOQ	mg/kg	NP	ProfJudg, StoE
1-METHYLNAPHTHALENE	0.044	J	0.075	LOD	0.19	LOQ	mg/kg	NP	RI, ProfJudg, StoE
2-CHLORONAPHTHALENE	0.15	U	0.15	LOD	0.37	LOQ	mg/kg	NP	ProfJudg, StoE
2-METHYLNAPHTHALENE	0.080	J	0.075	LOD	0.19	LOQ	mg/kg	NP	RI, ProfJudg, StoE
ACENAPHTHENE	0.075	U	0.075	LOD	0.19	LOQ	mg/kg	NP	ProfJudg, StoE
ACENAPHTHYLENE	0.040	J	0.075	LOD	0.19	LOQ	mg/kg	NP	RI, ProfJudg, StoE
ANTHRACENE	0.13	J	0.075	LOD	0.19	LOQ	mg/kg	NP	RI, ProfJudg, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD111-SE01-X **Collected:** 6/10/2017 10:20:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.075	U	0.075	LOD	0.19	LOQ	mg/kg	NP	ProfJudg, StoE
BENZALDEHYDE	1.5	U	1.5	LOD	1.9	LOQ	mg/kg	NP	ProfJudg, StoE
Benzo (g,h,i) perylene	0.068	J	0.075	LOD	0.19	LOQ	mg/kg	NP	Rl, ProfJudg, StoE
BENZO(A)PYRENE	0.039	J	0.075	LOD	0.19	LOQ	mg/kg	NP	Rl, ProfJudg, StoE
BENZO(B)FLUORANTHENE	0.077	J	0.075	LOD	0.19	LOQ	mg/kg	NP	Rl, ProfJudg, StoE
BENZO(K)FLUORANTHENE	0.075	U	0.075	LOD	0.19	LOQ	mg/kg	NP	ProfJudg, StoE
BIS(2-ETHYLHEXYL) PHTHALATE	1.5	U	1.5	LOD	1.9	LOQ	mg/kg	NP	ProfJudg, StoE
Butyl benzyl phthalate	1.5	U	1.5	LOD	1.9	LOQ	mg/kg	NP	ProfJudg, StoE
CAPROLACTAM	1.5	U	1.5	LOD	1.9	LOQ	mg/kg	NP	ProfJudg, StoE
CARBAZOLE	0.38	U	0.38	LOD	0.38	LOQ	mg/kg	NP	ProfJudg, StoE
CHRYSENE	0.061	J	0.075	LOD	0.19	LOQ	mg/kg	NP	Rl, ProfJudg, StoE
DIBENZO(A,H)ANTHRACENE	0.050	J	0.075	LOD	0.19	LOQ	mg/kg	NP	Rl, ProfJudg, StoE
DIBENZOFURAN	0.38	U	0.38	LOD	0.38	LOQ	mg/kg	NP	ProfJudg, StoE
DIETHYL PHTHALATE	1.5	U	1.5	LOD	1.9	LOQ	mg/kg	NP	ProfJudg, StoE
DIMETHYL PHTHALATE	1.5	U	1.5	LOD	1.9	LOQ	mg/kg	NP	ProfJudg, StoE
DI-N-BUTYL PHTHALATE	1.5	U	1.5	LOD	1.9	LOQ	mg/kg	NP	ProfJudg, StoE
DI-N-OCTYL PHTHALATE	1.5	U	1.5	LOD	1.9	LOQ	mg/kg	NP	ProfJudg, StoE
FLUORANTHENE	0.056	J	0.075	LOD	0.19	LOQ	mg/kg	NP	Rl, ProfJudg, StoE
FLUORENE	0.075	U	0.075	LOD	0.19	LOQ	mg/kg	NP	ProfJudg, StoE
INDENO(1,2,3-CD)PYRENE	0.044	J	0.075	LOD	0.19	LOQ	mg/kg	NP	Rl, ProfJudg, StoE
NAPHTHALENE	0.043	J	0.075	LOD	0.19	LOQ	mg/kg	NP	Rl, ProfJudg, StoE
PHENANTHRENE	0.072	J	0.075	LOD	0.19	LOQ	mg/kg	NP	Rl, ProfJudg, StoE
PYRENE	0.068	J	0.075	LOD	0.19	LOQ	mg/kg	NP	Rl, ProfJudg, StoE

Sample ID: CH-SWSD145-SE01 **Collected:** 6/9/2017 4:15:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.060	J	0.087	LOD	0.087	LOQ	mg/kg	J	Rl
4-Chloroaniline [p-Chloroaniline]	0.17	U	0.17	LOD	0.17	LOQ	mg/kg	UJ	Ms

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD145-SE01 **Collected:** 6/9/2017 4:15:00 PM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.55	J	1.3	LOD	1.3	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD146-SE01 **Collected:** 6/9/2017 3:50:00 PM **Analysis Type:** Dilution-01/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.12	J	0.16	LOD	0.16	LOQ	mg/kg	NP	RI, ProfJudg
2-Methylphenol (o-Cresol)	0.16	U	0.16	LOD	0.16	LOQ	mg/kg	NP	ProfJudg
4-Chloroaniline [p-Chloroaniline]	0.32	U	0.32	LOD	0.32	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD146-SE01 **Collected:** 6/9/2017 3:50:00 PM **Analysis Type:** Dilution-01/TOT-ACID **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.16	U	0.16	LOD	0.16	LOQ	mg/kg	NP	ProfJudg
4-CHLORO-3-METHYLPHENOL	0.16	U	0.16	LOD	0.16	LOQ	mg/kg	NP	ProfJudg
BENZOIC ACID	2.4	U	2.4	LOD	2.4	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD146-SE01 **Collected:** 6/9/2017 3:50:00 PM **Analysis Type:** Dilution-01/TOT-BASE/NEUTRAL **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	0.16	U	0.16	LOD	0.16	LOQ	mg/kg	NP	ProfJudg
1-METHYLNAPHTHALENE	0.52		0.032	LOD	0.082	LOQ	mg/kg	NP	ProfJudg
2-CHLORONAPHTHALENE	0.065	U	0.065	LOD	0.16	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.48		0.032	LOD	0.082	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	1.5		0.032	LOD	0.082	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.28		0.032	LOD	0.082	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	3.7		0.032	LOD	0.082	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	4.6		0.032	LOD	0.082	LOQ	mg/kg	NP	ProfJudg
BENZALDEHYDE	0.65	U	0.65	LOD	0.81	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	1.6		0.032	LOD	0.082	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	3.0		0.032	LOD	0.082	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	4.9		0.032	LOD	0.082	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	1.8		0.032	LOD	0.082	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD146-SE01 **Collected:** 6/9/2017 3:50:00 PM **Analysis Type:** Dilution-01/TOT-BASE/NEUTRAL **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BIS(2-ETHYLHEXYL) PHTHALATE	0.65	U	0.65	LOD	0.82	LOQ	mg/kg	NP	ProfJudg
Butyl benzyl phthalate	0.65	U	0.65	LOD	0.81	LOQ	mg/kg	NP	ProfJudg
CAPROLACTAM	0.65	U	0.65	LOD	0.81	LOQ	mg/kg	NP	ProfJudg
CARBAZOLE	1.2		0.16	LOD	0.16	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	4.5		0.032	LOD	0.082	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.47		0.032	LOD	0.082	LOQ	mg/kg	NP	ProfJudg
DIBENZOFURAN	1.3		0.16	LOD	0.16	LOQ	mg/kg	NP	ProfJudg
DIETHYL PHTHALATE	0.65	U	0.65	LOD	0.81	LOQ	mg/kg	NP	ProfJudg
DIMETHYL PHTHALATE	0.65	U	0.65	LOD	0.81	LOQ	mg/kg	NP	ProfJudg
DI-N-BUTYL PHTHALATE	0.65	U	0.65	LOD	0.81	LOQ	mg/kg	NP	ProfJudg
DI-N-OCTYL PHTHALATE	0.65	U	0.65	LOD	0.81	LOQ	mg/kg	NP	ProfJudg
FLUORENE	1.9		0.032	LOD	0.082	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	1.5		0.032	LOD	0.082	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	1.3		0.032	LOD	0.082	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	9.4		0.032	LOD	0.082	LOQ	mg/kg	NP	ProfJudg
PYRENE	8.2		0.032	LOD	0.082	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD146-SE01 **Collected:** 6/9/2017 3:50:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORANTHENE	9.9	E	0.016	LOD	0.041	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD147-SE01 **Collected:** 6/9/2017 3:20:00 PM **Analysis Type:** Dilution-01/TOT **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.14	U	0.14	LOD	0.14	LOQ	mg/kg	NP	ProfJudg
2-Methylphenol (o-Cresol)	0.14	U	0.14	LOD	0.14	LOQ	mg/kg	NP	ProfJudg
4-Chloroaniline [p-Chloroaniline]	0.27	U	0.27	LOD	0.27	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD147-SE01** ***Collected:*** **6/9/2017 3:20:00 PM** ***Analysis Type:*** **Dilution-01/TOT-ACID** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.14	U	0.14	LOD	0.14	LOQ	mg/kg	NP	ProfJudg
4-CHLORO-3-METHYLPHENOL	0.14	U	0.14	LOD	0.14	LOQ	mg/kg	NP	ProfJudg
BENZOIC ACID	2.1	U	2.1	LOD	2.1	LOQ	mg/kg	NP	ProfJudg

Sample ID: **CH-SWSD147-SE01** ***Collected:*** **6/9/2017 3:20:00 PM** ***Analysis Type:*** **Dilution-01/TOT-BASE/NEUTRAL** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	0.14	U	0.14	LOD	0.14	LOQ	mg/kg	NP	ProfJudg
1-METHYLNAPHTHALENE	0.22		0.027	LOD	0.070	LOQ	mg/kg	NP	ProfJudg
2-CHLORONAPHTHALENE	0.055	U	0.055	LOD	0.14	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.14		0.027	LOD	0.070	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.87		0.027	LOD	0.070	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.38		0.027	LOD	0.070	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.58		0.027	LOD	0.070	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	1.7		0.027	LOD	0.070	LOQ	mg/kg	NP	ProfJudg
BENZALDEHYDE	0.55	U	0.55	LOD	0.68	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.49		0.027	LOD	0.070	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.97		0.027	LOD	0.070	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	1.9		0.027	LOD	0.070	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.93		0.027	LOD	0.070	LOQ	mg/kg	NP	ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	0.55	U	0.55	LOD	0.70	LOQ	mg/kg	NP	ProfJudg
Butyl benzyl phthalate	0.55	U	0.55	LOD	0.68	LOQ	mg/kg	NP	ProfJudg
CAPROLACTAM	0.55	U	0.55	LOD	0.68	LOQ	mg/kg	NP	ProfJudg
CARBAZOLE	0.46		0.14	LOD	0.14	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	2.6		0.027	LOD	0.070	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.15		0.027	LOD	0.070	LOQ	mg/kg	NP	ProfJudg
DIBENZOFURAN	0.77		0.14	LOD	0.14	LOQ	mg/kg	NP	ProfJudg
DIETHYL PHTHALATE	0.55	U	0.55	LOD	0.68	LOQ	mg/kg	NP	ProfJudg
DIMETHYL PHTHALATE	0.55	U	0.55	LOD	0.68	LOQ	mg/kg	NP	ProfJudg
DI-N-BUTYL PHTHALATE	0.55	U	0.55	LOD	0.68	LOQ	mg/kg	NP	ProfJudg
DI-N-OCTYL PHTHALATE	0.55	U	0.55	LOD	0.68	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.88		0.027	LOD	0.070	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix: SEDIMENT**

Sample ID: CH-SWSD147-SE01 **Collected:** 6/9/2017 3:20:00 PM **Analysis Type:** Dilution-01/TOT-BASE/NEUTRAL **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
INDENO(1,2,3-CD)PYRENE	0.54		0.027	LOD	0.070	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.68		0.027	LOD	0.070	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	3.7		0.027	LOD	0.070	LOQ	mg/kg	NP	ProfJudg
PYRENE	7.5		0.027	LOD	0.070	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD147-SE01 **Collected:** 6/9/2017 3:20:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.052	J	0.068	LOD	0.068	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD147-SE01 **Collected:** 6/9/2017 3:20:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORANTHENE	9.2	E	0.014	LOD	0.035	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD149-SE01 **Collected:** 6/9/2017 2:45:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.025	J	0.035	LOD	0.088	LOQ	mg/kg	J	RI
2-METHYLNAPHTHALENE	0.050	J	0.035	LOD	0.088	LOQ	mg/kg	J	RI
CARBAZOLE	0.14	J	0.17	LOD	0.17	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD150-SE01 **Collected:** 6/9/2017 1:00:00 PM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.27	J	0.71	LOD	0.71	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD150-SE01 **Collected:** 6/9/2017 1:00:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.012	J	0.009	LOD	0.024	LOQ	mg/kg	J	RI
2-METHYLNAPHTHALENE	0.010	J	0.009	LOD	0.024	LOQ	mg/kg	J	RI
ACENAPHTHYLENE	0.021	J	0.009	LOD	0.024	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix: SEDIMENT**

Sample ID: CH-SWSD150-SE01 **Collected:** 6/9/2017 1:00:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DIBENZOFURAN	0.033	J	0.047	LOD	0.047	LOQ	mg/kg	J	RI
NAPHTHALENE	0.014	J	0.009	LOD	0.024	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD151-SE01 **Collected:** 6/9/2017 2:15:00 PM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.63	J	0.98	LOD	0.98	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD151-SE01 **Collected:** 6/9/2017 2:15:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.013	U	0.013	LOD	0.033	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	J	0.013	LOD	0.033	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHENE	0.007	J	0.013	LOD	0.033	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHYLENE	0.013	J	0.013	LOD	0.033	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.017	J	0.013	LOD	0.033	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.036		0.013	LOD	0.033	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.032	J	0.013	LOD	0.033	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.053		0.013	LOD	0.033	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.077		0.013	LOD	0.033	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.029	J	0.013	LOD	0.033	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.052		0.013	LOD	0.033	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.011	J	0.013	LOD	0.033	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.082		0.013	LOD	0.033	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.009	J	0.013	LOD	0.033	LOQ	mg/kg	NP	RI, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.031	J	0.013	LOD	0.033	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.018	J	0.013	LOD	0.033	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.042		0.013	LOD	0.033	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.087		0.013	LOD	0.033	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD152-SE01 **Collected:** 6/9/2017 2:00:00 PM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.041	J	0.079	LOD	0.079	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD152-SE01 **Collected:** 6/9/2017 2:00:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.016	U	0.016	LOD	0.040	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.016	U	0.016	LOD	0.040	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.009	J	0.016	LOD	0.040	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHYLENE	0.019	J	0.016	LOD	0.040	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.024	J	0.016	LOD	0.040	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.057		0.016	LOD	0.040	LOQ	mg/kg	NP	ProfJudg
BENZALDEHYDE	0.27	J	0.32	LOD	0.39	LOQ	mg/kg	J	RI
Benzo (g,h,i) perylene	0.057		0.016	LOD	0.040	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.10		0.016	LOD	0.040	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.12		0.016	LOD	0.040	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.043		0.016	LOD	0.040	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.076		0.016	LOD	0.040	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.014	J	0.016	LOD	0.040	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.14		0.016	LOD	0.040	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.013	J	0.016	LOD	0.040	LOQ	mg/kg	NP	RI, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.057		0.016	LOD	0.040	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.011	J	0.016	LOD	0.040	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.082		0.016	LOD	0.040	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.13		0.016	LOD	0.040	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD153-SE01 **Collected:** 6/9/2017 1:30:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	J	0.014	LOD	0.036	LOQ	mg/kg	NP	RI, ProfJudg
2-METHYLNAPHTHALENE	0.01	J	0.014	LOD	0.036	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHENE	0.014	U	0.014	LOD	0.036	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.018	J	0.014	LOD	0.036	LOQ	mg/kg	NP	RI, ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD153-SE01 **Collected:** 6/9/2017 1:30:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.023	J	0.014	LOD	0.036	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.064		0.014	LOD	0.036	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.059		0.014	LOD	0.036	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.080		0.014	LOD	0.036	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.18		0.014	LOD	0.036	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.068		0.014	LOD	0.036	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.096		0.014	LOD	0.036	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.019	J	0.014	LOD	0.036	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.17		0.014	LOD	0.036	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.007	J	0.014	LOD	0.036	LOQ	mg/kg	NP	RI, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.061		0.014	LOD	0.036	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.024	J	0.014	LOD	0.036	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.055		0.014	LOD	0.036	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.16		0.014	LOD	0.036	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD154-SE01 **Collected:** 6/9/2017 11:50:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.009	J	0.013	LOD	0.033	LOQ	mg/kg	NP	RI, ProfJudg
2-METHYLNAPHTHALENE	0.009	J	0.013	LOD	0.033	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHENE	0.013	U	0.013	LOD	0.033	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.013	J	0.013	LOD	0.033	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.024	J	0.013	LOD	0.033	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.083		0.013	LOD	0.033	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.067		0.013	LOD	0.033	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.090		0.013	LOD	0.033	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.16		0.013	LOD	0.033	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.078		0.013	LOD	0.033	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.10		0.013	LOD	0.033	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.017	J	0.013	LOD	0.033	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.15		0.013	LOD	0.033	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.007	J	0.013	LOD	0.033	LOQ	mg/kg	NP	RI, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SEDIMENT

Sample ID: CH-SWSD154-SE01 **Collected:** 6/9/2017 11:50:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
INDENO(1,2,3-CD)PYRENE	0.065		0.013	LOD	0.033	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.009	J	0.013	LOD	0.033	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.058		0.013	LOD	0.033	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.15		0.013	LOD	0.033	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD155-SE01 **Collected:** 6/9/2017 11:30:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.015	U	0.015	LOD	0.038	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.015	U	0.015	LOD	0.038	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.015	U	0.015	LOD	0.038	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.027	J	0.015	LOD	0.038	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.038		0.015	LOD	0.038	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.12		0.015	LOD	0.038	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.093		0.015	LOD	0.038	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.13		0.015	LOD	0.038	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.26		0.015	LOD	0.038	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.12		0.015	LOD	0.038	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.17		0.015	LOD	0.038	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.030	J	0.015	LOD	0.038	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.23		0.015	LOD	0.038	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.008	J	0.015	LOD	0.038	LOQ	mg/kg	NP	RI, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.092		0.015	LOD	0.038	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.015	U	0.015	LOD	0.038	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.064		0.015	LOD	0.038	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.23		0.015	LOD	0.038	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SEDIMENT

Sample ID: CH-SWSD004-SE01 **Collected:** 6/9/2017 10:00:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.0010	J	0.0020	LOD	0.0025	LOQ	mg/kg	J	RI
ANTHRACENE	0.00078	J	0.0020	LOD	0.0025	LOQ	mg/kg	J	RI
BENZ(A)ANTHRACENE	0.0021	J	0.0020	LOD	0.0025	LOQ	mg/kg	J	RI
BENZO(A)PYRENE	0.0023	J	0.0020	LOD	0.0025	LOQ	mg/kg	J	RI
BENZO(G,H,I)PERYLENE	0.0011	J	0.0020	LOD	0.0025	LOQ	mg/kg	J	RI
INDENO(1,2,3-CD)PYRENE	0.0012	J	0.0020	LOD	0.0025	LOQ	mg/kg	J	RI
NAPHTHALENE	0.0021	J	0.0020	LOD	0.0025	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD005-SE01 **Collected:** 6/9/2017 9:40:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.00088	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
ANTHRACENE	0.00052	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
BENZ(A)ANTHRACENE	0.0011	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
BENZO(A)PYRENE	0.0012	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
BENZO(K)FLUORANTHENE	0.0015	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
CHRYSENE	0.0013	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
FLUORENE	0.0015	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD006-SE01 **Collected:** 6/9/2017 9:20:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.00092	J	0.0016	LOD	0.0021	LOQ	mg/kg	J	RI
CHRYSENE	0.00042	J	0.0016	LOD	0.0021	LOQ	mg/kg	J	RI
FLUORANTHENE	0.00083	J	0.0016	LOD	0.0021	LOQ	mg/kg	J	RI
FLUORENE	0.0010	J	0.0016	LOD	0.0021	LOQ	mg/kg	J	RI
PYRENE	0.00078	J	0.0016	LOD	0.0021	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD007-SE01 **Collected:** 6/9/2017 9:10:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.00051	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SEDIMENT

Sample ID: CH-SWSD007-SE01 **Collected:** 6/9/2017 9:10:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.00063	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI
BENZO(G,H,I)PERYLENE	0.00082	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI
FLUORENE	0.00094	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI
INDENO(1,2,3-CD)PYRENE	0.00091	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI
PHENANTHRENE	0.0012	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD008-SE01 **Collected:** 6/10/2017 8:55:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(B)FLUORANTHENE	0.0013	J	0.0025	LOD	0.0031	LOQ	mg/kg	J	RI
CHRYSENE	0.0011	J	0.0025	LOD	0.0031	LOQ	mg/kg	J	RI
PYRENE	0.00085	J	0.0025	LOD	0.0031	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD009-SE01 **Collected:** 6/10/2017 9:05:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.0027	J	0.0032	LOD	0.0040	LOQ	mg/kg	J	RI
ACENAPHTHYLENE	0.0012	J	0.0032	LOD	0.0040	LOQ	mg/kg	J	RI
DIBENZO(A,H)ANTHRACENE	0.0021	J	0.0032	LOD	0.0040	LOQ	mg/kg	J	RI
NAPHTHALENE	0.0019	J	0.0032	LOD	0.0040	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD011-SE01 **Collected:** 6/10/2017 11:30:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(B)FLUORANTHENE	0.0012	J	0.0019	LOD	0.0024	LOQ	mg/kg	J	RI
CHRYSENE	0.0016	J	0.0019	LOD	0.0024	LOQ	mg/kg	J	RI
FLUORANTHENE	0.0014	J	0.0019	LOD	0.0024	LOQ	mg/kg	J	RI
PYRENE	0.0020	J	0.0019	LOD	0.0024	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD011-SE01 **Collected:** 6/10/2017 11:30:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0019	U	0.0019	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SEDIMENT

Sample ID: CH-SWSD011-SE01 **Collected:** 6/10/2017 11:30:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.0019	U	0.0019	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.0019	U	0.0019	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.0019	U	0.0019	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.0019	U	0.0019	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.0019	U	0.0019	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.0019	U	0.0019	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.0019	U	0.0019	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.0019	U	0.0019	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.0047		0.0019	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.0017	J	0.0019	LOD	0.0024	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0019	U	0.0019	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.0013	J	0.0019	LOD	0.0024	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.0028		0.0019	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.0019	U	0.0019	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.0019	U	0.0019	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.0019	U	0.0019	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.0024	J	0.0019	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD012-SE01 **Collected:** 6/10/2017 11:15:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.0015	J	0.0020	LOD	0.0025	LOQ	mg/kg	J	RI
BENZ(A)ANTHRACENE	0.0011	J	0.0020	LOD	0.0025	LOQ	mg/kg	J	RI
BENZO(A)PYRENE	0.0016	J	0.0020	LOD	0.0025	LOQ	mg/kg	J	RI
CHRYSENE	0.0020	J	0.0020	LOD	0.0025	LOQ	mg/kg	J	RI
PHENANTHRENE	0.0021	J	0.0020	LOD	0.0025	LOQ	mg/kg	J	RI

Sample ID: CH-SWSD012-SE01 **Collected:** 6/10/2017 11:15:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0020	U	0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.0018	J	0.0020	LOD	0.0025	LOQ	mg/kg	NP	RI, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD012-SE01** ***Collected:*** **6/10/2017 11:15:00 AM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
ACENAPHTHENE	0.0020	U	0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.0020	U	0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.0020	U	0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.0012	J	0.0020	LOD	0.0025	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.0016	J	0.0020	LOD	0.0025	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.0028		0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.0020	U	0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.016		0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.0019	J	0.0020	LOD	0.0025	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0020	U	0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.0028		0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.0057		0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.0020	U	0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.0048		0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.0021	J	0.0020	LOD	0.0025	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.0042		0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg

Sample ID: **CH-SWSD013-SE01** ***Collected:*** **6/10/2017 11:00:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
BENZ(A)ANTHRACENE	0.0015	J	0.0020	LOD	0.0024	LOQ	mg/kg	J	RI
BENZO(A)PYRENE	0.0023	J	0.0020	LOD	0.0024	LOQ	mg/kg	J	RI
INDENO(1,2,3-CD)PYRENE	0.0011	J	0.0020	LOD	0.0024	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD013-SE01** ***Collected:*** **6/10/2017 11:00:00 AM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.0020	U	0.0020	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.0012	J	0.0020	LOD	0.0024	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHENE	0.0020	U	0.0020	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.0020	U	0.0020	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.0020	U	0.0020	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD013-SE01** ***Collected:*** **6/10/2017 11:00:00 AM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
BENZ(A)ANTHRACENE	0.0015	J	0.0020	LOD	0.0024	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.0020	J	0.0020	LOD	0.0024	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.0033		0.0020	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.0020	U	0.0020	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.011		0.0020	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.0025		0.0020	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0020	U	0.0020	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.0030		0.0020	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.0039		0.0020	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.0011	J	0.0020	LOD	0.0024	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.0031		0.0020	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.0024	J	0.0020	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.0049		0.0020	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg

Sample ID: **CH-SWSD015-SE01** ***Collected:*** **6/10/2017 8:15:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
DIBENZO(A,H)ANTHRACENE	0.0027	J	0.0024	LOD	0.0030	LOQ	mg/kg	J	RI

Sample ID: **CH-SWSD015-SE01** ***Collected:*** **6/10/2017 8:15:00 AM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.070		0.0024	LOD	0.0030	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.13		0.0024	LOD	0.0030	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.0091		0.0024	LOD	0.0030	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.023		0.0024	LOD	0.0030	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.022		0.0024	LOD	0.0030	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.024		0.0024	LOD	0.0030	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.020		0.0024	LOD	0.0030	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.044		0.0024	LOD	0.0030	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.0056		0.0024	LOD	0.0030	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.047		0.0024	LOD	0.0030	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SEDIMENT

Sample ID: CH-SWSD015-SE01 **Collected:** 6/10/2017 8:15:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.037		0.0024	LOD	0.0030	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0029	J	0.0024	LOD	0.0030	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.11		0.0024	LOD	0.0030	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.037		0.0024	LOD	0.0030	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.0071		0.0024	LOD	0.0030	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.31		0.0024	LOD	0.0030	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.062		0.0024	LOD	0.0030	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.13		0.0024	LOD	0.0030	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD111-SE01 **Collected:** 6/10/2017 10:20:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.013		0.0052	LOD	0.0064	LOQ	mg/kg	J-	EtoA
2-METHYLNAPHTHALENE	0.024		0.0052	LOD	0.0064	LOQ	mg/kg	J-	EtoA
ACENAPHTHENE	0.0052	U	0.0052	LOD	0.0064	LOQ	mg/kg	UJ	EtoA
ACENAPHTHYLENE	0.0022	J	0.0052	LOD	0.0064	LOQ	mg/kg	J	RI, EtoA
ANTHRACENE	0.028		0.0052	LOD	0.0064	LOQ	mg/kg	J-	EtoA
BENZ(A)ANTHRACENE	0.0054	J	0.0052	LOD	0.0064	LOQ	mg/kg	J	RI, EtoA
BENZO(A)PYRENE	0.010		0.0052	LOD	0.0064	LOQ	mg/kg	J-	EtoA
BENZO(B)FLUORANTHENE	0.016		0.0052	LOD	0.0064	LOQ	mg/kg	J-	EtoA
BENZO(G,H,I)PERYLENE	0.0040	J	0.0052	LOD	0.0064	LOQ	mg/kg	J	RI, EtoA
BENZO(K)FLUORANTHENE	0.036		0.0052	LOD	0.0064	LOQ	mg/kg	J-	EtoA
CHRYSENE	0.012		0.0052	LOD	0.0064	LOQ	mg/kg	J-	EtoA
DIBENZO(A,H)ANTHRACENE	0.0052	U	0.0052	LOD	0.0064	LOQ	mg/kg	UJ	EtoA
FLUORANTHENE	0.012		0.0052	LOD	0.0064	LOQ	mg/kg	J-	EtoA
FLUORENE	0.023		0.0052	LOD	0.0064	LOQ	mg/kg	J-	EtoA
INDENO(1,2,3-CD)PYRENE	0.0040	J	0.0052	LOD	0.0064	LOQ	mg/kg	J	RI, EtoA
NAPHTHALENE	0.013		0.0052	LOD	0.0064	LOQ	mg/kg	J-	EtoA
PHENANTHRENE	0.015		0.0052	LOD	0.0064	LOQ	mg/kg	J-	EtoA
PYRENE	0.017		0.0052	LOD	0.0064	LOQ	mg/kg	J-	EtoA

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SEDIMENT

Sample ID: CH-SWSD111-SE01 **Collected:** 6/10/2017 10:20:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.013		0.0052	LOD	0.0064	LOQ	mg/kg	NP	ProfJudg, EtoA
2-METHYLNAPHTHALENE	0.024		0.0052	LOD	0.0064	LOQ	mg/kg	NP	ProfJudg, EtoA
ACENAPHTHENE	0.0052	U	0.0052	LOD	0.0064	LOQ	mg/kg	NP	ProfJudg, EtoA
ACENAPHTHYLENE	0.0023	J	0.0052	LOD	0.0064	LOQ	mg/kg	NP	RI, ProfJudg, EtoA
ANTHRACENE	0.029		0.0052	LOD	0.0064	LOQ	mg/kg	NP	ProfJudg, EtoA
BENZ(A)ANTHRACENE	0.0058	J	0.0052	LOD	0.0064	LOQ	mg/kg	NP	RI, ProfJudg, EtoA
BENZO(A)PYRENE	0.010		0.0052	LOD	0.0064	LOQ	mg/kg	NP	ProfJudg, EtoA
BENZO(B)FLUORANTHENE	0.013		0.0052	LOD	0.0064	LOQ	mg/kg	NP	ProfJudg, EtoA
BENZO(G,H,I)PERYLENE	0.0028	J	0.0052	LOD	0.0064	LOQ	mg/kg	NP	RI, ProfJudg, EtoA
BENZO(K)FLUORANTHENE	0.050		0.0052	LOD	0.0064	LOQ	mg/kg	NP	ProfJudg, EtoA
CHRYSENE	0.012		0.0052	LOD	0.0064	LOQ	mg/kg	NP	ProfJudg, EtoA
DIBENZO(A,H)ANTHRACENE	0.0052	U	0.0052	LOD	0.0064	LOQ	mg/kg	NP	ProfJudg, EtoA
FLUORANTHENE	0.011		0.0052	LOD	0.0064	LOQ	mg/kg	NP	ProfJudg, EtoA
FLUORENE	0.021		0.0052	LOD	0.0064	LOQ	mg/kg	NP	ProfJudg, EtoA
INDENO(1,2,3-CD)PYRENE	0.0033	J	0.0052	LOD	0.0064	LOQ	mg/kg	NP	RI, ProfJudg, EtoA
NAPHTHALENE	0.013		0.0052	LOD	0.0064	LOQ	mg/kg	NP	ProfJudg, EtoA
PHENANTHRENE	0.015		0.0052	LOD	0.0064	LOQ	mg/kg	NP	ProfJudg, EtoA
PYRENE	0.021		0.0052	LOD	0.0064	LOQ	mg/kg	NP	ProfJudg, EtoA

Sample ID: CH-SWSD151-SE01 **Collected:** 6/9/2017 2:15:00 PM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0043		0.0026	LOD	0.0033	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.0071		0.0026	LOD	0.0033	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.0041		0.0026	LOD	0.0033	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.0060		0.0026	LOD	0.0033	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.011		0.0026	LOD	0.0033	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.035		0.0026	LOD	0.0033	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.037		0.0026	LOD	0.0033	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.097		0.0026	LOD	0.0033	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.012		0.0026	LOD	0.0033	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SEDIMENT

Sample ID: CH-SWSD151-SE01 **Collected:** 6/9/2017 2:15:00 PM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(K)FLUORANTHENE	0.057		0.0026	LOD	0.0033	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.049		0.0026	LOD	0.0033	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0044		0.0026	LOD	0.0033	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.080		0.0026	LOD	0.0033	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.0072		0.0026	LOD	0.0033	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.014		0.0026	LOD	0.0033	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.017		0.0026	LOD	0.0033	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.039		0.0026	LOD	0.0033	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.11		0.0026	LOD	0.0033	LOQ	mg/kg	NP	ProfJudg

Sample ID: CH-SWSD152-SE01 **Collected:** 6/9/2017 2:00:00 PM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0048		0.0032	LOD	0.0039	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.0064		0.0032	LOD	0.0039	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.0035	J	0.0032	LOD	0.0039	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHYLENE	0.0073		0.0032	LOD	0.0039	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.011		0.0032	LOD	0.0039	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.043		0.0032	LOD	0.0039	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.050		0.0032	LOD	0.0039	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.11		0.0032	LOD	0.0039	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.015		0.0032	LOD	0.0039	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.091		0.0032	LOD	0.0039	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.060		0.0032	LOD	0.0039	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0058		0.0032	LOD	0.0039	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.098		0.0032	LOD	0.0039	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.0096		0.0032	LOD	0.0039	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.019		0.0032	LOD	0.0039	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.0070		0.0032	LOD	0.0039	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.062		0.0032	LOD	0.0039	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.16		0.0032	LOD	0.0039	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SEDIMENT

Sample ID: CH-SWSD152-SE01-X **Collected:** 6/9/2017 2:00:00 PM **Analysis Type:** Reanalysis-02/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.011		0.0063	LOD	0.0079	LOQ	mg/kg	NP	ProfJudg, StoE
2-METHYLNAPHTHALENE	0.022		0.0063	LOD	0.0079	LOQ	mg/kg	NP	ProfJudg, StoE
ACENAPHTHENE	0.0092		0.0063	LOD	0.0079	LOQ	mg/kg	NP	Lcs, ProfJudg, StoE
ACENAPHTHYLENE	0.016		0.0063	LOD	0.0079	LOQ	mg/kg	NP	ProfJudg, StoE
ANTHRACENE	0.035		0.0063	LOD	0.0079	LOQ	mg/kg	NP	ProfJudg, StoE
BENZ(A)ANTHRACENE	0.068		0.0063	LOD	0.0079	LOQ	mg/kg	NP	ProfJudg, StoE
BENZO(A)PYRENE	0.092		0.0063	LOD	0.0079	LOQ	mg/kg	NP	ProfJudg, StoE
BENZO(B)FLUORANTHENE	0.18		0.0063	LOD	0.0079	LOQ	mg/kg	NP	ProfJudg, StoE
BENZO(G,H,I)PERYLENE	0.020		0.0063	LOD	0.0079	LOQ	mg/kg	NP	ProfJudg, StoE
BENZO(K)FLUORANTHENE	0.059		0.0063	LOD	0.0079	LOQ	mg/kg	NP	ProfJudg, StoE
CHRYSENE	0.092		0.0063	LOD	0.0079	LOQ	mg/kg	NP	ProfJudg, StoE
DIBENZO(A,H)ANTHRACENE	0.0070	J	0.0063	LOD	0.0079	LOQ	mg/kg	NP	RI, ProfJudg, StoE
FLUORANTHENE	0.16		0.0063	LOD	0.0079	LOQ	mg/kg	NP	ProfJudg, StoE
FLUORENE	0.0082		0.0063	LOD	0.0079	LOQ	mg/kg	NP	ProfJudg, StoE
INDENO(1,2,3-CD)PYRENE	0.026		0.0063	LOD	0.0079	LOQ	mg/kg	NP	ProfJudg, StoE
NAPHTHALENE	0.048		0.0063	LOD	0.0079	LOQ	mg/kg	NP	ProfJudg, StoE
PHENANTHRENE	0.076		0.0063	LOD	0.0079	LOQ	mg/kg	NP	ProfJudg, StoE
PYRENE	0.16		0.0063	LOD	0.0079	LOQ	mg/kg	NP	ProfJudg, StoE

Sample ID: CH-SWSD155-SE01 **Collected:** 6/9/2017 11:30:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0033	J	0.0030	LOD	0.0037	LOQ	mg/kg	J	RI
ACENAPHTHYLENE	0.033		0.0030	LOD	0.0037	LOQ	mg/kg	J	Ms
ANTHRACENE	0.042		0.0030	LOD	0.0037	LOQ	mg/kg	J	Ms
BENZ(A)ANTHRACENE	0.16		0.0030	LOD	0.0037	LOQ	mg/kg	J	Ms, Ms, Ms
BENZO(A)PYRENE	0.16		0.0030	LOD	0.0037	LOQ	mg/kg	J	Ms, Ms, Ms
BENZO(B)FLUORANTHENE	0.39		0.0030	LOD	0.0037	LOQ	mg/kg	J	Ms, Ms, Ms
BENZO(G,H,I)PERYLENE	0.059		0.0030	LOD	0.0037	LOQ	mg/kg	J	Ms, Ms
BENZO(K)FLUORANTHENE	0.17		0.0030	LOD	0.0037	LOQ	mg/kg	J	Ms, Ms, Ms
CHRYSENE	0.23		0.0030	LOD	0.0037	LOQ	mg/kg	J	Ms, Ms, Ms

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **SEDIMENT**

Sample ID: **CH-SWSD155-SE01** ***Collected:*** **6/9/2017 11:30:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
DIBENZO(A,H)ANTHRACENE	0.023		0.0030	LOD	0.0037	LOQ	mg/kg	J-	Ms
FLUORANTHENE	0.30		0.0030	LOD	0.0037	LOQ	mg/kg	J	Ms, Ms, Ms
INDENO(1,2,3-CD)PYRENE	0.071		0.0030	LOD	0.0037	LOQ	mg/kg	J	Ms, Ms
NAPHTHALENE	0.0061		0.0030	LOD	0.0037	LOQ	mg/kg	J	Ms, Ms
PHENANTHRENE	0.081		0.0030	LOD	0.0037	LOQ	mg/kg	J	Ms, Ms
PYRENE	0.27		0.0030	LOD	0.0037	LOQ	mg/kg	J	Ms, Ms, Ms

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Reason Code Legend

Reason Code	*Description*
EtoA	Extraction to Analysis Estimation
Fd	Field Duplicate Precision
Lcs	Laboratory Control Spike Upper Estimation
Ld	Laboratory Duplicate Precision
Mb	Method Blank Contamination
Ms	Matrix Spike Lower Estimation
Ms	Matrix Spike Precision
Ms	Matrix Spike Upper Estimation
ProfJudg	Professional Judgment
RI	Reporting Limit Trace Value
StoE	Sampling to Extraction Estimation
Surr	Surrogate/Tracer Recovery Lower Estimation

* denotes a non-reportable result

QC Outlier Report: HoldingTimes

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D **Preparation Method: SW3546**

Matrix: SEDIMENT

Sample ID	Type	Actual	Criteria	Units	Flag
CH-SWSD111-SE01-X (Reanalysis-(	Sampling To Extraction	16.00	14.00	DAYS	J- (all detects) UJ (all non-detects)

Method: 8270D SIM **Preparation Method: SW3546**

Matrix: SEDIMENT

Sample ID	Type	Actual	Criteria	Units	Flag
CH-SWSD152-SE01-X (Reanalysis-(	Sampling To Extraction	33.00	14.00	DAYS	J-(all detects) R(all non-detects)
CH-SWSD111-SE01 (Initial/TOT) CH-SWSD111-SE01 (Reanalysis-01/	Extraction To Analysis	62.00 62.00	40.00 40.00	DAYS DAYS	J-(all detects) UJ(all non-detects)

Surrogate Outlier Report

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D
Matrix: SEDIMENT

Sample ID (Analysis Type)	Surrogate	Sample % Recovery	% Recovery Limits	Affected Compounds	Flag
CH-SWSD111-SE01 (Initial/TOT)	Terphenyl-d14	49	54.00-127.00	No Affected Compounds	

Method: 8270D SIM
Matrix: SEDIMENT

Sample ID (Analysis Type)	Surrogate	Sample % Recovery	% Recovery Limits	Affected Compounds	Flag
CH-SWSD111-SE01 (Initial/TOT)	Fluoranthene-d10	52	56.00-142.00	No Affected Compounds	
CH-SWSD111-SE01 (Reanalysis-01/ TOT)	Fluoranthene-d10	51	56.00-142.00	No Affected Compounds	
CH-SWSD152-SE01 (Reanalysis-01/ TOT)	Fluoranthene-d10	53	56.00-142.00	No Affected Compounds	
CH-SWSD152-SE01 (Initial/TOT)	Fluoranthene-d10	51	56.00-142.00	No Affected Compounds	

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SEDIMENT

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-SWSD155-SE01MS (Total) CH-SWSD155-SE01MSD (Total) (CH-SWSD155-SE01)	BARIUM IRON LEAD	- 63 45	85 53 -	86.00-116.00 81.00-124.00 84.00-118.00	- - -	BARIUM IRON LEAD	J- (all detects) UJ (all non-detects)
CH-SWSD155-SE01MS (Total) CH-SWSD155-SE01MSD (Total) (CH-SWSD155-SE01)	ALUMINUM CALCIUM MANGANESE VANADIUM ZINC	427 - 144 117 195	271 120 139 - 198	78.00-124.00 86.00-118.00 85.00-116.00 82.00-116.00 82.00-119.00	- - - - -	ALUMINUM CALCIUM MANGANESE VANADIUM ZINC	J+(all detects)

Method: 8270D
Matrix: SEDIMENT

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-SWSD155-SE01MSD (CH-SWSD155-SE01)	4-Chloroaniline [p-Chloroaniline]	-	-	17.00-106.00	30 (20.00)	4-Chloroaniline [p-Chloroaniline]	J(all detects)

Method: 6020A
Matrix: SEDIMENT

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-SWSD145-SE01MS (Total) CH-SWSD145-SE01MSD (Total) (CH-SWSD145-SE01)	ALUMINUM ANTIMONY CADMIUM COBALT MANGANESE POTASSIUM SELENIUM SILVER SODIUM THALLIUM	70 - - - 31 - - - - -	219 - - - 124 - - - - -	78.00-124.00 72.00-124.00 84.00-116.00 84.00-115.00 85.00-116.00 85.00-119.00 80.00-119.00 83.00-118.00 79.00-125.00 83.00-118.00	- 25 (20.00) 21 (20.00) 25 (20.00) - 22 (20.00) 24 (20.00) 28 (20.00) 25 (20.00) 31 (20.00)	ALUMINUM ANTIMONY CADMIUM COBALT MANGANESE POTASSIUM SELENIUM SILVER SODIUM THALLIUM	J(all detects) UJ(all non-detects)
CH-SWSD145-SE01MS (Total) (CH-SWSD145-SE01)	IRON LEAD	-87 76	- -	81.00-124.00 84.00-118.00	- -	IRON LEAD	J-(all detects) UJ(all non-detects)
CH-SWSD145-SE01MS (Total) CH-SWSD145-SE01MSD (Total) (CH-SWSD145-SE01)	ARSENIC CALCIUM ZINC	- - 202	127 142 208	82.00-118.00 86.00-118.00 82.00-119.00	- - -	ARSENIC CALCIUM ZINC	J+(all detects)

Method: 8270D
Matrix: SEDIMENT

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-SWSD145-SE01MSD (CH-SWSD145-SE01)	2-CHLORONAPHTHALENE	-	-	41.00-114.00	36 (20.00)	2-CHLORONAPHTHALENE	J(all detects)

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: USACE

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D
Matrix: SEDIMENT

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-SWSD145-SE01MS CH-SWSD145-SE01MSD (CH-SWSD145-SE01)	4-Chloroaniline [p-Chloroaniline]	13	-	17.00-106.00	93 (20.00)	4-Chloroaniline [p-Chloroaniline]	J(all detects) UJ(all non-detects)

Method: 9060A
Matrix: SEDIMENT

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-SWSD155-SE01MSD (CH-SWSD155-SE01)	TOTAL ORGANIC CARBON (TOC)	-	147	47.00-143.00	27 (7.00)	TOTAL ORGANIC CARBON (TOC	J(all detects) UJ(all non-detects)
CH-SWSD145-SE01MSD (CH-SWSD145-SE01)	TOTAL ORGANIC CARBON (TOC)	-	-	47.00-143.00	32 (7.00)	TOTAL ORGANIC CARBON (TOC	J(all detects) UJ(all non-detects)

Method: 8270D SIM
Matrix: SEDIMENT

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-SWSD155-SE01MSD (CH-SWSD155-SE01)	ACENAPHTHYLENE ANTHRACENE NAPHTHALENE PHENANTHRENE	- - - -	- - 198 143	39.00-116.00 50.00-114.00 38.00-111.00 49.00-113.00	23 (20.00) 25 (20.00) 62 (20.00) 35 (20.00)	ACENAPHTHYLENE ANTHRACENE NAPHTHALENE PHENANTHRENE	J(all detects)
CH-SWSD155-SE01MS CH-SWSD155-SE01MSD (CH-SWSD155-SE01)	BENZ(A)ANTHRACENE BENZO(A)PYRENE BENZO(B)FLUORANTHENE BENZO(G,H,I)PERYLENE BENZO(K)FLUORANTHENE CHRYSENE FLUORANTHENE INDENO(1,2,3-CD)PYRENE PYRENE	21 14 -50 14 27 -15 -60 16 -33	165 160 251 45 194 211 235 - 301	54.00-122.00 50.00-125.00 53.00-128.00 49.00-127.00 56.00-123.00 57.00-118.00 55.00-119.00 49.00-130.00 55.00-117.00	47 (20.00) 48 (20.00) 48 (20.00) 28 (20.00) 48 (20.00) 56 (20.00) 60 (20.00) 31 (20.00) 67 (20.00)	BENZ(A)ANTHRACENE BENZO(A)PYRENE BENZO(B)FLUORANTHENE BENZO(G,H,I)PERYLENE BENZO(K)FLUORANTHENE CHRYSENE FLUORANTHENE INDENO(1,2,3-CD)PYRENE PYRENE	J(all detects) UJ(all non-detects)
CH-SWSD155-SE01MS (CH-SWSD155-SE01)	DIBENZO(A,H)ANTHRACENE	48	-	50.00-129.00	-	DIBENZO(A,H)ANTHRACENE	J-(all detects) UJ(all non-detects)

Lab Duplicate Outlier Report

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 9060A
Matrix: SEDIMENT

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
CH-SWSD008-SE01DUP (CH-SWSD008-SE01)	TOTAL ORGANIC CARBON (TOC)	35	30.00	J (all detects) UJ (all non-detects)

Method: 6020A
Matrix: SEDIMENT

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
CH-SWSD145-SE01DUP (Total) (CH-SWSD145-SE01)	CADMIUM SILVER	31 200	20.00 20.00	J(all detects) UJ(all non-detects)
CH-SWSD155-SE01DUP (Total) (CH-SWSD155-SE01)	BARIUM BERYLLIUM CADMIUM CALCIUM LEAD MAGNESIUM POTASSIUM SELENIUM SILVER	22 24 77 27 23 22 23 30 24	20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00	J(all detects) UJ(all non-detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SEDIMENT

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD010-SE01 (Total)	CH-SWSD010-SE01D (Total)			
ANTIMONY	0.260	0.214	19	30.00	No Qualifiers Applied
ARSENIC	2.34	2.14	9	30.00	
CADMIUM	0.360	0.265	30	30.00	
COPPER	13.9	10.9	24	30.00	
LEAD	56.2	42.7	27	30.00	
SELENIUM	0.873	0.762	14	30.00	
SILVER	0.0489	0.0561	14	30.00	
SODIUM	215	165	26	30.00	
ALUMINUM	18600	10800	53	30.00	J(all detects) UJ(all non-detects)
BARIUM	75.3	52.8	35	30.00	
BERYLLIUM	0.800	0.548	37	30.00	
CALCIUM	1340	865	43	30.00	
CHROMIUM	20.5	10.7	63	30.00	
COBALT	3.87	1.88	69	30.00	
IRON	10800	4920	75	30.00	
MAGNESIUM	2890	1200	83	30.00	
MANGANESE	110	46.6	81	30.00	
NICKEL	11.7	6.08	63	30.00	
POTASSIUM	1420	768	60	30.00	
THALLIUM	0.245	0.168	37	30.00	
VANADIUM	28.3	18.2	43	30.00	
ZINC	58.2	35.5	48	30.00	

Method: 7471B
Matrix: SEDIMENT

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD010-SE01 (Total)	CH-SWSD010-SE01D (Total)			
MERCURY	0.0912	0.0703	26	30.00	No Qualifiers Applied

Method: 8270D
Matrix: SEDIMENT

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD010-SE01	CH-SWSD010-SE01D			
3/4-Methylphenol [m/p-Cresol]	0.045	0.044	2	30.00	No Qualifiers Applied
ACENAPHTHYLENE	0.025	0.020	22	30.00	

Field Duplicate RPD Report

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D
Matrix: SEDIMENT

1-METHYLNAPHTHALENE	0.020	0.041 U	200	30.00	
2-METHYLNAPHTHALENE	0.019	0.041 U	200	30.00	
ACENAPHTHENE	0.074	0.024	102	30.00	
ANTHRACENE	0.20	0.061	107	30.00	
BENZ(A)ANTHRACENE	0.80	0.32	86	30.00	
Benzo (g,h,i) perylene	0.58	0.24	83	30.00	
BENZO(A)PYRENE	0.93	0.39	82	30.00	
BENZO(B)FLUORANTHENE	1.3	0.55	81	30.00	
BENZO(K)FLUORANTHENE	0.57	0.23	85	30.00	J(all detects)
CARBAZOLE	0.11	0.080 U	200	30.00	UJ(all non-detects)
CHRYSENE	0.99	0.36	93	30.00	
DIBENZO(A,H)ANTHRACENE	0.17	0.078	74	30.00	
FLUORANTHENE	1.9	0.66	97	30.00	
FLUORENE	0.077	0.026	99	30.00	
INDENO(1,2,3-CD)PYRENE	0.59	0.24	84	30.00	
NAPHTHALENE	0.037	0.014	90	30.00	
PHENANTHRENE	0.95	0.32	99	30.00	
PYRENE	1.6	0.62	88	30.00	

Method: 9045D
Matrix: SEDIMENT

Analyte	Concentration (pH Units)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD010-SE01	CH-SWSD010-SE01D			
PH	5.51	5.46	1	30.00	No Qualifiers Applied

Method: 9060A
Matrix: SEDIMENT

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD010-SE01	CH-SWSD010-SE01D			
TOTAL ORGANIC CARBON (TOC)	83500	58400	35	30.00	J(all detects) UJ(all non-detects)

Method: Calculation
Matrix: SEDIMENT

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD010-SE01 (Total)	CH-SWSD010-SE01D (Total)			
TRIVALENT CHROMIUM	20.5	10.7	63	20.00	J(all detects) UJ(all non-detects)

Method: D1498
Matrix: SEDIMENT

Analyte	Concentration (mV)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD010-SE01	CH-SWSD010-SE01D			
Oxidation Reduction Potential (ORP)	361	354	2	30.00	No Qualifiers Applied

Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D
Matrix: SEDIMENT

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P6LBLCSQ176SLB026 (CH-SWSD111-SE01-X)	2-CHLORONAPHTHALENE	116	-	41.00-114.00	-	2-CHLORONAPHTHALENE	J+ (all detects)

Method: 8270D SIM
Matrix: SEDIMENT

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P2LPLCSQ192SLP026 (CH-SWSD152-SE01-X)	ACENAPHTHENE	112	-	44.00-111.00	-	ACENAPHTHENE	J+(all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: SEDIMENT

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD004-SE01	BERYLLIUM	J	0.0742	0.287	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.0865	0.287	LOQ	mg/kg	
	SELENIUM	J	0.173	1.15	LOQ	mg/kg	
	SODIUM	J	59.2	115	LOQ	mg/kg	
	THALLIUM	J	0.0638	0.287	LOQ	mg/kg	
	ZINC	J	8.38	8.62	LOQ	mg/kg	
CH-SWSD005-SE01	BERYLLIUM	J	0.106	0.170	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.0707	0.170	LOQ	mg/kg	
	SELENIUM	J	0.184	0.682	LOQ	mg/kg	
CH-SWSD006-SE01	BERYLLIUM	J	0.105	0.213	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.148	0.853	LOQ	mg/kg	
	SODIUM	J	65.0	85.3	LOQ	mg/kg	
	THALLIUM	J	0.0520	0.213	LOQ	mg/kg	
CH-SWSD007-SE01	BERYLLIUM	J	0.111	0.232	LOQ	mg/kg	J (all detects)
	SODIUM	J	40.5	92.7	LOQ	mg/kg	
	THALLIUM	J	0.0521	0.232	LOQ	mg/kg	
CH-SWSD008-SE01	CADMIUM	J	0.0679	0.195	LOQ	mg/kg	J (all detects)
	SILVER	J	0.0296	0.195	LOQ	mg/kg	
	THALLIUM	J	0.112	0.195	LOQ	mg/kg	
	ZINC	J	5.57	5.84	LOQ	mg/kg	
CH-SWSD009-SE01	ANTIMONY	J	0.179	0.552	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.0797	0.276	LOQ	mg/kg	
	SILVER	J	0.0505	0.276	LOQ	mg/kg	
CH-SWSD010-SE01	ANTIMONY	J	0.260	0.534	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.873	1.07	LOQ	mg/kg	
	SILVER	J	0.0489	0.267	LOQ	mg/kg	
	THALLIUM	J	0.245	0.267	LOQ	mg/kg	
CH-SWSD010-SE01D	ANTIMONY	J	0.214	0.506	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.762	1.01	LOQ	mg/kg	
	SILVER	J	0.0561	0.253	LOQ	mg/kg	
	THALLIUM	J	0.168	0.253	LOQ	mg/kg	
CH-SWSD011-SE01	BERYLLIUM	J	0.179	0.265	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.0593	0.265	LOQ	mg/kg	
	SILVER	J	0.0344	0.265	LOQ	mg/kg	
	THALLIUM	J	0.0693	0.265	LOQ	mg/kg	
CH-SWSD012-SE01	ARSENIC	J	0.646	0.845	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.0393	0.211	LOQ	mg/kg	
	COPPER	J	0.828	0.845	LOQ	mg/kg	
	NICKEL	J	0.837	0.845	LOQ	mg/kg	
	SELENIUM	J	0.111	0.845	LOQ	mg/kg	
	THALLIUM	J	0.0321	0.211	LOQ	mg/kg	
	ZINC	J	5.56	6.34	LOQ	mg/kg	
CH-SWSD013-SE01	ARSENIC	J	0.387	1.09	LOQ	mg/kg	J (all detects)
	COBALT	J	0.200	0.273	LOQ	mg/kg	
	NICKEL	J	0.678	1.09	LOQ	mg/kg	
	ZINC	J	6.75	8.19	LOQ	mg/kg	
CH-SWSD014-SE01	CADMIUM	J	0.0777	0.186	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.189	0.744	LOQ	mg/kg	
	THALLIUM	J	0.0416	0.186	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: SEDIMENT

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD015-SE01	CADMIUM	J	0.256	0.293	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.428	1.17	LOQ	mg/kg	
	THALLIUM	J	0.0948	0.293	LOQ	mg/kg	
CH-SWSD024-SE01	ANTIMONY	J	0.0888	0.294	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.0652	0.147	LOQ	mg/kg	
	SELENIUM	J	0.395	0.587	LOQ	mg/kg	
	SILVER	J	0.0274	0.147	LOQ	mg/kg	
	THALLIUM	J	0.0666	0.147	LOQ	mg/kg	
CH-SWSD025-SE01	CADMIUM	J	0.152	0.236	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.355	0.943	LOQ	mg/kg	
	SILVER	J	0.0353	0.236	LOQ	mg/kg	
	THALLIUM	J	0.0690	0.236	LOQ	mg/kg	
CH-SWSD026-SE01	CADMIUM	J	0.0555	0.257	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.292	1.03	LOQ	mg/kg	
	SODIUM	J	102	103	LOQ	mg/kg	
	THALLIUM	J	0.0955	0.257	LOQ	mg/kg	
CH-SWSD111-SE01	ANTIMONY	J	0.252	0.825	LOQ	mg/kg	J (all detects)
	SILVER	J	0.0812	0.412	LOQ	mg/kg	
	THALLIUM	J	0.172	0.412	LOQ	mg/kg	
CH-SWSD141-SE01	CADMIUM	J	0.232	0.330	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.407	1.32	LOQ	mg/kg	
	THALLIUM	J	0.0663	0.330	LOQ	mg/kg	
CH-SWSD142-SE01	CADMIUM	J	0.208	0.323	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.389	1.29	LOQ	mg/kg	
	THALLIUM	J	0.0474	0.323	LOQ	mg/kg	
CH-SWSD143-SE01	ARSENIC	J	1.02	1.37	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.269	0.342	LOQ	mg/kg	
	CADMIUM	J	0.120	0.342	LOQ	mg/kg	
	SELENIUM	J	0.240	1.37	LOQ	mg/kg	
	SODIUM	J	127	137	LOQ	mg/kg	
CH-SWSD144-SE01	CADMIUM	J	0.380	0.463	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.688	1.85	LOQ	mg/kg	
CH-SWSD145-SE01	CADMIUM	J	0.378	0.506	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.627	2.02	LOQ	mg/kg	
	SODIUM	J	191	202	LOQ	mg/kg	
	THALLIUM	J	0.0876	0.506	LOQ	mg/kg	
CH-SWSD146-SE01	CADMIUM	J	0.222	0.356	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.440	1.42	LOQ	mg/kg	
	THALLIUM	J	0.0719	0.356	LOQ	mg/kg	
CH-SWSD147-SE01	CADMIUM	J	0.272	0.309	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.342	1.24	LOQ	mg/kg	
	THALLIUM	J	0.0553	0.309	LOQ	mg/kg	
CH-SWSD148-SE01	CADMIUM	J	0.146	0.247	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.247	0.989	LOQ	mg/kg	
	SODIUM	J	95.6	98.9	LOQ	mg/kg	
CH-SWSD149-SE01	SELENIUM	J	1.53	2.91	LOQ	mg/kg	J (all detects)
	SILVER	J	0.0996	0.727	LOQ	mg/kg	
	THALLIUM	J	0.169	0.727	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: SEDIMENT

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD150-SE01	CADMIUM	J	0.0592	0.207	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.387	0.828	LOQ	mg/kg	
	THALLIUM	J	0.100	0.207	LOQ	mg/kg	
CH-SWSD151-SE01	BERYLLIUM	J	0.249	0.375	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.109	0.375	LOQ	mg/kg	
	SELENIUM	J	0.964	1.50	LOQ	mg/kg	
	SILVER	J	0.0442	0.375	LOQ	mg/kg	
	THALLIUM	J	0.126	0.375	LOQ	mg/kg	
	ZINC	J	9.94	11.2	LOQ	mg/kg	
CH-SWSD152-SE01	BERYLLIUM	J	0.332	0.399	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.185	0.399	LOQ	mg/kg	
	SELENIUM	J	1.23	1.59	LOQ	mg/kg	
	SILVER	J	0.0793	0.399	LOQ	mg/kg	
	THALLIUM	J	0.154	0.399	LOQ	mg/kg	
CH-SWSD153-SE01	BERYLLIUM	J	0.320	0.364	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.0753	0.364	LOQ	mg/kg	
	SELENIUM	J	0.645	1.45	LOQ	mg/kg	
	THALLIUM	J	0.108	0.364	LOQ	mg/kg	
CH-SWSD154-SE01	CADMIUM	J	0.0829	0.271	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.434	1.08	LOQ	mg/kg	
	THALLIUM	J	0.116	0.271	LOQ	mg/kg	
CH-SWSD155-SE01	BERYLLIUM	J	0.403	0.410	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.844	1.64	LOQ	mg/kg	
	SILVER	J	0.0512	0.410	LOQ	mg/kg	
	THALLIUM	J	0.134	0.410	LOQ	mg/kg	

Method: 7471B

Matrix: SEDIMENT

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD006-SE01	MERCURY	J	0.0138	0.125	LOQ	mg/kg	J (all detects)
CH-SWSD008-SE01	MERCURY	J	0.0276	0.178	LOQ	mg/kg	J (all detects)
CH-SWSD009-SE01	MERCURY	J	0.0822	0.227	LOQ	mg/kg	J (all detects)
CH-SWSD010-SE01	MERCURY	J	0.0912	0.249	LOQ	mg/kg	J (all detects)
CH-SWSD010-SE01D	MERCURY	J	0.0703	0.242	LOQ	mg/kg	J (all detects)
CH-SWSD012-SE01	MERCURY	J	0.0171	0.142	LOQ	mg/kg	J (all detects)
CH-SWSD015-SE01	MERCURY	J	0.0255	0.176	LOQ	mg/kg	J (all detects)
CH-SWSD024-SE01	MERCURY	J	0.0200	0.135	LOQ	mg/kg	J (all detects)
CH-SWSD025-SE01	MERCURY	J	0.0148	0.127	LOQ	mg/kg	J (all detects)
CH-SWSD111-SE01	MERCURY	J	0.153	0.388	LOQ	mg/kg	J (all detects)
CH-SWSD141-SE01	MERCURY	J	0.0337	0.223	LOQ	mg/kg	J (all detects)
CH-SWSD142-SE01	MERCURY	J	0.0343	0.211	LOQ	mg/kg	J (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 7471B

Matrix: SEDIMENT

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD144-SE01	MERCURY	J	0.0539	0.245	LOQ	mg/kg	J (all detects)
CH-SWSD145-SE01	MERCURY	J	0.0323	0.263	LOQ	mg/kg	J (all detects)
CH-SWSD146-SE01	MERCURY	J	0.0279	0.246	LOQ	mg/kg	J (all detects)
CH-SWSD147-SE01	MERCURY	J	0.0282	0.200	LOQ	mg/kg	J (all detects)
CH-SWSD148-SE01	MERCURY	J	0.0317	0.153	LOQ	mg/kg	J (all detects)
CH-SWSD149-SE01	MERCURY	J	0.153	0.499	LOQ	mg/kg	J (all detects)
CH-SWSD150-SE01	MERCURY	J	0.0334	0.137	LOQ	mg/kg	J (all detects)
CH-SWSD151-SE01	MERCURY	J	0.0857	0.185	LOQ	mg/kg	J (all detects)
CH-SWSD152-SE01	MERCURY	J	0.145	0.221	LOQ	mg/kg	J (all detects)
CH-SWSD153-SE01	MERCURY	J	0.0728	0.206	LOQ	mg/kg	J (all detects)
CH-SWSD154-SE01	MERCURY	J	0.0638	0.187	LOQ	mg/kg	J (all detects)
CH-SWSD155-SE01	MERCURY	J	0.0731	0.220	LOQ	mg/kg	J (all detects)

Method: 8270D

Matrix: SEDIMENT

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD004-SE01	FLUORANTHENE	J	0.006	0.025	LOQ	mg/kg	J (all detects)
	PYRENE	J	0.006	0.025	LOQ	mg/kg	
CH-SWSD005-SE01	NAPHTHALENE	J	0.006	0.019	LOQ	mg/kg	J (all detects)
CH-SWSD007-SE01	BENZO(B)FLUORANTHENE	J	0.006	0.020	LOQ	mg/kg	J (all detects)
	CHRYSENE	J	0.004	0.020	LOQ	mg/kg	
	FLUORANTHENE	J	0.01	0.020	LOQ	mg/kg	
	PYRENE	J	0.01	0.020	LOQ	mg/kg	
CH-SWSD008-SE01	BENZOIC ACID	J	0.38	0.94	LOQ	mg/kg	J (all detects)
CH-SWSD009-SE01	BENZ(A)ANTHRACENE	J	0.017	0.040	LOQ	mg/kg	J (all detects)
	Benzo (g,h,i) perylene	J	0.014	0.040	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.019	0.040	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.024	0.040	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.014	0.040	LOQ	mg/kg	
	CHRYSENE	J	0.019	0.040	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.011	0.040	LOQ	mg/kg	
	PHENANTHRENE	J	0.028	0.040	LOQ	mg/kg	
	PYRENE	J	0.038	0.040	LOQ	mg/kg	
CH-SWSD010-SE01	1-METHYLNAPHTHALENE	J	0.020	0.044	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.019	0.044	LOQ	mg/kg	
	3/4-Methylphenol [m/p-Cresol]	J	0.045	0.085	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.025	0.044	LOQ	mg/kg	
	NAPHTHALENE	J	0.037	0.044	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D

Matrix: SEDIMENT

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD010-SE01D	3/4-Methylphenol [m/p-Cresol]	J	0.044	0.080	LOQ	mg/kg	
	ACENAPHTHENE	J	0.024	0.041	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.020	0.041	LOQ	mg/kg	J (all detects)
	FLUORENE	J	0.026	0.041	LOQ	mg/kg	
	NAPHTHALENE	J	0.014	0.041	LOQ	mg/kg	
CH-SWSD012-SE01	BENZO(B)FLUORANTHENE	J	0.006	0.025	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.01	0.025	LOQ	mg/kg	J (all detects)
	NAPHTHALENE	J	0.005	0.025	LOQ	mg/kg	
CH-SWSD013-SE01	BENZO(B)FLUORANTHENE	J	0.005	0.025	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.008	0.025	LOQ	mg/kg	J (all detects)
	FLUORANTHENE	J	0.006	0.025	LOQ	mg/kg	
CH-SWSD014-SE01	2-METHYLNAPHTHALENE	J	0.017	0.026	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.014	0.026	LOQ	mg/kg	J (all detects)
	NAPHTHALENE	J	0.010	0.026	LOQ	mg/kg	
CH-SWSD015-SE01	ACENAPHTHENE	J	0.010	0.030	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.028	0.030	LOQ	mg/kg	
	ANTHRACENE	J	0.023	0.030	LOQ	mg/kg	
	BENZ(A)ANTHRACENE	J	0.025	0.030	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.016	0.030	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.023	0.030	LOQ	mg/kg	J (all detects)
	BENZO(K)FLUORANTHENE	J	0.019	0.030	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.018	0.030	LOQ	mg/kg	
	FLUORENE	J	0.026	0.030	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.016	0.030	LOQ	mg/kg	
CH-SWSD024-SE01	1-METHYLNAPHTHALENE	J	0.012	0.024	LOQ	mg/kg	
	2-METHYLNAPHTHALENE	J	0.016	0.024	LOQ	mg/kg	J (all detects)
	NAPHTHALENE	J	0.018	0.024	LOQ	mg/kg	
CH-SWSD026-SE01	1,1-BIPHENYL	J	0.041	0.050	LOQ	mg/kg	J (all detects)
CH-SWSD111-SE01	1-METHYLNAPHTHALENE	J	0.013	0.066	LOQ	mg/kg	
	2-METHYLNAPHTHALENE	J	0.021	0.066	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.014	0.066	LOQ	mg/kg	
	ANTHRACENE	J	0.031	0.066	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.021	0.066	LOQ	mg/kg	J (all detects)
	CHRYSENE	J	0.015	0.066	LOQ	mg/kg	
	FLUORANTHENE	J	0.015	0.066	LOQ	mg/kg	
	PHENANTHRENE	J	0.015	0.066	LOQ	mg/kg	
	PYRENE	J	0.018	0.066	LOQ	mg/kg	
CH-SWSD111-SE01-X	1-METHYLNAPHTHALENE	J	0.044	0.19	LOQ	mg/kg	
	2-METHYLNAPHTHALENE	J	0.080	0.19	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.040	0.19	LOQ	mg/kg	
	ANTHRACENE	J	0.13	0.19	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.068	0.19	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.039	0.19	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.077	0.19	LOQ	mg/kg	J (all detects)
	CHRYSENE	J	0.061	0.19	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.050	0.19	LOQ	mg/kg	
	FLUORANTHENE	J	0.056	0.19	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.044	0.19	LOQ	mg/kg	
	NAPHTHALENE	J	0.043	0.19	LOQ	mg/kg	
	PHENANTHRENE	J	0.072	0.19	LOQ	mg/kg	
	PYRENE	J	0.068	0.19	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D

Matrix: SEDIMENT

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD145-SE01	1,1-BIPHENYL	J	0.060	0.087	LOQ	mg/kg	J (all detects)
	BENZOIC ACID	J	0.55	1.3	LOQ	mg/kg	
CH-SWSD146-SE01	1,1-BIPHENYL	J	0.12	0.16	LOQ	mg/kg	J (all detects)
CH-SWSD147-SE01	1,1-BIPHENYL	J	0.052	0.068	LOQ	mg/kg	J (all detects)
CH-SWSD149-SE01	1-METHYLNAPHTHALENE	J	0.025	0.088	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.050	0.088	LOQ	mg/kg	
	CARBAZOLE	J	0.14	0.17	LOQ	mg/kg	
CH-SWSD150-SE01	1-METHYLNAPHTHALENE	J	0.012	0.024	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.010	0.024	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.021	0.024	LOQ	mg/kg	
	BENZOIC ACID	J	0.27	0.71	LOQ	mg/kg	
	DIBENZOFURAN	J	0.033	0.047	LOQ	mg/kg	
	NAPHTHALENE	J	0.014	0.024	LOQ	mg/kg	
CH-SWSD151-SE01	2-METHYLNAPHTHALENE	J	0.007	0.033	LOQ	mg/kg	J (all detects)
	ACENAPHTHENE	J	0.007	0.033	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.013	0.033	LOQ	mg/kg	
	ANTHRACENE	J	0.017	0.033	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.032	0.033	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.029	0.033	LOQ	mg/kg	
	BENZOIC ACID	J	0.63	0.98	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.011	0.033	LOQ	mg/kg	
	FLUORENE	J	0.009	0.033	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.031	0.033	LOQ	mg/kg	
	NAPHTHALENE	J	0.018	0.033	LOQ	mg/kg	
CH-SWSD152-SE01	3/4-Methylphenol [m/p-Cresol]	J	0.041	0.079	LOQ	mg/kg	J (all detects)
	ACENAPHTHENE	J	0.009	0.040	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.019	0.040	LOQ	mg/kg	
	ANTHRACENE	J	0.024	0.040	LOQ	mg/kg	
	BENZALDEHYDE	J	0.27	0.39	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.014	0.040	LOQ	mg/kg	
	FLUORENE	J	0.013	0.040	LOQ	mg/kg	
	NAPHTHALENE	J	0.011	0.040	LOQ	mg/kg	
CH-SWSD153-SE01	1-METHYLNAPHTHALENE	J	0.008	0.036	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.01	0.036	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.018	0.036	LOQ	mg/kg	
	ANTHRACENE	J	0.023	0.036	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.019	0.036	LOQ	mg/kg	
	FLUORENE	J	0.007	0.036	LOQ	mg/kg	
	NAPHTHALENE	J	0.024	0.036	LOQ	mg/kg	
CH-SWSD154-SE01	1-METHYLNAPHTHALENE	J	0.009	0.033	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.009	0.033	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.013	0.033	LOQ	mg/kg	
	ANTHRACENE	J	0.024	0.033	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.017	0.033	LOQ	mg/kg	
	FLUORENE	J	0.007	0.033	LOQ	mg/kg	
	NAPHTHALENE	J	0.009	0.033	LOQ	mg/kg	
CH-SWSD155-SE01	ACENAPHTHYLENE	J	0.027	0.038	LOQ	mg/kg	J (all detects)
	DIBENZO(A,H)ANTHRACENE	J	0.030	0.038	LOQ	mg/kg	
	FLUORENE	J	0.008	0.038	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D SIM

Matrix: SEDIMENT

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD004-SE01	2-METHYLNAPHTHALENE	J	0.0010	0.0025	LOQ	mg/kg	
	ANTHRACENE	J	0.00078	0.0025	LOQ	mg/kg	
	BENZ(A)ANTHRACENE	J	0.0021	0.0025	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.0023	0.0025	LOQ	mg/kg	J (all detects)
	BENZO(G,H,I)PERYLENE	J	0.0011	0.0025	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.0012	0.0025	LOQ	mg/kg	
	NAPHTHALENE	J	0.0021	0.0025	LOQ	mg/kg	
CH-SWSD005-SE01	1-METHYLNAPHTHALENE	J	0.00088	0.0019	LOQ	mg/kg	
	ANTHRACENE	J	0.00052	0.0019	LOQ	mg/kg	
	BENZ(A)ANTHRACENE	J	0.0011	0.0019	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.0012	0.0019	LOQ	mg/kg	J (all detects)
	BENZO(K)FLUORANTHENE	J	0.0015	0.0019	LOQ	mg/kg	
	CHRYSENE	J	0.0013	0.0019	LOQ	mg/kg	
	FLUORENE	J	0.0015	0.0019	LOQ	mg/kg	
CH-SWSD006-SE01	2-METHYLNAPHTHALENE	J	0.00092	0.0021	LOQ	mg/kg	
	CHRYSENE	J	0.00042	0.0021	LOQ	mg/kg	
	FLUORANTHENE	J	0.00083	0.0021	LOQ	mg/kg	J (all detects)
	FLUORENE	J	0.0010	0.0021	LOQ	mg/kg	
	PYRENE	J	0.00078	0.0021	LOQ	mg/kg	
CH-SWSD007-SE01	ACENAPHTHYLENE	J	0.00051	0.0020	LOQ	mg/kg	
	ANTHRACENE	J	0.00063	0.0020	LOQ	mg/kg	
	BENZO(G,H,I)PERYLENE	J	0.00082	0.0020	LOQ	mg/kg	J (all detects)
	FLUORENE	J	0.00094	0.0020	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.00091	0.0020	LOQ	mg/kg	
	PHENANTHRENE	J	0.0012	0.0020	LOQ	mg/kg	
CH-SWSD008-SE01	BENZO(B)FLUORANTHENE	J	0.0013	0.0031	LOQ	mg/kg	
	CHRYSENE	J	0.0011	0.0031	LOQ	mg/kg	J (all detects)
	PYRENE	J	0.00085	0.0031	LOQ	mg/kg	
CH-SWSD009-SE01	ACENAPHTHENE	J	0.0027	0.0040	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.0012	0.0040	LOQ	mg/kg	J (all detects)
	DIBENZO(A,H)ANTHRACENE	J	0.0021	0.0040	LOQ	mg/kg	
	NAPHTHALENE	J	0.0019	0.0040	LOQ	mg/kg	
CH-SWSD011-SE01	BENZO(B)FLUORANTHENE	J	0.0012	0.0024	LOQ	mg/kg	
	CHRYSENE	J	0.0016	0.0024	LOQ	mg/kg	J (all detects)
	FLUORANTHENE	J	0.0014	0.0024	LOQ	mg/kg	
	PYRENE	J	0.0020	0.0024	LOQ	mg/kg	
CH-SWSD012-SE01	2-METHYLNAPHTHALENE	J	0.0015	0.0025	LOQ	mg/kg	
	BENZ(A)ANTHRACENE	J	0.0011	0.0025	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.0016	0.0025	LOQ	mg/kg	J (all detects)
	CHRYSENE	J	0.0020	0.0025	LOQ	mg/kg	
	PHENANTHRENE	J	0.0021	0.0025	LOQ	mg/kg	
CH-SWSD013-SE01	2-METHYLNAPHTHALENE	J	0.0012	0.0024	LOQ	mg/kg	
	BENZ(A)ANTHRACENE	J	0.0015	0.0024	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.0020	0.0024	LOQ	mg/kg	J (all detects)
	INDENO(1,2,3-CD)PYRENE	J	0.0011	0.0024	LOQ	mg/kg	
CH-SWSD015-SE01	DIBENZO(A,H)ANTHRACENE	J	0.0027	0.0030	LOQ	mg/kg	J (all detects)
CH-SWSD111-SE01	ACENAPHTHYLENE	J	0.0022	0.0064	LOQ	mg/kg	
	BENZ(A)ANTHRACENE	J	0.0054	0.0064	LOQ	mg/kg	J (all detects)
	BENZO(G,H,I)PERYLENE	J	0.0040	0.0064	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.0040	0.0064	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**

Matrix: **SEDIMENT**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD152-SE01	ACENAPHTHENE	J	0.0035	0.0039	LOQ	mg/kg	J (all detects)
CH-SWSD152-SE01-X	DIBENZO(A,H)ANTHRACENE	J	0.0070	0.0079	LOQ	mg/kg	J (all detects)
CH-SWSD155-SE01	1-METHYLNAPHTHALENE	J	0.0033	0.0037	LOQ	mg/kg	J (all detects)

Method Blank Outlier Report

Lab Reporting Batch ID: APP27 **Laboratory: LLL**

EDD Filename: APP27-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**
Matrix: **SEDIMENT**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P17163DB171063704	6/23/2017 11:45:00 PM	CHROMIUM SODIUM	0.133 mg/kg 10.3 mg/kg	CH-SWSD008-SE01 CH-SWSD009-SE01 CH-SWSD010-SE01 CH-SWSD010-SE01D CH-SWSD011-SE01 CH-SWSD012-SE01 CH-SWSD013-SE01 CH-SWSD014-SE01 CH-SWSD015-SE01 CH-SWSD024-SE01 CH-SWSD025-SE01 CH-SWSD026-SE01 CH-SWSD111-SE01 CH-SWSD145-SE01 CH-SWSD146-SE01

Method: **8270D SIM**
Matrix: **SEDIMENT**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
PLKLP19B192SLP026	7/13/2017 10:42:00 PM	NAPHTHALENE	0.00085 mg/kg	CH-SWSD152-SE01-X

Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page	1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.		
Laboratory SDG:	APP28		
Date(s) of Collection:	June 9th – 10th 2017		
Number/Type Samples & Analyses:	36 surface water samples plus 2 MS/MSD, 1 duplicate, and 2 equipment blanks for a project-specific list of SVOCs, PAHs, PCBs, hexavalent chromium, and metals		
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA		
Completed:	November 19th, 2017		

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for surface water data included in Sample Delivery Group (SDG) APP28. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017.

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✓ Holding times and sample preservation

✗ Laboratory method blank data

✓ Field rinsate blank data

NA Trip blank data

✓ Laboratory control sample (LCS) recoveries

✗ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✓ Surrogate recoveries

✗ Laboratory duplicate results

✗ Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of "J" data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

All the surface water and equipment blank samples were run for regular 8270 and 8270 SIM. The final results will be presented in 8270 SIM.

Due to method blank contamination in the total chromium result, the calculated chromium III was adjusted to a nondetect in sample CH-SWSD150-SW01-F.

This data package was revised 11/9/2017 due to the Eurofins SW6020A metals data breach. The majority of the data changes were made to Quality Control (QC) and/or calibration checks, not to actual sample results. The few field sample result changes were due to the originally reported result exceeding the linear calibration range of the instrument; those results were changed to be slightly lower than the upper limit of the calibration range.

In this package, the percent recoveries for arsenic, calcium, cadmium, chromium, and manganese in the low level check standard were not within QC specification. The LCS which is 2 to 5 times the LLC was within specifications for these analytes. The percent recoveries for antimony, calcium, and silver in the CCV were not within QC specification.

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Validation Area	*Note*
Technical Holding Times	A
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	SR
Surrogate/Tracer Spikes	A
Matrix Spike/Matrix Spike Duplicates	SR
Laboratory Duplicates	SR
Laboratory Replicates	N
Laboratory Control Samples	A
Compound Quantitation	SR
Field Duplicates	SR
Field Triplicates	N
Field Blanks	A

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 218.6 **Matrix:** WATER

Sample ID: CH-SWSD009-SW01 **Collected:** 6/9/2017 3:45:00 PM **Analysis Type:** Initial/TOT **Dilution:** 4

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Hexavalent Chromium [Cr (VI)]	0.084	J	0.20	LOD	0.20	LOQ	ug/l	J	RI

Sample ID: CH-SWSD014-SW01 **Collected:** 6/9/2017 1:30:00 PM **Analysis Type:** Initial/TOT **Dilution:** 4

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Hexavalent Chromium [Cr (VI)]	0.13	J	0.20	LOD	0.20	LOQ	ug/l	J	RI

Sample ID: CH-SWSD015-SW01 **Collected:** 6/9/2017 1:45:00 PM **Analysis Type:** Initial/TOT **Dilution:** 4

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Hexavalent Chromium [Cr (VI)]	0.15	J	0.20	LOD	0.20	LOQ	ug/l	J	RI

Sample ID: CH-SWSD024-SW01 **Collected:** 6/10/2017 8:40:00 AM **Analysis Type:** Initial/TOT **Dilution:** 4

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Hexavalent Chromium [Cr (VI)]	0.19	J	0.20	LOD	0.20	LOQ	ug/l	J	RI

Sample ID: CH-SWSD025-SW01 **Collected:** 6/10/2017 10:05:00 AM **Analysis Type:** Initial/TOT **Dilution:** 4

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Hexavalent Chromium [Cr (VI)]	0.13	J	0.20	LOD	0.20	LOQ	ug/l	J	RI

Sample ID: CH-SWSD026-SW01 **Collected:** 6/10/2017 9:15:00 AM **Analysis Type:** Initial/TOT **Dilution:** 4

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Hexavalent Chromium [Cr (VI)]	0.14	J	0.20	LOD	0.20	LOQ	ug/l	J	RI

Sample ID: CH-SWSD150-SW01 **Collected:** 6/9/2017 12:00:00 PM **Analysis Type:** Initial/TOT **Dilution:** 4

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Hexavalent Chromium [Cr (VI)]	0.12	J	0.20	LOD	0.20	LOQ	ug/l	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 218.6 **Matrix: WATER**

Sample ID: CH-SWSD150-SW01-F **Collected:** 6/9/2017 12:00:00 PM **Analysis Type:** Initial/DIS **Dilution:** 4

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Hexavalent Chromium [Cr (VI)]	0.14	J	0.20	LOD	0.20	LOQ	ug/l	J	RI

Method Category: METALS

Method: 6020A **Matrix: WATER**

Sample ID: CH-SWSD004-SW01 **Collected:** 6/9/2017 9:50:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	47.8	J	50.0	LOD	200	LOQ	ug/l	J	RI
CHROMIUM	0.73	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
VANADIUM	0.21	J	0.50	LOD	1.0	LOQ	ug/l	J	RI

Sample ID: CH-SWSD005-SW01 **Collected:** 6/9/2017 9:30:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	37.4	J	50.0	LOD	200	LOQ	ug/l	J	RI
CHROMIUM	0.72	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
VANADIUM	0.25	J	0.50	LOD	1.0	LOQ	ug/l	J	RI

Sample ID: CH-SWSD006-SW01 **Collected:** 6/9/2017 9:15:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	76.7	J	50.0	LOD	200	LOQ	ug/l	J	RI
CHROMIUM	0.81	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
VANADIUM	0.28	J	0.50	LOD	1.0	LOQ	ug/l	J	RI

Sample ID: CH-SWSD007-SW01 **Collected:** 6/9/2017 8:50:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	42.3	J	50.0	LOD	200	LOQ	ug/l	J	RI
CHROMIUM	0.63	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
VANADIUM	0.21	J	0.50	LOD	1.0	LOQ	ug/l	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD008-SW01** ***Collected:*** **6/9/2017 3:30:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	162	J	50.0	LOD	200	LOQ	ug/l	J	RI
CHROMIUM	0.69	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
COBALT	0.36	J	0.50	LOD	1.0	LOQ	ug/l	J	RI
COPPER	0.96	J	1.0	LOD	4.0	LOQ	ug/l	J	RI
LEAD	0.29	J	0.25	LOD	2.0	LOQ	ug/l	J	RI
VANADIUM	0.41	J	0.50	LOD	1.0	LOQ	ug/l	J	RI

Sample ID: **CH-SWSD009-SW01** ***Collected:*** **6/9/2017 3:45:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	190	J	50.0	LOD	200	LOQ	ug/l	J	RI
CHROMIUM	0.87	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
COPPER	0.80	J	1.0	LOD	4.0	LOQ	ug/l	J	RI
LEAD	0.54	J	0.25	LOD	2.0	LOQ	ug/l	J	RI
NICKEL	0.92	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
VANADIUM	0.76	J	0.50	LOD	1.0	LOQ	ug/l	J	RI

Sample ID: **CH-SWSD010-SW01** ***Collected:*** **6/9/2017 12:30:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	193	J	50.0	LOD	200	LOQ	ug/l	J	RI
CHROMIUM	0.79	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
COPPER	1.1	J	1.0	LOD	4.0	LOQ	ug/l	J	RI
LEAD	0.51	J	0.25	LOD	2.0	LOQ	ug/l	J	RI
NICKEL	1.4	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
VANADIUM	0.71	J	0.50	LOD	1.0	LOQ	ug/l	J	RI
ZINC	5.3	J	7.5	LOD	30.0	LOQ	ug/l	J	RI

Sample ID: **CH-SWSD011-SW01** ***Collected:*** **6/10/2017 11:20:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.93	J	2.0	LOD	4.0	LOQ	ug/l	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** WATER

Sample ID: CH-SWSD011-SW01 **Collected:** 6/10/2017 11:20:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	1.2	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
COBALT	0.85	J	0.50	LOD	1.0	LOQ	ug/l	J	RI
COPPER	1.8	J	1.0	LOD	4.0	LOQ	ug/l	J	RI
NICKEL	1.3	J	2.0	LOD	4.0	LOQ	ug/l	J	RI

Sample ID: CH-SWSD012-SW01 **Collected:** 6/10/2017 11:00:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.93	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
CHROMIUM	1.9	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
COBALT	0.73	J	0.50	LOD	1.0	LOQ	ug/l	J	RI
COPPER	2.1	J	1.0	LOD	4.0	LOQ	ug/l	J	RI
NICKEL	1.4	J	2.0	LOD	4.0	LOQ	ug/l	J	RI

Sample ID: CH-SWSD013-SW01 **Collected:** 6/10/2017 10:45:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.86	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
CHROMIUM	1.8	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
COBALT	0.75	J	0.50	LOD	1.0	LOQ	ug/l	J	RI
COPPER	1.8	J	1.0	LOD	4.0	LOQ	ug/l	J	RI
NICKEL	1.6	J	2.0	LOD	4.0	LOQ	ug/l	J	RI

Sample ID: CH-SWSD014-SW01 **Collected:** 6/9/2017 1:30:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	1.1	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
COPPER	1.8	J	1.0	LOD	4.0	LOQ	ug/l	J	RI
LEAD	0.47	J	0.25	LOD	2.0	LOQ	ug/l	J	RI
NICKEL	1.5	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
VANADIUM	0.86	J	0.50	LOD	1.0	LOQ	ug/l	J	RI
ZINC	6.3	J	7.5	LOD	30.0	LOQ	ug/l	J	RI

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD015-SW01** ***Collected:*** **6/9/2017 1:45:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	1.0	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
COPPER	1.7	J	1.0	LOD	4.0	LOQ	ug/l	J	RI
LEAD	0.46	J	0.25	LOD	2.0	LOQ	ug/l	J	RI
NICKEL	1.3	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
VANADIUM	0.81	J	0.50	LOD	1.0	LOQ	ug/l	J	RI
ZINC	4.5	J	7.5	LOD	30.0	LOQ	ug/l	J	RI

Sample ID: **CH-SWSD024-SW01** ***Collected:*** **6/10/2017 8:40:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	1.1	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
COBALT	0.81	J	0.50	LOD	1.0	LOQ	ug/l	J	RI
COPPER	1.6	J	1.0	LOD	4.0	LOQ	ug/l	J	RI
LEAD	0.42	J	0.25	LOD	2.0	LOQ	ug/l	J	RI
NICKEL	2.2	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
ZINC	18.3	J	7.5	LOD	30.0	LOQ	ug/l	J	RI

Sample ID: **CH-SWSD025-SW01** ***Collected:*** **6/10/2017 10:05:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.13	J	0.25	LOD	1.0	LOQ	ug/l	J	RI
CHROMIUM	1.1	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
COPPER	1.8	J	1.0	LOD	4.0	LOQ	ug/l	J	RI
LEAD	0.51	J	0.25	LOD	2.0	LOQ	ug/l	J	RI
NICKEL	1.8	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
ZINC	16.9	J	7.5	LOD	30.0	LOQ	ug/l	J	RI

Sample ID: **CH-SWSD026-SW01** ***Collected:*** **6/10/2017 9:15:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.13	J	0.25	LOD	1.0	LOQ	ug/l	J	RI
CHROMIUM	1.2	J	2.0	LOD	4.0	LOQ	ug/l	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** WATER

Sample ID: CH-SWSD026-SW01 **Collected:** 6/10/2017 9:15:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	1.9	J	1.0	LOD	4.0	LOQ	ug/l	J	RI
LEAD	0.69	J	0.25	LOD	2.0	LOQ	ug/l	J	RI
NICKEL	2.1	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
ZINC	20.7	J	7.5	LOD	30.0	LOQ	ug/l	J	RI

Sample ID: CH-SWSD141-SW01 **Collected:** 6/9/2017 5:00:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	0.86	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
COBALT	0.37	J	0.50	LOD	1.0	LOQ	ug/l	J	RI
COPPER	0.76	J	1.0	LOD	4.0	LOQ	ug/l	J	RI
LEAD	0.24	J	0.25	LOD	2.0	LOQ	ug/l	J	RI
NICKEL	0.89	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
VANADIUM	0.84	J	0.50	LOD	1.0	LOQ	ug/l	J	RI
ZINC	5.0	J	7.5	LOD	30.0	LOQ	ug/l	J	RI

Sample ID: CH-SWSD142-SW01 **Collected:** 6/9/2017 4:45:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	0.88	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
COBALT	0.26	J	0.50	LOD	1.0	LOQ	ug/l	J	RI
COPPER	0.74	J	1.0	LOD	4.0	LOQ	ug/l	J	RI
LEAD	0.20	J	0.25	LOD	2.0	LOQ	ug/l	J	RI
NICKEL	1.0	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
VANADIUM	0.98	J	0.50	LOD	1.0	LOQ	ug/l	J	RI
ZINC	4.4	J	7.5	LOD	30.0	LOQ	ug/l	J	RI

Sample ID: CH-SWSD143-SW01 **Collected:** 6/9/2017 4:30:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	0.93	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
COBALT	0.26	J	0.50	LOD	1.0	LOQ	ug/l	J	RI, Ld

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD143-SW01** ***Collected:*** **6/9/2017 4:30:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	0.87	J	1.0	LOD	4.0	LOQ	ug/l	J	Rl, Ld
LEAD	0.27	J	0.25	LOD	2.0	LOQ	ug/l	J	Rl
VANADIUM	0.81	J	0.50	LOD	1.0	LOQ	ug/l	J	Rl
ZINC	6.8	J	7.5	LOD	30.0	LOQ	ug/l	J	Rl

Sample ID: **CH-SWSD144-SW01** ***Collected:*** **6/9/2017 4:15:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	0.92	J	2.0	LOD	4.0	LOQ	ug/l	U	Mb
COBALT	0.32	J	0.50	LOD	1.0	LOQ	ug/l	J	Rl
COPPER	0.97	J	1.0	LOD	4.0	LOQ	ug/l	J	Rl
LEAD	0.26	J	0.25	LOD	2.0	LOQ	ug/l	J	Rl
VANADIUM	0.97	J	0.50	LOD	1.0	LOQ	ug/l	J	Rl
ZINC	7.8	J	7.5	LOD	30.0	LOQ	ug/l	J	Rl

Sample ID: **CH-SWSD145-SW01** ***Collected:*** **6/9/2017 4:00:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	0.73	J	2.0	LOD	4.0	LOQ	ug/l	U	Mb
COBALT	0.44	J	0.50	LOD	1.0	LOQ	ug/l	J	Rl, Fd
COPPER	0.87	J	1.0	LOD	4.0	LOQ	ug/l	J	Rl
LEAD	0.25	J	0.25	LOD	2.0	LOQ	ug/l	J	Rl
NICKEL	0.85	J	2.0	LOD	4.0	LOQ	ug/l	J	Rl, Fd
VANADIUM	0.76	J	0.50	LOD	1.0	LOQ	ug/l	J	Rl
ZINC	6.4	J	7.5	LOD	30.0	LOQ	ug/l	J	Rl

Sample ID: **CH-SWSD145-SW01D** ***Collected:*** **6/9/2017 4:00:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	0.74	J	2.0	LOD	4.0	LOQ	ug/l	J	Rl
COBALT	0.27	J	0.50	LOD	1.0	LOQ	ug/l	J	Rl, Fd
COPPER	0.77	J	1.0	LOD	4.0	LOQ	ug/l	J	Rl

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD145-SW01D** ***Collected:*** **6/9/2017 4:00:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
LEAD	0.22	J	0.25	LOD	2.0	LOQ	ug/l	J	RI
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/l	UJ	Fd
VANADIUM	0.96	J	0.50	LOD	1.0	LOQ	ug/l	J	RI
ZINC	8.4	J	7.5	LOD	30.0	LOQ	ug/l	J	RI

Sample ID: **CH-SWSD146-SW01** ***Collected:*** **6/10/2017 3:30:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	0.79	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
COBALT	0.32	J	0.50	LOD	1.0	LOQ	ug/l	J	RI
COPPER	0.69	J	1.0	LOD	4.0	LOQ	ug/l	J	RI
LEAD	0.27	J	0.25	LOD	2.0	LOQ	ug/l	J	RI
VANADIUM	0.93	J	0.50	LOD	1.0	LOQ	ug/l	J	RI
ZINC	8.0	J	7.5	LOD	30.0	LOQ	ug/l	J	RI

Sample ID: **CH-SWSD147-SW01** ***Collected:*** **6/9/2017 3:15:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	0.79	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
COBALT	0.29	J	0.50	LOD	1.0	LOQ	ug/l	J	RI
COPPER	0.80	J	1.0	LOD	4.0	LOQ	ug/l	J	RI
LEAD	0.25	J	0.25	LOD	2.0	LOQ	ug/l	J	RI
NICKEL	0.89	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
VANADIUM	0.82	J	0.50	LOD	1.0	LOQ	ug/l	J	RI

Sample ID: **CH-SWSD148-SW01** ***Collected:*** **6/9/2017 3:10:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	0.87	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
COBALT	0.33	J	0.50	LOD	1.0	LOQ	ug/l	J	RI
COPPER	0.81	J	1.0	LOD	4.0	LOQ	ug/l	J	RI
LEAD	0.25	J	0.25	LOD	2.0	LOQ	ug/l	J	RI

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD148-SW01** ***Collected:*** **6/9/2017 3:10:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NICKEL	0.91	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
VANADIUM	0.85	J	0.50	LOD	1.0	LOQ	ug/l	J	RI
ZINC	5.2	J	7.5	LOD	30.0	LOQ	ug/l	J	RI

Sample ID: **CH-SWSD149-SW01** ***Collected:*** **6/9/2017 2:30:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	0.86	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
COBALT	0.42	J	0.50	LOD	1.0	LOQ	ug/l	J	RI
COPPER	1.0	J	1.0	LOD	4.0	LOQ	ug/l	J	RI
LEAD	0.26	J	0.25	LOD	2.0	LOQ	ug/l	J	RI
VANADIUM	0.87	J	0.50	LOD	1.0	LOQ	ug/l	J	RI
ZINC	3.7	J	7.5	LOD	30.0	LOQ	ug/l	J	RI

Sample ID: **CH-SWSD150-SW01** ***Collected:*** **6/9/2017 12:00:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.1	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
CHROMIUM	1.7	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
COPPER	2.9	J	1.0	LOD	4.0	LOQ	ug/l	J	RI
NICKEL	1.6	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
ZINC	9.2	J	7.5	LOD	30.0	LOQ	ug/l	J	RI

Sample ID: **CH-SWSD150-SW01-F** ***Collected:*** **6/9/2017 12:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	126	J	50.0	LOD	200	LOQ	ug/l	J	RI
ARSENIC	0.75	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
CHROMIUM	0.82	J	2.0	LOD	4.0	LOQ	ug/l	U	Mb
COBALT	0.91	J	0.50	LOD	1.0	LOQ	ug/l	J	RI
COPPER	0.63	J	1.0	LOD	4.0	LOQ	ug/l	J	RI
LEAD	0.86	J	0.25	LOD	2.0	LOQ	ug/l	J	RI

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD150-SW01-F** ***Collected:*** **6/9/2017 12:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NICKEL	0.98	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
VANADIUM	0.66	J	0.50	LOD	1.0	LOQ	ug/l	J	RI

Sample ID: **CH-SWSD151-SW01** ***Collected:*** **6/9/2017 2:00:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	3.4	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
BERYLLIUM	0.39	J	0.25	LOD	1.0	LOQ	ug/l	J	RI
CADMIUM	0.30	J	0.50	LOD	1.0	LOQ	ug/l	J	RI
SELENIUM	0.90	J	1.0	LOD	4.0	LOQ	ug/l	J	RI

Sample ID: **CH-SWSD151-SW01-F** ***Collected:*** **6/9/2017 2:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	2.6	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
BERYLLIUM	0.19	J	0.25	LOD	1.0	LOQ	ug/l	J	RI
CHROMIUM	3.4	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
LEAD	1.4	J	0.25	LOD	2.0	LOQ	ug/l	J	RI
SELENIUM	0.58	J	1.0	LOD	4.0	LOQ	ug/l	J	RI

Sample ID: **CH-SWSD152-SW01** ***Collected:*** **6/9/2017 1:30:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.6	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
BERYLLIUM	0.13	J	0.25	LOD	1.0	LOQ	ug/l	J	RI
CHROMIUM	2.3	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
COPPER	2.4	J	1.0	LOD	4.0	LOQ	ug/l	J	RI
NICKEL	2.8	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
ZINC	16.5	J	7.5	LOD	30.0	LOQ	ug/l	J	RI

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD152-SW01-F** ***Collected:*** **6/9/2017 1:30:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.7	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
BERYLLIUM	0.14	J	0.25	LOD	1.0	LOQ	ug/l	J	RI
CHROMIUM	2.5	J	2.0	LOD	4.0	LOQ	ug/l	U	Mb
COPPER	2.7	J	1.0	LOD	4.0	LOQ	ug/l	J	RI
NICKEL	3.4	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
ZINC	21.4	J	7.5	LOD	30.0	LOQ	ug/l	J	RI

Sample ID: **CH-SWSD153-SW01** ***Collected:*** **6/9/2017 12:45:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	2.8	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
BERYLLIUM	0.15	J	0.25	LOD	1.0	LOQ	ug/l	J	RI
CALCIUM	7860		200	LOD	400	LOQ	ug/l	J+	Ms
CHROMIUM	2.7	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
IRON	15300		100	LOD	200	LOQ	ug/l	J+	Ms
MANGANESE	508		2.0	LOD	4.0	LOQ	ug/l	J+	Ms
NICKEL	3.1	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
ZINC	17.7	J	7.5	LOD	30.0	LOQ	ug/l	J	RI

Sample ID: **CH-SWSD153-SW01-F** ***Collected:*** **6/9/2017 12:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	175	J	50.0	LOD	200	LOQ	ug/l	J	RI
ARSENIC	2.1	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
BARIUM	35.6		2.0	LOD	4.0	LOQ	ug/l	J+	Ms
CHROMIUM	1.1	J	2.0	LOD	4.0	LOQ	ug/l	U	Mb
COPPER	1.1	J	1.0	LOD	4.0	LOQ	ug/l	J	RI
IRON	7090		100	LOD	200	LOQ	ug/l	J+	Ms
LEAD	3.3		0.25	LOD	2.0	LOQ	ug/l	J+	Ms
MAGNESIUM	3190		50.0	LOD	200	LOQ	ug/l	J-	Ms
MANGANESE	428		2.0	LOD	4.0	LOQ	ug/l	J-	Ms
NICKEL	2.0	J	2.0	LOD	4.0	LOQ	ug/l	J	RI

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** WATER

Sample ID: CH-SWSD153-SW01-F **Collected:** 6/9/2017 12:45:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	20900		100	LOD	400	LOQ	ug/l	J-	Ms
ZINC	5.1	J	7.5	LOD	30.0	LOQ	ug/l	J	Rl

Sample ID: CH-SWSD154-SW01 **Collected:** 6/9/2017 11:45:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.4	J	2.0	LOD	4.0	LOQ	ug/l	J	Rl
CHROMIUM	1.3	J	2.0	LOD	4.0	LOQ	ug/l	J	Rl
COPPER	1.1	J	1.0	LOD	4.0	LOQ	ug/l	J	Rl
LEAD	1.9	J	0.25	LOD	2.0	LOQ	ug/l	J	Rl
NICKEL	1.2	J	2.0	LOD	4.0	LOQ	ug/l	J	Rl

Sample ID: CH-SWSD154-SW01-F **Collected:** 6/9/2017 11:45:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.2	J	2.0	LOD	4.0	LOQ	ug/l	J	Rl
CHROMIUM	0.97	J	2.0	LOD	4.0	LOQ	ug/l	U	Mb
COPPER	1.2	J	1.0	LOD	4.0	LOQ	ug/l	J	Rl
LEAD	1.1	J	0.25	LOD	2.0	LOQ	ug/l	J	Rl
NICKEL	1.1	J	2.0	LOD	4.0	LOQ	ug/l	J	Rl
VANADIUM	0.91	J	0.50	LOD	1.0	LOQ	ug/l	J	Rl
ZINC	4.1	J	7.5	LOD	30.0	LOQ	ug/l	J	Rl

Sample ID: CH-SWSD155-SW01 **Collected:** 6/9/2017 11:15:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	2.6	J	2.0	LOD	4.0	LOQ	ug/l	J	Rl
BERYLLIUM	0.19	J	0.25	LOD	1.0	LOQ	ug/l	J	Rl

Sample ID: CH-SWSD155-SW01-F **Collected:** 6/9/2017 11:15:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	2.0	J	2.0	LOD	4.0	LOQ	ug/l	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix: WATER**

Sample ID: CH-SWSD155-SW01-F **Collected:** 6/9/2017 11:15:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	1.4	J	2.0	LOD	4.0	LOQ	ug/l	U	Mb
COPPER	1.6	J	1.0	LOD	4.0	LOQ	ug/l	J	RI
NICKEL	1.8	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
ZINC	8.0	J	7.5	LOD	30.0	LOQ	ug/l	J	RI

Sample ID: EB-061017-01 **Collected:** 6/10/2017 12:15:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
VANADIUM	0.34	J	0.50	LOD	1.0	LOQ	ug/l	J	RI

Sample ID: EB-061017-02 **Collected:** 6/10/2017 12:15:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	107	J	50.0	LOD	200	LOQ	ug/l	J	RI
CHROMIUM	1.7	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
IRON	65.6	J	100	LOD	200	LOQ	ug/l	J	RI
LEAD	0.34	J	0.25	LOD	2.0	LOQ	ug/l	J	RI
MAGNESIUM	11.9	J	50.0	LOD	200	LOQ	ug/l	J	RI
MANGANESE	3.1	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
VANADIUM	0.21	J	0.50	LOD	1.0	LOQ	ug/l	J	RI

Method Category: METALS

Method: 7470A **Matrix: WATER**

Sample ID: CH-SWSD011-SW01 **Collected:** 6/10/2017 11:20:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.056	J	0.10	LOD	0.20	LOQ	ug/l	J	RI

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7470A **Matrix:** WATER

Sample ID: CH-SWSD012-SW01 **Collected:** 6/10/2017 11:00:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.056	J	0.10	LOD	0.20	LOQ	ug/l	J	RI

Sample ID: CH-SWSD013-SW01 **Collected:** 6/10/2017 10:45:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.051	J	0.10	LOD	0.20	LOQ	ug/l	J	RI

Sample ID: CH-SWSD150-SW01 **Collected:** 6/9/2017 12:00:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.053	J	0.10	LOD	0.20	LOQ	ug/l	J	RI

Sample ID: CH-SWSD151-SW01 **Collected:** 6/9/2017 2:00:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.11	J	0.10	LOD	0.20	LOQ	ug/l	J	RI

Sample ID: CH-SWSD153-SW01 **Collected:** 6/9/2017 12:45:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.10	U	0.10	LOD	0.20	LOQ	ug/l	UJ	Ld

Sample ID: CH-SWSD155-SW01 **Collected:** 6/9/2017 11:15:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.10	J	0.10	LOD	0.20	LOQ	ug/l	J	RI

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: Calculation **Matrix:** WATER

Sample ID: CH-SWSD004-SW01 **Collected:** 6/9/2017 9:50:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	0.64	J	2.0	LOD	4.0	LOQ	ug/l	J	RI

Sample ID: CH-SWSD005-SW01 **Collected:** 6/9/2017 9:30:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	0.62	J	2.0	LOD	4.0	LOQ	ug/l	J	RI

Sample ID: CH-SWSD006-SW01 **Collected:** 6/9/2017 9:15:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	0.72	J	2.0	LOD	4.0	LOQ	ug/l	J	RI

Sample ID: CH-SWSD009-SW01 **Collected:** 6/9/2017 3:45:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	0.79	J	2.0	LOD	4.0	LOQ	ug/l	J	RI

Sample ID: CH-SWSD011-SW01 **Collected:** 6/10/2017 11:20:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	0.73	J	2.0	LOD	4.0	LOQ	ug/l	J	RI

Sample ID: CH-SWSD012-SW01 **Collected:** 6/10/2017 11:00:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	1.5	J	2.0	LOD	4.0	LOQ	ug/l	J	RI

Sample ID: CH-SWSD013-SW01 **Collected:** 6/10/2017 10:45:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	1.3	J	2.0	LOD	4.0	LOQ	ug/l	J	RI

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: Calculation **Matrix:** WATER

Sample ID: CH-SWSD014-SW01 **Collected:** 6/9/2017 1:30:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	0.96	J	2.0	LOD	4.0	LOQ	ug/l	J	RI

Sample ID: CH-SWSD015-SW01 **Collected:** 6/9/2017 1:45:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	0.87	J	2.0	LOD	4.0	LOQ	ug/l	J	RI

Sample ID: CH-SWSD024-SW01 **Collected:** 6/10/2017 8:40:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	0.88	J	2.0	LOD	4.0	LOQ	ug/l	J	RI

Sample ID: CH-SWSD025-SW01 **Collected:** 6/10/2017 10:05:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	1.0	J	2.0	LOD	4.0	LOQ	ug/l	J	RI

Sample ID: CH-SWSD026-SW01 **Collected:** 6/10/2017 9:15:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	1.0	J	2.0	LOD	4.0	LOQ	ug/l	J	RI

Sample ID: CH-SWSD150-SW01 **Collected:** 6/9/2017 12:00:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	1.6	J	2.0	LOD	4.0	LOQ	ug/l	J	RI

Sample ID: CH-SWSD150-SW01-F **Collected:** 6/9/2017 12:00:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	0.68	J	2.0	LOD	4.0	LOQ	ug/l	U	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: Calculation **Matrix: WATER**

Sample ID: EB-061017-02 **Collected:** 6/10/2017 12:15:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	1.7	J	2.0	LOD	4.0	LOQ	ug/l	J	RI

Method Category: SVOA

Method: 8270D **Matrix: WATER**

Sample ID: CH-SWSD004-SW01 **Collected:** 6/9/2017 9:50:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

Sample ID: CH-SWSD005-SW01 **Collected:** 6/9/2017 9:30:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD005-SW01** ***Collected:*** **6/9/2017 9:30:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg

Sample ID: **CH-SWSD006-SW01** ***Collected:*** **6/9/2017 9:15:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD006-SW01** ***Collected:*** **6/9/2017 9:15:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg

Sample ID: **CH-SWSD007-SW01** ***Collected:*** **6/9/2017 8:50:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD008-SW01** ***Collected:*** **6/9/2017 3:30:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.42	U	0.42	LOD	0.53	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg

Sample ID: **CH-SWSD009-SW01** ***Collected:*** **6/9/2017 3:45:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD009-SW01 **Collected:** 6/9/2017 3:45:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.43	U	0.43	LOD	0.54	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg

Sample ID: CH-SWSD010-SW01 **Collected:** 6/9/2017 12:30:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.42	U	0.42	LOD	0.52	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD011-SW01 **Collected:** 6/10/2017 11:20:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

Sample ID: CH-SWSD012-SW01 **Collected:** 6/10/2017 11:00:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD012-SW01 **Collected:** 6/10/2017 11:00:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

Sample ID: CH-SWSD013-SW01 **Collected:** 6/10/2017 10:45:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD014-SW01 **Collected:** 6/9/2017 1:30:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.52	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg

Sample ID: CH-SWSD015-SW01 **Collected:** 6/9/2017 1:45:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD015-SW01** ***Collected:*** **6/9/2017 1:45:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.43	U	0.43	LOD	0.54	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.54	LOQ	ug/l	NP	ProfJudg

Sample ID: **CH-SWSD024-SW01** ***Collected:*** **6/10/2017 8:40:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD025-SW01 **Collected:** 6/10/2017 10:05:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

Sample ID: CH-SWSD026-SW01 **Collected:** 6/10/2017 9:15:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD026-SW01 **Collected:** 6/10/2017 9:15:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

Sample ID: CH-SWSD141-SW01 **Collected:** 6/9/2017 5:00:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD142-SW01 **Collected:** 6/9/2017 4:45:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg

Sample ID: CH-SWSD143-SW01 **Collected:** 6/9/2017 4:30:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD143-SW01 **Collected:** 6/9/2017 4:30:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

Sample ID: CH-SWSD144-SW01 **Collected:** 6/9/2017 4:15:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD145-SW01** ***Collected:*** **6/9/2017 4:00:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

Sample ID: **CH-SWSD145-SW01D** ***Collected:*** **6/9/2017 4:00:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD145-SW01D **Collected:** 6/9/2017 4:00:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

Sample ID: CH-SWSD146-SW01 **Collected:** 6/10/2017 3:30:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD147-SW01 **Collected:** 6/9/2017 3:15:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

Sample ID: CH-SWSD148-SW01 **Collected:** 6/9/2017 3:10:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD148-SW01 **Collected:** 6/9/2017 3:10:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.52	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg

Sample ID: CH-SWSD149-SW01 **Collected:** 6/9/2017 2:30:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.52	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD150-SW01** ***Collected:*** **6/9/2017 12:00:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.11	J	0.20	LOD	0.51	LOQ	ug/l	NP	RI, ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PYRENE	0.10	J	0.20	LOD	0.51	LOQ	ug/l	NP	RI, ProfJudg

Sample ID: **CH-SWSD150-SW01-F** ***Collected:*** **6/9/2017 12:00:00 PM** ***Analysis Type:*** **Initial/DIS-ACID** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.74	J	1.0	LOD	1.0	LOQ	ug/l	J	RI
BENZOIC ACID	9.4	J	15	LOD	15	LOQ	ug/l	J	RI

Sample ID: **CH-SWSD150-SW01-F** ***Collected:*** **6/9/2017 12:00:00 PM** ***Analysis Type:*** **Initial/DIS-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD150-SW01-F** ***Collected:*** **6/9/2017 12:00:00 PM** ***Analysis Type:*** **Initial/DIS-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg

Sample ID: **CH-SWSD151-SW01** ***Collected:*** **6/9/2017 2:00:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD151-SW01** ***Collected:*** **6/9/2017 2:00:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

Sample ID: **CH-SWSD151-SW01-F** ***Collected:*** **6/9/2017 2:00:00 PM** ***Analysis Type:*** **Initial/DIS-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
DIETHYL PHTHALATE	2.3	J	4.0	LOD	5.0	LOQ	ug/l	J	RI
DI-N-BUTYL PHTHALATE	2.4	J	4.0	LOD	5.0	LOQ	ug/l	J	RI
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD152-SW01** ***Collected:*** **6/9/2017 1:30:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg

Sample ID: **CH-SWSD152-SW01-F** ***Collected:*** **6/9/2017 1:30:00 PM** ***Analysis Type:*** **Initial/DIS-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD152-SW01-F **Collected:** 6/9/2017 1:30:00 PM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg

Sample ID: CH-SWSD153-SW01 **Collected:** 6/9/2017 12:45:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
4-Chloroaniline [p-Chloroaniline]	4.1	U	4.1	LOD	4.1	LOQ	ug/l	UJ	Ms

Sample ID: CH-SWSD153-SW01 **Collected:** 6/9/2017 12:45:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.14	J	0.20	LOD	0.51	LOQ	ug/l	NP	RI, ProfJudg
Benzo (g,h,i) perylene	0.11	J	0.20	LOD	0.51	LOQ	ug/l	NP	RI, ProfJudg
BENZO(A)PYRENE	0.16	J	0.20	LOD	0.51	LOQ	ug/l	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.31	J	0.20	LOD	0.51	LOQ	ug/l	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.14	J	0.20	LOD	0.51	LOQ	ug/l	NP	RI, ProfJudg
CHRYSENE	0.24	J	0.20	LOD	0.51	LOQ	ug/l	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
DIETHYL PHTHALATE	4.1	U	4.1	LOD	5.1	LOQ	ug/l	UJ	Ms
DIMETHYL PHTHALATE	4.1	U	4.1	LOD	5.1	LOQ	ug/l	UJ	Ms
FLUORANTHENE	0.31	J	0.20	LOD	0.51	LOQ	ug/l	NP	RI, ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD153-SW01 **Collected:** 6/9/2017 12:45:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.12	J	0.20	LOD	0.51	LOQ	ug/l	NP	RI, ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PYRENE	0.29	J	0.20	LOD	0.51	LOQ	ug/l	NP	RI, ProfJudg

Sample ID: CH-SWSD153-SW01-F **Collected:** 6/9/2017 12:45:00 PM **Analysis Type:** Initial/DIS-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg

Sample ID: CH-SWSD154-SW01 **Collected:** 6/9/2017 11:45:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD154-SW01 **Collected:** 6/9/2017 11:45:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg

Sample ID: CH-SWSD154-SW01-F **Collected:** 6/9/2017 11:45:00 AM **Analysis Type:** Initial/DIS-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-SWSD154-SW01-F **Collected:** 6/9/2017 11:45:00 AM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.52	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/l	NP	ProfJudg

Sample ID: CH-SWSD155-SW01 **Collected:** 6/9/2017 11:15:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.17	J	0.20	LOD	0.51	LOQ	ug/l	NP	RI, ProfJudg
Benzo (g,h,i) perylene	0.16	J	0.20	LOD	0.51	LOQ	ug/l	NP	RI, ProfJudg
BENZO(A)PYRENE	0.22	J	0.20	LOD	0.51	LOQ	ug/l	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.31	J	0.20	LOD	0.51	LOQ	ug/l	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.15	J	0.20	LOD	0.51	LOQ	ug/l	NP	RI, ProfJudg
CHRYSENE	0.18	J	0.20	LOD	0.51	LOQ	ug/l	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.33	J	0.20	LOD	0.51	LOQ	ug/l	NP	RI, ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.14	J	0.20	LOD	0.51	LOQ	ug/l	NP	RI, ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.11	J	0.20	LOD	0.51	LOQ	ug/l	NP	RI, ProfJudg
PYRENE	0.36	J	0.20	LOD	0.51	LOQ	ug/l	NP	RI, ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix: WATER**

Sample ID: CH-SWSD155-SW01-F **Collected:** 6/9/2017 11:15:00 AM **Analysis Type:** Initial/DIS-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.96	J	1.0	LOD	1.0	LOQ	ug/l	J	RI

Sample ID: CH-SWSD155-SW01-F **Collected:** 6/9/2017 11:15:00 AM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.11	J	0.20	LOD	0.50	LOQ	ug/l	NP	RI, ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PYRENE	0.13	J	0.20	LOD	0.50	LOQ	ug/l	NP	RI, ProfJudg

Method Category: SVOA

Method: 8270D SIM **Matrix: WATER**

Sample ID: CH-SWSD009-SW01 **Collected:** 6/9/2017 3:45:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.013	J	0.043	LOD	0.054	LOQ	ug/l	J	RI
BENZO(A)PYRENE	0.027	J	0.043	LOD	0.054	LOQ	ug/l	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD009-SW01** ***Collected:*** **6/9/2017 3:45:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(B)FLUORANTHENE	0.032	J	0.043	LOD	0.054	LOQ	ug/l	J	RI
BENZO(G,H,I)PERYLENE	0.019	J	0.043	LOD	0.054	LOQ	ug/l	J	RI
BENZO(K)FLUORANTHENE	0.014	J	0.043	LOD	0.054	LOQ	ug/l	J	RI
CHRYSENE	0.012	J	0.043	LOD	0.054	LOQ	ug/l	J	RI
INDENO(1,2,3-CD)PYRENE	0.020	J	0.043	LOD	0.054	LOQ	ug/l	J	RI

Sample ID: **CH-SWSD024-SW01** ***Collected:*** **6/10/2017 8:40:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.011	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
2-METHYLNAPHTHALENE	0.015	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
ACENAPHTHENE	0.026	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
BENZO(B)FLUORANTHENE	0.013	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
CHRYSENE	0.011	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
FLUORANTHENE	0.012	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
NAPHTHALENE	0.055	J	0.060	LOD	0.060	LOQ	ug/l	J	RI
PYRENE	0.011	J	0.040	LOD	0.050	LOQ	ug/l	J	RI

Sample ID: **CH-SWSD025-SW01** ***Collected:*** **6/10/2017 10:05:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.016	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
2-METHYLNAPHTHALENE	0.024	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
ACENAPHTHENE	0.030	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
BENZ(A)ANTHRACENE	0.024	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
BENZO(A)PYRENE	0.016	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
BENZO(G,H,I)PERYLENE	0.019	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
CHRYSENE	0.030	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
DIBENZO(A,H)ANTHRACENE	0.013	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
FLUORANTHENE	0.042	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
FLUORENE	0.017	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
INDENO(1,2,3-CD)PYRENE	0.018	J	0.040	LOD	0.050	LOQ	ug/l	J	RI

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-SWSD025-SW01 **Collected:** 6/10/2017 10:05:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NAPHTHALENE	0.059	J	0.060	LOD	0.060	LOQ	ug/l	J	RI
PYRENE	0.040	J	0.040	LOD	0.050	LOQ	ug/l	J	RI

Sample ID: CH-SWSD026-SW01 **Collected:** 6/10/2017 9:15:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.011	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
ACENAPHTHENE	0.027	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
BENZ(A)ANTHRACENE	0.043	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
BENZO(A)PYRENE	0.029	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
BENZO(G,H,I)PERYLENE	0.019	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
BENZO(K)FLUORANTHENE	0.028	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
INDENO(1,2,3-CD)PYRENE	0.020	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
NAPHTHALENE	0.048	J	0.060	LOD	0.060	LOQ	ug/l	J	RI

Sample ID: CH-SWSD141-SW01 **Collected:** 6/9/2017 5:00:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORANTHENE	0.018	J	0.040	LOD	0.051	LOQ	ug/l	J	RI
FLUORENE	0.024	J	0.040	LOD	0.051	LOQ	ug/l	J	RI
NAPHTHALENE	0.039	J	0.061	LOD	0.061	LOQ	ug/l	J	RI

Sample ID: CH-SWSD142-SW01 **Collected:** 6/9/2017 4:45:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORANTHENE	0.019	J	0.040	LOD	0.051	LOQ	ug/l	J	RI
FLUORENE	0.029	J	0.040	LOD	0.051	LOQ	ug/l	J	RI
NAPHTHALENE	0.046	J	0.061	LOD	0.061	LOQ	ug/l	J	RI
PYRENE	0.011	J	0.040	LOD	0.051	LOQ	ug/l	J	RI

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-SWSD143-SW01 **Collected:** 6/9/2017 4:30:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.044	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
BENZO(B)FLUORANTHENE	0.012	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
CHRYSENE	0.011	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
FLUORANTHENE	0.022	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
FLUORENE	0.013	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
PYRENE	0.013	J	0.040	LOD	0.050	LOQ	ug/l	J	RI

Sample ID: CH-SWSD144-SW01 **Collected:** 6/9/2017 4:15:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORANTHENE	0.018	J	0.041	LOD	0.051	LOQ	ug/l	J	RI
FLUORENE	0.020	J	0.041	LOD	0.051	LOQ	ug/l	J	RI

Sample ID: CH-SWSD145-SW01 **Collected:** 6/9/2017 4:00:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.033	J	0.040	LOD	0.050	LOQ	ug/l	J	RI, Fd
BENZO(B)FLUORANTHENE	0.012	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
CHRYSENE	0.011	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
FLUORANTHENE	0.020	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
FLUORENE	0.040	U	0.040	LOD	0.050	LOQ	ug/l	UJ	Fd
PYRENE	0.011	J	0.040	LOD	0.050	LOQ	ug/l	J	RI

Sample ID: CH-SWSD145-SW01D **Collected:** 6/9/2017 4:00:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.048	J	0.040	LOD	0.050	LOQ	ug/l	J	RI, Fd
BENZO(B)FLUORANTHENE	0.012	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
CHRYSENE	0.011	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
FLUORANTHENE	0.023	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
FLUORENE	0.015	J	0.040	LOD	0.050	LOQ	ug/l	J	RI, Fd
PYRENE	0.014	J	0.040	LOD	0.050	LOQ	ug/l	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-SWSD146-SW01 **Collected:** 6/10/2017 3:30:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.049	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
BENZO(B)FLUORANTHENE	0.012	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
CHRYSENE	0.010	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
FLUORANTHENE	0.021	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
FLUORENE	0.017	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
PYRENE	0.012	J	0.040	LOD	0.050	LOQ	ug/l	J	RI

Sample ID: CH-SWSD147-SW01 **Collected:** 6/9/2017 3:15:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(B)FLUORANTHENE	0.016	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
CHRYSENE	0.015	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
FLUORANTHENE	0.031	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
FLUORENE	0.020	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
PYRENE	0.020	J	0.040	LOD	0.050	LOQ	ug/l	J	RI

Sample ID: CH-SWSD148-SW01 **Collected:** 6/9/2017 3:10:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.011	J	0.041	LOD	0.052	LOQ	ug/l	J	RI
BENZO(B)FLUORANTHENE	0.036	J	0.041	LOD	0.052	LOQ	ug/l	J	RI
BENZO(G,H,I)PERYLENE	0.014	J	0.041	LOD	0.052	LOQ	ug/l	J	RI
BENZO(K)FLUORANTHENE	0.021	J	0.041	LOD	0.052	LOQ	ug/l	J	RI
CHRYSENE	0.018	J	0.041	LOD	0.052	LOQ	ug/l	J	RI
FLUORANTHENE	0.036	J	0.041	LOD	0.052	LOQ	ug/l	J	RI
FLUORENE	0.022	J	0.041	LOD	0.052	LOQ	ug/l	J	RI
INDENO(1,2,3-CD)PYRENE	0.016	J	0.041	LOD	0.052	LOQ	ug/l	J	RI
PYRENE	0.023	J	0.041	LOD	0.052	LOQ	ug/l	J	RI

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD149-SW01** ***Collected:*** **6/9/2017 2:30:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.047	J	0.041	LOD	0.052	LOQ	ug/l	J	RI
BENZO(B)FLUORANTHENE	0.012	J	0.041	LOD	0.052	LOQ	ug/l	J	RI
CHRYSENE	0.012	J	0.041	LOD	0.052	LOQ	ug/l	J	RI
FLUORANTHENE	0.027	J	0.041	LOD	0.052	LOQ	ug/l	J	RI
FLUORENE	0.018	J	0.041	LOD	0.052	LOQ	ug/l	J	RI
PYRENE	0.015	J	0.041	LOD	0.052	LOQ	ug/l	J	RI

Sample ID: **CH-SWSD150-SW01** ***Collected:*** **6/9/2017 12:00:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.017	J	0.041	LOD	0.051	LOQ	ug/l	J	RI
BENZO(K)FLUORANTHENE	0.045	J	0.041	LOD	0.051	LOQ	ug/l	J	RI
DIBENZO(A,H)ANTHRACENE	0.015	J	0.041	LOD	0.051	LOQ	ug/l	J	RI
PHENANTHRENE	0.044	J	0.061	LOD	0.061	LOQ	ug/l	J	RI

Sample ID: **CH-SWSD151-SW01** ***Collected:*** **6/9/2017 2:00:00 PM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.012	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
BENZ(A)ANTHRACENE	0.025	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
BENZO(A)PYRENE	0.019	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
BENZO(B)FLUORANTHENE	0.049	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
BENZO(G,H,I)PERYLENE	0.014	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
BENZO(K)FLUORANTHENE	0.016	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
CHRYSENE	0.034	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
FLUORANTHENE	0.032	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
INDENO(1,2,3-CD)PYRENE	0.015	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
PYRENE	0.031	J	0.040	LOD	0.050	LOQ	ug/l	J	RI

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-SWSD151-SW01-F **Collected:** 6/9/2017 2:00:00 PM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.012	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
BENZO(B)FLUORANTHENE	0.022	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
CHRYSENE	0.016	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
FLUORANTHENE	0.015	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
PYRENE	0.014	J	0.040	LOD	0.050	LOQ	ug/l	J	RI

Sample ID: CH-SWSD152-SW01-F **Collected:** 6/9/2017 1:30:00 PM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.040	J	0.040	LOD	0.051	LOQ	ug/l	J	RI
ANTHRACENE	0.014	J	0.040	LOD	0.051	LOQ	ug/l	J	RI
BENZ(A)ANTHRACENE	0.014	J	0.040	LOD	0.051	LOQ	ug/l	J	RI
BENZO(A)PYRENE	0.018	J	0.040	LOD	0.051	LOQ	ug/l	J	RI
BENZO(B)FLUORANTHENE	0.019	J	0.040	LOD	0.051	LOQ	ug/l	J	RI
BENZO(G,H,I)PERYLENE	0.032	J	0.040	LOD	0.051	LOQ	ug/l	J	RI
CHRYSENE	0.014	J	0.040	LOD	0.051	LOQ	ug/l	J	RI
INDENO(1,2,3-CD)PYRENE	0.020	J	0.040	LOD	0.051	LOQ	ug/l	J	RI
PYRENE	0.011	J	0.040	LOD	0.051	LOQ	ug/l	J	RI

Sample ID: CH-SWSD153-SW01 **Collected:** 6/9/2017 12:45:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.032	J	0.041	LOD	0.051	LOQ	ug/l	J	RI
ANTHRACENE	0.042	J	0.041	LOD	0.051	LOQ	ug/l	J	RI
DIBENZO(A,H)ANTHRACENE	0.031	J	0.041	LOD	0.051	LOQ	ug/l	J	RI
PHENANTHRENE	0.060	J	0.061	LOD	0.061	LOQ	ug/l	J	RI, Ms

Sample ID: CH-SWSD153-SW01-F **Collected:** 6/9/2017 12:45:00 PM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.018	J	0.040	LOD	0.051	LOQ	ug/l	J	RI
BENZ(A)ANTHRACENE	0.048	J	0.040	LOD	0.051	LOQ	ug/l	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-SWSD153-SW01-F **Collected:** 6/9/2017 12:45:00 PM **Analysis Type:** Initial/DIS-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(G,H,I)PERYLENE	0.040	J	0.040	LOD	0.051	LOQ	ug/l	J	RI
BENZO(K)FLUORANTHENE	0.035	J	0.040	LOD	0.051	LOQ	ug/l	J	RI
DIBENZO(A,H)ANTHRACENE	0.011	J	0.040	LOD	0.051	LOQ	ug/l	J	RI
INDENO(1,2,3-CD)PYRENE	0.037	J	0.040	LOD	0.051	LOQ	ug/l	J	RI

Sample ID: CH-SWSD155-SW01 **Collected:** 6/9/2017 11:15:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.039	J	0.040	LOD	0.051	LOQ	ug/l	J	RI
ACENAPHTHYLENE	0.034	J	0.040	LOD	0.051	LOQ	ug/l	J	RI
ANTHRACENE	0.048	J	0.040	LOD	0.051	LOQ	ug/l	J	RI
DIBENZO(A,H)ANTHRACENE	0.045	J	0.040	LOD	0.051	LOQ	ug/l	J	RI
FLUORENE	0.021	J	0.040	LOD	0.051	LOQ	ug/l	J	RI

Sample ID: CH-SWSD155-SW01-F **Collected:** 6/9/2017 11:15:00 AM **Analysis Type:** Initial/DIS-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.015	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
BENZO(G,H,I)PERYLENE	0.045	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
BENZO(K)FLUORANTHENE	0.045	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
DIBENZO(A,H)ANTHRACENE	0.011	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
INDENO(1,2,3-CD)PYRENE	0.042	J	0.040	LOD	0.050	LOQ	ug/l	J	RI
PHENANTHRENE	0.036	J	0.060	LOD	0.060	LOQ	ug/l	J	RI

Sample ID: EB-061017-02 **Collected:** 6/10/2017 12:15:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.012	J	0.041	LOD	0.051	LOQ	ug/l	J	RI
BENZO(B)FLUORANTHENE	0.011	J	0.041	LOD	0.051	LOQ	ug/l	J	RI
CHRYSENE	0.011	J	0.041	LOD	0.051	LOQ	ug/l	J	RI

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Reason Code Legend

Reason Code	*Description*
Fd	Field Duplicate Precision
Ld	Laboratory Duplicate Precision
Mb	Method Blank Contamination
Ms	Matrix Spike Lower Estimation
Ms	Matrix Spike Precision
Ms	Matrix Spike Upper Estimation
ProfJudg	Professional Judgment
RI	Reporting Limit Trace Value

* denotes a non-reportable result

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: WATER

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-SWSD153-SW01MS (Total) CH-SWSD153-SW01MSD (Total) (CH-SWSD153-SW01)	CALCIUM IRON MANGANESE	121 120 117	- - 123	87.00-118.00 87.00-118.00 87.00-115.00	- - -	CALCIUM IRON MANGANESE	J+ (all detects)
CH-SWSD153-SW01-FMS (Dissolved) (CH-SWSD153-SW01-F)	MAGNESIUM MANGANESE SODIUM	81 46 73	- - -	83.00-118.00 87.00-115.00 85.00-117.00	- - -	MAGNESIUM MANGANESE SODIUM	J-(all detects) UJ(all non-detects)
CH-SWSD153-SW01-FMS (Dissolved) CH-SWSD153-SW01-FMSD (Dissolved) (CH-SWSD153-SW01-F)	ANTIMONY BARIUM IRON LEAD	120 131 245 125	- - 208 -	85.00-117.00 86.00-114.00 87.00-118.00 88.00-115.00	- - - -	ANTIMONY BARIUM IRON LEAD	J+(all detects)

Method: 8270D
Matrix: WATER

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-SWSD153-SW01MS CH-SWSD153-SW01MSD (CH-SWSD153-SW01)	DIMETHYL PHTHALATE	30	42	45.00-127.00	32 (20.00)	DIMETHYL PHTHALATE	J(all detects) UJ(all non-detects)
CH-SWSD153-SW01MS CH-SWSD153-SW01MSD (CH-SWSD153-SW01)	4-Chloroaniline [p-Chloroaniline] DIETHYL PHTHALATE	11 51	12 -	33.00-117.00 56.00-125.00	- -	4-Chloroaniline [p-Chloroaniline] DIETHYL PHTHALATE	J-(all detects) UJ(all non-detects)
CH-SWSD153-SW01MSD (CH-SWSD153-SW01)	BENZOIC ACID	-	65	10.00-64.00	-	BENZOIC ACID	J+(all detects)

Method: 8270D SIM
Matrix: WATER

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-SWSD153-SW01MSD (CH-SWSD153-SW01)	PHENANTHRENE	-	-	53.00-115.00	28 (20.00)	PHENANTHRENE	J(all detects)

Lab Duplicate Outlier Report

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 7470A
Matrix: WATER

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
CH-SWSD153-SW01DUP (Total) (CH-SWSD153-SW01)	MERCURY	200	20.00	J (all detects) UJ (all non-detects)

Method: 6020A
Matrix: WATER

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
CH-SWSD143-SW01DUP (Total) (CH-SWSD143-SW01)	COBALT COPPER	45 25	20.00 20.00	J(all detects) UJ(all non-detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: WATER

Analyte	Concentration (ug/l)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD145-SW01 (Total)	CH-SWSD145-SW01D (Total)			
ALUMINUM	263	281	7	30.00	No Qualifiers Applied
BARIUM	20.5	19.3	6	30.00	
CALCIUM	3600	4090	13	30.00	
CHROMIUM	0.73	0.74	1	30.00	
COPPER	0.87	0.77	12	30.00	
IRON	463	488	5	30.00	
LEAD	0.25	0.22	13	30.00	
MAGNESIUM	3060	3270	7	30.00	
MANGANESE	23.0	24.4	6	30.00	
POTASSIUM	1060	1100	4	30.00	
SODIUM	19600	20300	4	30.00	
VANADIUM	0.76	0.96	23	30.00	
ZINC	6.4	8.4	27	30.00	
COBALT	0.44	0.27	48	30.00	J(all detects)
NICKEL	0.85	4.0 U	200	30.00	UJ(all non-detects)

Method: 8270D SIM
Matrix: WATER

Analyte	Concentration (ug/l)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD145-SW01	CH-SWSD145-SW01D			
BENZO(B)FLUORANTHENE	0.012	0.012	0	30.00	No Qualifiers Applied
CHRYSENE	0.011	0.011	0	30.00	
FLUORANTHENE	0.020	0.023	14	30.00	
PYRENE	0.011	0.014	24	30.00	
ACENAPHTHENE	0.033	0.048	37	30.00	J(all detects)
FLUORENE	0.050 U	0.015	200	30.00	UJ(all non-detects)

Method: SM 2340B
Matrix: WATER

Analyte	Concentration (ug/l)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD145-SW01	CH-SWSD145-SW01D			
HARDNESS (AS CACO3)	21600	23700	9	30.00	No Qualifiers Applied

Reporting Limit Outliers

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 218.6

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD009-SW01	Hexavalent Chromium [Cr (VI)]	J	0.084	0.20	LOQ	ug/l	J (all detects)
CH-SWSD014-SW01	Hexavalent Chromium [Cr (VI)]	J	0.13	0.20	LOQ	ug/l	J (all detects)
CH-SWSD015-SW01	Hexavalent Chromium [Cr (VI)]	J	0.15	0.20	LOQ	ug/l	J (all detects)
CH-SWSD024-SW01	Hexavalent Chromium [Cr (VI)]	J	0.19	0.20	LOQ	ug/l	J (all detects)
CH-SWSD025-SW01	Hexavalent Chromium [Cr (VI)]	J	0.13	0.20	LOQ	ug/l	J (all detects)
CH-SWSD026-SW01	Hexavalent Chromium [Cr (VI)]	J	0.14	0.20	LOQ	ug/l	J (all detects)
CH-SWSD150-SW01	Hexavalent Chromium [Cr (VI)]	J	0.12	0.20	LOQ	ug/l	J (all detects)
CH-SWSD150-SW01-F	Hexavalent Chromium [Cr (VI)]	J	0.14	0.20	LOQ	ug/l	J (all detects)

Method: 6020A

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD004-SW01	ALUMINUM	J	47.8	200	LOQ	ug/l	
	CHROMIUM	J	0.73	4.0	LOQ	ug/l	J (all detects)
	VANADIUM	J	0.21	1.0	LOQ	ug/l	
CH-SWSD005-SW01	ALUMINUM	J	37.4	200	LOQ	ug/l	
	CHROMIUM	J	0.72	4.0	LOQ	ug/l	J (all detects)
	VANADIUM	J	0.25	1.0	LOQ	ug/l	
CH-SWSD006-SW01	ALUMINUM	J	76.7	200	LOQ	ug/l	
	CHROMIUM	J	0.81	4.0	LOQ	ug/l	J (all detects)
	VANADIUM	J	0.28	1.0	LOQ	ug/l	
CH-SWSD007-SW01	ALUMINUM	J	42.3	200	LOQ	ug/l	
	CHROMIUM	J	0.63	4.0	LOQ	ug/l	J (all detects)
	VANADIUM	J	0.21	1.0	LOQ	ug/l	
CH-SWSD008-SW01	ALUMINUM	J	162	200	LOQ	ug/l	
	CHROMIUM	J	0.69	4.0	LOQ	ug/l	
	COBALT	J	0.36	1.0	LOQ	ug/l	
	COPPER	J	0.96	4.0	LOQ	ug/l	J (all detects)
	LEAD	J	0.29	2.0	LOQ	ug/l	
	VANADIUM	J	0.41	1.0	LOQ	ug/l	
CH-SWSD009-SW01	ALUMINUM	J	190	200	LOQ	ug/l	
	CHROMIUM	J	0.87	4.0	LOQ	ug/l	
	COPPER	J	0.80	4.0	LOQ	ug/l	
	LEAD	J	0.54	2.0	LOQ	ug/l	J (all detects)
	NICKEL	J	0.92	4.0	LOQ	ug/l	
	VANADIUM	J	0.76	1.0	LOQ	ug/l	
CH-SWSD010-SW01	ALUMINUM	J	193	200	LOQ	ug/l	
	CHROMIUM	J	0.79	4.0	LOQ	ug/l	
	COPPER	J	1.1	4.0	LOQ	ug/l	
	LEAD	J	0.51	2.0	LOQ	ug/l	J (all detects)
	NICKEL	J	1.4	4.0	LOQ	ug/l	
	VANADIUM	J	0.71	1.0	LOQ	ug/l	
	ZINC	J	5.3	30.0	LOQ	ug/l	

Reporting Limit Outliers

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD011-SW01	ARSENIC	J	0.93	4.0	LOQ	ug/l	
	CHROMIUM	J	1.2	4.0	LOQ	ug/l	
	COBALT	J	0.85	1.0	LOQ	ug/l	J (all detects)
	COPPER	J	1.8	4.0	LOQ	ug/l	
	NICKEL	J	1.3	4.0	LOQ	ug/l	
CH-SWSD012-SW01	ARSENIC	J	0.93	4.0	LOQ	ug/l	
	CHROMIUM	J	1.9	4.0	LOQ	ug/l	
	COBALT	J	0.73	1.0	LOQ	ug/l	J (all detects)
	COPPER	J	2.1	4.0	LOQ	ug/l	
	NICKEL	J	1.4	4.0	LOQ	ug/l	
CH-SWSD013-SW01	ARSENIC	J	0.86	4.0	LOQ	ug/l	
	CHROMIUM	J	1.8	4.0	LOQ	ug/l	
	COBALT	J	0.75	1.0	LOQ	ug/l	J (all detects)
	COPPER	J	1.8	4.0	LOQ	ug/l	
	NICKEL	J	1.6	4.0	LOQ	ug/l	
CH-SWSD014-SW01	CHROMIUM	J	1.1	4.0	LOQ	ug/l	
	COPPER	J	1.8	4.0	LOQ	ug/l	
	LEAD	J	0.47	2.0	LOQ	ug/l	J (all detects)
	NICKEL	J	1.5	4.0	LOQ	ug/l	
	VANADIUM	J	0.86	1.0	LOQ	ug/l	
	ZINC	J	6.3	30.0	LOQ	ug/l	
CH-SWSD015-SW01	CHROMIUM	J	1.0	4.0	LOQ	ug/l	
	COPPER	J	1.7	4.0	LOQ	ug/l	
	LEAD	J	0.46	2.0	LOQ	ug/l	J (all detects)
	NICKEL	J	1.3	4.0	LOQ	ug/l	
	VANADIUM	J	0.81	1.0	LOQ	ug/l	
	ZINC	J	4.5	30.0	LOQ	ug/l	
CH-SWSD024-SW01	CHROMIUM	J	1.1	4.0	LOQ	ug/l	
	COBALT	J	0.81	1.0	LOQ	ug/l	
	COPPER	J	1.6	4.0	LOQ	ug/l	J (all detects)
	LEAD	J	0.42	2.0	LOQ	ug/l	
	NICKEL	J	2.2	4.0	LOQ	ug/l	
	ZINC	J	18.3	30.0	LOQ	ug/l	
CH-SWSD025-SW01	BERYLLIUM	J	0.13	1.0	LOQ	ug/l	
	CHROMIUM	J	1.1	4.0	LOQ	ug/l	
	COPPER	J	1.8	4.0	LOQ	ug/l	J (all detects)
	LEAD	J	0.51	2.0	LOQ	ug/l	
	NICKEL	J	1.8	4.0	LOQ	ug/l	
	ZINC	J	16.9	30.0	LOQ	ug/l	
CH-SWSD026-SW01	BERYLLIUM	J	0.13	1.0	LOQ	ug/l	
	CHROMIUM	J	1.2	4.0	LOQ	ug/l	
	COPPER	J	1.9	4.0	LOQ	ug/l	J (all detects)
	LEAD	J	0.69	2.0	LOQ	ug/l	
	NICKEL	J	2.1	4.0	LOQ	ug/l	
	ZINC	J	20.7	30.0	LOQ	ug/l	
CH-SWSD141-SW01	CHROMIUM	J	0.86	4.0	LOQ	ug/l	
	COBALT	J	0.37	1.0	LOQ	ug/l	
	COPPER	J	0.76	4.0	LOQ	ug/l	
	LEAD	J	0.24	2.0	LOQ	ug/l	J (all detects)
	NICKEL	J	0.89	4.0	LOQ	ug/l	
	VANADIUM	J	0.84	1.0	LOQ	ug/l	
	ZINC	J	5.0	30.0	LOQ	ug/l	

Reporting Limit Outliers

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD142-SW01	CHROMIUM	J	0.88	4.0	LOQ	ug/l	
	COBALT	J	0.26	1.0	LOQ	ug/l	
	COPPER	J	0.74	4.0	LOQ	ug/l	
	LEAD	J	0.20	2.0	LOQ	ug/l	J (all detects)
	NICKEL	J	1.0	4.0	LOQ	ug/l	
	VANADIUM	J	0.98	1.0	LOQ	ug/l	
	ZINC	J	4.4	30.0	LOQ	ug/l	
CH-SWSD143-SW01	CHROMIUM	J	0.93	4.0	LOQ	ug/l	
	COBALT	J	0.26	1.0	LOQ	ug/l	
	COPPER	J	0.87	4.0	LOQ	ug/l	J (all detects)
	LEAD	J	0.27	2.0	LOQ	ug/l	
	VANADIUM	J	0.81	1.0	LOQ	ug/l	
	ZINC	J	6.8	30.0	LOQ	ug/l	
CH-SWSD144-SW01	CHROMIUM	J	0.92	4.0	LOQ	ug/l	
	COBALT	J	0.32	1.0	LOQ	ug/l	
	COPPER	J	0.97	4.0	LOQ	ug/l	J (all detects)
	LEAD	J	0.26	2.0	LOQ	ug/l	
	VANADIUM	J	0.97	1.0	LOQ	ug/l	
	ZINC	J	7.8	30.0	LOQ	ug/l	
CH-SWSD145-SW01	CHROMIUM	J	0.73	4.0	LOQ	ug/l	
	COBALT	J	0.44	1.0	LOQ	ug/l	
	COPPER	J	0.87	4.0	LOQ	ug/l	
	LEAD	J	0.25	2.0	LOQ	ug/l	J (all detects)
	NICKEL	J	0.85	4.0	LOQ	ug/l	
	VANADIUM	J	0.76	1.0	LOQ	ug/l	
	ZINC	J	6.4	30.0	LOQ	ug/l	
CH-SWSD145-SW01D	CHROMIUM	J	0.74	4.0	LOQ	ug/l	
	COBALT	J	0.27	1.0	LOQ	ug/l	
	COPPER	J	0.77	4.0	LOQ	ug/l	J (all detects)
	LEAD	J	0.22	2.0	LOQ	ug/l	
	VANADIUM	J	0.96	1.0	LOQ	ug/l	
	ZINC	J	8.4	30.0	LOQ	ug/l	
CH-SWSD146-SW01	CHROMIUM	J	0.79	4.0	LOQ	ug/l	
	COBALT	J	0.32	1.0	LOQ	ug/l	
	COPPER	J	0.69	4.0	LOQ	ug/l	J (all detects)
	LEAD	J	0.27	2.0	LOQ	ug/l	
	VANADIUM	J	0.93	1.0	LOQ	ug/l	
	ZINC	J	8.0	30.0	LOQ	ug/l	
CH-SWSD147-SW01	CHROMIUM	J	0.79	4.0	LOQ	ug/l	
	COBALT	J	0.29	1.0	LOQ	ug/l	
	COPPER	J	0.80	4.0	LOQ	ug/l	J (all detects)
	LEAD	J	0.25	2.0	LOQ	ug/l	
	NICKEL	J	0.89	4.0	LOQ	ug/l	
	VANADIUM	J	0.82	1.0	LOQ	ug/l	
CH-SWSD148-SW01	CHROMIUM	J	0.87	4.0	LOQ	ug/l	
	COBALT	J	0.33	1.0	LOQ	ug/l	
	COPPER	J	0.81	4.0	LOQ	ug/l	
	LEAD	J	0.25	2.0	LOQ	ug/l	J (all detects)
	NICKEL	J	0.91	4.0	LOQ	ug/l	
	VANADIUM	J	0.85	1.0	LOQ	ug/l	
	ZINC	J	5.2	30.0	LOQ	ug/l	

Reporting Limit Outliers

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD149-SW01	CHROMIUM	J	0.86	4.0	LOQ	ug/l	J (all detects)
	COBALT	J	0.42	1.0	LOQ	ug/l	
	COPPER	J	1.0	4.0	LOQ	ug/l	
	LEAD	J	0.26	2.0	LOQ	ug/l	
	VANADIUM	J	0.87	1.0	LOQ	ug/l	
	ZINC	J	3.7	30.0	LOQ	ug/l	
CH-SWSD150-SW01	ARSENIC	J	1.1	4.0	LOQ	ug/l	J (all detects)
	CHROMIUM	J	1.7	4.0	LOQ	ug/l	
	COPPER	J	2.9	4.0	LOQ	ug/l	
	NICKEL	J	1.6	4.0	LOQ	ug/l	
	ZINC	J	9.2	30.0	LOQ	ug/l	
CH-SWSD150-SW01-F	ALUMINUM	J	126	200	LOQ	ug/l	J (all detects)
	ARSENIC	J	0.75	4.0	LOQ	ug/l	
	CHROMIUM	J	0.82	4.0	LOQ	ug/l	
	COBALT	J	0.91	1.0	LOQ	ug/l	
	COPPER	J	0.63	4.0	LOQ	ug/l	
	LEAD	J	0.86	2.0	LOQ	ug/l	
	NICKEL	J	0.98	4.0	LOQ	ug/l	
	VANADIUM	J	0.66	1.0	LOQ	ug/l	
CH-SWSD151-SW01	ARSENIC	J	3.4	4.0	LOQ	ug/l	J (all detects)
	BERYLLIUM	J	0.39	1.0	LOQ	ug/l	
	CADMIUM	J	0.30	1.0	LOQ	ug/l	
	SELENIUM	J	0.90	4.0	LOQ	ug/l	
CH-SWSD151-SW01-F	ARSENIC	J	2.6	4.0	LOQ	ug/l	J (all detects)
	BERYLLIUM	J	0.19	1.0	LOQ	ug/l	
	CHROMIUM	J	3.4	4.0	LOQ	ug/l	
	LEAD	J	1.4	2.0	LOQ	ug/l	
	SELENIUM	J	0.58	4.0	LOQ	ug/l	
CH-SWSD152-SW01	ARSENIC	J	1.6	4.0	LOQ	ug/l	J (all detects)
	BERYLLIUM	J	0.13	1.0	LOQ	ug/l	
	CHROMIUM	J	2.3	4.0	LOQ	ug/l	
	COPPER	J	2.4	4.0	LOQ	ug/l	
	NICKEL	J	2.8	4.0	LOQ	ug/l	
	ZINC	J	16.5	30.0	LOQ	ug/l	
CH-SWSD152-SW01-F	ARSENIC	J	1.7	4.0	LOQ	ug/l	J (all detects)
	BERYLLIUM	J	0.14	1.0	LOQ	ug/l	
	CHROMIUM	J	2.5	4.0	LOQ	ug/l	
	COPPER	J	2.7	4.0	LOQ	ug/l	
	NICKEL	J	3.4	4.0	LOQ	ug/l	
	ZINC	J	21.4	30.0	LOQ	ug/l	
CH-SWSD153-SW01	ARSENIC	J	2.8	4.0	LOQ	ug/l	J (all detects)
	BERYLLIUM	J	0.15	1.0	LOQ	ug/l	
	CHROMIUM	J	2.7	4.0	LOQ	ug/l	
	NICKEL	J	3.1	4.0	LOQ	ug/l	
	ZINC	J	17.7	30.0	LOQ	ug/l	
CH-SWSD153-SW01-F	ALUMINUM	J	175	200	LOQ	ug/l	J (all detects)
	ARSENIC	J	2.1	4.0	LOQ	ug/l	
	CHROMIUM	J	1.1	4.0	LOQ	ug/l	
	COPPER	J	1.1	4.0	LOQ	ug/l	
	NICKEL	J	2.0	4.0	LOQ	ug/l	
	ZINC	J	5.1	30.0	LOQ	ug/l	

Reporting Limit Outliers

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD154-SW01	ARSENIC	J	1.4	4.0	LOQ	ug/l	
	CHROMIUM	J	1.3	4.0	LOQ	ug/l	
	COPPER	J	1.1	4.0	LOQ	ug/l	J (all detects)
	LEAD	J	1.9	2.0	LOQ	ug/l	
	NICKEL	J	1.2	4.0	LOQ	ug/l	
CH-SWSD154-SW01-F	ARSENIC	J	1.2	4.0	LOQ	ug/l	
	CHROMIUM	J	0.97	4.0	LOQ	ug/l	
	COPPER	J	1.2	4.0	LOQ	ug/l	
	LEAD	J	1.1	2.0	LOQ	ug/l	J (all detects)
	NICKEL	J	1.1	4.0	LOQ	ug/l	
	VANADIUM	J	0.91	1.0	LOQ	ug/l	
	ZINC	J	4.1	30.0	LOQ	ug/l	
CH-SWSD155-SW01	ARSENIC	J	2.6	4.0	LOQ	ug/l	J (all detects)
	BERYLLIUM	J	0.19	1.0	LOQ	ug/l	
CH-SWSD155-SW01-F	ARSENIC	J	2.0	4.0	LOQ	ug/l	
	CHROMIUM	J	1.4	4.0	LOQ	ug/l	
	COPPER	J	1.6	4.0	LOQ	ug/l	J (all detects)
	NICKEL	J	1.8	4.0	LOQ	ug/l	
	ZINC	J	8.0	30.0	LOQ	ug/l	
EB-061017-01	VANADIUM	J	0.34	1.0	LOQ	ug/l	J (all detects)
EB-061017-02	ALUMINUM	J	107	200	LOQ	ug/l	
	CHROMIUM	J	1.7	4.0	LOQ	ug/l	
	IRON	J	65.6	200	LOQ	ug/l	
	LEAD	J	0.34	2.0	LOQ	ug/l	J (all detects)
	MAGNESIUM	J	11.9	200	LOQ	ug/l	
	MANGANESE	J	3.1	4.0	LOQ	ug/l	
	VANADIUM	J	0.21	1.0	LOQ	ug/l	

Method: 7470A

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD011-SW01	MERCURY	J	0.056	0.20	LOQ	ug/l	J (all detects)
CH-SWSD012-SW01	MERCURY	J	0.056	0.20	LOQ	ug/l	J (all detects)
CH-SWSD013-SW01	MERCURY	J	0.051	0.20	LOQ	ug/l	J (all detects)
CH-SWSD150-SW01	MERCURY	J	0.053	0.20	LOQ	ug/l	J (all detects)
CH-SWSD151-SW01	MERCURY	J	0.11	0.20	LOQ	ug/l	J (all detects)
CH-SWSD155-SW01	MERCURY	J	0.10	0.20	LOQ	ug/l	J (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD150-SW01	FLUORANTHENE	J	0.11	0.51	LOQ	ug/l	J (all detects)
	PYRENE	J	0.10	0.51	LOQ	ug/l	
CH-SWSD150-SW01-F	3/4-Methylphenol [m/p-Cresol]	J	0.74	1.0	LOQ	ug/l	J (all detects)
	BENZOIC ACID	J	9.4	15	LOQ	ug/l	
CH-SWSD151-SW01-F	DIETHYL PHTHALATE	J	2.3	5.0	LOQ	ug/l	J (all detects)
	DI-N-BUTYL PHTHALATE	J	2.4	5.0	LOQ	ug/l	
CH-SWSD153-SW01	BENZ(A)ANTHRACENE	J	0.14	0.51	LOQ	ug/l	J (all detects)
	Benzo (g,h,i) perylene	J	0.11	0.51	LOQ	ug/l	
	BENZO(A)PYRENE	J	0.16	0.51	LOQ	ug/l	
	BENZO(B)FLUORANTHENE	J	0.31	0.51	LOQ	ug/l	
	BENZO(K)FLUORANTHENE	J	0.14	0.51	LOQ	ug/l	
	CHRYSENE	J	0.24	0.51	LOQ	ug/l	
	FLUORANTHENE	J	0.31	0.51	LOQ	ug/l	
	INDENO(1,2,3-CD)PYRENE	J	0.12	0.51	LOQ	ug/l	
	PYRENE	J	0.29	0.51	LOQ	ug/l	
CH-SWSD155-SW01	BENZ(A)ANTHRACENE	J	0.17	0.51	LOQ	ug/l	J (all detects)
	Benzo (g,h,i) perylene	J	0.16	0.51	LOQ	ug/l	
	BENZO(A)PYRENE	J	0.22	0.51	LOQ	ug/l	
	BENZO(B)FLUORANTHENE	J	0.31	0.51	LOQ	ug/l	
	BENZO(K)FLUORANTHENE	J	0.15	0.51	LOQ	ug/l	
	CHRYSENE	J	0.18	0.51	LOQ	ug/l	
	FLUORANTHENE	J	0.33	0.51	LOQ	ug/l	
	INDENO(1,2,3-CD)PYRENE	J	0.14	0.51	LOQ	ug/l	
	PHENANTHRENE	J	0.11	0.51	LOQ	ug/l	
	PYRENE	J	0.36	0.51	LOQ	ug/l	
CH-SWSD155-SW01-F	3/4-Methylphenol [m/p-Cresol]	J	0.96	1.0	LOQ	ug/l	J (all detects)
	FLUORANTHENE	J	0.11	0.50	LOQ	ug/l	
	PYRENE	J	0.13	0.50	LOQ	ug/l	

Method: 8270D SIM

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD009-SW01	BENZ(A)ANTHRACENE	J	0.013	0.054	LOQ	ug/l	J (all detects)
	BENZO(A)PYRENE	J	0.027	0.054	LOQ	ug/l	
	BENZO(B)FLUORANTHENE	J	0.032	0.054	LOQ	ug/l	
	BENZO(G,H,I)PERYLENE	J	0.019	0.054	LOQ	ug/l	
	BENZO(K)FLUORANTHENE	J	0.014	0.054	LOQ	ug/l	
	CHRYSENE	J	0.012	0.054	LOQ	ug/l	
	INDENO(1,2,3-CD)PYRENE	J	0.020	0.054	LOQ	ug/l	
CH-SWSD024-SW01	1-METHYLNAPHTHALENE	J	0.011	0.050	LOQ	ug/l	J (all detects)
	2-METHYLNAPHTHALENE	J	0.015	0.050	LOQ	ug/l	
	ACENAPHTHENE	J	0.026	0.050	LOQ	ug/l	
	BENZO(B)FLUORANTHENE	J	0.013	0.050	LOQ	ug/l	
	CHRYSENE	J	0.011	0.050	LOQ	ug/l	
	FLUORANTHENE	J	0.012	0.050	LOQ	ug/l	
	NAPHTHALENE	J	0.055	0.060	LOQ	ug/l	
	PYRENE	J	0.011	0.050	LOQ	ug/l	

Reporting Limit Outliers

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**

Matrix: **WATER**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD025-SW01	1-METHYLNAPHTHALENE	J	0.016	0.050	LOQ	ug/l	J (all detects)
	2-METHYLNAPHTHALENE	J	0.024	0.050	LOQ	ug/l	
	ACENAPHTHENE	J	0.030	0.050	LOQ	ug/l	
	BENZ(A)ANTHRACENE	J	0.024	0.050	LOQ	ug/l	
	BENZO(A)PYRENE	J	0.016	0.050	LOQ	ug/l	
	BENZO(G,H,I)PERYLENE	J	0.019	0.050	LOQ	ug/l	
	CHRYSENE	J	0.030	0.050	LOQ	ug/l	
	DIBENZO(A,H)ANTHRACENE	J	0.013	0.050	LOQ	ug/l	
	FLUORANTHENE	J	0.042	0.050	LOQ	ug/l	
	FLUORENE	J	0.017	0.050	LOQ	ug/l	
	INDENO(1,2,3-CD)PYRENE	J	0.018	0.050	LOQ	ug/l	
	NAPHTHALENE	J	0.059	0.060	LOQ	ug/l	
	PYRENE	J	0.040	0.050	LOQ	ug/l	
CH-SWSD026-SW01	2-METHYLNAPHTHALENE	J	0.011	0.050	LOQ	ug/l	J (all detects)
	ACENAPHTHENE	J	0.027	0.050	LOQ	ug/l	
	BENZ(A)ANTHRACENE	J	0.043	0.050	LOQ	ug/l	
	BENZO(A)PYRENE	J	0.029	0.050	LOQ	ug/l	
	BENZO(G,H,I)PERYLENE	J	0.019	0.050	LOQ	ug/l	
	BENZO(K)FLUORANTHENE	J	0.028	0.050	LOQ	ug/l	
	INDENO(1,2,3-CD)PYRENE	J	0.020	0.050	LOQ	ug/l	
	NAPHTHALENE	J	0.048	0.060	LOQ	ug/l	
CH-SWSD141-SW01	FLUORANTHENE	J	0.018	0.051	LOQ	ug/l	J (all detects)
	FLUORENE	J	0.024	0.051	LOQ	ug/l	
	NAPHTHALENE	J	0.039	0.061	LOQ	ug/l	
CH-SWSD142-SW01	FLUORANTHENE	J	0.019	0.051	LOQ	ug/l	J (all detects)
	FLUORENE	J	0.029	0.051	LOQ	ug/l	
	NAPHTHALENE	J	0.046	0.061	LOQ	ug/l	
	PYRENE	J	0.011	0.051	LOQ	ug/l	
CH-SWSD143-SW01	ACENAPHTHENE	J	0.044	0.050	LOQ	ug/l	J (all detects)
	BENZO(B)FLUORANTHENE	J	0.012	0.050	LOQ	ug/l	
	CHRYSENE	J	0.011	0.050	LOQ	ug/l	
	FLUORANTHENE	J	0.022	0.050	LOQ	ug/l	
	FLUORENE	J	0.013	0.050	LOQ	ug/l	
	PYRENE	J	0.013	0.050	LOQ	ug/l	
CH-SWSD144-SW01	FLUORANTHENE	J	0.018	0.051	LOQ	ug/l	J (all detects)
	FLUORENE	J	0.020	0.051	LOQ	ug/l	
CH-SWSD145-SW01	ACENAPHTHENE	J	0.033	0.050	LOQ	ug/l	J (all detects)
	BENZO(B)FLUORANTHENE	J	0.012	0.050	LOQ	ug/l	
	CHRYSENE	J	0.011	0.050	LOQ	ug/l	
	FLUORANTHENE	J	0.020	0.050	LOQ	ug/l	
	PYRENE	J	0.011	0.050	LOQ	ug/l	
CH-SWSD145-SW01D	ACENAPHTHENE	J	0.048	0.050	LOQ	ug/l	J (all detects)
	BENZO(B)FLUORANTHENE	J	0.012	0.050	LOQ	ug/l	
	CHRYSENE	J	0.011	0.050	LOQ	ug/l	
	FLUORANTHENE	J	0.023	0.050	LOQ	ug/l	
	FLUORENE	J	0.015	0.050	LOQ	ug/l	
	PYRENE	J	0.014	0.050	LOQ	ug/l	

Reporting Limit Outliers

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**

Matrix: **WATER**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD146-SW01	ACENAPHTHENE	J	0.049	0.050	LOQ	ug/l	J (all detects)
	BENZO(B)FLUORANTHENE	J	0.012	0.050	LOQ	ug/l	
	CHRYSENE	J	0.010	0.050	LOQ	ug/l	
	FLUORANTHENE	J	0.021	0.050	LOQ	ug/l	
	FLUORENE	J	0.017	0.050	LOQ	ug/l	
	PYRENE	J	0.012	0.050	LOQ	ug/l	
CH-SWSD147-SW01	BENZO(B)FLUORANTHENE	J	0.016	0.050	LOQ	ug/l	J (all detects)
	CHRYSENE	J	0.015	0.050	LOQ	ug/l	
	FLUORANTHENE	J	0.031	0.050	LOQ	ug/l	
	FLUORENE	J	0.020	0.050	LOQ	ug/l	
	PYRENE	J	0.020	0.050	LOQ	ug/l	
CH-SWSD148-SW01	BENZ(A)ANTHRACENE	J	0.011	0.052	LOQ	ug/l	J (all detects)
	BENZO(B)FLUORANTHENE	J	0.036	0.052	LOQ	ug/l	
	BENZO(G,H,I)PERYLENE	J	0.014	0.052	LOQ	ug/l	
	BENZO(K)FLUORANTHENE	J	0.021	0.052	LOQ	ug/l	
	CHRYSENE	J	0.018	0.052	LOQ	ug/l	
	FLUORANTHENE	J	0.036	0.052	LOQ	ug/l	
	FLUORENE	J	0.022	0.052	LOQ	ug/l	
	INDENO(1,2,3-CD)PYRENE	J	0.016	0.052	LOQ	ug/l	
	PYRENE	J	0.023	0.052	LOQ	ug/l	
CH-SWSD149-SW01	ACENAPHTHENE	J	0.047	0.052	LOQ	ug/l	J (all detects)
	BENZO(B)FLUORANTHENE	J	0.012	0.052	LOQ	ug/l	
	CHRYSENE	J	0.012	0.052	LOQ	ug/l	
	FLUORANTHENE	J	0.027	0.052	LOQ	ug/l	
	FLUORENE	J	0.018	0.052	LOQ	ug/l	
	PYRENE	J	0.015	0.052	LOQ	ug/l	
CH-SWSD150-SW01	ANTHRACENE	J	0.017	0.051	LOQ	ug/l	J (all detects)
	BENZO(K)FLUORANTHENE	J	0.045	0.051	LOQ	ug/l	
	DIBENZO(A,H)ANTHRACENE	J	0.015	0.051	LOQ	ug/l	
	PHENANTHRENE	J	0.044	0.061	LOQ	ug/l	
CH-SWSD151-SW01	ANTHRACENE	J	0.012	0.050	LOQ	ug/l	J (all detects)
	BENZ(A)ANTHRACENE	J	0.025	0.050	LOQ	ug/l	
	BENZO(A)PYRENE	J	0.019	0.050	LOQ	ug/l	
	BENZO(B)FLUORANTHENE	J	0.049	0.050	LOQ	ug/l	
	BENZO(G,H,I)PERYLENE	J	0.014	0.050	LOQ	ug/l	
	BENZO(K)FLUORANTHENE	J	0.016	0.050	LOQ	ug/l	
	CHRYSENE	J	0.034	0.050	LOQ	ug/l	
	FLUORANTHENE	J	0.032	0.050	LOQ	ug/l	
	INDENO(1,2,3-CD)PYRENE	J	0.015	0.050	LOQ	ug/l	
	PYRENE	J	0.031	0.050	LOQ	ug/l	
CH-SWSD151-SW01-F	BENZ(A)ANTHRACENE	J	0.012	0.050	LOQ	ug/l	J (all detects)
	BENZO(B)FLUORANTHENE	J	0.022	0.050	LOQ	ug/l	
	CHRYSENE	J	0.016	0.050	LOQ	ug/l	
	FLUORANTHENE	J	0.015	0.050	LOQ	ug/l	
	PYRENE	J	0.014	0.050	LOQ	ug/l	

Reporting Limit Outliers

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D SIM

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD152-SW01-F	ACENAPHTHYLENE	J	0.040	0.051	LOQ	ug/l	J (all detects)
	ANTHRACENE	J	0.014	0.051	LOQ	ug/l	
	BENZ(A)ANTHRACENE	J	0.014	0.051	LOQ	ug/l	
	BENZO(A)PYRENE	J	0.018	0.051	LOQ	ug/l	
	BENZO(B)FLUORANTHENE	J	0.019	0.051	LOQ	ug/l	
	BENZO(G,H,I)PERYLENE	J	0.032	0.051	LOQ	ug/l	
	CHRYSENE	J	0.014	0.051	LOQ	ug/l	
	INDENO(1,2,3-CD)PYRENE	J	0.020	0.051	LOQ	ug/l	
	PYRENE	J	0.011	0.051	LOQ	ug/l	
CH-SWSD153-SW01	ACENAPHTHYLENE	J	0.032	0.051	LOQ	ug/l	J (all detects)
	ANTHRACENE	J	0.042	0.051	LOQ	ug/l	
	DIBENZO(A,H)ANTHRACENE	J	0.031	0.051	LOQ	ug/l	
	PHENANTHRENE	J	0.060	0.061	LOQ	ug/l	
CH-SWSD153-SW01-F	ANTHRACENE	J	0.018	0.051	LOQ	ug/l	J (all detects)
	BENZ(A)ANTHRACENE	J	0.048	0.051	LOQ	ug/l	
	BENZO(G,H,I)PERYLENE	J	0.040	0.051	LOQ	ug/l	
	BENZO(K)FLUORANTHENE	J	0.035	0.051	LOQ	ug/l	
	DIBENZO(A,H)ANTHRACENE	J	0.011	0.051	LOQ	ug/l	
	INDENO(1,2,3-CD)PYRENE	J	0.037	0.051	LOQ	ug/l	
CH-SWSD155-SW01	ACENAPHTHENE	J	0.039	0.051	LOQ	ug/l	J (all detects)
	ACENAPHTHYLENE	J	0.034	0.051	LOQ	ug/l	
	ANTHRACENE	J	0.048	0.051	LOQ	ug/l	
	DIBENZO(A,H)ANTHRACENE	J	0.045	0.051	LOQ	ug/l	
	FLUORENE	J	0.021	0.051	LOQ	ug/l	
CH-SWSD155-SW01-F	ANTHRACENE	J	0.015	0.050	LOQ	ug/l	J (all detects)
	BENZO(G,H,I)PERYLENE	J	0.045	0.050	LOQ	ug/l	
	BENZO(K)FLUORANTHENE	J	0.045	0.050	LOQ	ug/l	
	DIBENZO(A,H)ANTHRACENE	J	0.011	0.050	LOQ	ug/l	
	INDENO(1,2,3-CD)PYRENE	J	0.042	0.050	LOQ	ug/l	
	PHENANTHRENE	J	0.036	0.060	LOQ	ug/l	
EB-061017-02	BENZ(A)ANTHRACENE	J	0.012	0.051	LOQ	ug/l	J (all detects)
	BENZO(B)FLUORANTHENE	J	0.011	0.051	LOQ	ug/l	
	CHRYSENE	J	0.011	0.051	LOQ	ug/l	

Method: Calculation

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD004-SW01	TRIVALENT CHROMIUM	J	0.64	4.0	LOQ	ug/l	J (all detects)
CH-SWSD005-SW01	TRIVALENT CHROMIUM	J	0.62	4.0	LOQ	ug/l	J (all detects)
CH-SWSD006-SW01	TRIVALENT CHROMIUM	J	0.72	4.0	LOQ	ug/l	J (all detects)
CH-SWSD009-SW01	TRIVALENT CHROMIUM	J	0.79	4.0	LOQ	ug/l	J (all detects)
CH-SWSD011-SW01	TRIVALENT CHROMIUM	J	0.73	4.0	LOQ	ug/l	J (all detects)
CH-SWSD012-SW01	TRIVALENT CHROMIUM	J	1.5	4.0	LOQ	ug/l	J (all detects)
CH-SWSD013-SW01	TRIVALENT CHROMIUM	J	1.3	4.0	LOQ	ug/l	J (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP28 **Laboratory: LLL**

EDD Filename: APP28-C_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **Calculation**

Matrix: **WATER**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD014-SW01	TRIVALENT CHROMIUM	J	0.96	4.0	LOQ	ug/l	J (all detects)
CH-SWSD015-SW01	TRIVALENT CHROMIUM	J	0.87	4.0	LOQ	ug/l	J (all detects)
CH-SWSD024-SW01	TRIVALENT CHROMIUM	J	0.88	4.0	LOQ	ug/l	J (all detects)
CH-SWSD025-SW01	TRIVALENT CHROMIUM	J	1.0	4.0	LOQ	ug/l	J (all detects)
CH-SWSD026-SW01	TRIVALENT CHROMIUM	J	1.0	4.0	LOQ	ug/l	J (all detects)
CH-SWSD150-SW01	TRIVALENT CHROMIUM	J	1.6	4.0	LOQ	ug/l	J (all detects)
CH-SWSD150-SW01-F	TRIVALENT CHROMIUM	J	0.68	4.0	LOQ	ug/l	J (all detects)
EB-061017-02	TRIVALENT CHROMIUM	J	1.7	4.0	LOQ	ug/l	J (all detects)

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Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page 1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.	
Laboratory SDG:	APP29	
Date(s) of Collection:	June 12th, 2017	
Number/Type Samples & Analyses:	28 soil samples plus 5 MS/MSDs, 4 field duplicates for a project-specific list of SVOCs, PAHs, hexavalent chromium, and metals	
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA	
Completed:	November 21, 2017	

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for soil data included in Sample Delivery Group (SDG) APP29. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017.

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✓ Holding times and sample preservation

✗ Laboratory method blank data

✓ Field rinsate blank data

NA Trip blank data

✓ Laboratory control sample (LCS) recoveries

✗ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✓ Surrogate recoveries

✗ Laboratory duplicate results

✗ Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of "J" data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

DU06-S007-01-10, DU06-S001-01-10, DU06-S001-01-10D, DU06-S005-00-01, DU06-S005-01-10, DU06-S005-01-10D, DU06-S006-00-01, DU06-S006-01-10, DU06-S012-01-10, DU06-S008-01-10, DU06-S003-01-10, DU06-S003-01-10D, DU06-S002-00-01, DU06-S002-01-10, DU06-S014-01-10, DU06-S009-01-10, DU016-S016-00-01 samples were run for regular 8270 and 8270 SIM. The final results will be presented in 8270 SIM.

Several analytes were over calibration in method 8270D in samples DU06-S003-00-01 (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, chrysene, fluoranthene, phenanthrene, and pyrene) and DU06-S015-01-10 (fluoranthene and phenanthrene). The samples were diluted and re-analyzed. All results will be presented in the undiluted except for the analytes that were over calibration.

Sample DU06-S009-01-10 was re-extracted and re-analyzed for 8270D SIM because several target analytes (benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, chrysene, fluoranthene, and pyrene) were detected in the method blank. The re-analysis results will be presented as final except for dibenz(a,h)anthracene.

Several analytes were over calibration in method 8270D SIM in samples DU06-S007-01-10 (benzo(b)fluoranthene, fluoranthene, and pyrene), DU06-S012-01-10 (fluoranthene, phenanthrene, and pyrene), and DU06-S008-01-10 (fluoranthene and pyrene). The samples were diluted and re-analyzed. All results will be presented in the undiluted except for the analytes that were over calibration.

Sample DU06-S016-00-01 was analyzed for 8270D SIM however the internal standards were outside the QC acceptance limits. The sample was re-analyzed and the internal standards areas were once again outside the limits which indicated a matrix effect. Both sets of results are comparable. The initial results will be presented.

This data package was revised 11/9/2017 due to the Eurofins SW6020A metals data breach. The majority of the data changes were made to Quality Control (QC) and/or calibration checks, not to actual sample results. The few field sample result changes were due to the originally reported result exceeding the linear calibration range of the instrument; those results were changed to be slightly lower than the upper limit of the calibration range.

In this package, the result for Calcium in the associated method blank changed from < 40.0 mg/kg to 20.3 J mg/kg; the percent recovery of antimony, chromium, and calcium in the CCV was not within QC specification; and the percent recovery for cadmium in the low level check standard as well as the interference check standard was not within QC specification. There were no new qualifiers.

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Validation Area	*Note*
Technical Holding Times	SR
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	SR
Surrogate/Tracer Spikes	A
Matrix Spike/Matrix Spike Duplicates	SR
Laboratory Duplicates	SR
Laboratory Replicates	N
Laboratory Control Samples	SR
Compound Quantitation	SR
Field Duplicates	SR
Field Triplicates	N
Field Blanks	SR

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: GENCHEM

Method: D1498 **Matrix: SOIL**

Sample ID: DU06-S001-00-01 **Collected:** 6/12/2017 11:05:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Oxidation Reduction Potential (ORP)	341		10.0	LOD	10.0	LOQ	mV	J-	StoA

Sample ID: DU06-S011-01-10 **Collected:** 6/12/2017 1:25:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Oxidation Reduction Potential (ORP)	367		10.0	LOD	10.0	LOQ	mV	J-	StoA

Sample ID: DU06-S011-01-10D **Collected:** 6/12/2017 1:25:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Oxidation Reduction Potential (ORP)	364		10.0	LOD	10.0	LOQ	mV	J-	StoA

Method Category: METALS

Method: 6020A **Matrix: SOIL**

Sample ID: DU06-S001-00-01 **Collected:** 6/12/2017 11:05:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.170	J	0.175	LOD	0.349	LOQ	mg/kg	J	RI
BERYLLIUM	0.168	J	0.0218	LOD	0.175	LOQ	mg/kg	J	RI
THALLIUM	0.169	J	0.0437	LOD	0.175	LOQ	mg/kg	J	RI

Sample ID: DU06-S001-00-01 **Collected:** 6/12/2017 11:05:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.283	J	0.175	LOD	0.699	LOQ	mg/kg	J	RI

Sample ID: DU06-S001-00-01-X **Collected:** 6/12/2017 11:05:00 AM **Analysis Type:** Reanalysis-02 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0302	J	0.0825	LOD	0.165	LOQ	mg/kg	J	RI
SODIUM	55.5	J	16.5	LOD	66.0	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SOIL**

Sample ID: **DU06-S001-01-10** ***Collected:*** **6/12/2017 11:20:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.274		0.0194	LOD	0.155	LOQ	mg/kg	J	Fd
THALLIUM	0.119	J	0.0387	LOD	0.155	LOQ	mg/kg	J	Rl

Sample ID: **DU06-S001-01-10** ***Collected:*** **6/12/2017 11:20:00 AM** ***Analysis Type:*** **Reanalysis-01** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.0982	J	0.155	LOD	0.619	LOQ	mg/kg	J	Rl

Sample ID: **DU06-S001-01-10D** ***Collected:*** **6/12/2017 11:20:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.180		0.0194	LOD	0.155	LOQ	mg/kg	J	Fd
THALLIUM	0.103	J	0.0388	LOD	0.155	LOQ	mg/kg	J	Rl

Sample ID: **DU06-S001-01-10D** ***Collected:*** **6/12/2017 11:20:00 AM** ***Analysis Type:*** **Reanalysis-01** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.101	J	0.155	LOD	0.620	LOQ	mg/kg	J	Rl

Sample ID: **DU06-S001-01-10D-X** ***Collected:*** **6/12/2017 11:20:00 AM** ***Analysis Type:*** **Reanalysis-02** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	73.7	J	19.7	LOD	78.7	LOQ	mg/kg	J	Rl

Sample ID: **DU06-S002-00-01** ***Collected:*** **6/12/2017 10:40:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.171	J	0.207	LOD	0.826	LOQ	mg/kg	J	Rl
SODIUM	58.4	J	20.7	LOD	82.6	LOQ	mg/kg	J	Rl
THALLIUM	0.0798	J	0.0517	LOD	0.207	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SOIL**

Sample ID: **DU06-S002-00-01** ***Collected:*** **6/12/2017 10:40:00 AM** ***Analysis Type:*** **Reanalysis-01** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.101	J	0.207	LOD	0.413	LOQ	mg/kg	J	Rl
CADMIUM	0.0368	J	0.103	LOD	0.207	LOQ	mg/kg	J	Rl

Sample ID: **DU06-S002-01-10** ***Collected:*** **6/12/2017 10:50:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	4510		7.90	LOD	31.6	LOQ	mg/kg	J	Ms, Ms
BERYLLIUM	0.284		0.0198	LOD	0.158	LOQ	mg/kg	J	Ld
CALCIUM	527		31.6	LOD	63.2	LOQ	mg/kg	J-	Ms
MAGNESIUM	1160		7.90	LOD	31.6	LOQ	mg/kg	J	Ms, Ms, Ms
THALLIUM	0.126	J	0.0395	LOD	0.158	LOQ	mg/kg	J	Rl, Ld

Sample ID: **DU06-S002-01-10** ***Collected:*** **6/12/2017 10:50:00 AM** ***Analysis Type:*** **Reanalysis-01** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	29.4		0.316	LOD	0.632	LOQ	mg/kg	J+	Ms
CHROMIUM	9.57		0.316	LOD	0.632	LOQ	mg/kg	J+	Ms
IRON	19300		15.8	LOD	31.6	LOQ	mg/kg	J	Ms, Ld
MANGANESE	435		0.158	LOD	0.632	LOQ	mg/kg	J	Ms, Ld
VANADIUM	15.2		0.0790	LOD	0.158	LOQ	mg/kg	J+	Ms
ZINC	12.5		2.37	LOD	4.74	LOQ	mg/kg	J+	Ms

Sample ID: **DU06-S002-01-10** ***Collected:*** **6/12/2017 10:50:00 AM** ***Analysis Type:*** **Reanalysis-02** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	2.12		0.316	LOD	0.632	LOQ	mg/kg	J	Ms, Ld
CADMIUM	0.0468	J	0.0790	LOD	0.158	LOQ	mg/kg	J	Rl
NICKEL	5.39		0.158	LOD	0.632	LOQ	mg/kg	J+	Ms

Sample ID: **DU06-S003-00-01** ***Collected:*** **6/12/2017 10:15:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0360	J	0.104	LOD	0.209	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU06-S003-00-01 **Collected:** 6/12/2017 10:15:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	85.5		20.9	LOD	83.5	LOQ	mg/kg	U	Mb
THALLIUM	0.173	J	0.0522	LOD	0.209	LOQ	mg/kg	J	Rl

Sample ID: DU06-S003-01-10 **Collected:** 6/12/2017 10:30:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	107		17.3	LOD	69.2	LOQ	mg/kg	U	Mb
THALLIUM	0.132	J	0.0433	LOD	0.173	LOQ	mg/kg	J	Rl

Sample ID: DU06-S003-01-10D **Collected:** 6/12/2017 10:30:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.171	J	0.0538	LOD	0.215	LOQ	mg/kg	J	Rl

Sample ID: DU06-S004-00-01 **Collected:** 6/12/2017 9:30:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.176	J	0.0918	LOD	0.184	LOQ	mg/kg	J	Rl
SELENIUM	0.288	J	0.184	LOD	0.734	LOQ	mg/kg	J	Rl
SILVER	0.0379	J	0.0459	LOD	0.184	LOQ	mg/kg	J	Rl
SODIUM	70.3	J	18.4	LOD	73.4	LOQ	mg/kg	U	Mb
THALLIUM	0.0916	J	0.0459	LOD	0.184	LOQ	mg/kg	J	Rl

Sample ID: DU06-S004-01-10 **Collected:** 6/12/2017 10:00:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	7310		9.86	LOD	39.4	LOQ	mg/kg	J	Ms, Ms
ARSENIC	2.02		0.394	LOD	0.789	LOQ	mg/kg	J	Ms, Ld
BARIUM	40.1		0.394	LOD	0.789	LOQ	mg/kg	J	Ms, Ms
BERYLLIUM	0.353		0.0246	LOD	0.197	LOQ	mg/kg	J	Ms, Ms
COPPER	8.39		0.197	LOD	0.789	LOQ	mg/kg	J+	Ms
IRON	11300		19.7	LOD	39.4	LOQ	mg/kg	J+	Ms
LEAD	5.20		0.0493	LOD	0.394	LOQ	mg/kg	J+	Ms

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SOIL**

Sample ID: **DU06-S004-01-10** ***Collected:*** **6/12/2017 10:00:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MAGNESIUM	2200		9.86	LOD	39.4	LOQ	mg/kg	J	Ms, Ms
MANGANESE	164		0.197	LOD	0.789	LOQ	mg/kg	J	Ms, Ms
NICKEL	8.67		0.197	LOD	0.789	LOQ	mg/kg	J+	Ms
THALLIUM	0.129	J	0.0493	LOD	0.197	LOQ	mg/kg	J	RI
VANADIUM	21.3		0.0986	LOD	0.197	LOQ	mg/kg	J+	Ms
ZINC	28.2		2.96	LOD	5.91	LOQ	mg/kg	J+	Ms

Sample ID: **DU06-S004-01-10** ***Collected:*** **6/12/2017 10:00:00 AM** ***Analysis Type:*** **Reanalysis-01** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.0923	J	0.197	LOD	0.394	LOQ	mg/kg	J	RI
CADMIUM	0.0986	U	0.0986	LOD	0.197	LOQ	mg/kg	UJ	Ld
CALCIUM	1100		39.4	LOD	78.9	LOQ	mg/kg	J+	Ms
CHROMIUM	15.0		0.394	LOD	0.789	LOQ	mg/kg	J+	Ms

Sample ID: **DU06-S005-00-01** ***Collected:*** **6/12/2017 11:10:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.141	J	0.208	LOD	0.416	LOQ	mg/kg	J	RI
BERYLLIUM	0.0972	J	0.0260	LOD	0.208	LOQ	mg/kg	J	RI
THALLIUM	0.0964	J	0.0520	LOD	0.208	LOQ	mg/kg	J	RI

Sample ID: **DU06-S005-00-01** ***Collected:*** **6/12/2017 11:10:00 AM** ***Analysis Type:*** **Reanalysis-01** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.414	J	0.208	LOD	0.832	LOQ	mg/kg	J	RI

Sample ID: **DU06-S005-00-01-X** ***Collected:*** **6/12/2017 11:10:00 AM** ***Analysis Type:*** **Reanalysis-02** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	34.7	J	16.5	LOD	66.0	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU06-S005-01-10 **Collected:** 6/12/2017 11:15:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.192	J	0.0527	LOD	0.211	LOQ	mg/kg	J	Rl, Fd

Sample ID: DU06-S005-01-10 **Collected:** 6/12/2017 11:15:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.211	U	0.211	LOD	0.843	LOQ	mg/kg	UJ	Fd

Sample ID: DU06-S005-01-10D **Collected:** 6/12/2017 11:15:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.128	J	0.0465	LOD	0.186	LOQ	mg/kg	J	Rl, Fd

Sample ID: DU06-S005-01-10D **Collected:** 6/12/2017 11:15:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.161	J	0.186	LOD	0.743	LOQ	mg/kg	J	Rl, Fd

Sample ID: DU06-S006-00-01 **Collected:** 6/12/2017 11:30:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.127	J	0.0245	LOD	0.196	LOQ	mg/kg	J	Rl
THALLIUM	0.188	J	0.0490	LOD	0.196	LOQ	mg/kg	J	Rl

Sample ID: DU06-S006-00-01 **Collected:** 6/12/2017 11:30:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.257	J	0.196	LOD	0.785	LOQ	mg/kg	J	Rl

Sample ID: DU06-S006-00-01-X **Collected:** 6/12/2017 11:30:00 AM **Analysis Type:** Reanalysis-02 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	56.7	J	16.1	LOD	64.6	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SOIL**

Sample ID: **DU06-S006-01-10** ***Collected:*** **6/12/2017 11:35:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.195	U	0.195	LOD	0.390	LOQ	mg/kg	UJ	Ld
BARIUM	48.8		0.390	LOD	0.780	LOQ	mg/kg	J+	Ms
SELENIUM	0.172	J	0.195	LOD	0.780	LOQ	mg/kg	J	Rl
THALLIUM	0.181	J	0.0487	LOD	0.195	LOQ	mg/kg	J	Rl

Sample ID: **DU06-S006-01-10-X** ***Collected:*** **6/12/2017 11:35:00 AM** ***Analysis Type:*** **Reanalysis-01** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	8740		9.58	LOD	38.3	LOQ	mg/kg	J+	Ms
CALCIUM	511		38.3	LOD	76.6	LOQ	mg/kg	J+	Ms
IRON	13600		19.2	LOD	38.3	LOQ	mg/kg	J+	Ms
MAGNESIUM	2120		9.58	LOD	38.3	LOQ	mg/kg	J+	Ms
MANGANESE	113		0.192	LOD	0.766	LOQ	mg/kg	J+	Ms
POTASSIUM	1470		19.2	LOD	76.6	LOQ	mg/kg	J+	Ms
SODIUM	70.6	J	19.2	LOD	76.6	LOQ	mg/kg	J	Rl
ZINC	19.7		2.87	LOD	5.75	LOQ	mg/kg	J+	Ms

Sample ID: **DU06-S006-01-10-X** ***Collected:*** **6/12/2017 11:35:00 AM** ***Analysis Type:*** **Reanalysis-02** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
VANADIUM	19.8		0.0958	LOD	0.192	LOQ	mg/kg	J+	Ms

Sample ID: **DU06-S007-00-01** ***Collected:*** **6/12/2017 12:05:00 PM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.192	J	0.178	LOD	0.357	LOQ	mg/kg	J	Rl
SELENIUM	0.248	J	0.178	LOD	0.713	LOQ	mg/kg	J	Rl
THALLIUM	0.0724	J	0.0446	LOD	0.178	LOQ	mg/kg	J	Rl

Sample ID: **DU06-S007-00-01-X** ***Collected:*** **6/12/2017 12:05:00 PM** ***Analysis Type:*** **Reanalysis-01** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0749	J	0.0936	LOD	0.187	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SOIL**

Sample ID: **DU06-S007-00-01-X** ***Collected:*** **6/12/2017 12:05:00 PM** ***Analysis Type:*** **Reanalysis-01** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	59.7	J	18.7	LOD	74.9	LOQ	mg/kg	J	RI

Sample ID: **DU06-S007-01-10** ***Collected:*** **6/12/2017 12:10:00 PM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.112	J	0.212	LOD	0.423	LOQ	mg/kg	J	RI
THALLIUM	0.157	J	0.0529	LOD	0.212	LOQ	mg/kg	J	RI

Sample ID: **DU06-S008-00-01** ***Collected:*** **6/12/2017 12:20:00 PM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.137	J	0.208	LOD	0.416	LOQ	mg/kg	J	RI
BERYLLIUM	0.178	J	0.0260	LOD	0.208	LOQ	mg/kg	J	RI
THALLIUM	0.172	J	0.0520	LOD	0.208	LOQ	mg/kg	J	RI

Sample ID: **DU06-S008-00-01** ***Collected:*** **6/12/2017 12:20:00 PM** ***Analysis Type:*** **Reanalysis-01** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.315	J	0.208	LOD	0.832	LOQ	mg/kg	J	RI

Sample ID: **DU06-S008-00-01-X** ***Collected:*** **6/12/2017 12:20:00 PM** ***Analysis Type:*** **Reanalysis-02** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0974	J	0.0908	LOD	0.182	LOQ	mg/kg	J	RI
SODIUM	51.7	J	18.2	LOD	72.7	LOQ	mg/kg	J	RI

Sample ID: **DU06-S008-01-10** ***Collected:*** **6/12/2017 12:25:00 PM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	8590		9.95	LOD	39.8	LOQ	mg/kg	J+	Ms
ANTIMONY	0.199	U	0.199	LOD	0.398	LOQ	mg/kg	UJ	Ms
ARSENIC	2.26		0.398	LOD	0.796	LOQ	mg/kg	J-	Ms
BARIUM	26.4		0.398	LOD	0.796	LOQ	mg/kg	J+	Ms

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU06-S008-01-10 **Collected:** 6/12/2017 12:25:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0933	J	0.0995	LOD	0.199	LOQ	mg/kg	J	Rl
IRON	9460		19.9	LOD	39.8	LOQ	mg/kg	J+	Ms
LEAD	12.5		0.0498	LOD	0.398	LOQ	mg/kg	J	Ms, Ld
MAGNESIUM	1610		9.95	LOD	39.8	LOQ	mg/kg	J+	Ms
SELENIUM	0.215	J	0.199	LOD	0.796	LOQ	mg/kg	J	Rl, Ms, Ld
SODIUM	79.5	J	19.9	LOD	79.6	LOQ	mg/kg	U	Mb
THALLIUM	0.0895	J	0.0498	LOD	0.199	LOQ	mg/kg	J	Rl
ZINC	46.5		2.99	LOD	5.97	LOQ	mg/kg	J+	Ms

Sample ID: DU06-S008-01-10 **Collected:** 6/12/2017 12:25:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MANGANESE	112		0.199	LOD	0.796	LOQ	mg/kg	J+	Ms

Sample ID: DU06-S009-00-01 **Collected:** 6/12/2017 2:05:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.165	J	0.213	LOD	0.426	LOQ	mg/kg	J	Rl
BERYLLIUM	0.212	J	0.0267	LOD	0.213	LOQ	mg/kg	J	Rl

Sample ID: DU06-S009-01-10 **Collected:** 6/12/2017 2:10:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0408	J	0.0863	LOD	0.173	LOQ	mg/kg	J	Rl
SELENIUM	0.304	J	0.173	LOD	0.690	LOQ	mg/kg	J	Rl
SODIUM	66.5	J	17.3	LOD	69.0	LOQ	mg/kg	J	Rl
THALLIUM	0.118	J	0.0431	LOD	0.173	LOQ	mg/kg	J	Rl

Sample ID: DU06-S011-00-01 **Collected:** 6/12/2017 1:20:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.156	J	0.182	LOD	0.363	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SOIL**

Sample ID: **DU06-S011-00-01** ***Collected:*** **6/12/2017 1:20:00 PM** ***Analysis Type:*** **Reanalysis-02** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0381	J	0.0908	LOD	0.182	LOQ	mg/kg	J	Rl

Sample ID: **DU06-S011-01-10** ***Collected:*** **6/12/2017 1:25:00 PM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MAGNESIUM	994		8.62	LOD	34.5	LOQ	mg/kg	J	Fd
POTASSIUM	599		17.2	LOD	68.9	LOQ	mg/kg	J	Fd
SELENIUM	0.304	J	0.172	LOD	0.689	LOQ	mg/kg	J	Rl, Fd
SODIUM	64.9	J	17.2	LOD	68.9	LOQ	mg/kg	J	Rl
THALLIUM	0.0894	J	0.0431	LOD	0.172	LOQ	mg/kg	J	Rl

Sample ID: **DU06-S011-01-10** ***Collected:*** **6/12/2017 1:25:00 PM** ***Analysis Type:*** **Reanalysis-01** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	21.9		0.345	LOD	0.689	LOQ	mg/kg	J	Fd
CHROMIUM	10.8		0.345	LOD	0.689	LOQ	mg/kg	J	Fd
IRON	7750		17.2	LOD	34.5	LOQ	mg/kg	J	Fd
VANADIUM	16.7		0.0862	LOD	0.172	LOQ	mg/kg	J	Fd

Sample ID: **DU06-S011-01-10** ***Collected:*** **6/12/2017 1:25:00 PM** ***Analysis Type:*** **Reanalysis-02** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.105	J	0.0862	LOD	0.172	LOQ	mg/kg	J	Rl, Fd
COBALT	2.33		0.0862	LOD	0.172	LOQ	mg/kg	J	Fd
COPPER	7.97		0.172	LOD	0.689	LOQ	mg/kg	J	Fd
NICKEL	4.82		0.172	LOD	0.689	LOQ	mg/kg	J	Fd

Sample ID: **DU06-S011-01-10D** ***Collected:*** **6/12/2017 1:25:00 PM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MAGNESIUM	2120		11.3	LOD	45.2	LOQ	mg/kg	J	Fd
POTASSIUM	1180		22.6	LOD	90.3	LOQ	mg/kg	J	Fd
SELENIUM	0.169	J	0.226	LOD	0.903	LOQ	mg/kg	J	Rl, Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU06-S011-01-10D **Collected:** 6/12/2017 1:25:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	82.0	J	22.6	LOD	90.3	LOQ	mg/kg	J	Rl
THALLIUM	0.0928	J	0.0564	LOD	0.226	LOQ	mg/kg	J	Rl

Sample ID: DU06-S011-01-10D **Collected:** 6/12/2017 1:25:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	30.0		0.452	LOD	0.903	LOQ	mg/kg	J	Fd
CHROMIUM	16.5		0.452	LOD	0.903	LOQ	mg/kg	J	Fd
IRON	13700		22.6	LOD	45.2	LOQ	mg/kg	J	Fd
VANADIUM	23.4		0.113	LOD	0.226	LOQ	mg/kg	J	Fd

Sample ID: DU06-S011-01-10D **Collected:** 6/12/2017 1:25:00 PM **Analysis Type:** Reanalysis-02 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0723	J	0.113	LOD	0.226	LOQ	mg/kg	J	Rl, Fd
COBALT	3.65		0.113	LOD	0.226	LOQ	mg/kg	J	Fd
COPPER	5.08		0.226	LOD	0.903	LOQ	mg/kg	J	Fd
NICKEL	8.62		0.226	LOD	0.903	LOQ	mg/kg	J	Fd

Sample ID: DU06-S012-00-01 **Collected:** 6/12/2017 12:55:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.156	J	0.153	LOD	0.306	LOQ	mg/kg	J	Rl
THALLIUM	0.145	J	0.0382	LOD	0.153	LOQ	mg/kg	J	Rl

Sample ID: DU06-S012-00-01 **Collected:** 6/12/2017 12:55:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.417	J	0.153	LOD	0.611	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SOIL**

Sample ID: **DU06-S012-00-01-X** ***Collected:*** **6/12/2017 12:55:00 PM** ***Analysis Type:*** **Reanalysis-02** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.181	J	0.0991	LOD	0.198	LOQ	mg/kg	J	RI
SODIUM	60.0	J	19.8	LOD	79.3	LOQ	mg/kg	J	RI

Sample ID: **DU06-S012-01-10** ***Collected:*** **6/12/2017 1:00:00 PM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.0981	J	0.0542	LOD	0.217	LOQ	mg/kg	J	RI

Sample ID: **DU06-S012-01-10** ***Collected:*** **6/12/2017 1:00:00 PM** ***Analysis Type:*** **Reanalysis-01** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.199	J	0.217	LOD	0.868	LOQ	mg/kg	J	RI

Sample ID: **DU06-S012-01-10-X** ***Collected:*** **6/12/2017 1:00:00 PM** ***Analysis Type:*** **Reanalysis-02** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0363	J	0.100	LOD	0.201	LOQ	mg/kg	J	RI
SODIUM	62.9	J	20.1	LOD	80.2	LOQ	mg/kg	J	RI

Sample ID: **DU06-S014-00-01** ***Collected:*** **6/12/2017 3:00:00 PM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0310	J	0.0892	LOD	0.178	LOQ	mg/kg	J	RI
SILVER	0.133	J	0.0446	LOD	0.178	LOQ	mg/kg	J	RI

Sample ID: **DU06-S014-01-10** ***Collected:*** **6/12/2017 3:05:00 PM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.130	J	0.245	LOD	0.489	LOQ	mg/kg	J	RI
CADMIUM	0.0842	J	0.122	LOD	0.245	LOQ	mg/kg	J	RI
SELENIUM	0.932	J	0.245	LOD	0.979	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU06-S015-01-10 **Collected:** 6/12/2017 3:25:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	18100		13.8	LOD	55.1	LOQ	mg/kg	J	Ms, Ld
ANTIMONY	0.287	J	0.276	LOD	0.551	LOQ	mg/kg	J	Rl, Ld
ARSENIC	20.7		0.551	LOD	1.10	LOQ	mg/kg	J	Ms, Ms, Ld
BARIUM	106		0.551	LOD	1.10	LOQ	mg/kg	J	Ms, Ms, Ms
CADMIUM	0.213	J	0.138	LOD	0.276	LOQ	mg/kg	J	Rl, Ld
CHROMIUM	29.8		0.551	LOD	1.10	LOQ	mg/kg	J	Ms, Ld
COBALT	11.1		0.138	LOD	0.276	LOQ	mg/kg	J	Ms, Ld
COPPER	23.4		0.276	LOD	1.10	LOQ	mg/kg	J	Ms, Ld
IRON	24800		27.6	LOD	55.1	LOQ	mg/kg	J-	Ms
LEAD	24.8		0.0689	LOD	0.551	LOQ	mg/kg	J	Ms, Ms, Ld
MAGNESIUM	4270		13.8	LOD	55.1	LOQ	mg/kg	J	Ms, Ld
POTASSIUM	2710		27.6	LOD	110	LOQ	mg/kg	J	Ms, Ld
SELENIUM	1.80		0.276	LOD	1.10	LOQ	mg/kg	J	Ms, Ld
SILVER	0.0695	J	0.0689	LOD	0.276	LOQ	mg/kg	J	Rl, Ld
THALLIUM	0.702		0.0689	LOD	0.276	LOQ	mg/kg	J+	Ms
ZINC	63.7		4.14	LOD	8.27	LOQ	mg/kg	J+	Ms

Sample ID: DU06-S015-01-10 **Collected:** 6/12/2017 3:25:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MANGANESE	447		0.276	LOD	1.10	LOQ	mg/kg	J	Ms, Ld
VANADIUM	44.2		0.138	LOD	0.276	LOQ	mg/kg	J	Ms, Ld

Method Category: METALS

Method: 7471B **Matrix:** SOIL

Sample ID: DU06-S001-00-01 **Collected:** 6/12/2017 11:05:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0414	J	0.0162	LOD	0.0975	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7471B **Matrix:** SOIL

Sample ID: DU06-S002-00-01 **Collected:** 6/12/2017 10:40:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0748	J	0.0170	LOD	0.102	LOQ	mg/kg	J	RI

Sample ID: DU06-S003-00-01 **Collected:** 6/12/2017 10:15:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0170	J	0.0177	LOD	0.106	LOQ	mg/kg	J	RI

Sample ID: DU06-S004-00-01 **Collected:** 6/12/2017 9:30:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0959	J	0.0186	LOD	0.112	LOQ	mg/kg	J	RI

Sample ID: DU06-S006-01-10 **Collected:** 6/12/2017 11:35:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0132	J	0.0179	LOD	0.108	LOQ	mg/kg	J	RI, Ld

Sample ID: DU06-S007-00-01 **Collected:** 6/12/2017 12:05:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0219	J	0.0187	LOD	0.112	LOQ	mg/kg	J	RI

Sample ID: DU06-S008-00-01 **Collected:** 6/12/2017 12:20:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0157	J	0.0169	LOD	0.101	LOQ	mg/kg	J	RI

Sample ID: DU06-S009-00-01 **Collected:** 6/12/2017 2:05:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0337	J	0.0173	LOD	0.104	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7471B **Matrix: SOIL**

Sample ID: DU06-S011-00-01 **Collected:** 6/12/2017 1:20:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0200	J	0.0170	LOD	0.102	LOQ	mg/kg	J	RI

Sample ID: DU06-S012-00-01 **Collected:** 6/12/2017 12:55:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0165	J	0.0172	LOD	0.103	LOQ	mg/kg	J	RI

Sample ID: DU06-S012-01-10 **Collected:** 6/12/2017 1:00:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0133	J	0.0199	LOD	0.119	LOQ	mg/kg	J	RI

Sample ID: DU06-S014-01-10 **Collected:** 6/12/2017 3:05:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0207	J	0.0212	LOD	0.127	LOQ	mg/kg	J	RI

Sample ID: DU06-S015-01-10 **Collected:** 6/12/2017 3:25:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0566	J	0.0248	LOD	0.149	LOQ	mg/kg	J	RI

Method Category: METALS

Method: Calculation **Matrix: SOIL**

Sample ID: DU06-S011-01-10 **Collected:** 6/12/2017 1:25:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	9.4		0.46	LOD	0.69	LOQ	mg/kg	J	Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: Calculation **Matrix: SOIL**

Sample ID: DU06-S011-01-10D **Collected:** 6/12/2017 1:25:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	15.4		0.46	LOD	0.90	LOQ	mg/kg	J	Fd

Method Category: SVOA

Method: 8270D **Matrix: SOIL**

Sample ID: DU06-S001-00-01 **Collected:** 6/12/2017 11:05:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.025	J	0.034	LOD	0.087	LOQ	mg/kg	J	Rl
2-METHYLNAPHTHALENE	0.021	J	0.034	LOD	0.087	LOQ	mg/kg	J	Rl
ACENAPHTHENE	0.043	J	0.034	LOD	0.087	LOQ	mg/kg	J	Rl
ACENAPHTHYLENE	0.026	J	0.034	LOD	0.087	LOQ	mg/kg	J	Rl
DIBENZO(A,H)ANTHRACENE	0.084	J	0.034	LOD	0.087	LOQ	mg/kg	J	Rl
FLUORENE	0.050	J	0.034	LOD	0.087	LOQ	mg/kg	J	Rl
NAPHTHALENE	0.024	J	0.034	LOD	0.087	LOQ	mg/kg	J	Rl

Sample ID: DU06-S001-01-10 **Collected:** 6/12/2017 11:20:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.029		0.007	LOD	0.018	LOQ	mg/kg	NP	Fd, ProfJudg
2-METHYLNAPHTHALENE	0.021		0.007	LOD	0.018	LOQ	mg/kg	NP	Fd, ProfJudg
ACENAPHTHENE	0.16		0.007	LOD	0.018	LOQ	mg/kg	NP	Fd, ProfJudg
ACENAPHTHYLENE	0.008	J	0.007	LOD	0.018	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
ANTHRACENE	0.44		0.007	LOD	0.018	LOQ	mg/kg	NP	Fd, ProfJudg
BENZ(A)ANTHRACENE	0.56		0.007	LOD	0.018	LOQ	mg/kg	NP	Fd, ProfJudg
Benzo (g,h,i) perylene	0.23		0.007	LOD	0.018	LOQ	mg/kg	NP	Fd, ProfJudg
BENZO(A)PYRENE	0.44		0.007	LOD	0.018	LOQ	mg/kg	NP	Fd, ProfJudg
BENZO(B)FLUORANTHENE	0.63		0.007	LOD	0.018	LOQ	mg/kg	NP	Fd, ProfJudg
BENZO(K)FLUORANTHENE	0.29		0.007	LOD	0.018	LOQ	mg/kg	NP	Fd, ProfJudg
CARBAZOLE	0.077		0.036	LOD	0.036	LOQ	mg/kg	J	Fd
CHRYSENE	0.49		0.007	LOD	0.018	LOQ	mg/kg	NP	Fd, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.075		0.007	LOD	0.018	LOQ	mg/kg	NP	Fd, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **SOIL**

Sample ID: **DU06-S001-01-10** ***Collected:*** **6/12/2017 11:20:00 AM** ***Analysis Type:*** **Initial-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
DIBENZOFURAN	0.090		0.036	LOD	0.036	LOQ	mg/kg	J	Fd
FLUORANTHENE	1.4		0.007	LOD	0.018	LOQ	mg/kg	NP	Fd, ProfJudg
FLUORENE	0.19		0.007	LOD	0.018	LOQ	mg/kg	NP	Fd, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.24		0.007	LOD	0.018	LOQ	mg/kg	NP	Fd, ProfJudg
NAPHTHALENE	0.011	J	0.007	LOD	0.018	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
PHENANTHRENE	1.5		0.007	LOD	0.018	LOQ	mg/kg	NP	Fd, ProfJudg
PYRENE	1.1		0.007	LOD	0.018	LOQ	mg/kg	NP	Fd, ProfJudg

Sample ID: **DU06-S001-01-10D** ***Collected:*** **6/12/2017 11:20:00 AM** ***Analysis Type:*** **Initial-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	Fd, ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	Fd, ProfJudg
ACENAPHTHENE	0.006	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	Fd, ProfJudg
ANTHRACENE	0.022		0.007	LOD	0.019	LOQ	mg/kg	NP	Fd, ProfJudg
BENZ(A)ANTHRACENE	0.049		0.007	LOD	0.019	LOQ	mg/kg	NP	Fd, ProfJudg
Benzo (g,h,i) perylene	0.025		0.007	LOD	0.019	LOQ	mg/kg	NP	Fd, ProfJudg
BENZO(A)PYRENE	0.043		0.007	LOD	0.019	LOQ	mg/kg	NP	Fd, ProfJudg
BENZO(B)FLUORANTHENE	0.056		0.007	LOD	0.019	LOQ	mg/kg	NP	Fd, ProfJudg
BENZO(K)FLUORANTHENE	0.032		0.007	LOD	0.019	LOQ	mg/kg	NP	Fd, ProfJudg
CARBAZOLE	0.036	U	0.036	LOD	0.036	LOQ	mg/kg	UJ	Fd
CHRYSENE	0.044		0.007	LOD	0.019	LOQ	mg/kg	NP	Fd, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.009	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
DIBENZOFURAN	0.036	U	0.036	LOD	0.036	LOQ	mg/kg	UJ	Fd
FLUORANTHENE	0.11		0.007	LOD	0.019	LOQ	mg/kg	NP	Fd, ProfJudg
FLUORENE	0.006	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.025		0.007	LOD	0.019	LOQ	mg/kg	NP	Fd, ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	Fd, ProfJudg
PHENANTHRENE	0.068		0.007	LOD	0.019	LOQ	mg/kg	NP	Fd, ProfJudg
PYRENE	0.091		0.007	LOD	0.019	LOQ	mg/kg	NP	Fd, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU06-S002-00-01 **Collected:** 6/12/2017 10:40:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.006	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
2-METHYLNAPHTHALENE	0.007	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.006	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.006	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.015	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
Benzo (g,h,i) perylene	0.015	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.019		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.031		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.014	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.020		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.005	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.033		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.012	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.006	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.015	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.029		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU06-S002-01-10 **Collected:** 6/12/2017 10:50:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.004	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.009	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.017	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
Benzo (g,h,i) perylene	0.011	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.018	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.023		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.011	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU06-S002-01-10 **Collected:** 6/12/2017 10:50:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.015	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.037		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.009	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.026		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.035		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU06-S003-00-01 **Collected:** 6/12/2017 10:15:00 AM **Analysis Type:** Dilution-01 **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.18	U	0.18	LOD	0.18	LOQ	mg/kg	NP	ProfJudg
2-Methylphenol (o-Cresol)	0.18	U	0.18	LOD	0.18	LOQ	mg/kg	NP	ProfJudg
4-Chloroaniline [p-Chloroaniline]	0.36	U	0.36	LOD	0.36	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU06-S003-00-01 **Collected:** 6/12/2017 10:15:00 AM **Analysis Type:** Dilution-01-ACID **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.18	U	0.18	LOD	0.18	LOQ	mg/kg	NP	ProfJudg
4-CHLORO-3-METHYLPHENOL	0.18	U	0.18	LOD	0.18	LOQ	mg/kg	NP	ProfJudg
BENZOIC ACID	2.7	U	2.7	LOD	2.7	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU06-S003-00-01 **Collected:** 6/12/2017 10:15:00 AM **Analysis Type:** Dilution-01-BASE/NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	0.18	U	0.18	LOD	0.18	LOQ	mg/kg	NP	ProfJudg
1-METHYLNAPHTHALENE	0.34		0.036	LOD	0.092	LOQ	mg/kg	NP	ProfJudg
2-CHLORONAPHTHALENE	0.072	U	0.072	LOD	0.18	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.44		0.036	LOD	0.092	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.91		0.036	LOD	0.092	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.54		0.036	LOD	0.092	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU06-S003-00-01 **Collected:** 6/12/2017 10:15:00 AM **Analysis Type:** Dilution-01-BASE/NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	3.3		0.036	LOD	0.092	LOQ	mg/kg	NP	ProfJudg
BENZALDEHYDE	0.72	U	0.72	LOD	0.91	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	5.2		0.036	LOD	0.092	LOQ	mg/kg	NP	ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	0.72	U	0.72	LOD	0.92	LOQ	mg/kg	NP	ProfJudg
Butyl benzyl phthalate	0.72	U	0.72	LOD	0.91	LOQ	mg/kg	NP	ProfJudg
CAPROLACTAM	0.72	U	0.72	LOD	0.91	LOQ	mg/kg	NP	ProfJudg
CARBAZOLE	0.93		0.18	LOD	0.18	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	1.5		0.036	LOD	0.092	LOQ	mg/kg	NP	ProfJudg
DIBENZOFURAN	0.58		0.18	LOD	0.18	LOQ	mg/kg	NP	ProfJudg
DIETHYL PHTHALATE	0.72	U	0.72	LOD	0.91	LOQ	mg/kg	NP	ProfJudg
DIMETHYL PHTHALATE	0.72	U	0.72	LOD	0.91	LOQ	mg/kg	NP	ProfJudg
DI-N-BUTYL PHTHALATE	0.72	U	0.72	LOD	0.91	LOQ	mg/kg	NP	ProfJudg
DI-N-OCTYL PHTHALATE	0.72	U	0.72	LOD	0.91	LOQ	mg/kg	NP	ProfJudg
FLUORENE	1.2		0.036	LOD	0.092	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	5.2		0.036	LOD	0.092	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.62		0.036	LOD	0.092	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU06-S003-00-01 **Collected:** 6/12/2017 10:15:00 AM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.019	J	0.036	LOD	0.036	LOQ	mg/kg	J	RI

Sample ID: DU06-S003-00-01 **Collected:** 6/12/2017 10:15:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	8.6	E	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	4.6	E	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	6.7	E	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	9.3	E	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	7.3	E	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	11	E	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	8.7	E	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU06-S003-00-01 **Collected:** 6/12/2017 10:15:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
PYRENE	12	E	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU06-S003-01-10 **Collected:** 6/12/2017 10:30:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.004	J	0.007	LOD	0.018	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
2-METHYLNAPHTHALENE	0.007	J	0.007	LOD	0.018	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
ACENAPHTHENE	0.009	J	0.007	LOD	0.018	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
ACENAPHTHYLENE	0.014	J	0.007	LOD	0.018	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
ANTHRACENE	0.013	J	0.007	LOD	0.018	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
BENZ(A)ANTHRACENE	0.026		0.007	LOD	0.018	LOQ	mg/kg	NP	Fd, ProfJudg
Benzo (g,h,i) perylene	0.021		0.007	LOD	0.018	LOQ	mg/kg	NP	Fd, ProfJudg
BENZO(A)PYRENE	0.026		0.007	LOD	0.018	LOQ	mg/kg	NP	Fd, ProfJudg
BENZO(B)FLUORANTHENE	0.031		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.021		0.007	LOD	0.018	LOQ	mg/kg	NP	Fd, ProfJudg
CHRYSENE	0.023		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	J	0.007	LOD	0.018	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
FLUORANTHENE	0.057		0.007	LOD	0.018	LOQ	mg/kg	NP	Fd, ProfJudg
FLUORENE	0.008	J	0.007	LOD	0.018	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.018	J	0.007	LOD	0.018	LOQ	mg/kg	NP	Fd, ProfJudg
NAPHTHALENE	0.005	J	0.007	LOD	0.018	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
PHENANTHRENE	0.042		0.007	LOD	0.018	LOQ	mg/kg	NP	Fd, ProfJudg
PYRENE	0.049		0.007	LOD	0.018	LOQ	mg/kg	NP	Fd, ProfJudg

Sample ID: DU06-S003-01-10D **Collected:** 6/12/2017 10:30:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	Fd, ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	Fd, ProfJudg
ACENAPHTHENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
ACENAPHTHYLENE	0.006	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
ANTHRACENE	0.008	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU06-S003-01-10D **Collected:** 6/12/2017 10:30:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.018	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
Benzo (g,h,i) perylene	0.013	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
BENZO(A)PYRENE	0.019		0.007	LOD	0.019	LOQ	mg/kg	NP	Fd, ProfJudg
BENZO(B)FLUORANTHENE	0.026		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.011	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
CHRYSENE	0.018	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	Fd, ProfJudg
FLUORANTHENE	0.041		0.007	LOD	0.019	LOQ	mg/kg	NP	Fd, ProfJudg
FLUORENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.010	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	Fd, ProfJudg
PHENANTHRENE	0.027		0.007	LOD	0.019	LOQ	mg/kg	NP	Fd, ProfJudg
PYRENE	0.036		0.007	LOD	0.019	LOQ	mg/kg	NP	Fd, ProfJudg

Sample ID: DU06-S004-00-01 **Collected:** 6/12/2017 9:30:00 AM **Analysis Type:** Initial **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.13	J	0.19	LOD	0.19	LOQ	mg/kg	J	Rl

Sample ID: DU06-S004-01-10 **Collected:** 6/12/2017 10:00:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	1.1		0.007	LOD	0.018	LOQ	mg/kg	J+	Ms
FLUORANTHENE	2.5		0.007	LOD	0.018	LOQ	mg/kg	J+	Ms
PHENANTHRENE	1.8		0.007	LOD	0.018	LOQ	mg/kg	J+	Ms
PYRENE	2.0		0.007	LOD	0.018	LOQ	mg/kg	J+	Ms

Sample ID: DU06-S005-00-01 **Collected:** 6/12/2017 11:10:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.009	J	0.007	LOD	0.018	LOQ	mg/kg	NP	Rl, ProfJudg
2-METHYLNAPHTHALENE	0.010	J	0.007	LOD	0.018	LOQ	mg/kg	NP	Rl, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU06-S005-00-01 **Collected:** 6/12/2017 11:10:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.012	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
Benzo (g,h,i) perylene	0.010	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.014	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.020		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.011	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.013	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.004	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.020		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.01	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.008	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.011	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.020		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU06-S005-01-10 **Collected:** 6/12/2017 11:15:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	Fd, ProfJudg
BENZO(A)PYRENE	0.004	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.005	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.005	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, Fd, ProfJudg
CHRYSENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	Fd, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU06-S005-01-10 **Collected:** 6/12/2017 11:15:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORANTHENE	0.004	J	0.007	LOD	0.018	LOQ	mg/kg	NP	Rl, ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	Fd, ProfJudg
PYRENE	0.005	J	0.007	LOD	0.018	LOQ	mg/kg	NP	Rl, ProfJudg

Sample ID: DU06-S005-01-10D **Collected:** 6/12/2017 11:15:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.004	J	0.007	LOD	0.018	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
BENZO(A)PYRENE	0.004	J	0.007	LOD	0.018	LOQ	mg/kg	NP	Rl, ProfJudg
BENZO(B)FLUORANTHENE	0.005	J	0.007	LOD	0.018	LOQ	mg/kg	NP	Rl, ProfJudg
BENZO(K)FLUORANTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	Fd, ProfJudg
CHRYSENE	0.004	J	0.007	LOD	0.018	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.005	J	0.007	LOD	0.018	LOQ	mg/kg	NP	Rl, ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.004	J	0.007	LOD	0.018	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
PYRENE	0.005	J	0.007	LOD	0.018	LOQ	mg/kg	NP	Rl, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU06-S006-00-01 **Collected:** 6/12/2017 11:30:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.035	U	0.035	LOD	0.089	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.020	J	0.035	LOD	0.089	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHENE	0.035	U	0.035	LOD	0.089	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.020	J	0.035	LOD	0.089	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.021	J	0.035	LOD	0.089	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.079	J	0.035	LOD	0.089	LOQ	mg/kg	NP	RI, ProfJudg
Benzo (g,h,i) perylene	0.085	J	0.035	LOD	0.089	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.095		0.035	LOD	0.089	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.13		0.035	LOD	0.089	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.072	J	0.035	LOD	0.089	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.12		0.035	LOD	0.089	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.023	J	0.035	LOD	0.089	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.17		0.035	LOD	0.089	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.035	U	0.035	LOD	0.089	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.061	J	0.035	LOD	0.089	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.035	U	0.035	LOD	0.089	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.088	J	0.035	LOD	0.089	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.16		0.035	LOD	0.089	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU06-S006-01-10 **Collected:** 6/12/2017 11:35:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	Ms, ProfJudg
Benzo (g,h,i) perylene	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, Ms, Ms, ProfJudg
BENZO(A)PYRENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, Ms, Ms, ProfJudg
BENZO(B)FLUORANTHENE	0.007	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, Ms, Ms, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU06-S006-01-10 **Collected:** 6/12/2017 11:35:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(K)FLUORANTHENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Ms, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	0.15	U	0.15	LOD	0.19	LOQ	mg/kg	UJ	Ms
Butyl benzyl phthalate	0.15	U	0.15	LOD	0.18	LOQ	mg/kg	UJ	Ms
CHRYSENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Ms, Ms, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	Ms, ProfJudg
DI-N-BUTYL PHTHALATE	0.15	U	0.15	LOD	0.18	LOQ	mg/kg	UJ	Ms
FLUORANTHENE	0.006	J	0.007	LOD	0.019	LOQ	mg/kg	J	Rl, Ms, Ms
FLUORENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	Ms, ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.006	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Ms, Ms, ProfJudg

Sample ID: DU06-S007-00-01 **Collected:** 6/12/2017 12:05:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.060	J	0.037	LOD	0.095	LOQ	mg/kg	J	Rl
2-METHYLNAPHTHALENE	0.061	J	0.037	LOD	0.095	LOQ	mg/kg	J	Rl
DIBENZOFURAN	0.13	J	0.19	LOD	0.19	LOQ	mg/kg	J	Rl

Sample ID: DU06-S007-01-10 **Collected:** 6/12/2017 12:10:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.013	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
ACENAPHTHYLENE	0.039		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.058		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.24		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.15		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.23		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.30		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU06-S007-01-10 **Collected:** 6/12/2017 12:10:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(K)FLUORANTHENE	0.16		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.21		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.040		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.44		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.014	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.13		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.008	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.11		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.43		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU06-S008-01-10 **Collected:** 6/12/2017 12:25:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.11		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.055		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.059		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.040		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.13		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.33		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.30		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.37		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.46		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.22		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.32		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.068		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.65		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.091		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.26		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.063		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.34		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.67		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix: SOIL**

Sample ID: DU06-S009-00-01 **Collected:** 6/12/2017 2:05:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-Methylphenol (o-Cresol)	0.035	J	0.037	LOD	0.037	LOQ	mg/kg	J	RI

Sample ID: DU06-S009-00-01 **Collected:** 6/12/2017 2:05:00 PM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.034	J	0.037	LOD	0.037	LOQ	mg/kg	J	RI
BENZOIC ACID	0.54	J	0.55	LOD	0.55	LOQ	mg/kg	J	RI

Sample ID: DU06-S009-01-10 **Collected:** 6/12/2017 2:10:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.023		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.030		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.004	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
Benzo (g,h,i) perylene	0.006	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.006	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.008	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.007	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.008	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.007	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.023		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.015	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.008	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU06-S011-00-01 **Collected:** 6/12/2017 1:20:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-Methylphenol (o-Cresol)	0.027	J	0.037	LOD	0.037	LOQ	mg/kg	J	RI

Sample ID: DU06-S011-00-01 **Collected:** 6/12/2017 1:20:00 PM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.028	J	0.037	LOD	0.037	LOQ	mg/kg	J	RI

Sample ID: DU06-S011-00-01 **Collected:** 6/12/2017 1:20:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-CHLORONAPHTHALENE	0.012	J	0.015	LOD	0.036	LOQ	mg/kg	J	RI

Sample ID: DU06-S011-01-10 **Collected:** 6/12/2017 1:25:00 PM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.29	J	0.57	LOD	0.57	LOQ	mg/kg	J	RI, Fd

Sample ID: DU06-S011-01-10 **Collected:** 6/12/2017 1:25:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.095		0.008	LOD	0.019	LOQ	mg/kg	J	Fd
2-METHYLNAPHTHALENE	0.11		0.008	LOD	0.019	LOQ	mg/kg	J	Fd
ACENAPHTHENE	0.13		0.008	LOD	0.019	LOQ	mg/kg	J	Fd
ACENAPHTHYLENE	0.016	J	0.008	LOD	0.019	LOQ	mg/kg	J	RI, Fd
ANTHRACENE	0.34		0.008	LOD	0.019	LOQ	mg/kg	J	Fd
BENZ(A)ANTHRACENE	0.54		0.008	LOD	0.019	LOQ	mg/kg	J	Fd
BENZO(A)PYRENE	0.43		0.008	LOD	0.019	LOQ	mg/kg	J	Fd
BENZO(K)FLUORANTHENE	0.29		0.008	LOD	0.019	LOQ	mg/kg	J	Fd
CHRYSENE	0.47		0.008	LOD	0.019	LOQ	mg/kg	J	Fd
DIBENZO(A,H)ANTHRACENE	0.078		0.008	LOD	0.019	LOQ	mg/kg	J	Fd
DIBENZOFURAN	0.056		0.038	LOD	0.038	LOQ	mg/kg	J	Fd
FLUORENE	0.14		0.008	LOD	0.019	LOQ	mg/kg	J	Fd
NAPHTHALENE	0.069		0.008	LOD	0.019	LOQ	mg/kg	J	Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix: SOIL**

Sample ID: DU06-S011-01-10 **Collected:** 6/12/2017 1:25:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
PHENANTHRENE	1.0		0.008	LOD	0.019	LOQ	mg/kg	J	Fd
PYRENE	1.0		0.008	LOD	0.019	LOQ	mg/kg	J	Fd

Sample ID: DU06-S011-01-10D **Collected:** 6/12/2017 1:25:00 PM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.58	U	0.58	LOD	0.58	LOQ	mg/kg	UJ	Fd

Sample ID: DU06-S011-01-10D **Collected:** 6/12/2017 1:25:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.021		0.008	LOD	0.020	LOQ	mg/kg	J	Fd
2-METHYLNAPHTHALENE	0.019	J	0.008	LOD	0.020	LOQ	mg/kg	J	Rl, Fd
ACENAPHTHENE	0.095		0.008	LOD	0.020	LOQ	mg/kg	J	Fd
ACENAPHTHYLENE	0.006	J	0.008	LOD	0.020	LOQ	mg/kg	J	Rl, Fd
ANTHRACENE	0.19		0.008	LOD	0.020	LOQ	mg/kg	J	Fd
BENZ(A)ANTHRACENE	0.36		0.008	LOD	0.020	LOQ	mg/kg	J	Fd
BENZO(A)PYRENE	0.31		0.008	LOD	0.020	LOQ	mg/kg	J	Fd
BENZO(K)FLUORANTHENE	0.16		0.008	LOD	0.020	LOQ	mg/kg	J	Fd
CHRYSENE	0.31		0.008	LOD	0.020	LOQ	mg/kg	J	Fd
DIBENZO(A,H)ANTHRACENE	0.052		0.008	LOD	0.020	LOQ	mg/kg	J	Fd
DIBENZOFURAN	0.035	J	0.039	LOD	0.039	LOQ	mg/kg	J	Rl, Fd
FLUORENE	0.084		0.008	LOD	0.020	LOQ	mg/kg	J	Fd
NAPHTHALENE	0.016	J	0.008	LOD	0.020	LOQ	mg/kg	J	Rl, Fd
PHENANTHRENE	0.65		0.008	LOD	0.020	LOQ	mg/kg	J	Fd
PYRENE	0.72		0.008	LOD	0.020	LOQ	mg/kg	J	Fd

Sample ID: DU06-S012-00-01 **Collected:** 6/12/2017 12:55:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.060	J	0.036	LOD	0.093	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU06-S012-01-10 **Collected:** 6/12/2017 1:00:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.01	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
2-METHYLNAPHTHALENE	0.009	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHENE	0.053		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.008	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.13		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.28		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.13		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.25		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.32		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.18		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
CARBAZOLE	0.030	J	0.040	LOD	0.040	LOQ	mg/kg	J	RI
CHRYSENE	0.25		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.044		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.67		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.055		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.14		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.009	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.45		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.52		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU06-S014-01-10 **Collected:** 6/12/2017 3:05:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.051		0.008	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.056		0.008	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.023		0.008	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.008	U	0.008	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.036		0.008	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.061		0.008	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.037		0.008	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.059		0.008	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.065		0.008	LOD	0.022	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU06-S014-01-10 **Collected:** 6/12/2017 3:05:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(K)FLUORANTHENE	0.032		0.008	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.064		0.008	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.012	J	0.008	LOD	0.022	LOQ	mg/kg	NP	Rl, ProfJudg
DIBENZOFURAN	0.030	J	0.042	LOD	0.042	LOQ	mg/kg	J	Rl
FLUORANTHENE	0.12		0.008	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.028		0.008	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.031		0.008	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.066		0.008	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.12		0.008	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.11		0.008	LOD	0.022	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU06-S015-00-01 **Collected:** 6/12/2017 3:20:00 PM **Analysis Type:** Initial-ACID **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	2.5	J	3.3	LOD	3.3	LOQ	mg/kg	J	Rl

Sample ID: DU06-S015-00-01 **Collected:** 6/12/2017 3:20:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-CHLORONAPHTHALENE	0.10	J	0.087	LOD	0.21	LOQ	mg/kg	J	Rl
BENZ(A)ANTHRACENE	0.10	J	0.043	LOD	0.11	LOQ	mg/kg	J	Rl
Benzo (g,h,i) perylene	0.061	J	0.043	LOD	0.11	LOQ	mg/kg	J	Rl
BENZO(A)PYRENE	0.044	J	0.043	LOD	0.11	LOQ	mg/kg	J	Rl
BENZO(K)FLUORANTHENE	0.040	J	0.043	LOD	0.11	LOQ	mg/kg	J	Rl
INDENO(1,2,3-CD)PYRENE	0.027	J	0.043	LOD	0.11	LOQ	mg/kg	J	Rl

Sample ID: DU06-S015-01-10 **Collected:** 6/12/2017 3:25:00 PM **Analysis Type:** Dilution-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.27		0.11	LOD	0.11	LOQ	mg/kg	NP	ProfJudg
2-Methylphenol (o-Cresol)	0.11	U	0.11	LOD	0.11	LOQ	mg/kg	NP	ProfJudg
4-Chloroaniline [p-Chloroaniline]	0.21	U	0.21	LOD	0.21	LOQ	mg/kg	NP	Ms, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **SOIL**

Sample ID: **DU06-S015-01-10** ***Collected:*** **6/12/2017 3:25:00 PM** ***Analysis Type:*** **Dilution-01-ACID** ***Dilution:*** **2**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
3/4-Methylphenol [m/p-Cresol]	0.11	U	0.11	LOD	0.11	LOQ	mg/kg	NP	ProfJudg
4-CHLORO-3-METHYLPHENOL	0.11	U	0.11	LOD	0.11	LOQ	mg/kg	NP	ProfJudg
BENZOIC ACID	1.6	U	1.6	LOD	1.6	LOQ	mg/kg	NP	ProfJudg

Sample ID: **DU06-S015-01-10** ***Collected:*** **6/12/2017 3:25:00 PM** ***Analysis Type:*** **Dilution-01-BASE/ NEUTRAL** ***Dilution:*** **2**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1,4-DICHLOROBENZENE	0.11	U	0.11	LOD	0.11	LOQ	mg/kg	NP	ProfJudg
1-METHYLNAPHTHALENE	0.77		0.021	LOD	0.054	LOQ	mg/kg	NP	ProfJudg
2-CHLORONAPHTHALENE	0.043	U	0.043	LOD	0.11	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	1.3		0.021	LOD	0.054	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	2.0		0.021	LOD	0.054	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.43		0.021	LOD	0.054	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	2.6		0.021	LOD	0.054	LOQ	mg/kg	NP	Ms, Ms, ProfJudg
BENZ(A)ANTHRACENE	2.2		0.021	LOD	0.054	LOQ	mg/kg	NP	Ms, ProfJudg
BENZALDEHYDE	0.43	U	0.43	LOD	0.53	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.51		0.021	LOD	0.054	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	1.2		0.021	LOD	0.054	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	2.2		0.021	LOD	0.054	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.97		0.021	LOD	0.054	LOQ	mg/kg	NP	ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	0.43	U	0.43	LOD	0.54	LOQ	mg/kg	NP	ProfJudg
Butyl benzyl phthalate	0.43	U	0.43	LOD	0.53	LOQ	mg/kg	NP	ProfJudg
CAPROLACTAM	0.43	U	0.43	LOD	0.53	LOQ	mg/kg	NP	Ms, ProfJudg
CARBAZOLE	0.73		0.11	LOD	0.11	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	2.2		0.021	LOD	0.054	LOQ	mg/kg	NP	Ms, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.18		0.021	LOD	0.054	LOQ	mg/kg	NP	ProfJudg
DIBENZOFURAN	1.8		0.11	LOD	0.11	LOQ	mg/kg	NP	ProfJudg
DIETHYL PHTHALATE	0.43	U	0.43	LOD	0.53	LOQ	mg/kg	NP	ProfJudg
DIMETHYL PHTHALATE	0.43	U	0.43	LOD	0.53	LOQ	mg/kg	NP	ProfJudg
DI-N-BUTYL PHTHALATE	0.43	U	0.43	LOD	0.53	LOQ	mg/kg	NP	ProfJudg
DI-N-OCTYL PHTHALATE	0.43	U	0.43	LOD	0.53	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	7.5		0.021	LOD	0.054	LOQ	mg/kg	J	Ms, Ms

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU06-S015-01-10 **Collected:** 6/12/2017 3:25:00 PM **Analysis Type:** Dilution-01-BASE/NEUTRAL **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORENE	2.3		0.021	LOD	0.054	LOQ	mg/kg	NP	Ms, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.55		0.021	LOD	0.054	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	1.2		0.021	LOD	0.054	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	7.3		0.021	LOD	0.054	LOQ	mg/kg	J	Ms, Ms
PYRENE	5.7		0.021	LOD	0.054	LOQ	mg/kg	NP	Ms, Ms, ProfJudg

Sample ID: DU06-S015-01-10 **Collected:** 6/12/2017 3:25:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
4-Chloroaniline [p-Chloroaniline]	0.11	U	0.11	LOD	0.11	LOQ	mg/kg	UJ	Ms

Sample ID: DU06-S015-01-10 **Collected:** 6/12/2017 3:25:00 PM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.031	J	0.053	LOD	0.053	LOQ	mg/kg	J	RI
BENZOIC ACID	0.29	J	0.80	LOD	0.80	LOQ	mg/kg	J	RI

Sample ID: DU06-S015-01-10 **Collected:** 6/12/2017 3:25:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	2.5		0.011	LOD	0.027	LOQ	mg/kg	J	Ms, Ms
BENZ(A)ANTHRACENE	2.1		0.011	LOD	0.027	LOQ	mg/kg	J	Ms
CAPROLACTAM	0.057	J	0.21	LOD	0.27	LOQ	mg/kg	J	RI, Ms, Ms
CHRYSENE	2.2		0.011	LOD	0.027	LOQ	mg/kg	J	Ms
FLUORANTHENE	7.0	E	0.011	LOD	0.027	LOQ	mg/kg	NP	Ms, Ms, ProfJudg
FLUORENE	2.2		0.011	LOD	0.027	LOQ	mg/kg	J-	Ms
PHENANTHRENE	6.9	E	0.011	LOD	0.027	LOQ	mg/kg	NP	Ms, Ms, ProfJudg
PYRENE	5.4		0.011	LOD	0.027	LOQ	mg/kg	J	Ms, Ms

Sample ID: DU06-S016-00-01 **Collected:** 6/12/2017 3:35:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.021	J	0.035	LOD	0.035	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU06-S016-00-01 **Collected:** 6/12/2017 3:35:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.16		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.19		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.013	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHYLENE	0.008	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.021		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.078		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.059		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.081		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.13		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.049		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.098		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.019		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.17		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.011	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.051		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.14		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.14		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.15		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU06-S016-01-10 **Collected:** 6/12/2017 3:40:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.017	J	0.008	LOD	0.020	LOQ	mg/kg	J	RI
2-METHYLNAPHTHALENE	0.011	J	0.008	LOD	0.020	LOQ	mg/kg	J	RI
ACENAPHTHYLENE	0.012	J	0.008	LOD	0.020	LOQ	mg/kg	J	RI
DIBENZO(A,H)ANTHRACENE	0.012	J	0.008	LOD	0.020	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU06-S001-01-10 **Collected:** 6/12/2017 11:20:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 10

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.026		0.015	LOD	0.018	LOQ	mg/kg	J	Fd
2-METHYLNAPHTHALENE	0.024		0.015	LOD	0.018	LOQ	mg/kg	J	Fd
ACENAPHTHENE	0.18		0.015	LOD	0.018	LOQ	mg/kg	J	Fd
ACENAPHTHYLENE	0.0055	J	0.015	LOD	0.018	LOQ	mg/kg	J	Rl, Fd
ANTHRACENE	0.46		0.015	LOD	0.018	LOQ	mg/kg	J	Fd
BENZ(A)ANTHRACENE	0.63		0.015	LOD	0.018	LOQ	mg/kg	J	Fd
BENZO(A)PYRENE	0.48		0.015	LOD	0.018	LOQ	mg/kg	J	Fd
BENZO(B)FLUORANTHENE	0.73		0.015	LOD	0.018	LOQ	mg/kg	J	Fd
BENZO(G,H,I)PERYLENE	0.11		0.015	LOD	0.018	LOQ	mg/kg	J	Fd
BENZO(K)FLUORANTHENE	0.29		0.015	LOD	0.018	LOQ	mg/kg	J	Fd
CHRYSENE	0.51		0.015	LOD	0.018	LOQ	mg/kg	J	Fd
DIBENZO(A,H)ANTHRACENE	0.048		0.015	LOD	0.018	LOQ	mg/kg	J	Fd
FLUORANTHENE	1.5		0.015	LOD	0.018	LOQ	mg/kg	J	Fd
FLUORENE	0.20		0.015	LOD	0.018	LOQ	mg/kg	J	Fd
INDENO(1,2,3-CD)PYRENE	0.14		0.015	LOD	0.018	LOQ	mg/kg	J	Fd
NAPHTHALENE	0.010	J	0.015	LOD	0.018	LOQ	mg/kg	J	Rl, Fd
PHENANTHRENE	1.5		0.015	LOD	0.018	LOQ	mg/kg	J	Fd
PYRENE	1.1		0.015	LOD	0.018	LOQ	mg/kg	J	Fd

Sample ID: DU06-S001-01-10D **Collected:** 6/12/2017 11:20:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0014	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl, Fd
2-METHYLNAPHTHALENE	0.0016	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl, Fd
ACENAPHTHENE	0.0061		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd
ACENAPHTHYLENE	0.00049	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl, Fd
ANTHRACENE	0.017		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd
BENZ(A)ANTHRACENE	0.052		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd
BENZO(A)PYRENE	0.041		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd
BENZO(B)FLUORANTHENE	0.052		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd
BENZO(G,H,I)PERYLENE	0.018		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd
BENZO(K)FLUORANTHENE	0.022		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU06-S001-01-10D **Collected:** 6/12/2017 11:20:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.043		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd
DIBENZO(A,H)ANTHRACENE	0.0067		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd
FLUORANTHENE	0.10		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd
FLUORENE	0.0052		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd
INDENO(1,2,3-CD)PYRENE	0.020		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd
NAPHTHALENE	0.0012	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl, Fd
PHENANTHRENE	0.065		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd
PYRENE	0.080		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd

Sample ID: DU06-S002-00-01 **Collected:** 6/12/2017 10:40:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.0010	J	0.0014	LOD	0.0017	LOQ	mg/kg	J	Rl
FLUORENE	0.0010	J	0.0014	LOD	0.0017	LOQ	mg/kg	J	Rl

Sample ID: DU06-S002-01-10 **Collected:** 6/12/2017 10:50:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0017	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Rl
ACENAPHTHYLENE	0.00059	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Rl
BENZO(G,H,I)PERYLENE	0.0041		0.0015	LOD	0.0019	LOQ	mg/kg	J-	Ms
DIBENZO(A,H)ANTHRACENE	0.0016	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Rl
FLUORANTHENE	0.039		0.0015	LOD	0.0019	LOQ	mg/kg	J-	Ms
INDENO(1,2,3-CD)PYRENE	0.0048		0.0015	LOD	0.0019	LOQ	mg/kg	J-	Ms
NAPHTHALENE	0.0016	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Rl
PYRENE	0.032		0.0015	LOD	0.0019	LOQ	mg/kg	J-	Ms

Sample ID: DU06-S003-01-10 **Collected:** 6/12/2017 10:30:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0034		0.0014	LOD	0.0018	LOQ	mg/kg	J	Fd
2-METHYLNAPHTHALENE	0.0069		0.0014	LOD	0.0018	LOQ	mg/kg	J	Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU06-S003-01-10 **Collected:** 6/12/2017 10:30:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.0066		0.0014	LOD	0.0018	LOQ	mg/kg	J	Fd
ACENAPHTHYLENE	0.00077	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	Rl
ANTHRACENE	0.011		0.0014	LOD	0.0018	LOQ	mg/kg	J	Fd
BENZ(A)ANTHRACENE	0.028		0.0014	LOD	0.0018	LOQ	mg/kg	J	Fd
BENZO(A)PYRENE	0.025		0.0014	LOD	0.0018	LOQ	mg/kg	J	Fd
BENZO(B)FLUORANTHENE	0.031		0.0014	LOD	0.0018	LOQ	mg/kg	J	Fd
BENZO(K)FLUORANTHENE	0.012		0.0014	LOD	0.0018	LOQ	mg/kg	J	Fd
CHRYSENE	0.023		0.0014	LOD	0.0018	LOQ	mg/kg	J	Fd
DIBENZO(A,H)ANTHRACENE	0.0041		0.0014	LOD	0.0018	LOQ	mg/kg	J	Fd
FLUORENE	0.0052		0.0014	LOD	0.0018	LOQ	mg/kg	J	Fd
INDENO(1,2,3-CD)PYRENE	0.014		0.0014	LOD	0.0018	LOQ	mg/kg	J	Fd
NAPHTHALENE	0.0046		0.0014	LOD	0.0018	LOQ	mg/kg	J	Fd
PHENANTHRENE	0.041		0.0014	LOD	0.0018	LOQ	mg/kg	J	Fd
PYRENE	0.043		0.0014	LOD	0.0018	LOQ	mg/kg	J	Fd

Sample ID: DU06-S003-01-10D **Collected:** 6/12/2017 10:30:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	Fd
2-METHYLNAPHTHALENE	0.00089	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl, Fd
ACENAPHTHENE	0.0037		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd
ACENAPHTHYLENE	0.00059	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl
ANTHRACENE	0.0072		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd
BENZ(A)ANTHRACENE	0.020		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd
BENZO(A)PYRENE	0.018		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd
BENZO(B)FLUORANTHENE	0.022		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd
BENZO(K)FLUORANTHENE	0.0082		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd
CHRYSENE	0.016		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd
DIBENZO(A,H)ANTHRACENE	0.0030		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd
FLUORENE	0.0030		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd
INDENO(1,2,3-CD)PYRENE	0.010		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd
NAPHTHALENE	0.0018	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU06-S003-01-10D **Collected:** 6/12/2017 10:30:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
PHENANTHRENE	0.026		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd
PYRENE	0.031		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd

Sample ID: DU06-S005-00-01 **Collected:** 6/12/2017 11:10:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.00078	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI
ACENAPHTHYLENE	0.00068	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI
ANTHRACENE	0.0013	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI
FLUORENE	0.00072	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI

Sample ID: DU06-S005-01-10 **Collected:** 6/12/2017 11:15:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.00084	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI
ANTHRACENE	0.00037	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI, Fd
BENZ(A)ANTHRACENE	0.0014	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI, Fd
BENZO(A)PYRENE	0.0015	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI, Fd
BENZO(B)FLUORANTHENE	0.0021		0.0014	LOD	0.0018	LOQ	mg/kg	J	Fd
BENZO(K)FLUORANTHENE	0.00092	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI, Fd
CHRYSENE	0.0013	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI, Fd
FLUORANTHENE	0.0025		0.0014	LOD	0.0018	LOQ	mg/kg	J	Fd
INDENO(1,2,3-CD)PYRENE	0.0014	U	0.0014	LOD	0.0018	LOQ	mg/kg	UJ	Fd
NAPHTHALENE	0.0015	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI, Fd
PHENANTHRENE	0.0017	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI, Fd
PYRENE	0.0020		0.0014	LOD	0.0018	LOQ	mg/kg	J	Fd

Sample ID: DU06-S005-01-10D **Collected:** 6/12/2017 11:15:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.00090	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI
ANTHRACENE	0.00077	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI, Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU06-S005-01-10D **Collected:** 6/12/2017 11:15:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.0026		0.0014	LOD	0.0018	LOQ	mg/kg	J	Fd
BENZO(A)PYRENE	0.0026		0.0014	LOD	0.0018	LOQ	mg/kg	J	Fd
BENZO(B)FLUORANTHENE	0.0042		0.0014	LOD	0.0018	LOQ	mg/kg	J	Fd
BENZO(K)FLUORANTHENE	0.0014	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	Rl, Fd
CHRYSENE	0.0023		0.0014	LOD	0.0018	LOQ	mg/kg	J	Fd
FLUORANTHENE	0.0048		0.0014	LOD	0.0018	LOQ	mg/kg	J	Fd
INDENO(1,2,3-CD)PYRENE	0.00078	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	Rl, Fd
NAPHTHALENE	0.00092	J	0.0014	LOD	0.0018	LOQ	mg/kg	UJ	Eb, Fd
PHENANTHRENE	0.0034		0.0014	LOD	0.0018	LOQ	mg/kg	J	Fd
PYRENE	0.0039		0.0014	LOD	0.0018	LOQ	mg/kg	J	Fd

Sample ID: DU06-S006-00-01 **Collected:** 6/12/2017 11:30:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 10

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.013	J	0.014	LOD	0.017	LOQ	mg/kg	J	Rl
ACENAPHTHENE	0.0070	J	0.014	LOD	0.017	LOQ	mg/kg	J	Rl
ACENAPHTHYLENE	0.0045	J	0.014	LOD	0.017	LOQ	mg/kg	J	Rl
ANTHRACENE	0.015	J	0.014	LOD	0.017	LOQ	mg/kg	J	Rl
DIBENZO(A,H)ANTHRACENE	0.011	J	0.014	LOD	0.017	LOQ	mg/kg	J	Rl
NAPHTHALENE	0.012	J	0.014	LOD	0.017	LOQ	mg/kg	J	Rl

Sample ID: DU06-S006-01-10 **Collected:** 6/12/2017 11:35:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.00058	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl
BENZO(G,H,I)PERYLENE	0.0017	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl
BENZO(K)FLUORANTHENE	0.0015	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl
INDENO(1,2,3-CD)PYRENE	0.0017	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl
NAPHTHALENE	0.0017	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU06-S007-01-10 **Collected:** 6/12/2017 12:10:00 PM **Analysis Type:** Dilution-01-BASE/ NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0050	J	0.0073	LOD	0.0091	LOQ	mg/kg	NP	Rl, ProfJudg
2-METHYLNAPHTHALENE	0.0089	J	0.0073	LOD	0.0091	LOQ	mg/kg	NP	Rl, ProfJudg
ACENAPHTHENE	0.019		0.0073	LOD	0.0091	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.024		0.0073	LOD	0.0091	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.059		0.0073	LOD	0.0091	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.25		0.0073	LOD	0.0091	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.22		0.0073	LOD	0.0091	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.13		0.0073	LOD	0.0091	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.11		0.0073	LOD	0.0091	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.20		0.0073	LOD	0.0091	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.037		0.0073	LOD	0.0091	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.017		0.0073	LOD	0.0091	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.12		0.0073	LOD	0.0091	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.015		0.0073	LOD	0.0091	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.11		0.0073	LOD	0.0091	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU06-S007-01-10 **Collected:** 6/12/2017 12:10:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0014	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl
BENZO(B)FLUORANTHENE	0.40	E	0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.42	E	0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.42	E	0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU06-S008-01-10 **Collected:** 6/12/2017 12:25:00 PM **Analysis Type:** Dilution-01-BASE/ NEUTRAL **Dilution:** 10

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.094		0.015	LOD	0.019	LOQ	mg/kg	NP	Ms, Ms, Ms, ProfJudg
2-METHYLNAPHTHALENE	0.051		0.015	LOD	0.019	LOQ	mg/kg	NP	Ms, Ms, ProfJudg
ACENAPHTHENE	0.043		0.015	LOD	0.019	LOQ	mg/kg	NP	Ms, Ms, Ms, ProfJudg
ACENAPHTHYLENE	0.024		0.015	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **SOIL**

Sample ID: **DU06-S008-01-10** ***Collected:*** **6/12/2017 12:25:00 PM** ***Analysis Type:*** **Dilution-01-BASE/ NEUTRAL** ***Dilution:*** **10**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
ANTHRACENE	0.074		0.015	LOD	0.019	LOQ	mg/kg	NP	Ms, Ms, Ms, ProfJudg
BENZ(A)ANTHRACENE	0.28		0.015	LOD	0.019	LOQ	mg/kg	NP	Ms, Ms, Ms, ProfJudg
BENZO(A)PYRENE	0.31		0.015	LOD	0.019	LOQ	mg/kg	NP	Ms, Ms, Ms, ProfJudg
BENZO(B)FLUORANTHENE	0.42		0.015	LOD	0.019	LOQ	mg/kg	J	Ms, Ms, Ms
BENZO(G,H,I)PERYLENE	0.27		0.015	LOD	0.019	LOQ	mg/kg	NP	Ms, Ms, Ms, ProfJudg
BENZO(K)FLUORANTHENE	0.17		0.015	LOD	0.019	LOQ	mg/kg	NP	Ms, Ms, Ms, ProfJudg
CHRYSENE	0.31		0.015	LOD	0.019	LOQ	mg/kg	NP	Ms, Ms, Ms, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.067		0.015	LOD	0.019	LOQ	mg/kg	NP	Ms, Ms, ProfJudg
FLUORANTHENE	0.52		0.015	LOD	0.019	LOQ	mg/kg	J	Ms, Ms, Ms
FLUORENE	0.072		0.015	LOD	0.019	LOQ	mg/kg	NP	Ms, Ms, Ms, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.23		0.015	LOD	0.019	LOQ	mg/kg	NP	Ms, Ms, Ms, ProfJudg
NAPHTHALENE	0.058		0.015	LOD	0.019	LOQ	mg/kg	NP	Ms, Ms, ProfJudg
PHENANTHRENE	0.30		0.015	LOD	0.019	LOQ	mg/kg	NP	Ms, Ms, Ms, ProfJudg
PYRENE	0.61		0.015	LOD	0.019	LOQ	mg/kg	J	Ms, Ms, Ms

Sample ID: **DU06-S008-01-10** ***Collected:*** **6/12/2017 12:25:00 PM** ***Analysis Type:*** **Initial-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.071		0.0015	LOD	0.0019	LOQ	mg/kg	J	Ms, Ms, Ms
2-METHYLNAPHTHALENE	0.035		0.0015	LOD	0.0019	LOQ	mg/kg	J	Ms, Ms
ACENAPHTHENE	0.028		0.0015	LOD	0.0019	LOQ	mg/kg	J	Ms, Ms, Ms
ANTHRACENE	0.079		0.0015	LOD	0.0019	LOQ	mg/kg	J	Ms, Ms, Ms
BENZ(A)ANTHRACENE	0.25		0.0015	LOD	0.0019	LOQ	mg/kg	J	Ms, Ms, Ms
BENZO(A)PYRENE	0.28		0.0015	LOD	0.0019	LOQ	mg/kg	J	Ms, Ms, Ms
BENZO(B)FLUORANTHENE	0.43	E	0.0015	LOD	0.0019	LOQ	mg/kg	NP	Ms, Ms, Ms, ProfJudg
BENZO(G,H,I)PERYLENE	0.11		0.0015	LOD	0.0019	LOQ	mg/kg	J	Ms, Ms, Ms
BENZO(K)FLUORANTHENE	0.17		0.0015	LOD	0.0019	LOQ	mg/kg	J	Ms, Ms, Ms
CHRYSENE	0.24		0.0015	LOD	0.0019	LOQ	mg/kg	J	Ms, Ms, Ms
DIBENZO(A,H)ANTHRACENE	0.034		0.0015	LOD	0.0019	LOQ	mg/kg	J	Ms, Ms

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **SOIL**

Sample ID: **DU06-S008-01-10** ***Collected:*** **6/12/2017 12:25:00 PM** ***Analysis Type:*** **Initial-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORANTHENE	0.51	E	0.0015	LOD	0.0019	LOQ	mg/kg	NP	Ms, Ms, Ms, ProfJudg
FLUORENE	0.054		0.0015	LOD	0.0019	LOQ	mg/kg	J	Ms, Ms, Ms
INDENO(1,2,3-CD)PYRENE	0.11		0.0015	LOD	0.0019	LOQ	mg/kg	J	Ms, Ms, Ms
NAPHTHALENE	0.043		0.0015	LOD	0.0019	LOQ	mg/kg	J	Ms, Ms
PHENANTHRENE	0.26		0.0015	LOD	0.0019	LOQ	mg/kg	J	Ms, Ms, Ms
PYRENE	0.54	E	0.0015	LOD	0.0019	LOQ	mg/kg	NP	Ms, Ms, Ms, ProfJudg

Sample ID: **DU06-S009-01-10** ***Collected:*** **6/12/2017 2:10:00 PM** ***Analysis Type:*** **Initial-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.021		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.030		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.00082	J	0.0016	LOD	0.0020	LOQ	mg/kg	NP	Rl, ProfJudg
ACENAPHTHYLENE	0.00052	J	0.0016	LOD	0.0020	LOQ	mg/kg	NP	Rl, ProfJudg
ANTHRACENE	0.00060	J	0.0016	LOD	0.0020	LOQ	mg/kg	NP	Rl, ProfJudg
BENZ(A)ANTHRACENE	0.0025		0.0016	LOD	0.0020	LOQ	mg/kg	NP	Mb, ProfJudg
BENZO(A)PYRENE	0.0023		0.0016	LOD	0.0020	LOQ	mg/kg	NP	Mb, ProfJudg
BENZO(B)FLUORANTHENE	0.0045		0.0016	LOD	0.0020	LOQ	mg/kg	NP	Mb, ProfJudg
BENZO(G,H,I)PERYLENE	0.0012	J	0.0016	LOD	0.0020	LOQ	mg/kg	NP	Mb, ProfJudg
BENZO(K)FLUORANTHENE	0.0020		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.0039		0.0016	LOD	0.0020	LOQ	mg/kg	NP	Mb, ProfJudg
FLUORANTHENE	0.0053		0.0016	LOD	0.0020	LOQ	mg/kg	NP	Mb, ProfJudg
FLUORENE	0.0019	J	0.0016	LOD	0.0020	LOQ	mg/kg	NP	Rl, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.0011	J	0.0016	LOD	0.0020	LOQ	mg/kg	NP	Rl, ProfJudg
NAPHTHALENE	0.021		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.014		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.0049		0.0016	LOD	0.0020	LOQ	mg/kg	NP	Mb, ProfJudg

Sample ID: **DU06-S009-01-10-X** ***Collected:*** **6/12/2017 2:10:00 PM** ***Analysis Type:*** **Reanalysis-01-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.017		0.0016	LOD	0.0020	LOQ	mg/kg	J-	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **SOIL**

Sample ID: **DU06-S009-01-10-X** ***Collected:*** **6/12/2017 2:10:00 PM** ***Analysis Type:*** **Reanalysis-01-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
2-METHYLNAPHTHALENE	0.026		0.0016	LOD	0.0020	LOQ	mg/kg	J-	StoE
ACENAPHTHENE	0.0015	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI, StoE
ACENAPHTHYLENE	0.00055	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI, StoE
ANTHRACENE	0.00082	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI, StoE
BENZ(A)ANTHRACENE	0.0027		0.0016	LOD	0.0020	LOQ	mg/kg	J-	StoE
BENZO(A)PYRENE	0.0021		0.0016	LOD	0.0020	LOQ	mg/kg	J-	StoE
BENZO(B)FLUORANTHENE	0.0037		0.0016	LOD	0.0020	LOQ	mg/kg	J-	StoE
BENZO(G,H,I)PERYLENE	0.0014	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI, StoE
BENZO(K)FLUORANTHENE	0.0011	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI, StoE
CHRYSENE	0.0034		0.0016	LOD	0.0020	LOQ	mg/kg	J-	StoE
DIBENZO(A,H)ANTHRACENE	0.0016	U	0.0016	LOD	0.0020	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORANTHENE	0.0049		0.0016	LOD	0.0020	LOQ	mg/kg	J-	StoE
FLUORENE	0.0018	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI, StoE
INDENO(1,2,3-CD)PYRENE	0.0013	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI, StoE
NAPHTHALENE	0.026		0.0016	LOD	0.0020	LOQ	mg/kg	J-	StoE
PHENANTHRENE	0.0097		0.0016	LOD	0.0020	LOQ	mg/kg	J-	StoE
PYRENE	0.0044		0.0016	LOD	0.0020	LOQ	mg/kg	J-	StoE

Sample ID: **DU06-S012-01-10** ***Collected:*** **6/12/2017 1:00:00 PM** ***Analysis Type:*** **Dilution-01-BASE/ NEUTRAL** ***Dilution:*** **10**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.011	J	0.016	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
2-METHYLNAPHTHALENE	0.011	J	0.016	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHENE	0.059		0.016	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.016	U	0.016	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.13		0.016	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.32		0.016	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.26		0.016	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.34		0.016	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.11		0.016	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.13		0.016	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.25		0.016	LOD	0.020	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU06-S012-01-10 **Collected:** 6/12/2017 1:00:00 PM **Analysis Type:** Dilution-01-BASE/ NEUTRAL **Dilution:** 10

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DIBENZO(A,H)ANTHRACENE	0.040		0.016	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.052		0.016	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.12		0.016	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.011	J	0.016	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: DU06-S012-01-10 **Collected:** 6/12/2017 1:00:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.0019	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI
FLUORANTHENE	0.54	E	0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.43	E	0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.41	E	0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU06-S014-01-10 **Collected:** 6/12/2017 3:05:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.00071	J	0.0017	LOD	0.0021	LOQ	mg/kg	J	RI

Sample ID: DU06-S016-00-01 **Collected:** 6/12/2017 3:35:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.16		0.0014	LOD	0.0017	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21		0.0014	LOD	0.0017	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.0073		0.0014	LOD	0.0017	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.0042		0.0014	LOD	0.0017	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.015		0.0014	LOD	0.0017	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.075		0.0014	LOD	0.0017	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.077		0.0014	LOD	0.0017	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.15		0.0014	LOD	0.0017	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.019		0.0014	LOD	0.0017	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.072		0.0014	LOD	0.0017	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.090		0.0014	LOD	0.0017	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **SOIL**

Sample ID: **DU06-S016-00-01** ***Collected:*** **6/12/2017 3:35:00 PM** ***Analysis Type:*** **Reanalysis-01-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
DIBENZO(A,H)ANTHRACENE	0.0078		0.0014	LOD	0.0017	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.15		0.0014	LOD	0.0017	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.0076		0.0014	LOD	0.0017	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.022		0.0014	LOD	0.0017	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.14		0.0014	LOD	0.0017	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.14		0.0014	LOD	0.0017	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.22		0.0014	LOD	0.0017	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Reason Code Legend

Reason Code	*Description*
Eb	Equipment Blank Contamination
Fd	Field Duplicate Precision
Lcs	Laboratory Control Spike Upper Estimation
Ld	Laboratory Duplicate Precision
Mb	Method Blank Contamination
Ms	Matrix Spike Lower Estimation
Ms	Matrix Spike Precision
Ms	Matrix Spike Upper Estimation
ProfJudg	Professional Judgment
Rl	Reporting Limit Trace Value
StoA	Sampling to Analysis Estimation
StoE	Sampling to Extraction Rejection

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

QC Outlier Report: HoldingTimes

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D SIM **Preparation Method: SW3546**

Matrix: SOIL

Sample ID	Type	Actual	Criteria	Units	Flag
DU06-S009-01-10MS (Initial)	Sampling To Extraction	37.00	14.00	DAYS	J- (all detects)
DU06-S009-01-10MSD (Initial)		37.00	14.00	DAYS	R (all non-detects)
DU06-S009-01-10-X (Reanalysis-01)		37.00	14.00	DAYS	

Method: D1498 **Preparation Method: SW3546**

Matrix: SOIL

Sample ID	Type	Actual	Criteria	Units	Flag
DU06-S001-00-01 (Initial)	Sampling To Analysis	15.00	14.00	DAYS	J-(all detects)
DU06-S011-01-10 (Initial)		15.00	14.00	DAYS	UJ(all non-detects)
DU06-S011-01-10D (Initial)		15.00	14.00	DAYS	

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SOIL

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
DU06-S006-01-10MSD (Wet) (DU06-S006-01-10)	BARIUM	-	138	86.00-116.00	-	BARIUM	J+ (all detects)

Method: 8270D
Matrix: SOIL

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
DU06-S006-01-10MSD (DU06-S006-01-10)	1,1-BIPHENYL	-	-	40.00-117.00	23 (20.00)	1,1-BIPHENYL	J(all detects)
	1-METHYLNAPHTHALENE	-	-	40.00-119.00	21 (20.00)	1-METHYLNAPHTHALENE	
	2-CHLORONAPHTHALENE	-	-	41.00-114.00	24 (20.00)	2-CHLORONAPHTHALENE	
	2-Methylphenol (o-Cresol)	-	-	32.00-122.00	30 (20.00)	2-Methylphenol (o-Cresol)	
	3/4-Methylphenol [m/p-Cresol]	-	-	42.00-126.00	34 (20.00)	3/4-Methylphenol [m/p-Cresol]	
	4-CHLORO-3-METHYLPHENOL	-	-	45.00-122.00	41 (20.00)	4-CHLORO-3-METHYLPHENOL	
	4-Chloroaniline [p-Chloroaniline]	-	-	17.00-106.00	49 (20.00)	4-Chloroaniline [p-Chloroaniline]	
	ACENAPHTHENE	-	-	40.00-123.00	27 (20.00)	ACENAPHTHENE	
	ACENAPHTHYLENE	-	-	32.00-132.00	31 (20.00)	ACENAPHTHYLENE	
	ANTHRACENE	-	-	47.00-123.00	54 (20.00)	ANTHRACENE	
	BENZO(K)FLUORANTHENE	-	-	47.00-132.00	74 (20.00)	BENZO(K)FLUORANTHENE	
	BENZOIC ACID	-	-	16.00-125.00	65 (30.00)	BENZOIC ACID	
	CAPROLACTAM	-	-	46.00-117.00	44 (20.00)	CAPROLACTAM	
	CARBAZOLE	-	-	50.00-123.00	61 (20.00)	CARBAZOLE	
	DIBENZOFURAN	-	-	44.00-120.00	31 (20.00)	DIBENZOFURAN	
	DIETHYL PHTHALATE	-	-	50.00-124.00	41 (20.00)	DIETHYL PHTHALATE	
	DIMETHYL PHTHALATE	-	-	48.00-124.00	40 (20.00)	DIMETHYL PHTHALATE	
	DI-N-OCTYL PHTHALATE	-	-	45.00-140.00	72 (20.00)	DI-N-OCTYL PHTHALATE	
	FLUORENE	-	-	43.00-125.00	36 (20.00)	FLUORENE	
	PHENANTHRENE	-	-	50.00-121.00	52 (20.00)	PHENANTHRENE	
DU06-S006-01-10MS DU06-S006-01-10MSD (DU06-S006-01-10)	BENZ(A)ANTHRACENE	41	-	49.00-126.00	78 (20.00)	BENZ(A)ANTHRACENE	J(all detects) UJ(all non-detects)
	Benzo (g,h,i) perylene	38	-	43.00-134.00	77 (20.00)	Benzo (g,h,i) perylene	
	BENZO(A)PYRENE	40	-	45.00-129.00	76 (20.00)	BENZO(A)PYRENE	
	BENZO(B)FLUORANTHENE	42	-	45.00-132.00	75 (20.00)	BENZO(B)FLUORANTHENE	
	BIS(2-ETHYLHEXYL) PHTHALATE	44	-	51.00-133.00	74 (20.00)	BIS(2-ETHYLHEXYL) PHTHALATI	
	Butyl benzyl phthalate	45	-	48.00-132.00	73 (20.00)	Butyl benzyl phthalate	
	CHRYSENE	40	-	50.00-124.00	79 (20.00)	CHRYSENE	
	DIBENZO(A,H)ANTHRACENE	40	-	45.00-134.00	78 (20.00)	DIBENZO(A,H)ANTHRACENE	
	DI-N-BUTYL PHTHALATE	50	-	51.00-128.00	61 (20.00)	DI-N-BUTYL PHTHALATE	
	FLUORANTHENE	45	-	50.00-127.00	71 (20.00)	FLUORANTHENE	
	INDENO(1,2,3-CD)PYRENE	39	-	45.00-133.00	78 (20.00)	INDENO(1,2,3-CD)PYRENE	
	PYRENE	45	-	47.00-127.00	69 (20.00)	PYRENE	
DU06-S008-01-10MSD (DU06-S008-01-10)	2-CHLORONAPHTHALENE	-	-	41.00-114.00	35 (20.00)	2-CHLORONAPHTHALENE	J(all detects)
	4-Chloroaniline [p-Chloroaniline]	-	-	17.00-106.00	29 (20.00)	4-Chloroaniline [p-Chloroaniline]	

Method: 6020A
Matrix: SOIL

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
DU06-S008-01-10MS (Wet) DU06-S008-01-10MSD (Wet) (DU06-S008-01-10)	ANTIMONY	-	68	72.00-124.00	-	ANTIMONY	J-(all detects) UJ(all non-detects)
	ARSENIC	-	72	82.00-118.00	-	ARSENIC	
	LEAD	78	34	84.00-118.00	-	LEAD	
	SELENIUM	-	78	80.00-119.00	-	SELENIUM	

Project Name and Number: Camp Hero - Camp Hero

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SOIL

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
DU06-S008-01-10MS (Wet) DU06-S008-01-10MSD (Wet) (DU06-S008-01-10)	ALUMINUM BARIUM IRON MAGNESIUM MANGANESE ZINC	326 - 597 133 321 154	185 126 371 - 393 158	78.00-124.00 86.00-116.00 81.00-124.00 80.00-123.00 85.00-116.00 82.00-119.00	- - - - - -	ALUMINUM BARIUM IRON MAGNESIUM MANGANESE ZINC	J+(all detects)
DU06-S004-01-10MS (Wet) DU06-S004-01-10MSD (Wet) (DU06-S004-01-10)	ALUMINUM BARIUM BERYLLIUM MAGNESIUM MANGANESE	834 267 122 186 308	242 135 - 74 1770	78.00-124.00 86.00-116.00 80.00-120.00 80.00-123.00 85.00-116.00	26 (20.00) 24 (20.00) 21 (20.00) - 46 (20.00)	ALUMINUM BARIUM BERYLLIUM MAGNESIUM MANGANESE	J(all detects) UJ(all non-detects)
DU06-S004-01-10MS (Wet) DU06-S004-01-10MSD (Wet) (DU06-S004-01-10)	ARSENIC CADMIUM CALCIUM CHROMIUM COPPER IRON LEAD NICKEL VANADIUM ZINC	133 - - 146 121 1165 119 120 117 197	- 124 148 122 - - 149 - - 182	82.00-118.00 84.00-116.00 86.00-118.00 83.00-119.00 84.00-119.00 81.00-124.00 84.00-118.00 84.00-119.00 82.00-116.00 82.00-119.00	- - - - - - - - - -	ARSENIC CADMIUM CALCIUM CHROMIUM COPPER IRON LEAD NICKEL VANADIUM ZINC	J+(all detects)
DU06-S002-01-10MS (Wet) DU06-S002-01-10MSD (Wet) (DU06-S002-01-10)	ALUMINUM MAGNESIUM	576 206	161 73	78.00-124.00 80.00-123.00	23 (20.00) 25 (20.00)	ALUMINUM MAGNESIUM	J(all detects) UJ(all non-detects)
DU06-S002-01-10MS (Wet) DU06-S002-01-10MSD (Wet) (DU06-S002-01-10)	ARSENIC CALCIUM IRON MANGANESE	74 - -4921 -1291	65 85 -4767 -1027	82.00-118.00 86.00-118.00 81.00-124.00 85.00-116.00	- - - -	ARSENIC CALCIUM IRON MANGANESE	J-(all detects) UJ(all non-detects)
DU06-S002-01-10MS (Wet) DU06-S002-01-10MSD (Wet) (DU06-S002-01-10)	BARIUM CHROMIUM NICKEL VANADIUM ZINC	193 126 120 146 210	- - - - 193	86.00-116.00 83.00-119.00 84.00-119.00 82.00-116.00 82.00-119.00	- - - - -	BARIUM CHROMIUM NICKEL VANADIUM ZINC	J+(all detects)
DU06-S015-01-10MS (Wet) DU06-S015-01-10MSD (Wet) (DU06-S015-01-10)	ARSENIC BARIUM LEAD	695 345 370	365 82 169	82.00-118.00 86.00-116.00 84.00-118.00	27 (20.00) 28 (20.00) 24 (20.00)	ARSENIC BARIUM LEAD	J(all detects) UJ(all non-detects)
DU06-S015-01-10MS (Wet) DU06-S015-01-10MSD (Wet) (DU06-S015-01-10)	ALUMINUM CHROMIUM COBALT IRON MAGNESIUM MANGANESE POTASSIUM VANADIUM	- 77 82 -1074 -83 -1373 - -	58 66 82 -1522 -96 -1572 83 62	78.00-124.00 83.00-119.00 84.00-115.00 81.00-124.00 80.00-123.00 85.00-116.00 85.00-119.00 82.00-116.00	- - - - - - - -	ALUMINUM CHROMIUM COBALT IRON MAGNESIUM MANGANESE POTASSIUM VANADIUM	J-(all detects) UJ(all non-detects)
DU06-S015-01-10MS (Wet) DU06-S015-01-10MSD (Wet) (DU06-S015-01-10)	COPPER SELENIUM THALLIUM ZINC	147 152 147 193	- - - 190	84.00-119.00 80.00-119.00 83.00-118.00 82.00-119.00	- - - -	COPPER SELENIUM THALLIUM ZINC	J+(all detects)

Method: 8270D
Matrix: SOIL

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
DU06-S004-01-10MSD (DU06-S004-01-10)	4-Chloroaniline [p-Chloroaniline]	-	-	17.00-106.00	34 (20.00)	4-Chloroaniline [p-Chloroaniline]	J(all detects)

Project Name and Number: Camp Hero - Camp Hero

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D
Matrix: SOIL

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
DU06-S004-01-10MSD (DU06-S004-01-10)	BENZ(A)ANTHRACENE FLUORANTHENE PHENANTHRENE PYRENE	- - - -	133 168 156 158	49.00-126.00 50.00-127.00 50.00-121.00 47.00-127.00	- - - -	BENZ(A)ANTHRACENE FLUORANTHENE PHENANTHRENE PYRENE	J+(all detects)
DU06-S002-01-10MS (DU06-S002-01-10)	2-CHLORONAPHTHALENE	116	-	41.00-114.00	-	2-CHLORONAPHTHALENE	J+(all detects)
DU06-S015-01-10MSD (DU06-S015-01-10)	2-CHLORONAPHTHALENE BENZ(A)ANTHRACENE CHRYSENE	- - -	- - -	41.00-114.00 49.00-126.00 50.00-124.00	31 (20.00) 24 (20.00) 21 (20.00)	2-CHLORONAPHTHALENE BENZ(A)ANTHRACENE CHRYSENE	J(all detects)
DU06-S015-01-10MS DU06-S015-01-10MSD (DU06-S015-01-10)	4-Chloroaniline [p-Chloroaniline] ANTHRACENE CAPROLACTAM FLUORANTHENE PHENANTHRENE PYRENE	- 36 35 -50 -77 10	8 - - - 18 -	17.00-106.00 47.00-123.00 46.00-117.00 50.00-127.00 50.00-121.00 47.00-127.00	74 (20.00) 38 (20.00) 73 (20.00) 42 (20.00) 39 (20.00) 33 (20.00)	4-Chloroaniline [p-Chloroaniline] ANTHRACENE CAPROLACTAM FLUORANTHENE PHENANTHRENE PYRENE	J(all detects) UJ(all non-detects)
DU06-S015-01-10MS (DU06-S015-01-10)	FLUORENE	32	-	43.00-125.00	-	FLUORENE	J-(all detects) UJ(all non-detects)

Method: 8270D SIM
Matrix: SOIL

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
DU06-S008-01-10MSD (DU06-S008-01-10)	2-METHYLNAPHTHALENE NAPHTHALENE	- -	156 257	39.00-114.00 38.00-111.00	28 (20.00) 75 (20.00)	2-METHYLNAPHTHALENE NAPHTHALENE	J(all detects)
DU06-S008-01-10MS DU06-S008-01-10MSD (DU06-S008-01-10)	1-METHYLNAPHTHALENE ACENAPHTHENE ANTHRACENE BENZ(A)ANTHRACENE BENZO(A)PYRENE BENZO(B)FLUORANTHENE BENZO(G,H,I)PERYLENE BENZO(K)FLUORANTHENE CHRYSENE DIBENZO(A,H)ANTHRACENE FLUORANTHENE FLUORENE INDENO(1,2,3-CD)PYRENE PHENANTHRENE PYRENE	22 39 -48 -182 -212 -389 -71 -78 -140 18 -488 -1 -55 -281 -584	149 131 223 534 546 1020 159 387 677 - 910 144 190 793 619	43.00-111.00 44.00-111.00 50.00-114.00 54.00-122.00 50.00-125.00 53.00-128.00 49.00-127.00 56.00-123.00 57.00-118.00 50.00-129.00 55.00-119.00 47.00-114.00 49.00-130.00 49.00-113.00 55.00-117.00	47 (20.00) 58 (20.00) 93 (20.00) 87 (20.00) 85 (20.00) 100 (20.00) 69 (20.00) 79 (20.00) 92 (20.00) 53 (20.00) 89 (20.00) 69 (20.00) 69 (20.00) 113 (20.00) 75 (20.00)	1-METHYLNAPHTHALENE ACENAPHTHENE ANTHRACENE BENZ(A)ANTHRACENE BENZO(A)PYRENE BENZO(B)FLUORANTHENE BENZO(G,H,I)PERYLENE BENZO(K)FLUORANTHENE CHRYSENE DIBENZO(A,H)ANTHRACENE FLUORANTHENE FLUORENE INDENO(1,2,3-CD)PYRENE PHENANTHRENE PYRENE	J(all detects) UJ(all non-detects)
DU06-S002-01-10MS DU06-S002-01-10MSD (DU06-S002-01-10)	BENZO(G,H,I)PERYLENE FLUORANTHENE INDENO(1,2,3-CD)PYRENE PYRENE	42 47 - -	35 39 45 48	49.00-127.00 55.00-119.00 49.00-130.00 55.00-117.00	- - - -	BENZO(G,H,I)PERYLENE FLUORANTHENE INDENO(1,2,3-CD)PYRENE PYRENE	J-(all detects) UJ(all non-detects)

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SOIL

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
DU06-S006-01-10-XMS (Wet) DU06-S006-01-10-XMSD (Wet) (DU06-S006-01-10-X)	ALUMINUM	808	756	78.00-124.00	-	ALUMINUM	J+(all detects)
	CALCIUM	-	129	86.00-118.00	-	CALCIUM	
	IRON	1223	313	81.00-124.00	-	IRON	
	MAGNESIUM	201	191	80.00-123.00	-	MAGNESIUM	
	MANGANESE	306	364	85.00-116.00	-	MANGANESE	
	POTASSIUM	120	121	85.00-119.00	-	POTASSIUM	
	VANADIUM	163	138	82.00-116.00	-	VANADIUM	
	ZINC	197	200	82.00-119.00	-	ZINC	

Method: 8270D SIM
Matrix: SOIL

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
DU06-S009-01-10MSD (DU06-S009-01-10)	1-METHYLNAPHTHALENE	-	-	43.00-111.00	22 (20.00)	1-METHYLNAPHTHALENE	J(all detects)
	2-METHYLNAPHTHALENE	-	-	39.00-114.00	22 (20.00)	2-METHYLNAPHTHALENE	
	ACENAPHTHENE	-	-	44.00-111.00	26 (20.00)	ACENAPHTHENE	
	ACENAPHTHYLENE	-	-	39.00-116.00	27 (20.00)	ACENAPHTHYLENE	
	ANTHRACENE	-	-	50.00-114.00	31 (20.00)	ANTHRACENE	
	BENZ(A)ANTHRACENE	-	-	54.00-122.00	29 (20.00)	BENZ(A)ANTHRACENE	
	BENZO(A)PYRENE	-	-	50.00-125.00	28 (20.00)	BENZO(A)PYRENE	
	BENZO(B)FLUORANTHENE	-	-	53.00-128.00	27 (20.00)	BENZO(B)FLUORANTHENE	
	BENZO(G,H,I)PERYLENE	-	-	49.00-127.00	23 (20.00)	BENZO(G,H,I)PERYLENE	
	BENZO(K)FLUORANTHENE	-	-	56.00-123.00	29 (20.00)	BENZO(K)FLUORANTHENE	
	CHRYSENE	-	-	57.00-118.00	28 (20.00)	CHRYSENE	
	DIBENZO(A,H)ANTHRACENE	-	-	50.00-129.00	24 (20.00)	DIBENZO(A,H)ANTHRACENE	
	FLUORENE	-	-	47.00-114.00	27 (20.00)	FLUORENE	
	INDENO(1,2,3-CD)PYRENE	-	-	49.00-130.00	24 (20.00)	INDENO(1,2,3-CD)PYRENE	
	PHENANTHRENE	-	-	49.00-113.00	23 (20.00)	PHENANTHRENE	
	PYRENE	-	-	55.00-117.00	28 (20.00)	PYRENE	
DU06-S009-01-10MS DU06-S009-01-10MSD (DU06-S009-01-10)	FLUORANTHENE	51	-	55.00-119.00	28 (20.00)	FLUORANTHENE	J(all detects) UJ(all non-detects)
	NAPHTHALENE	22	-	38.00-111.00	21 (20.00)	NAPHTHALENE	

Lab Duplicate Outlier Report

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SOIL

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
DU06-S004-01-10DUP (Wet) (DU06-S004-01-10)	ARSENIC CADMIUM	23 200	20.00 20.00	J (all detects) UJ (all non-detects)
DU06-S002-01-10DUP (Wet) (DU06-S002-01-10)	ARSENIC BERYLLIUM IRON MANGANESE THALLIUM	27 24 75 31 25	20.00 20.00 20.00 20.00 20.00	J(all detects) UJ(all non-detects)
DU06-S008-01-10DUP (Wet) (DU06-S008-01-10)	LEAD SELENIUM	22 26	20.00 20.00	J(all detects) UJ(all non-detects)
DU06-S006-01-10DUP (Wet) (DU06-S006-01-10)	ANTIMONY CALCIUM	200 23	20.00 20.00	J(all detects) UJ(all non-detects)

Method: 7471B
Matrix: SOIL

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
DU06-S006-01-10DUP (Wet) (DU06-S006-01-10)	MERCURY	200	20.00	J(all detects) UJ(all non-detects)

Method: 6020A
Matrix: SOIL

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
DU06-S015-01-10DUP (Wet) (DU06-S015-01-10)	ALUMINUM ANTIMONY ARSENIC CADMIUM CHROMIUM COBALT COPPER LEAD MAGNESIUM MANGANESE POTASSIUM SELENIUM SILVER VANADIUM	25 48 54 44 21 49 25 32 32 55 32 52 45 24	20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00	J(all detects) UJ(all non-detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SOIL

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU06-S005-01-10 (Dry)	DU06-S005-01-10D (Dry)			
BARIUM	52.4	39.6	28	30.00	No Qualifiers Applied
BERYLLIUM	0.410	0.327	23	30.00	
LEAD	4.60	4.03	13	30.00	
SELENIUM	0.843 U	0.161	200	30.00	J(all detects)
THALLIUM	0.192	0.128	40	30.00	UJ(all non-detects)

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU06-S005-01-10-X (Dry)	DU06-S005-01-10D-X (Dry)			
ALUMINUM	8760	9850	12	30.00	No Qualifiers Applied
ARSENIC	3.56	3.68	3	30.00	
CALCIUM	464	555	18	30.00	
CHROMIUM	14.8	17.1	14	30.00	
COBALT	3.16	3.54	11	30.00	
COPPER	8.10	10.0	21	30.00	
IRON	14500	15100	4	30.00	
MAGNESIUM	2210	2500	12	30.00	
MANGANESE	122	125	2	30.00	
NICKEL	6.96	8.89	24	30.00	
POTASSIUM	1630	1900	15	30.00	
SODIUM	78.7	79.8	1	30.00	
VANADIUM	19.6	22.3	13	30.00	
ZINC	19.1	21.9	14	30.00	

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU06-S011-01-10 (Dry)	DU06-S011-01-10D (Dry)			
ALUMINUM	5800	7860	30	30.00	No Qualifiers Applied
ARSENIC	2.68	2.60	3	30.00	
BERYLLIUM	0.305	0.364	18	30.00	
CALCIUM	914	745	20	30.00	
LEAD	4.19	5.12	20	30.00	
MANGANESE	104	129	21	30.00	
SODIUM	64.9	82.0	23	30.00	
THALLIUM	0.0894	0.0928	4	30.00	
ZINC	14.8	20.1	30	30.00	
BARIUM	21.9	30.0	31	30.00	J(all detects) UJ(all non-detects)
CADMIUM	0.105	0.0723	37	30.00	
CHROMIUM	10.8	16.5	42	30.00	
COBALT	2.33	3.65	44	30.00	
COPPER	7.97	5.08	44	30.00	
IRON	7750	13700	55	30.00	
MAGNESIUM	994	2120	72	30.00	
NICKEL	4.82	8.62	57	30.00	
POTASSIUM	599	1180	65	30.00	
SELENIUM	0.304	0.169	57	30.00	
VANADIUM	16.7	23.4	33	30.00	

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU06-S001-01-10 (Dry)	DU06-S001-01-10D (Dry)			

Project Name and Number: Camp Hero - Camp Hero

Field Duplicate RPD Report

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SOIL

BARIUM	33.9	27.0	23	30.00	No Qualifiers Applied
LEAD	3.31	2.53	27	30.00	
SELENIUM	0.0982	0.101	3	30.00	
THALLIUM	0.119	0.103	14	30.00	
BERYLLIUM	0.274	0.180	41	30.00	J(all detects) UJ(all non-detects)

Analyte	Concentration (mg/kg) DU06-S003-01-10 (Dry)	DU06-S003-01-10D (Dry)	Sample RPD	eQAPP RPD	Flag
ALUMINUM	7560	9220	20	30.00	No Qualifiers Applied
ARSENIC	1.93	2.22	14	30.00	
BARIUM	43.8	55.3	23	30.00	
BERYLLIUM	0.340	0.413	19	30.00	
CALCIUM	947	1150	19	30.00	
CHROMIUM	16.1	16.7	4	30.00	
COBALT	4.05	4.75	16	30.00	
COPPER	7.76	9.54	21	30.00	
IRON	14000	15100	8	30.00	
LEAD	3.45	3.94	13	30.00	
MAGNESIUM	2390	3000	23	30.00	
MANGANESE	246	247	0	30.00	
NICKEL	7.48	9.07	19	30.00	
POTASSIUM	1580	2070	27	30.00	
SODIUM	107	133	22	30.00	
THALLIUM	0.132	0.171	26	30.00	
VANADIUM	26.4	29.2	10	30.00	
ZINC	20.2	24.5	19	30.00	

Analyte	Concentration (mg/kg) DU06-S001-01-10-X (Dry)	DU06-S001-01-10D-X (Dry)	Sample RPD	eQAPP RPD	Flag
ALUMINUM	4450	4010	10	30.00	No Qualifiers Applied
ARSENIC	5.57	6.20	11	30.00	
CALCIUM	457	419	9	30.00	
CHROMIUM	8.80	9.72	10	30.00	
COBALT	2.31	2.05	12	30.00	
COPPER	6.02	5.59	7	30.00	
IRON	8940	9230	3	30.00	
MAGNESIUM	1210	1120	8	30.00	
MANGANESE	129	116	11	30.00	
NICKEL	4.74	4.22	12	30.00	
POTASSIUM	894	811	10	30.00	
SODIUM	77.3	73.7	5	30.00	
VANADIUM	11.2	10.6	6	30.00	
ZINC	11.3	11.3	0	30.00	

Method: 7199
Matrix: SOIL

Analyte	Concentration (mg/kg) DU06-S011-01-10 (Dry)	DU06-S011-01-10D (Dry)	Sample RPD	eQAPP RPD	Flag
Hexavalent Chromium [Cr (VI)]	1.3	1.1	17	30.00	No Qualifiers Applied

Project Name and Number: Camp Hero - Camp Hero

Field Duplicate RPD Report

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D SIM
Matrix: SOIL

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU06-S005-01-10	DU06-S005-01-10D			
2-METHYLNAPHTHALENE	0.00084	0.00090	7	30.00	No Qualifiers Applied
ANTHRACENE	0.00037	0.00077	70	30.00	J(all detects) UJ(all non-detects)
BENZ(A)ANTHRACENE	0.0014	0.0026	60	30.00	
BENZO(A)PYRENE	0.0015	0.0026	54	30.00	
BENZO(B)FLUORANTHENE	0.0021	0.0042	67	30.00	
BENZO(K)FLUORANTHENE	0.00092	0.0014	41	30.00	
CHRYSENE	0.0013	0.0023	56	30.00	
FLUORANTHENE	0.0025	0.0048	63	30.00	
INDENO(1,2,3-CD)PYRENE	0.0018 U	0.00078	200	30.00	
NAPHTHALENE	0.0015	0.00092	48	30.00	
PHENANTHRENE	0.0017	0.0034	67	30.00	
PYRENE	0.0020	0.0039	64	30.00	

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU06-S001-01-10	DU06-S001-01-10D			
1-METHYLNAPHTHALENE	0.026	0.0014	180	30.00	J(all detects) UJ(all non-detects)
2-METHYLNAPHTHALENE	0.024	0.0016	175	30.00	
ACENAPHTHENE	0.18	0.0061	187	30.00	
ACENAPHTHYLENE	0.0055	0.00049	167	30.00	
ANTHRACENE	0.46	0.017	186	30.00	
BENZ(A)ANTHRACENE	0.63	0.052	170	30.00	
BENZO(A)PYRENE	0.48	0.041	169	30.00	
BENZO(B)FLUORANTHENE	0.73	0.052	173	30.00	
BENZO(G,H,I)PERYLENE	0.11	0.018	144	30.00	
BENZO(K)FLUORANTHENE	0.29	0.022	172	30.00	
CHRYSENE	0.51	0.043	169	30.00	
DIBENZO(A,H)ANTHRACENE	0.048	0.0067	151	30.00	
FLUORANTHENE	1.5	0.10	175	30.00	
FLUORENE	0.20	0.0052	190	30.00	
INDENO(1,2,3-CD)PYRENE	0.14	0.020	150	30.00	
NAPHTHALENE	0.010	0.0012	157	30.00	
PHENANTHRENE	1.5	0.065	183	30.00	
PYRENE	1.1	0.080	173	30.00	

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU06-S003-01-10	DU06-S003-01-10D			
ACENAPHTHYLENE	0.00077	0.00059	26	30.00	No Qualifiers Applied
BENZO(G,H,I)PERYLENE	0.014	0.011	24	30.00	
FLUORANTHENE	0.053	0.039	30	30.00	

Field Duplicate RPD Report

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D SIM
Matrix: SOIL

1-METHYLNAPHTHALENE	0.0034	0.0018 U	200	30.00	
2-METHYLNAPHTHALENE	0.0069	0.00089	154	30.00	
ACENAPHTHENE	0.0066	0.0037	56	30.00	
ANTHRACENE	0.011	0.0072	42	30.00	
BENZ(A)ANTHRACENE	0.028	0.020	33	30.00	
BENZO(A)PYRENE	0.025	0.018	33	30.00	
BENZO(B)FLUORANTHENE	0.031	0.022	34	30.00	
BENZO(K)FLUORANTHENE	0.012	0.0082	38	30.00	J(all detects) UJ(all non-detects)
CHRYSENE	0.023	0.016	36	30.00	
DIBENZO(A,H)ANTHRACENE	0.0041	0.0030	31	30.00	
FLUORENE	0.0052	0.0030	54	30.00	
INDENO(1,2,3-CD)PYRENE	0.014	0.010	33	30.00	
NAPHTHALENE	0.0046	0.0018	88	30.00	
PHENANTHRENE	0.041	0.026	45	30.00	
PYRENE	0.043	0.031	32	30.00	

Method: 8270D
Matrix: SOIL

Analyte	Concentration (mg/kg) DU06-S005-01-10	Concentration (mg/kg) DU06-S005-01-10D	Sample RPD	eQAPP RPD	Flag
BENZO(A)PYRENE	0.004	0.004	0	30.00	
BENZO(B)FLUORANTHENE	0.005	0.005	0	30.00	
FLUORANTHENE	0.004	0.005	22	30.00	No Qualifiers Applied
PYRENE	0.005	0.005	0	30.00	
Benzo (g,h,i) perylene	0.018 U	0.004	200	30.00	
BENZO(K)FLUORANTHENE	0.005	0.018 U	200	30.00	J(all detects)
CHRYSENE	0.018 U	0.004	200	30.00	UJ(all non-detects)
PHENANTHRENE	0.018 U	0.004	200	30.00	

Analyte	Concentration (mg/kg) DU06-S001-01-10	Concentration (mg/kg) DU06-S001-01-10D	Sample RPD	eQAPP RPD	Flag
1-METHYLNAPHTHALENE	0.029	0.019 U	200	30.00	
2-METHYLNAPHTHALENE	0.021	0.019 U	200	30.00	
ACENAPHTHENE	0.16	0.006	186	30.00	
ACENAPHTHYLENE	0.008	0.019 U	200	30.00	
ANTHRACENE	0.44	0.022	181	30.00	
BENZ(A)ANTHRACENE	0.56	0.049	168	30.00	
Benzo (g,h,i) perylene	0.23	0.025	161	30.00	
BENZO(A)PYRENE	0.44	0.043	164	30.00	
BENZO(B)FLUORANTHENE	0.63	0.056	167	30.00	
BENZO(K)FLUORANTHENE	0.29	0.032	160	30.00	J(all detects)
CARBAZOLE	0.077	0.036 U	200	30.00	UJ(all non-detects)
CHRYSENE	0.49	0.044	167	30.00	
DIBENZO(A,H)ANTHRACENE	0.075	0.009	157	30.00	
DIBENZOFURAN	0.090	0.036 U	200	30.00	
FLUORANTHENE	1.4	0.11	171	30.00	
FLUORENE	0.19	0.006	188	30.00	
INDENO(1,2,3-CD)PYRENE	0.24	0.025	162	30.00	
NAPHTHALENE	0.011	0.019 U	200	30.00	
PHENANTHRENE	1.5	0.068	183	30.00	
PYRENE	1.1	0.091	169	30.00	

Analyte	Concentration (mg/kg) DU06-S011-01-10	Concentration (mg/kg) DU06-S011-01-10D	Sample RPD	eQAPP RPD	Flag

Project Name and Number: Camp Hero - Camp Hero

Field Duplicate RPD Report

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D
Matrix: SOIL

Benzo (g,h,i) perylene	0.23	0.18	24	30.00	
BENZO(B)FLUORANTHENE	0.59	0.44	29	30.00	
CARBAZOLE	0.048	0.047	2	30.00	No Qualifiers Applied
FLUORANTHENE	1.2	0.89	30	30.00	
INDENO(1,2,3-CD)PYRENE	0.23	0.18	24	30.00	
1-METHYLNAPHTHALENE	0.095	0.021	128	30.00	
2-METHYLNAPHTHALENE	0.11	0.019	141	30.00	
ACENAPHTHENE	0.13	0.095	31	30.00	
ACENAPHTHYLENE	0.016	0.006	91	30.00	
ANTHRACENE	0.34	0.19	57	30.00	
BENZ(A)ANTHRACENE	0.54	0.36	40	30.00	
BENZO(A)PYRENE	0.43	0.31	32	30.00	
BENZO(K)FLUORANTHENE	0.29	0.16	58	30.00	J(all detects)
BENZOIC ACID	0.29	0.58 U	200	30.00	UJ(all non-detects)
CHRYSENE	0.47	0.31	41	30.00	
DIBENZO(A,H)ANTHRACENE	0.078	0.052	40	30.00	
DIBENZOFURAN	0.056	0.035	46	30.00	
FLUORENE	0.14	0.084	50	30.00	
NAPHTHALENE	0.069	0.016	125	30.00	
PHENANTHRENE	1.0	0.65	42	30.00	
PYRENE	1.0	0.72	33	30.00	

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU06-S003-01-10	DU06-S003-01-10D			
BENZO(B)FLUORANTHENE	0.031	0.026	18	30.00	No Qualifiers Applied
CHRYSENE	0.023	0.018	24	30.00	
1-METHYLNAPHTHALENE	0.004	0.019 U	200	30.00	
2-METHYLNAPHTHALENE	0.007	0.019 U	200	30.00	
ACENAPHTHENE	0.009	0.005	57	30.00	
ACENAPHTHYLENE	0.014	0.006	80	30.00	
ANTHRACENE	0.013	0.008	48	30.00	
BENZ(A)ANTHRACENE	0.026	0.018	36	30.00	
Benzo (g,h,i) perylene	0.021	0.013	47	30.00	
BENZO(A)PYRENE	0.026	0.019	31	30.00	J(all detects)
BENZO(K)FLUORANTHENE	0.021	0.011	63	30.00	UJ(all non-detects)
DIBENZO(A,H)ANTHRACENE	0.007	0.019 U	200	30.00	
FLUORANTHENE	0.057	0.041	33	30.00	
FLUORENE	0.008	0.005	46	30.00	
INDENO(1,2,3-CD)PYRENE	0.018	0.010	57	30.00	
NAPHTHALENE	0.005	0.019 U	200	30.00	
PHENANTHRENE	0.042	0.027	43	30.00	
PYRENE	0.049	0.036	31	30.00	

Method: 9045D
Matrix: SOIL

Analyte	Concentration (pH Units)		Sample RPD	eQAPP RPD	Flag
	DU06-S011-01-10	DU06-S011-01-10D			
PH	6.56	6.48	1	30.00	No Qualifiers Applied

Field Duplicate RPD Report

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: Calculation
Matrix: SOIL

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU06-S011-01-10 (Dry)	DU06-S011-01-10D (Dry)			
TRIVALENT CHROMIUM	9.4	15.4	48	20.00	J(all detects) UJ(all non-detects)

Method: D1498
Matrix: SOIL

Analyte	Concentration (mV)		Sample RPD	eQAPP RPD	Flag
	DU06-S011-01-10	DU06-S011-01-10D			
Oxidation Reduction Potential (ORP)	367	364	1	30.00	No Qualifiers Applied

Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D**
Matrix: **SOIL**

QC Sample ID (Associated Samples)	*Compound*	*LCS %R*	*LCSD %R*	*%R Limits*	*RPD (Limits)*	*Affected Compounds*	*Flag*
P3LJLCSQ173SLJ026 (DU06-S002-01-10)	2-CHLORONAPHTHALENE	115	-	41.00-114.00	-	2-CHLORONAPHTHALENE	J+ (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU06-S001-00-01	ANTIMONY BERYLLIUM SELENIUM THALLIUM	J J J J	0.170 0.168 0.283 0.169	0.349 0.175 0.699 0.175	LOQ LOQ LOQ LOQ	mg/kg mg/kg mg/kg mg/kg	J (all detects)
DU06-S001-00-01-X	CADMIUM SODIUM	J J	0.0302 55.5	0.165 66.0	LOQ LOQ	mg/kg mg/kg	J (all detects)
DU06-S001-01-10	SELENIUM THALLIUM	J J	0.0982 0.119	0.619 0.155	LOQ LOQ	mg/kg mg/kg	J (all detects)
DU06-S001-01-10D	SELENIUM THALLIUM	J J	0.101 0.103	0.620 0.155	LOQ LOQ	mg/kg mg/kg	J (all detects)
DU06-S001-01-10D-X	SODIUM	J	73.7	78.7	LOQ	mg/kg	J (all detects)
DU06-S002-00-01	ANTIMONY CADMIUM SELENIUM SODIUM THALLIUM	J J J J J	0.101 0.0368 0.171 58.4 0.0798	0.413 0.207 0.826 82.6 0.207	LOQ LOQ LOQ LOQ LOQ	mg/kg mg/kg mg/kg mg/kg mg/kg	J (all detects)
DU06-S002-01-10	CADMIUM THALLIUM	J J	0.0468 0.126	0.158 0.158	LOQ LOQ	mg/kg mg/kg	J (all detects)
DU06-S003-00-01	CADMIUM THALLIUM	J J	0.0360 0.173	0.209 0.209	LOQ LOQ	mg/kg mg/kg	J (all detects)
DU06-S003-01-10	THALLIUM	J	0.132	0.173	LOQ	mg/kg	J (all detects)
DU06-S003-01-10D	THALLIUM	J	0.171	0.215	LOQ	mg/kg	J (all detects)
DU06-S004-00-01	CADMIUM SELENIUM SILVER SODIUM THALLIUM	J J J J J	0.176 0.288 0.0379 70.3 0.0916	0.184 0.734 0.184 73.4 0.184	LOQ LOQ LOQ LOQ LOQ	mg/kg mg/kg mg/kg mg/kg mg/kg	J (all detects)
DU06-S004-01-10	ANTIMONY THALLIUM	J J	0.0923 0.129	0.394 0.197	LOQ LOQ	mg/kg mg/kg	J (all detects)
DU06-S005-00-01	ANTIMONY BERYLLIUM SELENIUM THALLIUM	J J J J	0.141 0.0972 0.414 0.0964	0.416 0.208 0.832 0.208	LOQ LOQ LOQ LOQ	mg/kg mg/kg mg/kg mg/kg	J (all detects)
DU06-S005-00-01-X	SODIUM	J	34.7	66.0	LOQ	mg/kg	J (all detects)
DU06-S005-01-10	THALLIUM	J	0.192	0.211	LOQ	mg/kg	J (all detects)
DU06-S005-01-10D	SELENIUM THALLIUM	J J	0.161 0.128	0.743 0.186	LOQ LOQ	mg/kg mg/kg	J (all detects)
DU06-S006-00-01	BERYLLIUM SELENIUM THALLIUM	J J J	0.127 0.257 0.188	0.196 0.785 0.196	LOQ LOQ LOQ	mg/kg mg/kg mg/kg	J (all detects)
DU06-S006-00-01-X	SODIUM	J	56.7	64.6	LOQ	mg/kg	J (all detects)
DU06-S006-01-10	SELENIUM THALLIUM	J J	0.172 0.181	0.780 0.195	LOQ LOQ	mg/kg mg/kg	J (all detects)
DU06-S006-01-10-X	SODIUM	J	70.6	76.6	LOQ	mg/kg	J (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU06-S007-00-01	ANTIMONY	J	0.192	0.357	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.248	0.713	LOQ	mg/kg	
	THALLIUM	J	0.0724	0.178	LOQ	mg/kg	
DU06-S007-00-01-X	CADMIUM	J	0.0749	0.187	LOQ	mg/kg	J (all detects)
	SODIUM	J	59.7	74.9	LOQ	mg/kg	
DU06-S007-01-10	ANTIMONY	J	0.112	0.423	LOQ	mg/kg	J (all detects)
	THALLIUM	J	0.157	0.212	LOQ	mg/kg	
DU06-S008-00-01	ANTIMONY	J	0.137	0.416	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.178	0.208	LOQ	mg/kg	
	SELENIUM	J	0.315	0.832	LOQ	mg/kg	
	THALLIUM	J	0.172	0.208	LOQ	mg/kg	
DU06-S008-00-01-X	CADMIUM	J	0.0974	0.182	LOQ	mg/kg	J (all detects)
	SODIUM	J	51.7	72.7	LOQ	mg/kg	
DU06-S008-01-10	CADMIUM	J	0.0933	0.199	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.215	0.796	LOQ	mg/kg	
	SODIUM	J	79.5	79.6	LOQ	mg/kg	
	THALLIUM	J	0.0895	0.199	LOQ	mg/kg	
DU06-S009-00-01	ANTIMONY	J	0.165	0.426	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.212	0.213	LOQ	mg/kg	
DU06-S009-01-10	CADMIUM	J	0.0408	0.173	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.304	0.690	LOQ	mg/kg	
	SODIUM	J	66.5	69.0	LOQ	mg/kg	
	THALLIUM	J	0.118	0.173	LOQ	mg/kg	
DU06-S011-00-01	ANTIMONY	J	0.156	0.363	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.0381	0.182	LOQ	mg/kg	
DU06-S011-01-10	CADMIUM	J	0.105	0.172	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.304	0.689	LOQ	mg/kg	
	SODIUM	J	64.9	68.9	LOQ	mg/kg	
	THALLIUM	J	0.0894	0.172	LOQ	mg/kg	
DU06-S011-01-10D	CADMIUM	J	0.0723	0.226	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.169	0.903	LOQ	mg/kg	
	SODIUM	J	82.0	90.3	LOQ	mg/kg	
	THALLIUM	J	0.0928	0.226	LOQ	mg/kg	
DU06-S012-00-01	ANTIMONY	J	0.156	0.306	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.417	0.611	LOQ	mg/kg	
	THALLIUM	J	0.145	0.153	LOQ	mg/kg	
DU06-S012-00-01-X	CADMIUM	J	0.181	0.198	LOQ	mg/kg	J (all detects)
	SODIUM	J	60.0	79.3	LOQ	mg/kg	
DU06-S012-01-10	SELENIUM	J	0.199	0.868	LOQ	mg/kg	J (all detects)
	THALLIUM	J	0.0981	0.217	LOQ	mg/kg	
DU06-S012-01-10-X	CADMIUM	J	0.0363	0.201	LOQ	mg/kg	J (all detects)
	SODIUM	J	62.9	80.2	LOQ	mg/kg	
DU06-S014-00-01	CADMIUM	J	0.0310	0.178	LOQ	mg/kg	J (all detects)
	SILVER	J	0.133	0.178	LOQ	mg/kg	
DU06-S014-01-10	ANTIMONY	J	0.130	0.489	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.0842	0.245	LOQ	mg/kg	
	SELENIUM	J	0.932	0.979	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU06-S015-01-10	ANTIMONY	J	0.287	0.551	LOQ	mg/kg	
	CADMIUM	J	0.213	0.276	LOQ	mg/kg	J (all detects)
	SILVER	J	0.0695	0.276	LOQ	mg/kg	

Method: 7471B

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU06-S001-00-01	MERCURY	J	0.0414	0.0975	LOQ	mg/kg	J (all detects)
DU06-S002-00-01	MERCURY	J	0.0748	0.102	LOQ	mg/kg	J (all detects)
DU06-S003-00-01	MERCURY	J	0.0170	0.106	LOQ	mg/kg	J (all detects)
DU06-S004-00-01	MERCURY	J	0.0959	0.112	LOQ	mg/kg	J (all detects)
DU06-S006-01-10	MERCURY	J	0.0132	0.108	LOQ	mg/kg	J (all detects)
DU06-S007-00-01	MERCURY	J	0.0219	0.112	LOQ	mg/kg	J (all detects)
DU06-S008-00-01	MERCURY	J	0.0157	0.101	LOQ	mg/kg	J (all detects)
DU06-S009-00-01	MERCURY	J	0.0337	0.104	LOQ	mg/kg	J (all detects)
DU06-S011-00-01	MERCURY	J	0.0200	0.102	LOQ	mg/kg	J (all detects)
DU06-S012-00-01	MERCURY	J	0.0165	0.103	LOQ	mg/kg	J (all detects)
DU06-S012-01-10	MERCURY	J	0.0133	0.119	LOQ	mg/kg	J (all detects)
DU06-S014-01-10	MERCURY	J	0.0207	0.127	LOQ	mg/kg	J (all detects)
DU06-S015-01-10	MERCURY	J	0.0566	0.149	LOQ	mg/kg	J (all detects)

Method: 8270D

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU06-S001-00-01	1-METHYLNAPHTHALENE	J	0.025	0.087	LOQ	mg/kg	
	2-METHYLNAPHTHALENE	J	0.021	0.087	LOQ	mg/kg	
	ACENAPHTHENE	J	0.043	0.087	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.026	0.087	LOQ	mg/kg	J (all detects)
	DIBENZO(A,H)ANTHRACENE	J	0.084	0.087	LOQ	mg/kg	
	FLUORENE	J	0.050	0.087	LOQ	mg/kg	
	NAPHTHALENE	J	0.024	0.087	LOQ	mg/kg	
DU06-S001-01-10	ACENAPHTHYLENE	J	0.008	0.018	LOQ	mg/kg	J (all detects)
	NAPHTHALENE	J	0.011	0.018	LOQ	mg/kg	
DU06-S001-01-10D	ACENAPHTHENE	J	0.006	0.019	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.009	0.019	LOQ	mg/kg	J (all detects)
	FLUORENE	J	0.006	0.019	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU06-S002-00-01	1-METHYLNAPHTHALENE	J	0.006	0.018	LOQ	mg/kg	
	2-METHYLNAPHTHALENE	J	0.007	0.018	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.006	0.018	LOQ	mg/kg	
	ANTHRACENE	J	0.006	0.018	LOQ	mg/kg	
	BENZ(A)ANTHRACENE	J	0.015	0.018	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.015	0.018	LOQ	mg/kg	J (all detects)
	BENZO(K)FLUORANTHENE	J	0.014	0.018	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.005	0.018	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.012	0.018	LOQ	mg/kg	
	NAPHTHALENE	J	0.006	0.018	LOQ	mg/kg	
	PHENANTHRENE	J	0.015	0.018	LOQ	mg/kg	
DU06-S002-01-10	ACENAPHTHYLENE	J	0.004	0.019	LOQ	mg/kg	
	ANTHRACENE	J	0.009	0.019	LOQ	mg/kg	
	BENZ(A)ANTHRACENE	J	0.017	0.019	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.011	0.019	LOQ	mg/kg	J (all detects)
	BENZO(A)PYRENE	J	0.018	0.019	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.011	0.019	LOQ	mg/kg	
	CHRYSENE	J	0.015	0.019	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.009	0.019	LOQ	mg/kg	
DU06-S003-00-01	3/4-Methylphenol [m/p-Cresol]	J	0.019	0.036	LOQ	mg/kg	J (all detects)
DU06-S003-01-10	1-METHYLNAPHTHALENE	J	0.004	0.018	LOQ	mg/kg	
	2-METHYLNAPHTHALENE	J	0.007	0.018	LOQ	mg/kg	
	ACENAPHTHENE	J	0.009	0.018	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.014	0.018	LOQ	mg/kg	J (all detects)
	ANTHRACENE	J	0.013	0.018	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.007	0.018	LOQ	mg/kg	
	FLUORENE	J	0.008	0.018	LOQ	mg/kg	
	NAPHTHALENE	J	0.005	0.018	LOQ	mg/kg	
DU06-S003-01-10D	ACENAPHTHENE	J	0.005	0.019	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.006	0.019	LOQ	mg/kg	
	ANTHRACENE	J	0.008	0.019	LOQ	mg/kg	
	BENZ(A)ANTHRACENE	J	0.018	0.019	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.013	0.019	LOQ	mg/kg	J (all detects)
	BENZO(K)FLUORANTHENE	J	0.011	0.019	LOQ	mg/kg	
	CHRYSENE	J	0.018	0.019	LOQ	mg/kg	
	FLUORENE	J	0.005	0.019	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.010	0.019	LOQ	mg/kg	
DU06-S004-00-01	1,1-BIPHENYL	J	0.13	0.19	LOQ	mg/kg	J (all detects)
DU06-S005-00-01	1-METHYLNAPHTHALENE	J	0.009	0.018	LOQ	mg/kg	
	2-METHYLNAPHTHALENE	J	0.010	0.018	LOQ	mg/kg	
	BENZ(A)ANTHRACENE	J	0.012	0.018	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.010	0.018	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.014	0.018	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.011	0.018	LOQ	mg/kg	J (all detects)
	CHRYSENE	J	0.013	0.018	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.004	0.018	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.01	0.018	LOQ	mg/kg	
	NAPHTHALENE	J	0.008	0.018	LOQ	mg/kg	
	PHENANTHRENE	J	0.011	0.018	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU06-S005-01-10	BENZO(A)PYRENE	J	0.004	0.018	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.005	0.018	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.005	0.018	LOQ	mg/kg	J (all detects)
	FLUORANTHENE	J	0.004	0.018	LOQ	mg/kg	
	PYRENE	J	0.005	0.018	LOQ	mg/kg	
DU06-S005-01-10D	Benzo (g,h,i) perylene	J	0.004	0.018	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.004	0.018	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.005	0.018	LOQ	mg/kg	
	CHRYSENE	J	0.004	0.018	LOQ	mg/kg	J (all detects)
	FLUORANTHENE	J	0.005	0.018	LOQ	mg/kg	
	PHENANTHRENE	J	0.004	0.018	LOQ	mg/kg	
	PYRENE	J	0.005	0.018	LOQ	mg/kg	
DU06-S006-00-01	2-METHYLNAPHTHALENE	J	0.020	0.089	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.020	0.089	LOQ	mg/kg	
	ANTHRACENE	J	0.021	0.089	LOQ	mg/kg	
	BENZ(A)ANTHRACENE	J	0.079	0.089	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.085	0.089	LOQ	mg/kg	J (all detects)
	BENZO(K)FLUORANTHENE	J	0.072	0.089	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.023	0.089	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.061	0.089	LOQ	mg/kg	
	PHENANTHRENE	J	0.088	0.089	LOQ	mg/kg	
DU06-S006-01-10	Benzo (g,h,i) perylene	J	0.005	0.019	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.005	0.019	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.007	0.019	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.005	0.019	LOQ	mg/kg	J (all detects)
	CHRYSENE	J	0.005	0.019	LOQ	mg/kg	
	FLUORANTHENE	J	0.006	0.019	LOQ	mg/kg	
	PYRENE	J	0.006	0.019	LOQ	mg/kg	
DU06-S007-00-01	1-METHYLNAPHTHALENE	J	0.060	0.095	LOQ	mg/kg	
	2-METHYLNAPHTHALENE	J	0.061	0.095	LOQ	mg/kg	J (all detects)
	DIBENZOFURAN	J	0.13	0.19	LOQ	mg/kg	
DU06-S007-01-10	ACENAPHTHENE	J	0.013	0.019	LOQ	mg/kg	
	FLUORENE	J	0.014	0.019	LOQ	mg/kg	J (all detects)
	NAPHTHALENE	J	0.008	0.019	LOQ	mg/kg	
DU06-S009-00-01	2-Methylphenol (o-Cresol)	J	0.035	0.037	LOQ	mg/kg	
	3/4-Methylphenol [m/p-Cresol]	J	0.034	0.037	LOQ	mg/kg	J (all detects)
	BENZOIC ACID	J	0.54	0.55	LOQ	mg/kg	
DU06-S009-01-10	BENZ(A)ANTHRACENE	J	0.004	0.020	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.006	0.020	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.006	0.020	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.008	0.020	LOQ	mg/kg	
	CHRYSENE	J	0.007	0.020	LOQ	mg/kg	J (all detects)
	FLUORANTHENE	J	0.008	0.020	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.007	0.020	LOQ	mg/kg	
	PHENANTHRENE	J	0.015	0.020	LOQ	mg/kg	
	PYRENE	J	0.008	0.020	LOQ	mg/kg	
DU06-S011-00-01	2-CHLORONAPHTHALENE	J	0.012	0.036	LOQ	mg/kg	
	2-Methylphenol (o-Cresol)	J	0.027	0.037	LOQ	mg/kg	J (all detects)
	3/4-Methylphenol [m/p-Cresol]	J	0.028	0.037	LOQ	mg/kg	
DU06-S011-01-10	ACENAPHTHYLENE	J	0.016	0.019	LOQ	mg/kg	J (all detects)
	BENZOIC ACID	J	0.29	0.57	LOQ	mg/kg	

Project Name and Number: Camp Hero - Camp Hero

Reporting Limit Outliers

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU06-S011-01-10D	2-METHYLNAPHTHALENE	J	0.019	0.020	LOQ	mg/kg	J (all detects)
	ACENAPHTHYLENE	J	0.006	0.020	LOQ	mg/kg	
	DIBENZOFURAN	J	0.035	0.039	LOQ	mg/kg	
	NAPHTHALENE	J	0.016	0.020	LOQ	mg/kg	
DU06-S012-00-01	ACENAPHTHYLENE	J	0.060	0.093	LOQ	mg/kg	J (all detects)
DU06-S012-01-10	1-METHYLNAPHTHALENE	J	0.01	0.020	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.009	0.020	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.008	0.020	LOQ	mg/kg	
	CARBAZOLE	J	0.030	0.040	LOQ	mg/kg	
	NAPHTHALENE	J	0.009	0.020	LOQ	mg/kg	
DU06-S014-01-10	DIBENZO(A,H)ANTHRACENE	J	0.012	0.022	LOQ	mg/kg	J (all detects)
	DIBENZOFURAN	J	0.030	0.042	LOQ	mg/kg	
DU06-S015-00-01	2-CHLORONAPHTHALENE	J	0.10	0.21	LOQ	mg/kg	J (all detects)
	BENZ(A)ANTHRACENE	J	0.10	0.11	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.061	0.11	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.044	0.11	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.040	0.11	LOQ	mg/kg	
	BENZOIC ACID	J	2.5	3.3	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.027	0.11	LOQ	mg/kg	
DU06-S015-01-10	3/4-Methylphenol [m/p-Cresol]	J	0.031	0.053	LOQ	mg/kg	J (all detects)
	BENZOIC ACID	J	0.29	0.80	LOQ	mg/kg	
	CAPROLACTAM	J	0.057	0.27	LOQ	mg/kg	
DU06-S016-00-01	1,1-BIPHENYL	J	0.021	0.035	LOQ	mg/kg	J (all detects)
	ACENAPHTHENE	J	0.013	0.018	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.008	0.018	LOQ	mg/kg	
	FLUORENE	J	0.011	0.018	LOQ	mg/kg	
DU06-S016-01-10	1-METHYLNAPHTHALENE	J	0.017	0.020	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.011	0.020	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.012	0.020	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.012	0.020	LOQ	mg/kg	

Method: 8270D SIM

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU06-S001-01-10	ACENAPHTHYLENE	J	0.0055	0.018	LOQ	mg/kg	J (all detects)
	NAPHTHALENE	J	0.010	0.018	LOQ	mg/kg	
DU06-S001-01-10D	1-METHYLNAPHTHALENE	J	0.0014	0.0018	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.0016	0.0018	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.00049	0.0018	LOQ	mg/kg	
	NAPHTHALENE	J	0.0012	0.0018	LOQ	mg/kg	
DU06-S002-00-01	ACENAPHTHENE	J	0.0010	0.0017	LOQ	mg/kg	J (all detects)
	FLUORENE	J	0.0010	0.0017	LOQ	mg/kg	
DU06-S002-01-10	1-METHYLNAPHTHALENE	J	0.0017	0.0019	LOQ	mg/kg	J (all detects)
	ACENAPHTHYLENE	J	0.00059	0.0019	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.0016	0.0019	LOQ	mg/kg	
	NAPHTHALENE	J	0.0016	0.0019	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**

Matrix: **SOIL**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
DU06-S003-01-10	ACENAPHTHYLENE	J	0.00077	0.0018	LOQ	mg/kg	J (all detects)
DU06-S003-01-10D	2-METHYLNAPHTHALENE	J	0.00089	0.0018	LOQ	mg/kg	J (all detects)
	ACENAPHTHYLENE	J	0.00059	0.0018	LOQ	mg/kg	
DU06-S005-00-01	ACENAPHTHENE	J	0.00078	0.0018	LOQ	mg/kg	J (all detects)
	ACENAPHTHYLENE	J	0.00068	0.0018	LOQ	mg/kg	
	ANTHRACENE	J	0.0013	0.0018	LOQ	mg/kg	
	FLUORENE	J	0.00072	0.0018	LOQ	mg/kg	
DU06-S005-01-10	2-METHYLNAPHTHALENE	J	0.00084	0.0018	LOQ	mg/kg	J (all detects)
	ANTHRACENE	J	0.00037	0.0018	LOQ	mg/kg	
	BENZ(A)ANTHRACENE	J	0.0014	0.0018	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.0015	0.0018	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.00092	0.0018	LOQ	mg/kg	
	CHRYSENE	J	0.0013	0.0018	LOQ	mg/kg	
	NAPHTHALENE	J	0.0015	0.0018	LOQ	mg/kg	
	PHENANTHRENE	J	0.0017	0.0018	LOQ	mg/kg	
DU06-S005-01-10D	2-METHYLNAPHTHALENE	J	0.00090	0.0018	LOQ	mg/kg	J (all detects)
	ANTHRACENE	J	0.00077	0.0018	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.0014	0.0018	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.00078	0.0018	LOQ	mg/kg	
	NAPHTHALENE	J	0.00092	0.0018	LOQ	mg/kg	
DU06-S006-00-01	1-METHYLNAPHTHALENE	J	0.013	0.017	LOQ	mg/kg	J (all detects)
	ACENAPHTHENE	J	0.0070	0.017	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.0045	0.017	LOQ	mg/kg	
	ANTHRACENE	J	0.015	0.017	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.011	0.017	LOQ	mg/kg	
	NAPHTHALENE	J	0.012	0.017	LOQ	mg/kg	
DU06-S006-01-10	ANTHRACENE	J	0.00058	0.0018	LOQ	mg/kg	J (all detects)
	BENZO(G,H,I)PERYLENE	J	0.0017	0.0018	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.0015	0.0018	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.0017	0.0018	LOQ	mg/kg	
	NAPHTHALENE	J	0.0017	0.0018	LOQ	mg/kg	
DU06-S007-01-10	1-METHYLNAPHTHALENE	J	0.0014	0.0018	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.0089	0.0091	LOQ	mg/kg	
DU06-S009-01-10	ACENAPHTHENE	J	0.00082	0.0020	LOQ	mg/kg	J (all detects)
	ACENAPHTHYLENE	J	0.00052	0.0020	LOQ	mg/kg	
	ANTHRACENE	J	0.00060	0.0020	LOQ	mg/kg	
	BENZO(G,H,I)PERYLENE	J	0.0012	0.0020	LOQ	mg/kg	
	FLUORENE	J	0.0019	0.0020	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.0011	0.0020	LOQ	mg/kg	
DU06-S009-01-10-X	ACENAPHTHENE	J	0.0015	0.0020	LOQ	mg/kg	J (all detects)
	ACENAPHTHYLENE	J	0.00055	0.0020	LOQ	mg/kg	
	ANTHRACENE	J	0.00082	0.0020	LOQ	mg/kg	
	BENZO(G,H,I)PERYLENE	J	0.0014	0.0020	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.0011	0.0020	LOQ	mg/kg	
	FLUORENE	J	0.0018	0.0020	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.0013	0.0020	LOQ	mg/kg	
DU06-S012-01-10	1-METHYLNAPHTHALENE	J	0.011	0.020	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.011	0.020	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.0019	0.0020	LOQ	mg/kg	
	NAPHTHALENE	J	0.011	0.020	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**

Matrix: **SOIL**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
DU06-S014-01-10	ACENAPHTHYLENE	J	0.00071	0.0021	LOQ	mg/kg	J (all detects)

Method Blank Outlier Report

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**
Matrix: **SOIL**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P17163AB171063701	7/12/2017 9:09:00 PM	LEAD SODIUM	0.0388 mg/kg 23.4 mg/kg	DU06-S003-00-01 DU06-S003-01-10 DU06-S003-01-10D DU06-S004-00-01 DU06-S008-01-10
P17163EB171063705	7/12/2017 6:51:00 AM	CALCIUM	20.3 mg/kg	DU06-S002-00-01 DU06-S004-01-10
P17163FB171063706	6/30/2017 7:33:00 PM	LEAD	0.0380 mg/kg	DU06-S002-01-10 DU06-S011-00-01 DU06-S011-01-10 DU06-S011-01-10D DU06-S015-00-01
P19563CB195063703	7/17/2017 12:13:00 PM	CHROMIUM MANGANESE	0.386 mg/kg 0.226 mg/kg	DU06-S001-00-01-X DU06-S001-01-10D-X DU06-S001-01-10-X DU06-S005-00-01-X DU06-S005-01-10D-X DU06-S005-01-10-X DU06-S006-00-01-X DU06-S006-01-10-X DU06-S007-00-01-X DU06-S007-01-10-X DU06-S008-00-01-X DU06-S012-00-01-X DU06-S012-01-10-X

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
DU06-S003-00-01(Initial)	SODIUM	85.5 mg/kg	85.5U mg/kg
DU06-S003-01-10(Initial)	SODIUM	107 mg/kg	107U mg/kg
DU06-S004-00-01(Initial)	SODIUM	70.3 mg/kg	73.4U mg/kg
DU06-S008-01-10(Initial)	SODIUM	79.5 mg/kg	79.6U mg/kg

Method: **8270D SIM**
Matrix: **SOIL**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
PLKLC20B200SLC026	7/23/2017 3:15:00 PM	NAPHTHALENE	0.00074 mg/kg	DU06-S009-01-10-X
PLKLH18B188SLH026	7/17/2017 9:06:00 AM	BENZ(A)ANTHRACENE BENZO(A)PYRENE BENZO(B)FLUORANTHENE BENZO(G,H,I)PERYLENE CHRYSENE FLUORANTHENE PYRENE	0.00082 mg/kg 0.0011 mg/kg 0.0013 mg/kg 0.00080 mg/kg 0.00086 mg/kg 0.0011 mg/kg 0.0011 mg/kg	DU06-S008-01-10 DU06-S009-01-10 DU06-S014-01-10 DU06-S016-00-01

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
DU06-S009-01-10(Initial)	BENZ(A)ANTHRACENE	0.0025 mg/kg	0.0025U mg/kg
DU06-S009-01-10(Initial)	BENZO(A)PYRENE	0.0023 mg/kg	0.0023U mg/kg

Project Name and Number: Camp Hero - Camp Hero

Method Blank Outlier Report

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**
Matrix: **SOIL**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
DU06-S009-01-10(Initial)	BENZO(B)FLUORANTHENE	0.0045 mg/kg	0.0045U mg/kg
DU06-S009-01-10(Initial)	BENZO(G,H,I)PERYLENE	0.0012 mg/kg	0.0020U mg/kg
DU06-S009-01-10(Initial)	CHRYSENE	0.0039 mg/kg	0.0039U mg/kg
DU06-S009-01-10(Initial)	FLUORANTHENE	0.0053 mg/kg	0.0053U mg/kg
DU06-S009-01-10(Initial)	PYRENE	0.0049 mg/kg	0.0049U mg/kg

Equipment Rinsate Blank Outlier Report

Lab Reporting Batch ID: APP29 **Laboratory: LLL**

EDD Filename: APP29-B_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**
Matrix: **SOIL**

Equipment Blank Sample ID	Collected Date	Analyte	Result	Associated Samples
EB-SO061417-02(Initial/TOT)	6/14/2017 12:30:00 PM	NAPHTHALENE	0.19 ug/l	DU06-S001-00-01 DU06-S001-00-01-X DU06-S001-01-10 DU06-S001-01-10D DU06-S001-01-10D-X DU06-S001-01-10-X DU06-S002-00-01 DU06-S002-01-10 DU06-S003-00-01 DU06-S003-01-10 DU06-S003-01-10D DU06-S004-00-01 DU06-S004-01-10 DU06-S005-00-01 DU06-S005-00-01-X DU06-S005-01-10 DU06-S005-01-10D DU06-S005-01-10D-X DU06-S005-01-10-X DU06-S006-00-01 DU06-S006-00-01-X DU06-S006-01-10 DU06-S006-01-10-X DU06-S007-00-01 DU06-S007-00-01-X DU06-S007-01-10 DU06-S007-01-10-X DU06-S008-00-01 DU06-S008-00-01-X DU06-S008-01-10 DU06-S009-00-01 DU06-S009-01-10 DU06-S009-01-10-X DU06-S011-00-01 DU06-S011-01-10 DU06-S011-01-10D DU06-S012-00-01 DU06-S012-00-01-X DU06-S012-01-10 DU06-S012-01-10-X DU06-S014-00-01 DU06-S014-01-10 DU06-S015-00-01 DU06-S015-01-10 DU06-S016-00-01 DU06-S016-01-10

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
DU06-S005-01-10D(Initial)	NAPHTHALENE	0.00092 mg/kg	0.0018U mg/kg

Project Name and Number: Camp Hero - Camp Hero

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Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page	1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.		
Laboratory SDG:	APP30		
Date(s) of Collection:	June 12th, 2017		
Number/Type Samples & Analyses:	16 soil samples plus 2 MS/MSD and 1 field duplicate for a project-specific list of SVOCs, PAHs, hexavalent chromium and metals		
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA		
Completed:	November 20th, 2017		

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for soil data included in Sample Delivery Group (SDG) APP30. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017.

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✓ Holding times and sample preservation

✓ Laboratory method blank data

✓ Field rinsate blank data

NA Trip blank data

✓ Laboratory control sample (LCS) recoveries

✗ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✓ Surrogate recoveries

✗ Laboratory duplicate results

✗ Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of “J” data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

Several analytes were over calibration in method 8270D in samples DU06-S013-00-01 (1-methylnaphthalene and 2-methylnaphthalene) The sample was diluted and re-analyzed. All results will be presented in the undiluted except for the analytes that were over calibration

Several analytes were over calibration in method 8270D-SIM in sample DU06-S010-01-10 (fluoranthene and phenanthrene). The sample was diluted and reanalyzed but the sample was not extracted within holding time. All results will be presented in the 8270D results due to SIM dilutions.

This data package was revised 11/9/2017 due to the Eurofins metals data breach. The majority of the data changes were made to Quality Control (QC) and/or calibration checks, not to actual sample results. Where we see sample result changes, these are primarily cases where the result exceeded the linear calibration range of the instrument and were changed to be slightly lower than the upper limit of the calibration range.

In this package, the percent recovery for vanadium in the low level check standard was not within QC specification. The LCS which is 2 to 5 times the LLC was within specifications for vanadium.

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP30 **Laboratory: LLL**

EDD Filename: APP30-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Validation Area	*Note*
Technical Holding Times	A
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	SR
Surrogate/Tracer Spikes	A
Matrix Spike/Matrix Spike Duplicates	SR
Laboratory Duplicates	SR
Laboratory Replicates	N
Laboratory Control Samples	A
Compound Quantitation	SR
Field Duplicates	A
Field Triplicates	N
Field Blanks	A

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP30 **Laboratory: LLL**

EDD Filename: APP30-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU05-S004-00-01 **Collected:** 6/12/2017 3:50:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0506	J	0.0833	LOD	0.167	LOQ	mg/kg	J	RI
SELENIUM	0.116	J	0.167	LOD	0.666	LOQ	mg/kg	J	RI
THALLIUM	0.0383	J	0.0416	LOD	0.167	LOQ	mg/kg	J	RI

Sample ID: DU05-S004-00-01 **Collected:** 6/12/2017 3:50:00 PM **Analysis Type:** Reanalysis-02 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.106	J	0.167	LOD	0.333	LOQ	mg/kg	J	RI

Sample ID: DU05-S004-01-10 **Collected:** 6/12/2017 3:55:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.153	J	0.179	LOD	0.717	LOQ	mg/kg	J	RI
SODIUM	62.9	J	17.9	LOD	71.7	LOQ	mg/kg	J	RI
THALLIUM	0.0640	J	0.0448	LOD	0.179	LOQ	mg/kg	J	RI

Sample ID: DU05-S008-00-01 **Collected:** 6/12/2017 4:00:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0510	J	0.0944	LOD	0.189	LOQ	mg/kg	J	RI
SELENIUM	0.107	J	0.189	LOD	0.756	LOQ	mg/kg	J	RI
THALLIUM	0.0478	J	0.0472	LOD	0.189	LOQ	mg/kg	J	RI

Sample ID: DU05-S008-00-01 **Collected:** 6/12/2017 4:00:00 PM **Analysis Type:** Reanalysis-02 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.0961	J	0.189	LOD	0.378	LOQ	mg/kg	J	RI

Sample ID: DU05-S008-01-10 **Collected:** 6/12/2017 4:10:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.0523	J	0.0359	LOD	0.144	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP30 **Laboratory: LLL**

EDD Filename: APP30-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU05-S012-00-01 **Collected:** 6/12/2017 4:20:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0541	J	0.0800	LOD	0.160	LOQ	mg/kg	J	RI
SELENIUM	0.202	J	0.160	LOD	0.640	LOQ	mg/kg	J	RI
THALLIUM	0.0624	J	0.0400	LOD	0.160	LOQ	mg/kg	J	RI

Sample ID: DU05-S012-00-01 **Collected:** 6/12/2017 4:20:00 PM **Analysis Type:** Reanalysis-02 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.0789	J	0.160	LOD	0.320	LOQ	mg/kg	J	RI

Sample ID: DU05-S012-01-10 **Collected:** 6/12/2017 4:25:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0279	J	0.0785	LOD	0.157	LOQ	mg/kg	J	RI
SELENIUM	0.135	J	0.157	LOD	0.628	LOQ	mg/kg	J	RI
THALLIUM	0.0515	J	0.0393	LOD	0.157	LOQ	mg/kg	J	RI

Sample ID: DU05-S013-00-01 **Collected:** 6/12/2017 2:50:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0598	J	0.0859	LOD	0.172	LOQ	mg/kg	J	RI
SELENIUM	0.177	J	0.172	LOD	0.687	LOQ	mg/kg	J	RI
THALLIUM	0.0495	J	0.0429	LOD	0.172	LOQ	mg/kg	J	RI

Sample ID: DU05-S013-01-10 **Collected:** 6/12/2017 3:00:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.207	J	0.162	LOD	0.649	LOQ	mg/kg	J	RI
SODIUM	64.0	J	16.2	LOD	64.9	LOQ	mg/kg	J	RI
THALLIUM	0.0651	J	0.0406	LOD	0.162	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP30 **Laboratory: LLL**

EDD Filename: APP30-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU05-S014-00-01 **Collected:** 6/12/2017 3:10:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0382	J	0.102	LOD	0.203	LOQ	mg/kg	J	RI
SELENIUM	0.120	J	0.203	LOD	0.813	LOQ	mg/kg	J	RI
SODIUM	79.3	J	20.3	LOD	81.3	LOQ	mg/kg	J	RI
THALLIUM	0.0596	J	0.0508	LOD	0.203	LOQ	mg/kg	J	RI

Sample ID: DU05-S014-01-10 **Collected:** 6/12/2017 3:20:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	48.0	J	16.6	LOD	66.4	LOQ	mg/kg	J	RI
THALLIUM	0.0373	J	0.0415	LOD	0.166	LOQ	mg/kg	J	RI

Sample ID: DU05-S014-01-10D **Collected:** 6/12/2017 3:20:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	49.9	J	15.8	LOD	63.3	LOQ	mg/kg	J	RI
THALLIUM	0.0407	J	0.0396	LOD	0.158	LOQ	mg/kg	J	RI

Sample ID: DU05-S016-00-01 **Collected:** 6/12/2017 3:30:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0480	J	0.0931	LOD	0.186	LOQ	mg/kg	J	RI
SELENIUM	0.176	J	0.186	LOD	0.745	LOQ	mg/kg	J	RI
THALLIUM	0.0521	J	0.0466	LOD	0.186	LOQ	mg/kg	J	RI

Sample ID: DU05-S016-00-01 **Collected:** 6/12/2017 3:30:00 PM **Analysis Type:** Reanalysis-02 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.0888	J	0.186	LOD	0.372	LOQ	mg/kg	J	RI

Sample ID: DU05-S016-01-10 **Collected:** 6/12/2017 3:40:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.0922	J	0.182	LOD	0.729	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP30 **Laboratory: LLL**

EDD Filename: APP30-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU05-S016-01-10 **Collected:** 6/12/2017 3:40:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	63.8	J	18.2	LOD	72.9	LOQ	mg/kg	J	RI
THALLIUM	0.0519	J	0.0455	LOD	0.182	LOQ	mg/kg	J	RI

Sample ID: DU06-S010-00-01 **Collected:** 6/12/2017 1:45:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.225	J	0.186	LOD	0.372	LOQ	mg/kg	J	RI
CADMIUM	0.0370	J	0.0931	LOD	0.186	LOQ	mg/kg	J	RI

Sample ID: DU06-S010-01-10 **Collected:** 6/12/2017 1:50:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	4030		8.11	LOD	32.5	LOQ	mg/kg	J+	Ms
BERYLLIUM	0.170		0.0203	LOD	0.162	LOQ	mg/kg	J	Ms
IRON	9440		16.2	LOD	32.5	LOQ	mg/kg	J	Ms, Ms
MAGNESIUM	1030		8.11	LOD	32.5	LOQ	mg/kg	J+	Ms
MANGANESE	52.5		0.162	LOD	0.649	LOQ	mg/kg	J+	Ms
SELENIUM	0.471	J	0.162	LOD	0.649	LOQ	mg/kg	J	RI, Ld
THALLIUM	0.0706	J	0.0406	LOD	0.162	LOQ	mg/kg	J	RI, Ms

Sample ID: DU06-S010-01-10 **Collected:** 6/12/2017 1:50:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	9.74		0.325	LOD	0.649	LOQ	mg/kg	J+	Ms
BARIUM	21.7		0.325	LOD	0.649	LOQ	mg/kg	J+	Ms
CALCIUM	644		32.5	LOD	64.9	LOQ	mg/kg	J+	Ms
CHROMIUM	10.5		0.325	LOD	0.649	LOQ	mg/kg	J+	Ms
ZINC	10.2		2.43	LOD	4.87	LOQ	mg/kg	J+	Ms

Sample ID: DU06-S013-00-01 **Collected:** 6/12/2017 2:25:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.309	J	0.220	LOD	0.441	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP30 **Laboratory: LLL**

EDD Filename: APP30-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU06-S013-00-01 **Collected:** 6/12/2017 2:25:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SILVER	0.0535	J	0.0551	LOD	0.220	LOQ	mg/kg	J	Rl

Sample ID: DU06-S013-01-10 **Collected:** 6/12/2017 2:30:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	11900		9.12	LOD	36.5	LOQ	mg/kg	J	Ms, Ms, Ms, Ld
BARIUM	98.5		0.365	LOD	0.730	LOQ	mg/kg	J+	Ms
CALCIUM	1060		36.5	LOD	73.0	LOQ	mg/kg	J	Ms, Ld
CHROMIUM	21.7		0.365	LOD	0.730	LOQ	mg/kg	J	Ms, Ms, Ld
COPPER	15.8		0.182	LOD	0.730	LOQ	mg/kg	J	Ms, Ms, Ms
IRON	17500		18.2	LOD	36.5	LOQ	mg/kg	J	Ms, Ms
LEAD	10.3		0.0456	LOD	0.365	LOQ	mg/kg	J	Ms, Ms, Ld
MAGNESIUM	3060		9.12	LOD	36.5	LOQ	mg/kg	J	Ms, Ms, Ld
MANGANESE	128		0.182	LOD	0.730	LOQ	mg/kg	J	Ms, Ms, Ms, Ld
NICKEL	14.7		0.182	LOD	0.730	LOQ	mg/kg	J-	Ms
POTASSIUM	2180		18.2	LOD	73.0	LOQ	mg/kg	J	Ms, Ms, Ld
SELENIUM	2.70		0.182	LOD	0.730	LOQ	mg/kg	J	Ms, Ms, Ld
THALLIUM	0.796		0.0456	LOD	0.182	LOQ	mg/kg	J	Ms, Ms

Sample ID: DU06-S013-01-10 **Collected:** 6/12/2017 2:30:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.317	J	0.182	LOD	0.365	LOQ	mg/kg	J	Rl, Ms, Ms, Ld
ARSENIC	28.4		0.365	LOD	0.730	LOQ	mg/kg	J	Ms, Ms, Ld
SILVER	0.0462	J	0.0456	LOD	0.182	LOQ	mg/kg	J	Rl
VANADIUM	33.4		0.0912	LOD	0.182	LOQ	mg/kg	J	Ms, Ms, Ms, Ld
ZINC	29.8		2.74	LOD	5.47	LOQ	mg/kg	J	Ms, Ld

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP30 **Laboratory: LLL**

EDD Filename: APP30-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7471B **Matrix: SOIL**

Sample ID: DU05-S004-00-01 **Collected:** 6/12/2017 3:50:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0185	J	0.0177	LOD	0.106	LOQ	mg/kg	J	RI

Sample ID: DU05-S004-01-10 **Collected:** 6/12/2017 3:55:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0132	J	0.0167	LOD	0.100	LOQ	mg/kg	J	RI

Sample ID: DU05-S008-00-01 **Collected:** 6/12/2017 4:00:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0161	J	0.0175	LOD	0.105	LOQ	mg/kg	J	RI

Sample ID: DU05-S012-00-01 **Collected:** 6/12/2017 4:20:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0262	J	0.0199	LOD	0.119	LOQ	mg/kg	J	RI

Sample ID: DU05-S012-01-10 **Collected:** 6/12/2017 4:25:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0125	J	0.0174	LOD	0.105	LOQ	mg/kg	J	RI

Sample ID: DU05-S013-00-01 **Collected:** 6/12/2017 2:50:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0319	J	0.0187	LOD	0.112	LOQ	mg/kg	J	RI

Sample ID: DU05-S013-01-10 **Collected:** 6/12/2017 3:00:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0146	J	0.0184	LOD	0.110	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP30 **Laboratory: LLL**

EDD Filename: APP30-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7471B **Matrix: SOIL**

Sample ID: DU05-S014-00-01 **Collected:** 6/12/2017 3:10:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0197	J	0.0181	LOD	0.109	LOQ	mg/kg	J	RI

Sample ID: DU05-S016-00-01 **Collected:** 6/12/2017 3:30:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0135	J	0.0183	LOD	0.110	LOQ	mg/kg	J	RI

Sample ID: DU06-S010-00-01 **Collected:** 6/12/2017 1:45:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0489	J	0.0188	LOD	0.113	LOQ	mg/kg	J	RI

Sample ID: DU06-S013-01-10 **Collected:** 6/12/2017 2:30:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0483	J	0.0202	LOD	0.121	LOQ	mg/kg	J	RI, Ld

Method Category: SVOA

Method: 8270D **Matrix: SOIL**

Sample ID: DU06-S010-00-01 **Collected:** 6/12/2017 1:45:00 PM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.33	J	0.56	LOD	0.56	LOQ	mg/kg	J	RI

Sample ID: DU06-S010-00-01 **Collected:** 6/12/2017 1:45:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZALDEHYDE	0.12	J	0.15	LOD	0.19	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP30 **Laboratory: LLL**

EDD Filename: APP30-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU06-S010-01-10 **Collected:** 6/12/2017 1:50:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.015	J	0.008	LOD	0.020	LOQ	mg/kg	J	RI
CARBAZOLE	0.023	J	0.038	LOD	0.038	LOQ	mg/kg	J	RI
DIBENZOFURAN	0.024	J	0.038	LOD	0.038	LOQ	mg/kg	J	RI
NAPHTHALENE	0.015	J	0.008	LOD	0.020	LOQ	mg/kg	J	RI

Sample ID: DU06-S013-00-01 **Collected:** 6/12/2017 2:25:00 PM **Analysis Type:** Dilution-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.75		0.078	LOD	0.078	LOQ	mg/kg	NP	ProfJudg
2-Methylphenol (o-Cresol)	0.11		0.078	LOD	0.078	LOQ	mg/kg	NP	ProfJudg
4-Chloroaniline [p-Chloroaniline]	0.16	U	0.16	LOD	0.16	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU06-S013-00-01 **Collected:** 6/12/2017 2:25:00 PM **Analysis Type:** Dilution-01-ACID **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.095		0.078	LOD	0.078	LOQ	mg/kg	NP	ProfJudg
4-CHLORO-3-METHYLPHENOL	0.078	U	0.078	LOD	0.078	LOQ	mg/kg	NP	ProfJudg
BENZOIC ACID	1.2		1.2	LOD	1.2	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU06-S013-00-01 **Collected:** 6/12/2017 2:25:00 PM **Analysis Type:** Dilution-01-BASE/NEUTRAL **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	0.078	U	0.078	LOD	0.078	LOQ	mg/kg	NP	ProfJudg
2-CHLORONAPHTHALENE	0.031	U	0.031	LOD	0.077	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.18		0.016	LOD	0.040	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.089		0.016	LOD	0.040	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.095		0.016	LOD	0.040	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21		0.016	LOD	0.040	LOQ	mg/kg	NP	ProfJudg
BENZALDEHYDE	0.31	U	0.31	LOD	0.39	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.080		0.016	LOD	0.040	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.13		0.016	LOD	0.040	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.22		0.016	LOD	0.040	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP30 **Laboratory: LLL**

EDD Filename: APP30-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU06-S013-00-01 **Collected:** 6/12/2017 2:25:00 PM **Analysis Type:** Dilution-01-BASE/ NEUTRAL **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(K)FLUORANTHENE	0.049		0.016	LOD	0.040	LOQ	mg/kg	NP	ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	0.31	U	0.31	LOD	0.40	LOQ	mg/kg	NP	ProfJudg
Butyl benzyl phthalate	0.31	U	0.31	LOD	0.39	LOQ	mg/kg	NP	ProfJudg
CAPROLACTAM	0.31	U	0.31	LOD	0.39	LOQ	mg/kg	NP	ProfJudg
CARBAZOLE	0.12		0.078	LOD	0.078	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.48		0.016	LOD	0.040	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.042		0.016	LOD	0.040	LOQ	mg/kg	NP	ProfJudg
DIBENZOFURAN	1.3		0.078	LOD	0.078	LOQ	mg/kg	NP	ProfJudg
DIETHYL PHTHALATE	0.31	U	0.31	LOD	0.39	LOQ	mg/kg	NP	ProfJudg
DIMETHYL PHTHALATE	0.31	U	0.31	LOD	0.39	LOQ	mg/kg	NP	ProfJudg
DI-N-BUTYL PHTHALATE	0.31	U	0.31	LOD	0.39	LOQ	mg/kg	NP	ProfJudg
DI-N-OCTYL PHTHALATE	0.31	U	0.31	LOD	0.39	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.28		0.016	LOD	0.040	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.25		0.016	LOD	0.040	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.051		0.016	LOD	0.040	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	4.1		0.016	LOD	0.040	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	2.2		0.016	LOD	0.040	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.38		0.016	LOD	0.040	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU06-S013-00-01 **Collected:** 6/12/2017 2:25:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	4.8	E	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	6.2	E	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU06-S013-01-10 **Collected:** 6/12/2017 2:30:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.075		0.043	LOD	0.043	LOQ	mg/kg	J	Ms
4-Chloroaniline [p-Chloroaniline]	0.085	U	0.085	LOD	0.085	LOQ	mg/kg	UJ	Ms

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP30 **Laboratory: LLL**

EDD Filename: APP30-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **SOIL**

Sample ID: **DU06-S013-01-10** ***Collected:*** **6/12/2017 2:30:00 PM** ***Analysis Type:*** **Initial-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.51		0.009	LOD	0.022	LOQ	mg/kg	J	Ms
ACENAPHTHENE	0.020	J	0.009	LOD	0.022	LOQ	mg/kg	J	Rl, Ms
ACENAPHTHYLENE	0.016	J	0.009	LOD	0.022	LOQ	mg/kg	J	Rl, Ms
ANTHRACENE	0.011	J	0.009	LOD	0.022	LOQ	mg/kg	J	Rl, Ms, Ms
BENZ(A)ANTHRACENE	0.032		0.009	LOD	0.022	LOQ	mg/kg	J	Ms, Ms
Benzo (g,h,i) perylene	0.022		0.009	LOD	0.022	LOQ	mg/kg	J	Ms, Ms
BENZO(A)PYRENE	0.020	J	0.009	LOD	0.022	LOQ	mg/kg	J	Rl, Ms, Ms
BENZO(B)FLUORANTHENE	0.038		0.009	LOD	0.022	LOQ	mg/kg	J	Ms, Ms
BENZO(K)FLUORANTHENE	0.011	J	0.009	LOD	0.022	LOQ	mg/kg	J	Rl, Ms
BIS(2-ETHYLHEXYL) PHTHALATE	0.17	U	0.17	LOD	0.22	LOQ	mg/kg	UJ	Ms
CAPROLACTAM	0.17	U	0.17	LOD	0.21	LOQ	mg/kg	UJ	Ms
CARBAZOLE	0.043	U	0.043	LOD	0.043	LOQ	mg/kg	UJ	Ms
CHRYSENE	0.062		0.009	LOD	0.022	LOQ	mg/kg	J	Ms, Ms
DIBENZO(A,H)ANTHRACENE	0.009	J	0.009	LOD	0.022	LOQ	mg/kg	J	Rl, Ms
DIBENZOFURAN	0.13		0.043	LOD	0.043	LOQ	mg/kg	J	Ms
DIETHYL PHTHALATE	0.17	U	0.17	LOD	0.21	LOQ	mg/kg	UJ	Ms
DIMETHYL PHTHALATE	0.17	U	0.17	LOD	0.21	LOQ	mg/kg	UJ	Ms
DI-N-BUTYL PHTHALATE	0.17	U	0.17	LOD	0.21	LOQ	mg/kg	UJ	Ms
FLUORANTHENE	0.034		0.009	LOD	0.022	LOQ	mg/kg	J	Ms, Ms
FLUORENE	0.030		0.009	LOD	0.022	LOQ	mg/kg	J	Ms
INDENO(1,2,3-CD)PYRENE	0.015	J	0.009	LOD	0.022	LOQ	mg/kg	J	Rl, Ms, Ms
NAPHTHALENE	0.39		0.009	LOD	0.022	LOQ	mg/kg	J	Ms
PHENANTHRENE	0.23		0.009	LOD	0.022	LOQ	mg/kg	J	Ms, Ms
PYRENE	0.042		0.009	LOD	0.022	LOQ	mg/kg	J	Ms, Ms

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP30 **Laboratory: LLL**

EDD Filename: APP30-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **SOIL**

Sample ID: **DU06-S010-01-10** ***Collected:*** **6/12/2017 1:50:00 PM** ***Analysis Type:*** **Dilution-01-BASE/ NEUTRAL** ***Dilution:*** **5**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.017		0.0077	LOD	0.0096	LOQ	mg/kg	NP	Ms, EtoA, ProfJudg
2-METHYLNAPHTHALENE	0.013		0.0077	LOD	0.0096	LOQ	mg/kg	NP	Ms, EtoA, ProfJudg
ACENAPHTHENE	0.053		0.0077	LOD	0.0096	LOQ	mg/kg	NP	Ms, EtoA, ProfJudg
ACENAPHTHYLENE	0.0019	J	0.0077	LOD	0.0096	LOQ	mg/kg	NP	RI, EtoA, ProfJudg
ANTHRACENE	0.12		0.0077	LOD	0.0096	LOQ	mg/kg	NP	Ms, Ms, EtoA, ProfJudg
BENZ(A)ANTHRACENE	0.23		0.0077	LOD	0.0096	LOQ	mg/kg	NP	Ms, Ms, EtoA, ProfJudg
BENZO(A)PYRENE	0.18		0.0077	LOD	0.0096	LOQ	mg/kg	NP	Ms, Ms, EtoA, ProfJudg
BENZO(B)FLUORANTHENE	0.27		0.0077	LOD	0.0096	LOQ	mg/kg	NP	Ms, Ms, EtoA, ProfJudg
BENZO(G,H,I)PERYLENE	0.039		0.0077	LOD	0.0096	LOQ	mg/kg	NP	Ms, EtoA, ProfJudg
BENZO(K)FLUORANTHENE	0.11		0.0077	LOD	0.0096	LOQ	mg/kg	NP	Ms, Ms, EtoA, ProfJudg
CHRYSENE	0.18		0.0077	LOD	0.0096	LOQ	mg/kg	NP	Ms, Ms, EtoA, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.014		0.0077	LOD	0.0096	LOQ	mg/kg	NP	EtoA, ProfJudg
FLUORANTHENE	0.49		0.0077	LOD	0.0096	LOQ	mg/kg	NP	Ms, Ms, EtoA, ProfJudg
FLUORENE	0.053		0.0077	LOD	0.0096	LOQ	mg/kg	NP	Ms, EtoA, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.048		0.0077	LOD	0.0096	LOQ	mg/kg	NP	Ms, EtoA, ProfJudg
NAPHTHALENE	0.012		0.0077	LOD	0.0096	LOQ	mg/kg	NP	Ms, EtoA, ProfJudg
PHENANTHRENE	0.42		0.0077	LOD	0.0096	LOQ	mg/kg	NP	Ms, Ms, EtoA, ProfJudg
PYRENE	0.45		0.0077	LOD	0.0096	LOQ	mg/kg	NP	Ms, Ms, EtoA, ProfJudg

Sample ID: **DU06-S010-01-10** ***Collected:*** **6/12/2017 1:50:00 PM** ***Analysis Type:*** **Initial-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.016		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Ms, EtoA, ProfJudg
2-METHYLNAPHTHALENE	0.012		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Ms, EtoA, ProfJudg
ACENAPHTHENE	0.049		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Ms, EtoA, ProfJudg
ACENAPHTHYLENE	0.0016	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	RI, EtoA, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP30 **Laboratory: LLL**

EDD Filename: APP30-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **SOIL**

Sample ID: **DU06-S010-01-10** ***Collected:*** **6/12/2017 1:50:00 PM** ***Analysis Type:*** **Initial-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
ANTHRACENE	0.12		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Ms, Ms, EtoA, ProfJudg
BENZ(A)ANTHRACENE	0.21		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Ms, Ms, EtoA, ProfJudg
BENZO(A)PYRENE	0.17		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Ms, Ms, EtoA, ProfJudg
BENZO(B)FLUORANTHENE	0.27		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Ms, Ms, EtoA, ProfJudg
BENZO(G,H,I)PERYLENE	0.040		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Ms, EtoA, ProfJudg
BENZO(K)FLUORANTHENE	0.098		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Ms, Ms, EtoA, ProfJudg
CHRYSENE	0.17		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Ms, Ms, EtoA, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.017		0.0015	LOD	0.0019	LOQ	mg/kg	NP	EtoA, ProfJudg
FLUORANTHENE	0.51	E	0.0015	LOD	0.0019	LOQ	mg/kg	NP	Ms, Ms, EtoA, ProfJudg
FLUORENE	0.040		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Ms, EtoA, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.049		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Ms, EtoA, ProfJudg
NAPHTHALENE	0.011		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Ms, EtoA, ProfJudg
PHENANTHRENE	0.42	E	0.0015	LOD	0.0019	LOQ	mg/kg	NP	Ms, Ms, EtoA, ProfJudg
PYRENE	0.35		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Ms, Ms, EtoA, ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP30 **Laboratory: LLL**

EDD Filename: APP30-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Reason Code Legend

Reason Code	*Description*
EtoA	Extraction to Analysis Estimation
Ld	Laboratory Duplicate Precision
Mb	Method Blank Contamination
Ms	Matrix Spike Lower Estimation
Ms	Matrix Spike Precision
Ms	Matrix Spike Upper Estimation
ProfJudg	Professional Judgment
RI	Reporting Limit Trace Value

* denotes a non-reportable result

QC Outlier Report: HoldingTimes

Lab Reporting Batch ID: APP30 **Laboratory: LLL**

EDD Filename: APP30-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D SIM **Preparation Method: SW3546**

Matrix: SOIL

Sample ID	Type	Actual	Criteria	Units	Flag
DU06-S010-01-10 (Initial)	Extraction To Analysis	43.00	40.00	DAYS	J- (all detects)
DU06-S010-01-10 (Dilution-01)		43.00	40.00	DAYS	UJ (all non-detects)

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP30 **Laboratory: LLL**

EDD Filename: APP30-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SOIL

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
DU06-S013-01-10MS (Wet) DU06-S013-01-10MSD (Wet) (DU06-S013-01-10)	ALUMINUM ANTIMONY ARSENIC CHROMIUM COPPER IRON LEAD MAGNESIUM MANGANESE POTASSIUM SELENIUM THALLIUM VANADIUM	557 61 1912 - 173 6822 - - 218 - 169 - 164	-753 - 770 26 76 1390 348 -241 -385 52 293 146 51	78.00-124.00 72.00-124.00 82.00-118.00 83.00-119.00 84.00-119.00 81.00-124.00 84.00-118.00 80.00-123.00 85.00-116.00 85.00-119.00 80.00-119.00 83.00-118.00 82.00-116.00	52 (20.00) 42 (20.00) 42 (20.00) 33 (20.00) 35 (20.00) 44 (20.00) 45 (20.00) 55 (20.00) 58 (20.00) 25 (20.00) 38 (20.00) 21 (20.00) 27 (20.00)	ALUMINUM ANTIMONY ARSENIC CHROMIUM COPPER IRON LEAD MAGNESIUM MANGANESE POTASSIUM SELENIUM THALLIUM VANADIUM	J (all detects) UJ (all non-detects)
DU06-S013-01-10MSD (Wet) (DU06-S013-01-10)	CALCIUM NICKEL	- -	70 72	86.00-118.00 84.00-119.00	- -	CALCIUM NICKEL	J-(all detects) UJ(all non-detects)
DU06-S013-01-10MS (Wet) DU06-S013-01-10MSD (Wet) (DU06-S013-01-10)	BARIUM ZINC	- 181	120 162	86.00-116.00 82.00-119.00	- -	BARIUM ZINC	J+(all detects)

Method: 8270D
Matrix: SOIL

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
DU06-S010-01-10MSD (DU06-S010-01-10)	4-Chloroaniline [p-Chloroaniline]	-	-	17.00-106.00	42 (20.00)	4-Chloroaniline [p-Chloroaniline]	J(all detects)
DU06-S010-01-10MS DU06-S010-01-10MSD (DU06-S010-01-10)	2-Methylphenol (o-Cresol) CAPROLACTAM DI-N-OCTYL PHTHALATE	128 120 -	- - 145	32.00-122.00 46.00-117.00 45.00-140.00	- - -	2-Methylphenol (o-Cresol) CAPROLACTAM DI-N-OCTYL PHTHALATE	J+(all detects)

Method: 6020A
Matrix: SOIL

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
DU06-S010-01-10MS (Wet) DU06-S010-01-10MSD (Wet) (DU06-S010-01-10)	BERYLLIUM IRON THALLIUM	- 625 -	- -73 -	80.00-120.00 81.00-124.00 83.00-118.00	21 (20.00) - 24 (20.00)	BERYLLIUM IRON THALLIUM	J(all detects) UJ(all non-detects)
DU06-S010-01-10MS (Wet) DU06-S010-01-10MSD (Wet) (DU06-S010-01-10)	ALUMINUM ARSENIC BARIUM CALCIUM CHROMIUM MAGNESIUM MANGANESE ZINC	472 148 158 146 131 165 225 205	351 - - 137 - - 142 195	78.00-124.00 82.00-118.00 86.00-116.00 86.00-118.00 83.00-119.00 80.00-123.00 85.00-116.00 82.00-119.00	- - - - - - - -	ALUMINUM ARSENIC BARIUM CALCIUM CHROMIUM MAGNESIUM MANGANESE ZINC	J+(all detects)

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP30 **Laboratory: LLL**

EDD Filename: APP30-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D
Matrix: SOIL

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
DU06-S013-01-10MSD (DU06-S013-01-10)	1,1-BIPHENYL	-	-	40.00-117.00	43 (20.00)	1,1-BIPHENYL	J(all detects)
	1,4-DICHLOROBENZENE	-	-	31.00-115.00	43 (20.00)	1,4-DICHLOROBENZENE	
	1-METHYLNAPHTHALENE	-	-	40.00-119.00	22 (20.00)	1-METHYLNAPHTHALENE	
	2-CHLORONAPHTHALENE	-	-	41.00-114.00	43 (20.00)	2-CHLORONAPHTHALENE	
	2-Methylphenol (o-Cresol)	-	-	32.00-122.00	47 (20.00)	2-Methylphenol (o-Cresol)	
	3/4-Methylphenol [m/p-Cresol]	-	-	42.00-126.00	48 (20.00)	3/4-Methylphenol [m/p-Cresol]	
	4-CHLORO-3-METHYLPHENOL	-	-	45.00-122.00	47 (20.00)	4-CHLORO-3-METHYLPHENOL	
	ACENAPHTHENE	-	-	40.00-123.00	43 (20.00)	ACENAPHTHENE	
	ACENAPHTHYLENE	-	-	32.00-132.00	47 (20.00)	ACENAPHTHYLENE	
	BENZALDEHYDE	-	-	10.00-93.00	40 (30.00)	BENZALDEHYDE	
	BENZO(K)FLUORANTHENE	-	-	47.00-132.00	52 (20.00)	BENZO(K)FLUORANTHENE	
	BENZOIC ACID	-	-	16.00-125.00	41 (30.00)	BENZOIC ACID	
	Butyl benzyl phthalate	-	-	48.00-132.00	47 (20.00)	Butyl benzyl phthalate	
	DIBENZO(A,H)ANTHRACENE	-	-	45.00-134.00	55 (20.00)	DIBENZO(A,H)ANTHRACENE	
	DIBENZOFURAN	-	-	44.00-120.00	40 (20.00)	DIBENZOFURAN	
	DI-N-OCTYL PHTHALATE	-	-	45.00-140.00	50 (20.00)	DI-N-OCTYL PHTHALATE	
	FLUORENE	-	-	43.00-125.00	45 (20.00)	FLUORENE	
	NAPHTHALENE	-	-	35.00-123.00	26 (20.00)	NAPHTHALENE	
DU06-S013-01-10MSD (DU06-S013-01-10)	ANTHRACENE	-	45	47.00-123.00	51 (20.00)	ANTHRACENE	J(all detects) UJ(all non-detects)
	BENZ(A)ANTHRACENE	-	45	49.00-126.00	50 (20.00)	BENZ(A)ANTHRACENE	
	Benzo (g,h,i) perylene	-	40	43.00-134.00	55 (20.00)	Benzo (g,h,i) perylene	
	BENZO(A)PYRENE	-	41	45.00-129.00	54 (20.00)	BENZO(A)PYRENE	
	BENZO(B)FLUORANTHENE	-	42	45.00-132.00	50 (20.00)	BENZO(B)FLUORANTHENE	
	BIS(2-ETHYLHEXYL) PHTHALATE	-	45	51.00-133.00	51 (20.00)	BIS(2-ETHYLHEXYL) PHTHALATI	
	CAPROLACTAM	-	41	46.00-117.00	49 (20.00)	CAPROLACTAM	
	CARBAZOLE	-	45	50.00-123.00	48 (20.00)	CARBAZOLE	
	CHRYSENE	-	43	50.00-124.00	45 (20.00)	CHRYSENE	
	DIETHYL PHTHALATE	-	45	50.00-124.00	46 (20.00)	DIETHYL PHTHALATE	
	DIMETHYL PHTHALATE	-	46	48.00-124.00	47 (20.00)	DIMETHYL PHTHALATE	
	DI-N-BUTYL PHTHALATE	-	45	51.00-128.00	50 (20.00)	DI-N-BUTYL PHTHALATE	
	FLUORANTHENE	-	46	50.00-127.00	50 (20.00)	FLUORANTHENE	
	INDENO(1,2,3-CD)PYRENE	-	43	45.00-133.00	55 (20.00)	INDENO(1,2,3-CD)PYRENE	
	PHENANTHRENE	-	47	50.00-121.00	36 (20.00)	PHENANTHRENE	
	PYRENE	-	45	47.00-127.00	51 (20.00)	PYRENE	
DU06-S013-01-10MS DU06-S013-01-10MSD (DU06-S013-01-10)	4-Chloroaniline [p-Chloroaniline]	0	0	17.00-106.00	-	4-Chloroaniline [p-Chloroaniline]	J-(all detects) UJ(all non-detects)

Method: 8270D SIM
Matrix: SOIL

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
DU06-S010-01-10MS DU06-S010-01-10MSD (DU06-S010-01-10)	ANTHRACENE	178	251	50.00-114.00	34 (20.00)	ANTHRACENE	J(all detects)
	BENZ(A)ANTHRACENE	318	435	54.00-122.00	31 (20.00)	BENZ(A)ANTHRACENE	
	BENZO(A)PYRENE	280	374	50.00-125.00	29 (20.00)	BENZO(A)PYRENE	
	BENZO(B)FLUORANTHENE	410	518	53.00-128.00	23 (20.00)	BENZO(B)FLUORANTHENE	
	BENZO(G,H,I)PERYLENE	-	-	49.00-127.00	28 (20.00)	BENZO(G,H,I)PERYLENE	
	BENZO(K)FLUORANTHENE	213	279	56.00-123.00	27 (20.00)	BENZO(K)FLUORANTHENE	
	CHRYSENE	261	361	57.00-118.00	32 (20.00)	CHRYSENE	
	FLUORANTHENE	525	792	55.00-119.00	41 (20.00)	FLUORANTHENE	
	INDENO(1,2,3-CD)PYRENE	-	-	49.00-130.00	25 (20.00)	INDENO(1,2,3-CD)PYRENE	
	PHENANTHRENE	365	603	49.00-113.00	50 (20.00)	PHENANTHRENE	
	PYRENE	508	736	55.00-117.00	37 (20.00)	PYRENE	
DU06-S010-01-10MS DU06-S010-01-10MSD (DU06-S010-01-10)	1-METHYLNAPHTHALENE	-	114	43.00-111.00	-	1-METHYLNAPHTHALENE	J+(all detects)
	2-METHYLNAPHTHALENE	119	123	39.00-114.00	-	2-METHYLNAPHTHALENE	
	ACENAPHTHENE	134	159	44.00-111.00	-	ACENAPHTHENE	
	FLUORENE	121	147	47.00-114.00	-	FLUORENE	
	NAPHTHALENE	116	128	38.00-111.00	-	NAPHTHALENE	

Lab Duplicate Outlier Report

Lab Reporting Batch ID: APP30 **Laboratory: LLL**

EDD Filename: APP30-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SOIL

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
DU06-S010-01-10DUP (Wet) (DU06-S010-01-10)	SELENIUM	22	20.00	J (all detects) UJ (all non-detects)
DU06-S013-01-10DUP (Wet) (DU06-S013-01-10)	ALUMINUM	27	20.00	
	ANTIMONY	37	20.00	
	ARSENIC	42	20.00	
	CALCIUM	31	20.00	
	CHROMIUM	26	20.00	
	LEAD	26	20.00	J(all detects)
	MAGNESIUM	43	20.00	UJ(all non-detects)
	MANGANESE	40	20.00	
	POTASSIUM	31	20.00	
	SELENIUM	54	20.00	
	VANADIUM	23	20.00	
	ZINC	35	20.00	

Method: 7471B
Matrix: SOIL

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
DU06-S013-01-10DUP (Wet) (DU06-S013-01-10)	MERCURY	114	20.00	J(all detects) UJ(all non-detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: APP30 **Laboratory: LLL**

EDD Filename: APP30-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SOIL

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU05-S014-01-10 (Dry)	DU05-S014-01-10D (Dry)			
ALUMINUM	3000	3150	5	30.00	No Qualifiers Applied
ARSENIC	1.67	1.72	3	30.00	
BARIUM	12.7	12.3	3	30.00	
BERYLLIUM	0.180	0.178	1	30.00	
CALCIUM	402	375	7	30.00	
CHROMIUM	5.76	5.21	10	30.00	
COBALT	1.38	1.42	3	30.00	
COPPER	2.81	2.69	4	30.00	
IRON	4410	4410	0	30.00	
LEAD	2.08	2.04	2	30.00	
MAGNESIUM	682	693	2	30.00	
MANGANESE	52.6	50.3	4	30.00	
NICKEL	2.89	2.53	13	30.00	
POTASSIUM	344	358	4	30.00	
SODIUM	48.0	49.9	4	30.00	
THALLIUM	0.0373	0.0407	9	30.00	
VANADIUM	8.18	8.01	2	30.00	
ZINC	8.03	7.58	6	30.00	

Reporting Limit Outliers

Lab Reporting Batch ID: APP30 **Laboratory: LLL**

EDD Filename: APP30-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU05-S004-00-01	ANTIMONY CADMIUM SELENIUM THALLIUM	J J J J	0.106 0.0506 0.116 0.0383	0.333 0.167 0.666 0.167	LOQ LOQ LOQ LOQ	mg/kg mg/kg mg/kg mg/kg	J (all detects)
DU05-S004-01-10	SELENIUM SODIUM THALLIUM	J J J	0.153 62.9 0.0640	0.717 71.7 0.179	LOQ LOQ LOQ	mg/kg mg/kg mg/kg	J (all detects)
DU05-S008-00-01	ANTIMONY CADMIUM SELENIUM THALLIUM	J J J J	0.0961 0.0510 0.107 0.0478	0.378 0.189 0.756 0.189	LOQ LOQ LOQ LOQ	mg/kg mg/kg mg/kg mg/kg	J (all detects)
DU05-S008-01-10	THALLIUM	J	0.0523	0.144	LOQ	mg/kg	J (all detects)
DU05-S012-00-01	ANTIMONY CADMIUM SELENIUM THALLIUM	J J J J	0.0789 0.0541 0.202 0.0624	0.320 0.160 0.640 0.160	LOQ LOQ LOQ LOQ	mg/kg mg/kg mg/kg mg/kg	J (all detects)
DU05-S012-01-10	CADMIUM SELENIUM THALLIUM	J J J	0.0279 0.135 0.0515	0.157 0.628 0.157	LOQ LOQ LOQ	mg/kg mg/kg mg/kg	J (all detects)
DU05-S013-00-01	CADMIUM SELENIUM THALLIUM	J J J	0.0598 0.177 0.0495	0.172 0.687 0.172	LOQ LOQ LOQ	mg/kg mg/kg mg/kg	J (all detects)
DU05-S013-01-10	SELENIUM SODIUM THALLIUM	J J J	0.207 64.0 0.0651	0.649 64.9 0.162	LOQ LOQ LOQ	mg/kg mg/kg mg/kg	J (all detects)
DU05-S014-00-01	CADMIUM SELENIUM SODIUM THALLIUM	J J J J	0.0382 0.120 79.3 0.0596	0.203 0.813 81.3 0.203	LOQ LOQ LOQ LOQ	mg/kg mg/kg mg/kg mg/kg	J (all detects)
DU05-S014-01-10	SODIUM THALLIUM	J J	48.0 0.0373	66.4 0.166	LOQ LOQ	mg/kg mg/kg	J (all detects)
DU05-S014-01-10D	SODIUM THALLIUM	J J	49.9 0.0407	63.3 0.158	LOQ LOQ	mg/kg mg/kg	J (all detects)
DU05-S016-00-01	ANTIMONY CADMIUM SELENIUM THALLIUM	J J J J	0.0888 0.0480 0.176 0.0521	0.372 0.186 0.745 0.186	LOQ LOQ LOQ LOQ	mg/kg mg/kg mg/kg mg/kg	J (all detects)
DU05-S016-01-10	SELENIUM SODIUM THALLIUM	J J J	0.0922 63.8 0.0519	0.729 72.9 0.182	LOQ LOQ LOQ	mg/kg mg/kg mg/kg	J (all detects)
DU06-S010-00-01	ANTIMONY CADMIUM	J J	0.225 0.0370	0.372 0.186	LOQ LOQ	mg/kg mg/kg	J (all detects)
DU06-S010-01-10	SELENIUM THALLIUM	J J	0.471 0.0706	0.649 0.162	LOQ LOQ	mg/kg mg/kg	J (all detects)
DU06-S013-00-01	ANTIMONY SILVER	J J	0.309 0.0535	0.441 0.220	LOQ LOQ	mg/kg mg/kg	J (all detects)
DU06-S013-01-10	ANTIMONY SILVER	J J	0.317 0.0462	0.365 0.182	LOQ LOQ	mg/kg mg/kg	J (all detects)

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Reporting Limit Outliers

Lab Reporting Batch ID: APP30 **Laboratory: LLL**

EDD Filename: APP30-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 7471B

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU05-S004-00-01	MERCURY	J	0.0185	0.106	LOQ	mg/kg	J (all detects)
DU05-S004-01-10	MERCURY	J	0.0132	0.100	LOQ	mg/kg	J (all detects)
DU05-S008-00-01	MERCURY	J	0.0161	0.105	LOQ	mg/kg	J (all detects)
DU05-S012-00-01	MERCURY	J	0.0262	0.119	LOQ	mg/kg	J (all detects)
DU05-S012-01-10	MERCURY	J	0.0125	0.105	LOQ	mg/kg	J (all detects)
DU05-S013-00-01	MERCURY	J	0.0319	0.112	LOQ	mg/kg	J (all detects)
DU05-S013-01-10	MERCURY	J	0.0146	0.110	LOQ	mg/kg	J (all detects)
DU05-S014-00-01	MERCURY	J	0.0197	0.109	LOQ	mg/kg	J (all detects)
DU05-S016-00-01	MERCURY	J	0.0135	0.110	LOQ	mg/kg	J (all detects)
DU06-S010-00-01	MERCURY	J	0.0489	0.113	LOQ	mg/kg	J (all detects)
DU06-S013-01-10	MERCURY	J	0.0483	0.121	LOQ	mg/kg	J (all detects)

Method: 8270D

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU06-S010-00-01	BENZALDEHYDE	J	0.12	0.19	LOQ	mg/kg	J (all detects)
	BENZOIC ACID	J	0.33	0.56	LOQ	mg/kg	
DU06-S010-01-10	2-METHYLNAPHTHALENE	J	0.015	0.020	LOQ	mg/kg	J (all detects)
	CARBAZOLE	J	0.023	0.038	LOQ	mg/kg	
	DIBENZOFURAN	J	0.024	0.038	LOQ	mg/kg	
	NAPHTHALENE	J	0.015	0.020	LOQ	mg/kg	
DU06-S013-01-10	ACENAPHTHENE	J	0.020	0.022	LOQ	mg/kg	J (all detects)
	ACENAPHTHYLENE	J	0.016	0.022	LOQ	mg/kg	
	ANTHRACENE	J	0.011	0.022	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.020	0.022	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.011	0.022	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.009	0.022	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.015	0.022	LOQ	mg/kg	

Method: 8270D SIM

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU06-S010-01-10	ACENAPHTHYLENE	J	0.0019	0.0096	LOQ	mg/kg	J (all detects)

Method Blank Outlier Report

Lab Reporting Batch ID: APP30 **Laboratory: LLL**

EDD Filename: APP30-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**
Matrix: **SOIL**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P17163HB171063708	6/30/2017 9:24:00 PM	LEAD	0.0308 mg/kg	DU06-S010-00-01 DU06-S013-01-10

Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page	1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.		
Laboratory SDG:	APP31		
Date(s) of Collection:	June 13th, 2017		
Number/Type Samples & Analyses:	20 soil samples plus 2 MS/MSD and 3 field duplicates for a project-specific list of hexavalent chromium and metals		
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA		
Completed:	November 21, 2017		

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for soil data included in Sample Delivery Group (SDG) APP31. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017.

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✓ Holding times and sample preservation

✗ Laboratory method blank data

✓ Field rinsate blank data

NA Trip blank data

✓ Laboratory control sample (LCS) recoveries

✗ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✓ Surrogate recoveries

✗ Laboratory duplicate results

✗ Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of "J" data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

This data package was revised 11/9/2017 due to the Eurofins SW6020A metals data breach. The majority of the data changes were made to Quality Control (QC) and/or calibration checks, not to actual sample results. The few field sample result changes were due to the originally reported result exceeding the linear calibration range of the instrument; those results were changed to be slightly lower than the upper limit of the calibration range.

In this package, the manganese percent recovery for LCS was not within QC specification. The CCV percent recovery of antimony, arsenic, barium, cadmium, cobalt, copper, nickel, silver, and zinc was not within QC specification. The percent recovery for cadmium in the low level check standard was not within QC specification; however the LCS was within specifications for cadmium. There were no updated qualifiers.

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
J+	The result is an estimated quantity, but the result may be biased high.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP31 **Laboratory: LLL**

EDD Filename: APP31-E_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Validation Area	*Note*
Technical Holding Times	A
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	SR
Surrogate/Tracer Spikes	N
Matrix Spike/Matrix Spike Duplicates	SR
Laboratory Duplicates	SR
Laboratory Replicates	N
Laboratory Control Samples	A
Compound Quantitation	SR
Field Duplicates	SR
Field Triplicates	N
Field Blanks	A

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP31 **Laboratory: LLL**

EDD Filename: APP31-E_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU05-S001-00-01 **Collected:** 6/13/2017 8:15:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.337	J	0.166	LOD	0.666	LOQ	mg/kg	J	Rl
THALLIUM	0.0889	J	0.0416	LOD	0.166	LOQ	mg/kg	J	Rl
SODIUM	60.2	J	16.6	LOD	66.6	LOQ	mg/kg	J	Rl

Sample ID: DU05-S001-00-01 **Collected:** 6/13/2017 8:15:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0351	J	0.0832	LOD	0.166	LOQ	mg/kg	J	Rl

Sample ID: DU05-S001-01-10 **Collected:** 6/13/2017 8:25:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.117	J	0.147	LOD	0.589	LOQ	mg/kg	J	Rl
SODIUM	46.6	J	14.7	LOD	58.9	LOQ	mg/kg	J	Rl
THALLIUM	0.0484	J	0.0368	LOD	0.147	LOQ	mg/kg	J	Rl

Sample ID: DU05-S002-00-01 **Collected:** 6/13/2017 8:30:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.134	J	0.174	LOD	0.349	LOQ	mg/kg	J	Rl
SELENIUM	0.134	J	0.174	LOD	0.697	LOQ	mg/kg	J	Rl

Sample ID: DU05-S002-00-01 **Collected:** 6/13/2017 8:30:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0324	J	0.0871	LOD	0.174	LOQ	mg/kg	J	Rl
THALLIUM	0.0730	J	0.0436	LOD	0.174	LOQ	mg/kg	J	Rl

Sample ID: DU05-S002-01-10 **Collected:** 6/13/2017 8:35:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MANGANESE	170		0.172	LOD	0.686	LOQ	mg/kg	J	Fd
SELENIUM	0.153	J	0.172	LOD	0.686	LOQ	mg/kg	J	Rl, Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP31 **Laboratory: LLL**

EDD Filename: APP31-E_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU05-S002-01-10 **Collected:** 6/13/2017 8:35:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	3.60		0.343	LOD	0.686	LOQ	mg/kg	J	Fd
CADMIUM	0.0858	U	0.0858	LOD	0.172	LOQ	mg/kg	UJ	Fd
THALLIUM	0.160	J	0.0429	LOD	0.172	LOQ	mg/kg	J	Rl

Sample ID: DU05-S002-01-10D **Collected:** 6/13/2017 8:35:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MANGANESE	243		0.167	LOD	0.668	LOQ	mg/kg	J	Fd
SELENIUM	0.286	J	0.167	LOD	0.668	LOQ	mg/kg	J	Rl, Fd

Sample ID: DU05-S002-01-10D **Collected:** 6/13/2017 8:35:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	4.96		0.334	LOD	0.668	LOQ	mg/kg	J	Fd
CADMIUM	0.0325	J	0.0834	LOD	0.167	LOQ	mg/kg	J	Rl, Fd

Sample ID: DU05-S003-00-01 **Collected:** 6/13/2017 10:30:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.327	J	0.264	LOD	1.06	LOQ	mg/kg	J	Rl

Sample ID: DU05-S003-00-01 **Collected:** 6/13/2017 10:30:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0473	J	0.132	LOD	0.264	LOQ	mg/kg	J	Rl
THALLIUM	0.153	J	0.0661	LOD	0.264	LOQ	mg/kg	J	Rl

Sample ID: DU05-S003-01-02 **Collected:** 6/13/2017 10:35:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	12800		8.62	LOD	34.5	LOQ	mg/kg	J+	Ms
BERYLLIUM	0.560		0.0215	LOD	0.172	LOQ	mg/kg	J+	Ms
LEAD	7.15		0.0431	LOD	0.345	LOQ	mg/kg	J+	Ms

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP31 **Laboratory: LLL**

EDD Filename: APP31-E_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SOIL**

Sample ID: **DU05-S003-01-02** ***Collected:*** **6/13/2017 10:35:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.421	J	0.172	LOD	0.690	LOQ	mg/kg	J	RI

Sample ID: **DU05-S003-01-02** ***Collected:*** **6/13/2017 10:35:00 AM** ***Analysis Type:*** **Reanalysis-01** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.172	U	0.172	LOD	0.345	LOQ	mg/kg	UJ	Ms, Ms
BARIUM	52.3		0.345	LOD	0.690	LOQ	mg/kg	J+	Ms
CHROMIUM	21.4		0.345	LOD	0.690	LOQ	mg/kg	J+	Ms
COPPER	7.13		0.172	LOD	0.690	LOQ	mg/kg	J+	Ms
IRON	14500		17.2	LOD	34.5	LOQ	mg/kg	J	Ms, Ms
MAGNESIUM	2730		8.62	LOD	34.5	LOQ	mg/kg	J	Ms, Ms
MANGANESE	97.4		0.172	LOD	0.690	LOQ	mg/kg	J+	Ms
NICKEL	10.3		0.172	LOD	0.690	LOQ	mg/kg	J+	Ms
POTASSIUM	1210		17.2	LOD	69.0	LOQ	mg/kg	J+	Ms
VANADIUM	32.2		0.0862	LOD	0.172	LOQ	mg/kg	J+	Ms
ZINC	27.1		2.59	LOD	5.17	LOQ	mg/kg	J+	Ms

Sample ID: **DU05-S005-00-01** ***Collected:*** **6/13/2017 8:40:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.160	J	0.186	LOD	0.744	LOQ	mg/kg	J	RI

Sample ID: **DU05-S005-00-01** ***Collected:*** **6/13/2017 8:40:00 AM** ***Analysis Type:*** **Reanalysis-01** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.0632	J	0.0465	LOD	0.186	LOQ	mg/kg	J	RI

Sample ID: **DU05-S005-01-10** ***Collected:*** **6/13/2017 8:45:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.164	J	0.173	LOD	0.691	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP31 **Laboratory: LLL**

EDD Filename: APP31-E_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU05-S005-01-10 **Collected:** 6/13/2017 8:45:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0418	J	0.0864	LOD	0.173	LOQ	mg/kg	J	RI
THALLIUM	0.0651	J	0.0432	LOD	0.173	LOQ	mg/kg	J	RI

Sample ID: DU05-S006-00-01 **Collected:** 6/13/2017 9:00:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.105	J	0.170	LOD	0.340	LOQ	mg/kg	J	RI
SELENIUM	0.134	J	0.170	LOD	0.681	LOQ	mg/kg	J	RI
SODIUM	57.2	J	17.0	LOD	68.1	LOQ	mg/kg	U	Mb

Sample ID: DU05-S006-00-01 **Collected:** 6/13/2017 9:00:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0364	J	0.0851	LOD	0.170	LOQ	mg/kg	J	RI
THALLIUM	0.0473	J	0.0426	LOD	0.170	LOQ	mg/kg	J	RI

Sample ID: DU05-S006-01-10 **Collected:** 6/13/2017 9:05:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.188	J	0.207	LOD	0.829	LOQ	mg/kg	J	RI

Sample ID: DU05-S006-01-10 **Collected:** 6/13/2017 9:05:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.180	J	0.0518	LOD	0.207	LOQ	mg/kg	J	RI

Sample ID: DU05-S006-01-10D **Collected:** 6/13/2017 9:05:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.245	J	0.194	LOD	0.775	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP31 **Laboratory: LLL**

EDD Filename: APP31-E_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SOIL**

Sample ID: **DU05-S006-01-10D** ***Collected:*** **6/13/2017 9:05:00 AM** ***Analysis Type:*** **Reanalysis-01** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.192	J	0.0485	LOD	0.194	LOQ	mg/kg	J	RI

Sample ID: **DU05-S007-00-01** ***Collected:*** **6/13/2017 10:45:00 AM** ***Analysis Type:*** **Reanalysis-01** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0655	J	0.123	LOD	0.245	LOQ	mg/kg	J	RI
SILVER	0.0459	J	0.0613	LOD	0.245	LOQ	mg/kg	J	RI

Sample ID: **DU05-S007-01-02** ***Collected:*** **6/13/2017 10:50:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.376	J	0.165	LOD	0.660	LOQ	mg/kg	J	RI

Sample ID: **DU05-S009-00-01** ***Collected:*** **6/13/2017 9:15:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.175	J	0.192	LOD	0.767	LOQ	mg/kg	J	RI
SODIUM	74.5	J	19.2	LOD	76.7	LOQ	mg/kg	J	RI

Sample ID: **DU05-S009-00-01** ***Collected:*** **6/13/2017 9:15:00 AM** ***Analysis Type:*** **Reanalysis-01** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0360	J	0.0958	LOD	0.192	LOQ	mg/kg	J	RI
THALLIUM	0.0682	J	0.0479	LOD	0.192	LOQ	mg/kg	J	RI

Sample ID: **DU05-S009-01-05** ***Collected:*** **6/13/2017 9:20:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.111	J	0.163	LOD	0.654	LOQ	mg/kg	J	RI
SODIUM	62.6	J	16.3	LOD	65.4	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP31 **Laboratory: LLL**

EDD Filename: APP31-E_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU05-S009-01-05 **Collected:** 6/13/2017 9:20:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.0536	J	0.0409	LOD	0.163	LOQ	mg/kg	J	Rl

Sample ID: DU05-S010-00-01 **Collected:** 6/13/2017 8:50:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.140	J	0.192	LOD	0.766	LOQ	mg/kg	J	Rl
SODIUM	62.9	J	19.2	LOD	76.6	LOQ	mg/kg	J	Rl

Sample ID: DU05-S010-00-01 **Collected:** 6/13/2017 8:50:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.0544	J	0.0479	LOD	0.192	LOQ	mg/kg	J	Rl

Sample ID: DU05-S010-01-10 **Collected:** 6/13/2017 8:55:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	8600		7.88	LOD	31.5	LOQ	mg/kg	J	Fd
LEAD	4.72		0.0394	LOD	0.315	LOQ	mg/kg	J	Fd
MAGNESIUM	2170		7.88	LOD	31.5	LOQ	mg/kg	J	Fd
MANGANESE	114		0.158	LOD	0.630	LOQ	mg/kg	J	Fd
SELENIUM	0.242	J	0.158	LOD	0.630	LOQ	mg/kg	J	Rl, Fd

Sample ID: DU05-S010-01-10 **Collected:** 6/13/2017 8:55:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	30.2		0.315	LOD	0.630	LOQ	mg/kg	J	Fd
CADMIUM	0.0788	U	0.0788	LOD	0.158	LOQ	mg/kg	UJ	Fd
THALLIUM	0.123	J	0.0394	LOD	0.158	LOQ	mg/kg	J	Rl, Fd
VANADIUM	20.3		0.0788	LOD	0.158	LOQ	mg/kg	J	Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP31 **Laboratory: LLL**

EDD Filename: APP31-E_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU05-S010-01-10D **Collected:** 6/13/2017 8:55:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	13500		9.48	LOD	37.9	LOQ	mg/kg	J	Fd
LEAD	9.79		0.0474	LOD	0.379	LOQ	mg/kg	J	Fd
SELENIUM	0.631	J	0.190	LOD	0.758	LOQ	mg/kg	J	Rl, Fd

Sample ID: DU05-S010-01-10D **Collected:** 6/13/2017 8:55:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	41.4		0.379	LOD	0.758	LOQ	mg/kg	J	Fd
CADMIUM	0.0364	J	0.0948	LOD	0.190	LOQ	mg/kg	J	Rl, Fd
MAGNESIUM	1470		9.48	LOD	37.9	LOQ	mg/kg	J	Fd
MANGANESE	81.1		0.190	LOD	0.758	LOQ	mg/kg	J	Fd
SODIUM	73.8	J	19.0	LOD	75.8	LOQ	mg/kg	J	Rl
THALLIUM	0.212		0.0474	LOD	0.190	LOQ	mg/kg	J	Fd
VANADIUM	27.8		0.0948	LOD	0.190	LOQ	mg/kg	J	Fd

Sample ID: DU05-S011-00-01 **Collected:** 6/13/2017 11:00:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.119	J	0.118	LOD	0.235	LOQ	mg/kg	J	Rl
SILVER	0.0555	J	0.0588	LOD	0.235	LOQ	mg/kg	J	Rl

Sample ID: DU05-S011-01-03 **Collected:** 6/13/2017 11:05:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	10200		10.1	LOD	40.4	LOQ	mg/kg	J	Ms, Ld
BARIUM	67.3		0.404	LOD	0.808	LOQ	mg/kg	J	Ms, Ld
BERYLLIUM	0.570		0.0252	LOD	0.202	LOQ	mg/kg	J	Ms, Ld
LEAD	8.51		0.0505	LOD	0.404	LOQ	mg/kg	J	Ms, Ld
SELENIUM	0.461	J	0.202	LOD	0.808	LOQ	mg/kg	J	Rl, Ld
SODIUM	98.1		20.2	LOD	80.8	LOQ	mg/kg	J	Ld
THALLIUM	0.204		0.0505	LOD	0.202	LOQ	mg/kg	J	Ms, Ld

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP31 **Laboratory: LLL**

EDD Filename: APP31-E_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SOIL**

Sample ID: **DU05-S011-01-03** ***Collected:*** **6/13/2017 11:05:00 AM** ***Analysis Type:*** **Reanalysis-01** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.202	U	0.202	LOD	0.404	LOQ	mg/kg	UJ	Ms, Ms
ARSENIC	2.77		0.404	LOD	0.808	LOQ	mg/kg	J	Ms, Ld
CALCIUM	878		40.4	LOD	80.8	LOQ	mg/kg	J+	Ms
CHROMIUM	20.7		0.404	LOD	0.808	LOQ	mg/kg	J	Ms, Ld
COBALT	3.57		0.101	LOD	0.202	LOQ	mg/kg	J	Ld
COPPER	7.69		0.202	LOD	0.808	LOQ	mg/kg	J	Ms, Ld
IRON	11400		20.2	LOD	40.4	LOQ	mg/kg	J	Ms, Ms, Ld
MAGNESIUM	2710		10.1	LOD	40.4	LOQ	mg/kg	J	Ms, Ms, Ld
MANGANESE	88.7		0.202	LOD	0.808	LOQ	mg/kg	J	Ms, Ms, Ld
NICKEL	9.99		0.202	LOD	0.808	LOQ	mg/kg	J	Ms, Ms, Ld
POTASSIUM	1350		20.2	LOD	80.8	LOQ	mg/kg	J	Ms, Ld
SILVER	0.0366	J	0.0505	LOD	0.202	LOQ	mg/kg	J	Rl, Ld
VANADIUM	25.1		0.101	LOD	0.202	LOQ	mg/kg	J	Ms, Ms, Ld
ZINC	24.4		3.03	LOD	6.06	LOQ	mg/kg	J	Ms, Ld

Sample ID: **DU05-S015-00-01** ***Collected:*** **6/13/2017 11:10:00 AM** ***Analysis Type:*** **Reanalysis-01** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.180	J	0.113	LOD	0.227	LOQ	mg/kg	J	Rl
SILVER	0.0649	J	0.0567	LOD	0.227	LOQ	mg/kg	J	Rl
THALLIUM	0.157	J	0.0567	LOD	0.227	LOQ	mg/kg	J	Rl

Sample ID: **DU05-S015-01-02** ***Collected:*** **6/13/2017 11:15:00 AM** ***Analysis Type:*** **Reanalysis-01** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.113	J	0.120	LOD	0.241	LOQ	mg/kg	J	Rl
SILVER	0.0458	J	0.0602	LOD	0.241	LOQ	mg/kg	J	Rl
THALLIUM	0.156	J	0.0602	LOD	0.241	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP31 **Laboratory: LLL**

EDD Filename: APP31-E_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7199 **Matrix: SOIL**

Sample ID: DU05-S011-01-03 **Collected:** 6/13/2017 11:05:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Hexavalent Chromium [Cr (VI)]	1.3		0.50	LOD	0.50	LOQ	mg/kg	J	Ld

Method Category: METALS

Method: 7471B **Matrix: SOIL**

Sample ID: DU05-S001-00-01 **Collected:** 6/13/2017 8:15:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0347	J	0.0195	LOD	0.117	LOQ	mg/kg	J	RI

Sample ID: DU05-S003-00-01 **Collected:** 6/13/2017 10:30:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0537	J	0.0234	LOD	0.140	LOQ	mg/kg	J	RI

Sample ID: DU05-S005-00-01 **Collected:** 6/13/2017 8:40:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0130	J	0.0176	LOD	0.105	LOQ	mg/kg	J	RI

Sample ID: DU05-S007-00-01 **Collected:** 6/13/2017 10:45:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0886	J	0.0219	LOD	0.131	LOQ	mg/kg	J	RI

Sample ID: DU05-S009-00-01 **Collected:** 6/13/2017 9:15:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0155	J	0.0187	LOD	0.112	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP31 **Laboratory: LLL**

EDD Filename: APP31-E_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **7471B** ***Matrix:*** **SOIL**

Sample ID: **DU05-S010-00-01** ***Collected:*** **6/13/2017 8:50:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0120	J	0.0172	LOD	0.103	LOQ	mg/kg	J	RI

Sample ID: **DU05-S011-00-01** ***Collected:*** **6/13/2017 11:00:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0906	J	0.0246	LOD	0.148	LOQ	mg/kg	J	RI

Sample ID: **DU05-S011-01-03** ***Collected:*** **6/13/2017 11:05:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0166	J	0.0194	LOD	0.116	LOQ	mg/kg	J	RI

Sample ID: **DU05-S015-00-01** ***Collected:*** **6/13/2017 11:10:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.111	J	0.0250	LOD	0.150	LOQ	mg/kg	J	RI

Sample ID: **DU05-S015-01-02** ***Collected:*** **6/13/2017 11:15:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.102	J	0.0247	LOD	0.148	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP31 **Laboratory: LLL**

EDD Filename: APP31-E_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Reason Code Legend

Reason Code	*Description*
Fd	Field Duplicate Precision
Ld	Laboratory Duplicate Precision
Mb	Method Blank Contamination
Ms	Matrix Spike Lower Estimation
Ms	Matrix Spike Precision
Ms	Matrix Spike Upper Estimation
Rl	Reporting Limit Trace Value

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP31 **Laboratory: LLL**

EDD Filename: APP31-E_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**
Matrix: **SOIL**

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
DU05-S003-01-02MS (Wet) DU05-S003-01-02MSD (Wet) (DU05-S003-01-02)	ANTIMONY IRON MAGNESIUM	49 3453 523	52 727 191	72.00-124.00 81.00-124.00 80.00-123.00	23 (20.00) 27 (20.00) 28 (20.00)	ANTIMONY IRON MAGNESIUM	J (all detects) UJ (all non-detects)
DU05-S003-01-02MS (Wet) DU05-S003-01-02MSD (Wet) (DU05-S003-01-02)	ALUMINUM BARIUM BERYLLIUM CHROMIUM COPPER LEAD MANGANESE NICKEL POTASSIUM VANADIUM ZINC	1650 367 125 196 139 134 420 135 164 201 211	888 228 - 125 - 122 229 - 122 138 189	78.00-124.00 86.00-116.00 80.00-120.00 83.00-119.00 84.00-119.00 84.00-118.00 85.00-116.00 84.00-119.00 85.00-119.00 82.00-116.00 82.00-119.00	- - - - - - - - - - -	ALUMINUM BARIUM BERYLLIUM CHROMIUM COPPER LEAD MANGANESE NICKEL POTASSIUM VANADIUM ZINC	J+(all detects)
DU05-S011-01-03MS (Wet) DU05-S011-01-03MSD (Wet) (DU05-S011-01-03)	ANTIMONY IRON MAGNESIUM MANGANESE NICKEL VANADIUM	41 1179 171 164 121 187	48 4474 615 648 153 305	72.00-124.00 81.00-124.00 80.00-123.00 85.00-116.00 84.00-119.00 82.00-116.00	32 (20.00) 44 (20.00) 48 (20.00) 43 (20.00) 22 (20.00) 31 (20.00)	ANTIMONY IRON MAGNESIUM MANGANESE NICKEL VANADIUM	J(all detects) UJ(all non-detects)
DU05-S011-01-03MS (Wet) DU05-S011-01-03MSD (Wet) (DU05-S011-01-03)	ALUMINUM ARSENIC BARIUM BERYLLIUM CALCIUM CHROMIUM COPPER LEAD POTASSIUM THALLIUM ZINC	1595 160 369 167 - 163 - 197 131 124 205	1849 131 463 150 125 199 132 153 148 139 218	78.00-124.00 82.00-118.00 86.00-116.00 80.00-120.00 86.00-118.00 83.00-119.00 84.00-119.00 84.00-118.00 85.00-119.00 83.00-118.00 82.00-119.00	- - - - - - - - - - -	ALUMINUM ARSENIC BARIUM BERYLLIUM CALCIUM CHROMIUM COPPER LEAD POTASSIUM THALLIUM ZINC	J+(all detects)

Lab Duplicate Outlier Report

Lab Reporting Batch ID: APP31 **Laboratory: LLL**

EDD Filename: APP31-E_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SOIL

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
DU05-S011-01-03DUP (Wet) (DU05-S011-01-03)	ALUMINUM	62	20.00	J (all detects) UJ (all non-detects)
	ARSENIC	36	20.00	
	BARIUM	47	20.00	
	BERYLLIUM	44	20.00	
	CHROMIUM	40	20.00	
	COBALT	57	20.00	
	COPPER	36	20.00	
	IRON	60	20.00	
	LEAD	22	20.00	
	MAGNESIUM	59	20.00	
	MANGANESE	47	20.00	
	NICKEL	49	20.00	
	POTASSIUM	55	20.00	
	SELENIUM	24	20.00	
	SILVER	200	20.00	
	SODIUM	40	20.00	
	THALLIUM	46	20.00	
	VANADIUM	53	20.00	
	ZINC	47	20.00	

Method: 7199
Matrix: SOIL

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
DU05-S011-01-03DUP (Wet) (DU05-S011-01-03)	Hexavalent Chromium [Cr (VI)]	128	20.00	J(all detects) UJ(all non-detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: APP31 **Laboratory: LLL**

EDD Filename: APP31-E_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SOIL

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU05-S010-01-10 (Dry)	DU05-S010-01-10D (Dry)			
ARSENIC	2.71	2.26	18	30.00	No Qualifiers Applied
BERYLLIUM	0.428	0.544	24	30.00	
CALCIUM	514	394	26	30.00	
CHROMIUM	13.3	15.9	18	30.00	
COBALT	3.14	2.71	15	30.00	
COPPER	5.22	4.94	6	30.00	
IRON	11200	13900	22	30.00	
NICKEL	6.47	8.48	27	30.00	
POTASSIUM	752	662	13	30.00	
SODIUM	84.2	73.8	13	30.00	
ZINC	19.0	22.2	16	30.00	
ALUMINUM	8600	13500	44	30.00	J(all detects) UJ(all non-detects)
BARIUM	30.2	41.4	31	30.00	
CADMIUM	0.158 U	0.0364	200	30.00	
LEAD	4.72	9.79	70	30.00	
MAGNESIUM	2170	1470	38	30.00	
MANGANESE	114	81.1	34	30.00	
SELENIUM	0.242	0.631	89	30.00	
THALLIUM	0.123	0.212	53	30.00	
VANADIUM	20.3	27.8	31	30.00	

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU05-S002-01-10 (Dry)	DU05-S002-01-10D (Dry)			
ALUMINUM	11200	14600	26	30.00	No Qualifiers Applied
BARIUM	49.2	52.7	7	30.00	
BERYLLIUM	0.550	0.698	24	30.00	
CALCIUM	765	586	26	30.00	
CHROMIUM	18.6	22.3	18	30.00	
COBALT	4.85	5.81	18	30.00	
COPPER	7.57	10.0	28	30.00	
IRON	14700	19700	29	30.00	
LEAD	5.98	7.08	17	30.00	
MAGNESIUM	3440	4120	18	30.00	
NICKEL	9.50	11.5	19	30.00	
POTASSIUM	1370	1620	17	30.00	
SODIUM	136	137	1	30.00	
THALLIUM	0.160	0.188	16	30.00	
VANADIUM	28.4	34.6	20	30.00	
ZINC	27.7	30.4	9	30.00	
ARSENIC	3.60	4.96	32	30.00	J(all detects) UJ(all non-detects)
CADMIUM	0.172 U	0.0325	200	30.00	
MANGANESE	170	243	35	30.00	
SELENIUM	0.153	0.286	61	30.00	

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU05-S006-01-10 (Dry)	DU05-S006-01-10D (Dry)			

Project Name and Number: Camp Hero - Camp Hero

Field Duplicate RPD Report

Lab Reporting Batch ID: APP31 **Laboratory: LLL**

EDD Filename: APP31-E_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SOIL

ALUMINUM	11900	11500	3	30.00	
ARSENIC	3.67	4.20	13	30.00	
BARIUM	48.6	45.5	7	30.00	
BERYLLIUM	0.665	0.627	6	30.00	
CALCIUM	780	774	1	30.00	
CHROMIUM	18.4	17.5	5	30.00	
COBALT	4.78	6.29	27	30.00	
COPPER	7.40	7.15	3	30.00	
IRON	14800	15600	5	30.00	
LEAD	6.37	6.05	5	30.00	No Qualifiers Applied
MAGNESIUM	3350	3130	7	30.00	
MANGANESE	184	237	25	30.00	
NICKEL	10.6	8.93	17	30.00	
POTASSIUM	1300	1190	9	30.00	
SELENIUM	0.188	0.245	26	30.00	
SODIUM	158	131	19	30.00	
THALLIUM	0.180	0.192	6	30.00	
VANADIUM	28.2	28.2	0	30.00	
ZINC	27.8	24.1	14	30.00	

Reporting Limit Outliers

Lab Reporting Batch ID: APP31 **Laboratory: LLL**

EDD Filename: APP31-E_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU05-S001-00-01	CADMIUM	J	0.0351	0.166	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.337	0.666	LOQ	mg/kg	
	SODIUM	J	60.2	66.6	LOQ	mg/kg	
	THALLIUM	J	0.0889	0.166	LOQ	mg/kg	
DU05-S001-01-10	SELENIUM	J	0.117	0.589	LOQ	mg/kg	J (all detects)
	SODIUM	J	46.6	58.9	LOQ	mg/kg	
	THALLIUM	J	0.0484	0.147	LOQ	mg/kg	
DU05-S002-00-01	ANTIMONY	J	0.134	0.349	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.0324	0.174	LOQ	mg/kg	
	SELENIUM	J	0.134	0.697	LOQ	mg/kg	
	THALLIUM	J	0.0730	0.174	LOQ	mg/kg	
DU05-S002-01-10	SELENIUM	J	0.153	0.686	LOQ	mg/kg	J (all detects)
	THALLIUM	J	0.160	0.172	LOQ	mg/kg	
DU05-S002-01-10D	CADMIUM	J	0.0325	0.167	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.286	0.668	LOQ	mg/kg	
DU05-S003-00-01	CADMIUM	J	0.0473	0.264	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.327	1.06	LOQ	mg/kg	
	THALLIUM	J	0.153	0.264	LOQ	mg/kg	
DU05-S003-01-02	SELENIUM	J	0.421	0.690	LOQ	mg/kg	J (all detects)
DU05-S005-00-01	SELENIUM	J	0.160	0.744	LOQ	mg/kg	J (all detects)
	THALLIUM	J	0.0632	0.186	LOQ	mg/kg	
DU05-S005-01-10	CADMIUM	J	0.0418	0.173	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.164	0.691	LOQ	mg/kg	
	THALLIUM	J	0.0651	0.173	LOQ	mg/kg	
DU05-S006-00-01	ANTIMONY	J	0.105	0.340	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.0364	0.170	LOQ	mg/kg	
	SELENIUM	J	0.134	0.681	LOQ	mg/kg	
	SODIUM	J	57.2	68.1	LOQ	mg/kg	
	THALLIUM	J	0.0473	0.170	LOQ	mg/kg	
DU05-S006-01-10	SELENIUM	J	0.188	0.829	LOQ	mg/kg	J (all detects)
	THALLIUM	J	0.180	0.207	LOQ	mg/kg	
DU05-S006-01-10D	SELENIUM	J	0.245	0.775	LOQ	mg/kg	J (all detects)
	THALLIUM	J	0.192	0.194	LOQ	mg/kg	
DU05-S007-00-01	CADMIUM	J	0.0655	0.245	LOQ	mg/kg	J (all detects)
	SILVER	J	0.0459	0.245	LOQ	mg/kg	
DU05-S007-01-02	SELENIUM	J	0.376	0.660	LOQ	mg/kg	J (all detects)
DU05-S009-00-01	CADMIUM	J	0.0360	0.192	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.175	0.767	LOQ	mg/kg	
	SODIUM	J	74.5	76.7	LOQ	mg/kg	
	THALLIUM	J	0.0682	0.192	LOQ	mg/kg	
DU05-S009-01-05	SELENIUM	J	0.111	0.654	LOQ	mg/kg	J (all detects)
	SODIUM	J	62.6	65.4	LOQ	mg/kg	
	THALLIUM	J	0.0536	0.163	LOQ	mg/kg	
DU05-S010-00-01	SELENIUM	J	0.140	0.766	LOQ	mg/kg	J (all detects)
	SODIUM	J	62.9	76.6	LOQ	mg/kg	
	THALLIUM	J	0.0544	0.192	LOQ	mg/kg	
DU05-S010-01-10	SELENIUM	J	0.242	0.630	LOQ	mg/kg	J (all detects)
	THALLIUM	J	0.123	0.158	LOQ	mg/kg	

Project Name and Number: Camp Hero - Camp Hero

Reporting Limit Outliers

Lab Reporting Batch ID: APP31 **Laboratory: LLL**

EDD Filename: APP31-E_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU05-S010-01-10D	CADMIUM	J	0.0364	0.190	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.631	0.758	LOQ	mg/kg	
	SODIUM	J	73.8	75.8	LOQ	mg/kg	
DU05-S011-00-01	CADMIUM	J	0.119	0.235	LOQ	mg/kg	J (all detects)
	SILVER	J	0.0555	0.235	LOQ	mg/kg	
DU05-S011-01-03	SELENIUM	J	0.461	0.808	LOQ	mg/kg	J (all detects)
	SILVER	J	0.0366	0.202	LOQ	mg/kg	
DU05-S015-00-01	CADMIUM	J	0.180	0.227	LOQ	mg/kg	J (all detects)
	SILVER	J	0.0649	0.227	LOQ	mg/kg	
	THALLIUM	J	0.157	0.227	LOQ	mg/kg	
DU05-S015-01-02	CADMIUM	J	0.113	0.241	LOQ	mg/kg	J (all detects)
	SILVER	J	0.0458	0.241	LOQ	mg/kg	
	THALLIUM	J	0.156	0.241	LOQ	mg/kg	

Method: 7471B

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU05-S001-00-01	MERCURY	J	0.0347	0.117	LOQ	mg/kg	J (all detects)
DU05-S003-00-01	MERCURY	J	0.0537	0.140	LOQ	mg/kg	J (all detects)
DU05-S005-00-01	MERCURY	J	0.0130	0.105	LOQ	mg/kg	J (all detects)
DU05-S007-00-01	MERCURY	J	0.0886	0.131	LOQ	mg/kg	J (all detects)
DU05-S009-00-01	MERCURY	J	0.0155	0.112	LOQ	mg/kg	J (all detects)
DU05-S010-00-01	MERCURY	J	0.0120	0.103	LOQ	mg/kg	J (all detects)
DU05-S011-00-01	MERCURY	J	0.0906	0.148	LOQ	mg/kg	J (all detects)
DU05-S011-01-03	MERCURY	J	0.0166	0.116	LOQ	mg/kg	J (all detects)
DU05-S015-00-01	MERCURY	J	0.111	0.150	LOQ	mg/kg	J (all detects)
DU05-S015-01-02	MERCURY	J	0.102	0.148	LOQ	mg/kg	J (all detects)

Method Blank Outlier Report

Lab Reporting Batch ID: APP31 **Laboratory: LLL**

EDD Filename: APP31-E_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**
Matrix: **SOIL**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P17263EB172063705	7/13/2017 2:55:00 PM	LEAD MANGANESE SODIUM ZINC	0.0284 mg/kg 1.49 mg/kg 11.5 mg/kg 0.863 mg/kg	DU05-S002-00-01 DU05-S002-01-10 DU05-S002-01-10D DU05-S003-00-01 DU05-S003-01-02 DU05-S005-00-01 DU05-S005-01-10 DU05-S006-00-01 DU05-S006-01-10 DU05-S006-01-10D DU05-S007-00-01 DU05-S007-01-02 DU05-S009-00-01 DU05-S009-01-05 DU05-S010-00-01 DU05-S010-01-10 DU05-S010-01-10D DU05-S015-00-01 DU05-S015-01-02

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
DU05-S006-00-01(Initial)	SODIUM	57.2 mg/kg	68.1U mg/kg

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Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page	1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.		
Laboratory SDG:	APP32		
Date(s) of Collection:	June 13th, 2017		
Number/Type Samples & Analyses:	40 soil samples plus 3 duplicates for a project-specific list of SVOCs and PAHs		
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA		
Completed:	August 21th, 2017		

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for soil data included in Sample Delivery Group (SDG) APP32. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017.

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✓ Holding times and sample preservation

✗ Laboratory method blank data

✓ Field rinsate blank data

NA Trip blank data

✓ Laboratory control sample (LCS) recoveries

✓ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✓ Surrogate recoveries

✗ Laboratory duplicate results

✗ Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of "J" data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

All the soil samples were run for regular 8270 and 8270 SIM except for DU12-S006-00-01, DU12-S007-00-01, DU12-S010-00-01, and DU16-S013-00-01). The final results will be presented in 8270 SIM.

Analytes in method 8270D were over calibration in sample DU12-S007-00-01 (fluoranthene). The sample was diluted and re-analyzed. The analytes were within calibration. All results will be presented in the initial analysis except for these analytes.

Analytes in method 8270D SIM were over calibration in sample DU16-S005-00-01 (fluoranthene and pyrene). The sample was diluted and re-analyzed. The analytes were within calibration. All results will be presented in the initial analysis except for these analytes.

These 8270D SIM samples were re-extracted (past hold time) and re-analyzed because target analytes (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, chrysene, fluoranthene, naphthalene, and pyrene) were detected in the method blank: DU16-S010-00-01, DU16-S010-01-10, DU16-S006-00-01, DU16-S006-01-10, and DU16-S009-01-10. All these samples will be presented in 8270D results.

The extraction to analysis holding time for 8270D SIM was missed for a batch of samples by a day for samples DU16-S013-01-10, DU16-S001-00-01, DU16-S001-01-10, DU16-S002-00-01, DU16-S002-01-10, DU16-S014-00-01, DU16-S014-01-10, DU16-S011-00-01, DU16-S011-01-10, DU16-S016-00-01, DU16-S016-01-10, DU16-S008-00-01, DU16-S008-01-10, DU16-S004-00-01, and DU16-S004-01-10. Detected analytes were flagged as J- and non-detected analytes were UJ.

The following table defines the data qualifiers assigned by ADR.

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Validation Area	*Note*
Technical Holding Times	SR
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	SR
Surrogate/Tracer Spikes	A
Matrix Spike/Matrix Spike Duplicates	N
Laboratory Duplicates	N
Laboratory Replicates	N
Laboratory Control Samples	SR
Compound Quantitation	SR
Field Duplicates	SR
Field Triplicates	N
Field Blanks	SR

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU12-S006-00-01 **Collected:** 6/13/2017 3:05:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.090	J	0.036	LOD	0.093	LOQ	mg/kg	J	RI

Sample ID: DU12-S006-01-10 **Collected:** 6/13/2017 3:10:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.006	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
Benzo (g,h,i) perylene	0.006	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.008	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.009	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.007	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.012	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.017	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.007	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.011	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: DU12-S007-00-01 **Collected:** 6/13/2017 3:15:00 PM **Analysis Type:** Dilution-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.072	U	0.072	LOD	0.072	LOQ	mg/kg	NP	ProfJudg
2-Methylphenol (o-Cresol)	0.072	U	0.072	LOD	0.072	LOQ	mg/kg	NP	ProfJudg
4-Chloroaniline [p-Chloroaniline]	0.14	U	0.14	LOD	0.14	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU12-S007-00-01 **Collected:** 6/13/2017 3:15:00 PM **Analysis Type:** Dilution-01-ACID **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.072	U	0.072	LOD	0.072	LOQ	mg/kg	NP	ProfJudg
4-CHLORO-3-METHYLPHENOL	0.072	U	0.072	LOD	0.072	LOQ	mg/kg	NP	ProfJudg
BENZOIC ACID	1.1	U	1.1	LOD	1.1	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU12-S007-00-01 **Collected:** 6/13/2017 3:15:00 PM **Analysis Type:** Dilution-01-BASE/NEUTRAL **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	0.072	U	0.072	LOD	0.072	LOQ	mg/kg	NP	ProfJudg
1-METHYLNAPHTHALENE	0.071		0.014	LOD	0.037	LOQ	mg/kg	NP	ProfJudg
2-CHLORONAPHTHALENE	0.029	U	0.029	LOD	0.072	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.061		0.014	LOD	0.037	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.33		0.014	LOD	0.037	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.055		0.014	LOD	0.037	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.80		0.014	LOD	0.037	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	2.3		0.014	LOD	0.037	LOQ	mg/kg	NP	ProfJudg
BENZALDEHYDE	0.29	U	0.29	LOD	0.36	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	1.3		0.014	LOD	0.037	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	2.4		0.014	LOD	0.037	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	3.1		0.014	LOD	0.037	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	1.5		0.014	LOD	0.037	LOQ	mg/kg	NP	ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	0.29	U	0.29	LOD	0.37	LOQ	mg/kg	NP	ProfJudg
Butyl benzyl phthalate	0.29	U	0.29	LOD	0.36	LOQ	mg/kg	NP	ProfJudg
CAPROLACTAM	0.29	U	0.29	LOD	0.36	LOQ	mg/kg	NP	ProfJudg
CARBAZOLE	0.26		0.072	LOD	0.072	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	2.3		0.014	LOD	0.037	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.42		0.014	LOD	0.037	LOQ	mg/kg	NP	ProfJudg
DIBENZOFURAN	0.22		0.072	LOD	0.072	LOQ	mg/kg	NP	ProfJudg
DIETHYL PHTHALATE	0.29	U	0.29	LOD	0.36	LOQ	mg/kg	NP	ProfJudg
DIMETHYL PHTHALATE	0.29	U	0.29	LOD	0.36	LOQ	mg/kg	NP	ProfJudg
DI-N-BUTYL PHTHALATE	0.29	U	0.29	LOD	0.36	LOQ	mg/kg	NP	ProfJudg
DI-N-OCTYL PHTHALATE	0.29	U	0.29	LOD	0.36	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.42		0.014	LOD	0.037	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU12-S007-00-01 **Collected:** 6/13/2017 3:15:00 PM **Analysis Type:** Dilution-01-BASE/ NEUTRAL **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
INDENO(1,2,3-CD)PYRENE	1.3		0.014	LOD	0.037	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.078		0.014	LOD	0.037	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	3.4		0.014	LOD	0.037	LOQ	mg/kg	NP	ProfJudg
PYRENE	4.4		0.014	LOD	0.037	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU12-S007-00-01 **Collected:** 6/13/2017 3:15:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.023	J	0.036	LOD	0.036	LOQ	mg/kg	J	RI

Sample ID: DU12-S007-00-01 **Collected:** 6/13/2017 3:15:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORANTHENE	5.4	E	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU12-S007-01-10 **Collected:** 6/13/2017 3:20:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.006	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, Fd, ProfJudg
ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.017	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, Fd, ProfJudg
Benzo (g,h,i) perylene	0.008	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, Fd, ProfJudg
BENZO(A)PYRENE	0.011	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, Fd, ProfJudg
BENZO(B)FLUORANTHENE	0.013	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.006	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, Fd, ProfJudg
CHRYSENE	0.034		0.007	LOD	0.019	LOQ	mg/kg	NP	Fd, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.015	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, Fd, ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU12-S007-01-10 **Collected:** 6/13/2017 3:20:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
INDENO(1,2,3-CD)PYRENE	0.006	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
PYRENE	0.013	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg

Sample ID: DU12-S007-01-10D **Collected:** 6/13/2017 3:20:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	Fd, ProfJudg
ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.006	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
Benzo (g,h,i) perylene	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
BENZO(A)PYRENE	0.008	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
BENZO(B)FLUORANTHENE	0.01	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
BENZO(K)FLUORANTHENE	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
CHRYSENE	0.006	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.01	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	Fd, ProfJudg
PYRENE	0.009	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg

Sample ID: DU12-S010-00-01 **Collected:** 6/13/2017 2:10:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.040	J	0.036	LOD	0.092	LOQ	mg/kg	NP	Rl, ProfJudg
2-METHYLNAPHTHALENE	0.054	J	0.036	LOD	0.092	LOQ	mg/kg	NP	Rl, ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU12-S010-00-01 **Collected:** 6/13/2017 2:10:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.094		0.036	LOD	0.092	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.12		0.036	LOD	0.092	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.30		0.036	LOD	0.092	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	1.1		0.036	LOD	0.092	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	1.8		0.036	LOD	0.092	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	2.1		0.036	LOD	0.092	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	2.7		0.036	LOD	0.092	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	1.2		0.036	LOD	0.092	LOQ	mg/kg	NP	ProfJudg
CARBAZOLE	0.15	J	0.18	LOD	0.18	LOQ	mg/kg	J	RI
CHRYSENE	1.3		0.036	LOD	0.092	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.46		0.036	LOD	0.092	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	2.4		0.036	LOD	0.092	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.12		0.036	LOD	0.092	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	1.8		0.036	LOD	0.092	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.057	J	0.036	LOD	0.092	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	1.0		0.036	LOD	0.092	LOQ	mg/kg	NP	ProfJudg
PYRENE	3.0		0.036	LOD	0.092	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU12-S010-01-10 **Collected:** 6/13/2017 2:15:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
Benzo (g,h,i) perylene	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	Fd, ProfJudg
BENZO(A)PYRENE	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU12-S010-01-10 **Collected:** 6/13/2017 2:15:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.009	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	Fd, ProfJudg
PHENANTHRENE	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
PYRENE	0.008	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg

Sample ID: DU12-S010-01-10D **Collected:** 6/13/2017 2:15:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
Benzo (g,h,i) perylene	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
BENZO(A)PYRENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
BENZO(B)FLUORANTHENE	0.006	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
BENZO(K)FLUORANTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.008	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.025		0.007	LOD	0.019	LOQ	mg/kg	NP	Fd, ProfJudg
PHENANTHRENE	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
PYRENE	0.007	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU12-S015-00-01 **Collected:** 6/13/2017 2:30:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.01	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
2-METHYLNAPHTHALENE	0.014	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHENE	0.004	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHYLENE	0.004	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.014	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.044		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.035		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.049		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.077		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.031		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.048		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.009	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.089		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.006	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.032		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.010	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.048		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.075		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU12-S015-01-10 **Collected:** 6/13/2017 2:35:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU12-S015-01-10 **Collected:** 6/13/2017 2:35:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: DU16-S001-00-01 **Collected:** 6/13/2017 9:05:00 AM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.021	J	0.041	LOD	0.041	LOQ	mg/kg	J	RI

Sample ID: DU16-S001-00-01 **Collected:** 6/13/2017 9:05:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.006	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHYLENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.017	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.066		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.048		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.084		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.11		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.051		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.075		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.012	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.17		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.005	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.046		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU16-S001-00-01 **Collected:** 6/13/2017 9:05:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NAPHTHALENE	0.006	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.078		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.14		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU16-S001-01-10 **Collected:** 6/13/2017 9:10:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.024	U	0.024	LOD	0.062	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.024	U	0.024	LOD	0.062	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.024	U	0.024	LOD	0.062	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.024	U	0.024	LOD	0.062	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.013	J	0.024	LOD	0.062	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.023	J	0.024	LOD	0.062	LOQ	mg/kg	NP	RI, ProfJudg
Benzo (g,h,i) perylene	0.026	J	0.024	LOD	0.062	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.042	J	0.024	LOD	0.062	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.052	J	0.024	LOD	0.062	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.020	J	0.024	LOD	0.062	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.044	J	0.024	LOD	0.062	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.024	U	0.024	LOD	0.062	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.092		0.024	LOD	0.062	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.024	U	0.024	LOD	0.062	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.020	J	0.024	LOD	0.062	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.024	U	0.024	LOD	0.062	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.038	J	0.024	LOD	0.062	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.12		0.024	LOD	0.062	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU16-S002-00-01 **Collected:** 6/13/2017 9:25:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU16-S002-00-01 **Collected:** 6/13/2017 9:25:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.013	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.061		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.043		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.073		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.10		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.051		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.069		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.013	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.14		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.006	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.042		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.006	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.067		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.13		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU16-S002-01-10 **Collected:** 6/13/2017 9:30:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.006	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
Benzo (g,h,i) perylene	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.006	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.008	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.006	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.013	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU16-S002-01-10 **Collected:** 6/13/2017 9:30:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.006	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.012	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: DU16-S003-00-01 **Collected:** 6/13/2017 11:40:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.005	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.011	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.013	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
Benzo (g,h,i) perylene	0.020		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.017	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.037		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.013	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.020		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.021		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.015	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.021		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.020		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU16-S003-01-10 **Collected:** 6/13/2017 11:45:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU16-S003-01-10 **Collected:** 6/13/2017 11:45:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.004	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU16-S004-00-01 **Collected:** 6/13/2017 11:55:00 AM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.19	J	0.55	LOD	0.55	LOQ	mg/kg	J	RI

Sample ID: DU16-S004-00-01 **Collected:** 6/13/2017 11:55:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.006	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.036		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU16-S004-00-01 **Collected:** 6/13/2017 11:55:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Benzo (g,h,i) perylene	0.032		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.053		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.074		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.027		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.045		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.01	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.081		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.032		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.031		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.073		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU16-S004-01-10 **Collected:** 6/13/2017 12:00:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.006	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU16-S004-01-10 **Collected:** 6/13/2017 12:00:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
PHENANTHRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.005	J	0.008	LOD	0.020	LOQ	mg/kg	NP	Rl, ProfJudg

Sample ID: DU16-S005-00-01 **Collected:** 6/13/2017 8:50:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.033		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.046		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.16		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.064		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.085		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.29		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.10		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.31		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.017	J	0.008	LOD	0.020	LOQ	mg/kg	NP	Rl, ProfJudg
FLUORANTHENE	0.86		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.008	J	0.008	LOD	0.020	LOQ	mg/kg	NP	Rl, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.070		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.15		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.65		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU16-S005-01-10 **Collected:** 6/13/2017 8:55:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU16-S005-01-10 **Collected:** 6/13/2017 8:55:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.006	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU16-S006-00-01 **Collected:** 6/13/2017 9:45:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.013	J	0.008	LOD	0.020	LOQ	mg/kg	J	RI
Benzo (g,h,i) perylene	0.010	J	0.008	LOD	0.020	LOQ	mg/kg	J	RI
BENZO(A)PYRENE	0.017	J	0.008	LOD	0.020	LOQ	mg/kg	J	RI
BENZO(K)FLUORANTHENE	0.011	J	0.008	LOD	0.020	LOQ	mg/kg	J	RI
CHRYSENE	0.015	J	0.008	LOD	0.020	LOQ	mg/kg	J	RI
DIBENZO(A,H)ANTHRACENE	0.004	J	0.008	LOD	0.020	LOQ	mg/kg	J	RI
INDENO(1,2,3-CD)PYRENE	0.011	J	0.008	LOD	0.020	LOQ	mg/kg	J	RI
PHENANTHRENE	0.013	J	0.008	LOD	0.020	LOQ	mg/kg	J	RI

Sample ID: DU16-S006-01-10 **Collected:** 6/13/2017 9:50:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	J	RI
NAPHTHALENE	0.015	J	0.007	LOD	0.019	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU16-S007-00-01 **Collected:** 6/13/2017 11:20:00 AM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.25	J	0.57	LOD	0.57	LOQ	mg/kg	J	RI

Sample ID: DU16-S007-00-01 **Collected:** 6/13/2017 11:20:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.011	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHYLENE	0.005	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.025		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.12		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.074		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.12		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.17		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.089		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.14		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.021		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.29		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.009	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.074		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.13		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.24		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU16-S007-01-10 **Collected:** 6/13/2017 11:25:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	Fd, ProfJudg
2-CHLORONAPHTHALENE	0.016	U	0.016	LOD	0.041	LOQ	mg/kg	UJ	Fd
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	Fd, ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	Fd, ProfJudg
ACENAPHTHYLENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU16-S007-01-10 **Collected:** 6/13/2017 11:25:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.006	J	0.008	LOD	0.021	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
BENZ(A)ANTHRACENE	0.025		0.008	LOD	0.021	LOQ	mg/kg	NP	Fd, ProfJudg
Benzo (g,h,i) perylene	0.014	J	0.008	LOD	0.021	LOQ	mg/kg	NP	Rl, ProfJudg
BENZO(A)PYRENE	0.024		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.036		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.012	J	0.008	LOD	0.021	LOQ	mg/kg	NP	Rl, ProfJudg
CHRYSENE	0.027		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.004	J	0.008	LOD	0.021	LOQ	mg/kg	NP	Rl, ProfJudg
FLUORANTHENE	0.056		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.015	J	0.008	LOD	0.021	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
NAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	Fd, ProfJudg
PHENANTHRENE	0.025		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.045		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU16-S007-01-10D **Collected:** 6/13/2017 11:25:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.004	J	0.008	LOD	0.020	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
2-CHLORONAPHTHALENE	0.016	J	0.016	LOD	0.039	LOQ	mg/kg	J	Rl, Fd
2-METHYLNAPHTHALENE	0.006	J	0.008	LOD	0.020	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
ACENAPHTHENE	0.004	J	0.008	LOD	0.020	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
ACENAPHTHYLENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.004	J	0.008	LOD	0.020	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
BENZ(A)ANTHRACENE	0.016	J	0.008	LOD	0.020	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
Benzo (g,h,i) perylene	0.011	J	0.008	LOD	0.020	LOQ	mg/kg	NP	Rl, ProfJudg
BENZO(A)PYRENE	0.021		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.029		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.011	J	0.008	LOD	0.020	LOQ	mg/kg	NP	Rl, ProfJudg
CHRYSENE	0.022		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.004	J	0.008	LOD	0.020	LOQ	mg/kg	NP	Rl, ProfJudg
FLUORANTHENE	0.044		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU16-S007-01-10D **Collected:** 6/13/2017 11:25:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.011	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, Fd, ProfJudg
NAPHTHALENE	0.008	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, Fd, ProfJudg
PHENANTHRENE	0.023		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.037		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU16-S008-00-01 **Collected:** 6/13/2017 12:35:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.009	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.023		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.022		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.034		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.050		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.024		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.033		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.006	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.055		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.023		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.023		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.055		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU16-S008-01-10 **Collected:** 6/13/2017 12:40:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU16-S008-01-10 **Collected:** 6/13/2017 12:40:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU16-S009-00-01 **Collected:** 6/13/2017 8:35:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.005	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.025		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.021		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.032		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.044		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.025		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.030		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU16-S009-00-01 **Collected:** 6/13/2017 8:35:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DIBENZO(A,H)ANTHRACENE	0.006	J	0.007	LOD	0.018	LOQ	mg/kg	NP	Rl, ProfJudg
FLUORANTHENE	0.056		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.020		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.023		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.051		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU16-S010-00-01 **Collected:** 6/13/2017 10:05:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(A)PYRENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	J	Rl
BENZO(B)FLUORANTHENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	J	Rl
FLUORANTHENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	J	Rl
PYRENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	J	Rl

Sample ID: DU16-S010-01-10 **Collected:** 6/13/2017 10:10:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.005	J	0.008	LOD	0.020	LOQ	mg/kg	J	Rl
ACENAPHTHENE	0.005	J	0.008	LOD	0.020	LOQ	mg/kg	J	Rl
PHENANTHRENE	0.004	J	0.008	LOD	0.020	LOQ	mg/kg	J	Rl

Sample ID: DU16-S011-00-01 **Collected:** 6/13/2017 11:00:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.014	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU16-S011-00-01 **Collected:** 6/13/2017 11:00:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Benzo (g,h,i) perylene	0.01	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.016	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.020		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.01	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.013	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.028		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.01	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.012	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.025		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU16-S011-01-10 **Collected:** 6/13/2017 11:05:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU16-S011-01-10 **Collected:** 6/13/2017 11:05:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
PHENANTHRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU16-S012-00-01 **Collected:** 6/13/2017 12:45:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.008	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHYLENE	0.008	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.023		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.13		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.10		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.16		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.24		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.095		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.16		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.028		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.31		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.008	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.098		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.12		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.27		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU16-S012-01-10 **Collected:** 6/13/2017 12:50:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU16-S012-01-10 **Collected:** 6/13/2017 12:50:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: DU16-S013-00-01 **Collected:** 6/13/2017 8:15:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	J	0.008	LOD	0.021	LOQ	mg/kg	J	RI
2-METHYLNAPHTHALENE	0.008	J	0.008	LOD	0.021	LOQ	mg/kg	J	RI
ACENAPHTHYLENE	0.012	J	0.008	LOD	0.021	LOQ	mg/kg	J	RI
CARBAZOLE	0.037	J	0.041	LOD	0.041	LOQ	mg/kg	J	RI

Sample ID: DU16-S013-01-10 **Collected:** 6/13/2017 8:20:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.007	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.026		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU16-S013-01-10 **Collected:** 6/13/2017 8:20:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Benzo (g,h,i) perylene	0.016	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.030		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.045		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.018	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.026		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.006	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.066		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.016	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.033		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.058		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU16-S014-00-01 **Collected:** 6/13/2017 10:30:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU16-S014-00-01 **Collected:** 6/13/2017 10:30:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
PHENANTHRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU16-S014-01-10 **Collected:** 6/13/2017 10:35:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU16-S015-00-01 **Collected:** 6/13/2017 10:45:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU16-S015-00-01 **Collected:** 6/13/2017 10:45:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.020		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.024		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.030		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.035		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.017	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.020		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.021		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.021		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.008	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.021		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU16-S015-01-10 **Collected:** 6/13/2017 10:50:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.006	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU16-S015-01-10 **Collected:** 6/13/2017 10:50:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
INDENO(1,2,3-CD)PYRENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.006	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.004	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.005	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: DU16-S016-00-01 **Collected:** 6/13/2017 1:05:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.039		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.078		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.042		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.076		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.099		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.042		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.077		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.012	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.17		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.007	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.047		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.075		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.14		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU16-S016-01-10 **Collected:** 6/13/2017 1:10:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix: SOIL**

Sample ID: DU16-S016-01-10 **Collected:** 6/13/2017 1:10:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.004	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

Method Category: SVOA

Method: 8270D SIM **Matrix: SOIL**

Sample ID: DU12-S006-01-10 **Collected:** 6/13/2017 3:10:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.0015	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
DIBENZO(A,H)ANTHRACENE	0.00081	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI

Sample ID: DU12-S007-01-10 **Collected:** 6/13/2017 3:20:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.00078	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
BENZ(A)ANTHRACENE	0.0069		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
BENZO(A)PYRENE	0.0087		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU12-S007-01-10 **Collected:** 6/13/2017 3:20:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(B)FLUORANTHENE	0.014		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
BENZO(G,H,I)PERYLENE	0.0028		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
DIBENZO(A,H)ANTHRACENE	0.0011	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Rl, Fd
INDENO(1,2,3-CD)PYRENE	0.0032		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
NAPHTHALENE	0.00087	J	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	Eb, Fd

Sample ID: DU12-S007-01-10D **Collected:** 6/13/2017 3:20:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.00067	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Rl
BENZ(A)ANTHRACENE	0.0048		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
BENZO(A)PYRENE	0.0062		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
BENZO(B)FLUORANTHENE	0.0092		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
BENZO(G,H,I)PERYLENE	0.0020		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
DIBENZO(A,H)ANTHRACENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	Fd
INDENO(1,2,3-CD)PYRENE	0.0022		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
NAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	Fd

Sample ID: DU12-S010-01-10 **Collected:** 6/13/2017 2:15:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	Fd
2-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	Fd
ACENAPHTHENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	Fd
ANTHRACENE	0.00070	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl, Fd
BENZ(A)ANTHRACENE	0.0025		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd
BENZO(A)PYRENE	0.0029		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd
BENZO(G,H,I)PERYLENE	0.0010	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl, Fd
BENZO(K)FLUORANTHENE	0.0023		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd
CHRYSENE	0.0029		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd
DIBENZO(A,H)ANTHRACENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	Fd
FLUORENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU12-S010-01-10 **Collected:** 6/13/2017 2:15:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
INDENO(1,2,3-CD)PYRENE	0.0011	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl, Fd
NAPHTHALENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	Fd
PHENANTHRENE	0.0024		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd

Sample ID: DU12-S010-01-10D **Collected:** 6/13/2017 2:15:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0012	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl, Fd
2-METHYLNAPHTHALENE	0.0027		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd
ACENAPHTHENE	0.00084	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl, Fd
ANTHRACENE	0.0019		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd
BENZ(A)ANTHRACENE	0.0037		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd
BENZO(A)PYRENE	0.0041		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd
BENZO(G,H,I)PERYLENE	0.0024		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd
BENZO(K)FLUORANTHENE	0.0033		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd
CHRYSENE	0.0040		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd
DIBENZO(A,H)ANTHRACENE	0.0010	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl, Fd
FLUORENE	0.00080	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl, Fd
INDENO(1,2,3-CD)PYRENE	0.0018	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd
NAPHTHALENE	0.026		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd
PHENANTHRENE	0.0038		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd

Sample ID: DU12-S015-00-01 **Collected:** 6/13/2017 2:30:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.0011	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	Rl

Sample ID: DU12-S015-01-10 **Collected:** 6/13/2017 2:35:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.00075	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl
ANTHRACENE	0.00058	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU12-S015-01-10 **Collected:** 6/13/2017 2:35:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(G,H,I)PERYLENE	0.00089	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI
INDENO(1,2,3-CD)PYRENE	0.00098	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI
NAPHTHALENE	0.00089	J	0.0015	LOD	0.0018	LOQ	mg/kg	U	Eb

Sample ID: DU16-S001-00-01 **Collected:** 6/13/2017 9:05:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0024		0.0016	LOD	0.0020	LOQ	mg/kg	J-	EtoA
2-METHYLNAPHTHALENE	0.0031		0.0016	LOD	0.0020	LOQ	mg/kg	J-	EtoA
ACENAPHTHENE	0.0056		0.0016	LOD	0.0020	LOQ	mg/kg	J-	EtoA
ACENAPHTHYLENE	0.0020	J	0.0016	LOD	0.0020	LOQ	mg/kg	J-	EtoA
ANTHRACENE	0.013		0.0016	LOD	0.0020	LOQ	mg/kg	J-	EtoA
BENZ(A)ANTHRACENE	0.065		0.0016	LOD	0.0020	LOQ	mg/kg	J-	EtoA
BENZO(A)PYRENE	0.067		0.0016	LOD	0.0020	LOQ	mg/kg	J-	EtoA
BENZO(B)FLUORANTHENE	0.11		0.0016	LOD	0.0020	LOQ	mg/kg	J-	EtoA
BENZO(G,H,I)PERYLENE	0.021		0.0016	LOD	0.0020	LOQ	mg/kg	J-	EtoA
BENZO(K)FLUORANTHENE	0.039		0.0016	LOD	0.0020	LOQ	mg/kg	J-	EtoA
CHRYSENE	0.072		0.0016	LOD	0.0020	LOQ	mg/kg	J-	EtoA
DIBENZO(A,H)ANTHRACENE	0.0079		0.0016	LOD	0.0020	LOQ	mg/kg	J-	EtoA
FLUORANTHENE	0.17		0.0016	LOD	0.0020	LOQ	mg/kg	J-	EtoA
FLUORENE	0.0034		0.0016	LOD	0.0020	LOQ	mg/kg	J-	EtoA
INDENO(1,2,3-CD)PYRENE	0.025		0.0016	LOD	0.0020	LOQ	mg/kg	J-	EtoA
NAPHTHALENE	0.0053		0.0016	LOD	0.0020	LOQ	mg/kg	J-	EtoA
PHENANTHRENE	0.073		0.0016	LOD	0.0020	LOQ	mg/kg	J-	EtoA
PYRENE	0.11		0.0016	LOD	0.0020	LOQ	mg/kg	J-	EtoA

Sample ID: DU16-S001-01-10 **Collected:** 6/13/2017 9:10:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0049	U	0.0049	LOD	0.0061	LOQ	mg/kg	UJ	EtoA
2-METHYLNAPHTHALENE	0.0032	J	0.0049	LOD	0.0061	LOQ	mg/kg	J	RI, EtoA
ACENAPHTHENE	0.0085		0.0049	LOD	0.0061	LOQ	mg/kg	J-	EtoA

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU16-S001-01-10 **Collected:** 6/13/2017 9:10:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.0017	J	0.0049	LOD	0.0061	LOQ	mg/kg	J	RI, EtoA
ANTHRACENE	0.0085		0.0049	LOD	0.0061	LOQ	mg/kg	J-	EtoA
BENZ(A)ANTHRACENE	0.023		0.0049	LOD	0.0061	LOQ	mg/kg	J-	EtoA
BENZO(A)PYRENE	0.020		0.0049	LOD	0.0061	LOQ	mg/kg	J-	EtoA
BENZO(B)FLUORANTHENE	0.068		0.0049	LOD	0.0061	LOQ	mg/kg	J-	EtoA
BENZO(G,H,I)PERYLENE	0.0072		0.0049	LOD	0.0061	LOQ	mg/kg	J-	EtoA
BENZO(K)FLUORANTHENE	0.011		0.0049	LOD	0.0061	LOQ	mg/kg	J-	EtoA
CHRYSENE	0.042		0.0049	LOD	0.0061	LOQ	mg/kg	J-	EtoA
DIBENZO(A,H)ANTHRACENE	0.0049	U	0.0049	LOD	0.0061	LOQ	mg/kg	UJ	EtoA
FLUORANTHENE	0.10		0.0049	LOD	0.0061	LOQ	mg/kg	J-	EtoA
FLUORENE	0.0050	J	0.0049	LOD	0.0061	LOQ	mg/kg	J	RI, EtoA
INDENO(1,2,3-CD)PYRENE	0.0056	J	0.0049	LOD	0.0061	LOQ	mg/kg	J	RI, EtoA
NAPHTHALENE	0.015		0.0049	LOD	0.0061	LOQ	mg/kg	J-	EtoA
PHENANTHRENE	0.038		0.0049	LOD	0.0061	LOQ	mg/kg	J-	EtoA
PYRENE	0.12		0.0049	LOD	0.0061	LOQ	mg/kg	J-	EtoA

Sample ID: DU16-S001-01-10 **Collected:** 6/13/2017 9:10:00 AM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0027	J	0.0049	LOD	0.0061	LOQ	mg/kg	NP	RI, EtoA, ProfJudg
2-METHYLNAPHTHALENE	0.0031	J	0.0049	LOD	0.0061	LOQ	mg/kg	NP	RI, EtoA, ProfJudg
ACENAPHTHENE	0.012		0.0049	LOD	0.0061	LOQ	mg/kg	NP	EtoA, ProfJudg
ACENAPHTHYLENE	0.0028	J	0.0049	LOD	0.0061	LOQ	mg/kg	NP	RI, EtoA, ProfJudg
ANTHRACENE	0.0064		0.0049	LOD	0.0061	LOQ	mg/kg	NP	EtoA, ProfJudg
BENZ(A)ANTHRACENE	0.023		0.0049	LOD	0.0061	LOQ	mg/kg	NP	EtoA, ProfJudg
BENZO(A)PYRENE	0.020		0.0049	LOD	0.0061	LOQ	mg/kg	NP	EtoA, ProfJudg
BENZO(B)FLUORANTHENE	0.065		0.0049	LOD	0.0061	LOQ	mg/kg	NP	EtoA, ProfJudg
BENZO(G,H,I)PERYLENE	0.0066		0.0049	LOD	0.0061	LOQ	mg/kg	NP	EtoA, ProfJudg
BENZO(K)FLUORANTHENE	0.016		0.0049	LOD	0.0061	LOQ	mg/kg	NP	EtoA, ProfJudg
CHRYSENE	0.043		0.0049	LOD	0.0061	LOQ	mg/kg	NP	EtoA, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0049	U	0.0049	LOD	0.0061	LOQ	mg/kg	NP	EtoA, ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU16-S001-01-10 **Collected:** 6/13/2017 9:10:00 AM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORANTHENE	0.073		0.0049	LOD	0.0061	LOQ	mg/kg	NP	EtoA, ProfJudg
FLUORENE	0.0058	J	0.0049	LOD	0.0061	LOQ	mg/kg	NP	RI, EtoA, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.0059	J	0.0049	LOD	0.0061	LOQ	mg/kg	NP	RI, EtoA, ProfJudg
NAPHTHALENE	0.015		0.0049	LOD	0.0061	LOQ	mg/kg	NP	EtoA, ProfJudg
PHENANTHRENE	0.038		0.0049	LOD	0.0061	LOQ	mg/kg	NP	EtoA, ProfJudg
PYRENE	0.15		0.0049	LOD	0.0061	LOQ	mg/kg	NP	EtoA, ProfJudg

Sample ID: DU16-S002-00-01 **Collected:** 6/13/2017 9:25:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0014	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI, EtoA
2-METHYLNAPHTHALENE	0.0020		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
ACENAPHTHENE	0.0041		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
ACENAPHTHYLENE	0.0018	J	0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
ANTHRACENE	0.010		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
BENZ(A)ANTHRACENE	0.057		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
BENZO(A)PYRENE	0.061		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
BENZO(B)FLUORANTHENE	0.097		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
BENZO(G,H,I)PERYLENE	0.014		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
BENZO(K)FLUORANTHENE	0.041		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
CHRYSENE	0.062		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
DIBENZO(A,H)ANTHRACENE	0.0054		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
FLUORANTHENE	0.14		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
FLUORENE	0.0038		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
INDENO(1,2,3-CD)PYRENE	0.017		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
NAPHTHALENE	0.0037		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
PHENANTHRENE	0.059		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
PYRENE	0.10		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU16-S002-01-10 **Collected:** 6/13/2017 9:30:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	EtoA
2-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	EtoA
ACENAPHTHENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	EtoA
ACENAPHTHYLENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	EtoA
ANTHRACENE	0.0011	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI, EtoA
BENZ(A)ANTHRACENE	0.0053		0.0015	LOD	0.0019	LOQ	mg/kg	J-	EtoA
BENZO(A)PYRENE	0.0053		0.0015	LOD	0.0019	LOQ	mg/kg	J-	EtoA
BENZO(B)FLUORANTHENE	0.0088		0.0015	LOD	0.0019	LOQ	mg/kg	J-	EtoA
BENZO(G,H,I)PERYLENE	0.0013	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI, EtoA
BENZO(K)FLUORANTHENE	0.0033		0.0015	LOD	0.0019	LOQ	mg/kg	J-	EtoA
CHRYSENE	0.0053		0.0015	LOD	0.0019	LOQ	mg/kg	J-	EtoA
DIBENZO(A,H)ANTHRACENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	EtoA
FLUORANTHENE	0.012		0.0015	LOD	0.0019	LOQ	mg/kg	J-	EtoA
FLUORENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	EtoA
INDENO(1,2,3-CD)PYRENE	0.0016	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI, EtoA
NAPHTHALENE	0.00098	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI, EtoA
PHENANTHRENE	0.0057		0.0015	LOD	0.0019	LOQ	mg/kg	J-	EtoA
PYRENE	0.0091		0.0015	LOD	0.0019	LOQ	mg/kg	J-	EtoA

Sample ID: DU16-S003-00-01 **Collected:** 6/13/2017 11:40:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.00086	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI
NAPHTHALENE	0.0012	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI

Sample ID: DU16-S003-01-10 **Collected:** 6/13/2017 11:45:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.00094	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI
BENZ(A)ANTHRACENE	0.0016	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI
BENZO(G,H,I)PERYLENE	0.00080	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI
BENZO(K)FLUORANTHENE	0.0015	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU16-S003-01-10 **Collected:** 6/13/2017 11:45:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
INDENO(1,2,3-CD)PYRENE	0.00086	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI

Sample ID: DU16-S004-00-01 **Collected:** 6/13/2017 11:55:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0014	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI, EtoA
2-METHYLNAPHTHALENE	0.0021		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
ACENAPHTHENE	0.0018	J	0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
ACENAPHTHYLENE	0.0013	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI, EtoA
ANTHRACENE	0.0053		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
BENZ(A)ANTHRACENE	0.031		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
BENZO(A)PYRENE	0.041		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
BENZO(B)FLUORANTHENE	0.077		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
BENZO(G,H,I)PERYLENE	0.0093		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
BENZO(K)FLUORANTHENE	0.029		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
CHRYSENE	0.040		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
DIBENZO(A,H)ANTHRACENE	0.0024		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
FLUORANTHENE	0.077		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
FLUORENE	0.0014	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI, EtoA
INDENO(1,2,3-CD)PYRENE	0.012		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
NAPHTHALENE	0.0021		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
PHENANTHRENE	0.027		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
PYRENE	0.062		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA

Sample ID: DU16-S004-01-10 **Collected:** 6/13/2017 12:00:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	EtoA
2-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	EtoA
ACENAPHTHENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	EtoA
ACENAPHTHYLENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	EtoA
ANTHRACENE	0.00057	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI, EtoA

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU16-S004-01-10 **Collected:** 6/13/2017 12:00:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.0030		0.0015	LOD	0.0019	LOQ	mg/kg	J-	EtoA
BENZO(A)PYRENE	0.0036		0.0015	LOD	0.0019	LOQ	mg/kg	J-	EtoA
BENZO(B)FLUORANTHENE	0.0057		0.0015	LOD	0.0019	LOQ	mg/kg	J-	EtoA
BENZO(G,H,I)PERYLENE	0.00092	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI, EtoA
BENZO(K)FLUORANTHENE	0.0024		0.0015	LOD	0.0019	LOQ	mg/kg	J-	EtoA
CHRYSENE	0.0033		0.0015	LOD	0.0019	LOQ	mg/kg	J-	EtoA
DIBENZO(A,H)ANTHRACENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	EtoA
FLUORANTHENE	0.0070		0.0015	LOD	0.0019	LOQ	mg/kg	J-	EtoA
FLUORENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	EtoA
INDENO(1,2,3-CD)PYRENE	0.0011	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI, EtoA
NAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	EtoA
PHENANTHRENE	0.0028		0.0015	LOD	0.0019	LOQ	mg/kg	J-	EtoA
PYRENE	0.0053		0.0015	LOD	0.0019	LOQ	mg/kg	J-	EtoA

Sample ID: DU16-S005-00-01 **Collected:** 6/13/2017 8:50:00 AM **Analysis Type:** Dilution-01-BASE/NEUTRAL **Dilution:** 10

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.015	U	0.015	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.015	U	0.015	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.015	U	0.015	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.024		0.015	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.041		0.015	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.15		0.015	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.086		0.015	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.37		0.015	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.025		0.015	LOD	0.019	LOQ	mg/kg	NP	Mb, ProfJudg
BENZO(K)FLUORANTHENE	0.13		0.015	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.31		0.015	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0098	J	0.015	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.015	U	0.015	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.032		0.015	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.015	U	0.015	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU16-S005-00-01 **Collected:** 6/13/2017 8:50:00 AM **Analysis Type:** Dilution-01-BASE/ NEUTRAL **Dilution:** 10

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
PHENANTHRENE	0.15		0.015	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU16-S005-00-01 **Collected:** 6/13/2017 8:50:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.00093	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
FLUORANTHENE	0.74	E	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.0012	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
PYRENE	0.60	E	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU16-S005-01-10 **Collected:** 6/13/2017 8:55:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU16-S006-00-01 **Collected:** 6/13/2017 9:45:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0016	U	0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.0016	U	0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.0016	U	0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.0016	U	0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.0013	J	0.0016	LOD	0.0020	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.0084		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.010		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.016		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.0032		0.0016	LOD	0.0020	LOQ	mg/kg	NP	Mb, ProfJudg
BENZO(K)FLUORANTHENE	0.0092		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.011		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0012	J	0.0016	LOD	0.0020	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.021		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.0011	J	0.0016	LOD	0.0020	LOQ	mg/kg	NP	RI, ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU16-S006-00-01 **Collected:** 6/13/2017 9:45:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
INDENO(1,2,3-CD)PYRENE	0.0036		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.0016	U	0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.0088		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.019		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU16-S006-00-01-X **Collected:** 6/13/2017 9:45:00 AM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0016	U	0.0016	LOD	0.0020	LOQ	mg/kg	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.00081	J	0.0016	LOD	0.0020	LOQ	mg/kg	NP	RI, StoE, ProfJudg
ACENAPHTHENE	0.0016	U	0.0016	LOD	0.0020	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.0016	U	0.0016	LOD	0.0020	LOQ	mg/kg	NP	StoE, ProfJudg
ANTHRACENE	0.0010	J	0.0016	LOD	0.0020	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZ(A)ANTHRACENE	0.0063		0.0016	LOD	0.0020	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.0069		0.0016	LOD	0.0020	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.0099		0.0016	LOD	0.0020	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(G,H,I)PERYLENE	0.0032		0.0016	LOD	0.0020	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.0037		0.0016	LOD	0.0020	LOQ	mg/kg	NP	StoE, ProfJudg
CHRYSENE	0.0069		0.0016	LOD	0.0020	LOQ	mg/kg	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0011	J	0.0016	LOD	0.0020	LOQ	mg/kg	NP	RI, StoE, ProfJudg
FLUORANTHENE	0.012		0.0016	LOD	0.0020	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORENE	0.0016	U	0.0016	LOD	0.0020	LOQ	mg/kg	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.0035		0.0016	LOD	0.0020	LOQ	mg/kg	NP	StoE, ProfJudg
NAPHTHALENE	0.0012	J	0.0016	LOD	0.0020	LOQ	mg/kg	NP	Mb, StoE, ProfJudg
PHENANTHRENE	0.0056		0.0016	LOD	0.0020	LOQ	mg/kg	NP	StoE, ProfJudg
PYRENE	0.010		0.0016	LOD	0.0020	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: DU16-S006-01-10 **Collected:** 6/13/2017 9:50:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0026		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU16-S006-01-10 **Collected:** 6/13/2017 9:50:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.0053		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.00077	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	Rl, ProfJudg
ANTHRACENE	0.00043	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	Rl, ProfJudg
BENZ(A)ANTHRACENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.00078	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	Mb, ProfJudg
BENZO(G,H,I)PERYLENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.00047	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	Mb, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.00092	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	Mb, ProfJudg
FLUORENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.013		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.0017	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	Rl, ProfJudg
PYRENE	0.0010	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	Mb, ProfJudg

Sample ID: DU16-S006-01-10-X **Collected:** 6/13/2017 9:50:00 AM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	NP	StoE, ProfJudg
ANTHRACENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(G,H,I)PERYLENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	NP	StoE, ProfJudg
CHRYSENE	0.00044	J	0.0015	LOD	0.0018	LOQ	mg/kg	NP	Rl, StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU16-S006-01-10-X **Collected:** 6/13/2017 9:50:00 AM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DIBENZO(A,H)ANTHRACENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORANTHENE	0.00083	J	0.0015	LOD	0.0018	LOQ	mg/kg	NP	RI, StoE, ProfJudg
FLUORENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	NP	StoE, ProfJudg
NAPHTHALENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	NP	StoE, ProfJudg
PHENANTHRENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	NP	StoE, ProfJudg
PYRENE	0.00066	J	0.0015	LOD	0.0018	LOQ	mg/kg	NP	RI, StoE, ProfJudg

Sample ID: DU16-S007-01-10 **Collected:** 6/13/2017 11:25:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0012	J	0.0016	LOD	0.0021	LOQ	mg/kg	J	RI, Fd
2-METHYLNAPHTHALENE	0.0012	J	0.0016	LOD	0.0021	LOQ	mg/kg	J	RI, Fd
ACENAPHTHENE	0.0017	J	0.0016	LOD	0.0021	LOQ	mg/kg	J	RI, Fd
ACENAPHTHYLENE	0.00057	J	0.0016	LOD	0.0021	LOQ	mg/kg	J	RI
ANTHRACENE	0.0040		0.0016	LOD	0.0021	LOQ	mg/kg	J	Fd
BENZO(A)PYRENE	0.022		0.0016	LOD	0.0021	LOQ	mg/kg	J	Fd
BENZO(K)FLUORANTHENE	0.019		0.0016	LOD	0.0021	LOQ	mg/kg	J	Fd
FLUORENE	0.0020	J	0.0016	LOD	0.0021	LOQ	mg/kg	J	RI
INDENO(1,2,3-CD)PYRENE	0.0080		0.0016	LOD	0.0021	LOQ	mg/kg	J	Fd
NAPHTHALENE	0.0015	J	0.0016	LOD	0.0021	LOQ	mg/kg	J	RI, Fd

Sample ID: DU16-S007-01-10D **Collected:** 6/13/2017 11:25:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0028		0.0016	LOD	0.0020	LOQ	mg/kg	J	Fd
2-METHYLNAPHTHALENE	0.0047		0.0016	LOD	0.0020	LOQ	mg/kg	J	Fd
ACENAPHTHENE	0.0041		0.0016	LOD	0.0020	LOQ	mg/kg	J	Fd
ACENAPHTHYLENE	0.00045	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI
ANTHRACENE	0.0029		0.0016	LOD	0.0020	LOQ	mg/kg	J	Fd
BENZO(A)PYRENE	0.016		0.0016	LOD	0.0020	LOQ	mg/kg	J	Fd
BENZO(K)FLUORANTHENE	0.013		0.0016	LOD	0.0020	LOQ	mg/kg	J	Fd

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU16-S007-01-10D **Collected:** 6/13/2017 11:25:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORENE	0.0019	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	Rl
INDENO(1,2,3-CD)PYRENE	0.0058		0.0016	LOD	0.0020	LOQ	mg/kg	J	Fd
NAPHTHALENE	0.0065		0.0016	LOD	0.0020	LOQ	mg/kg	J	Fd

Sample ID: DU16-S008-00-01 **Collected:** 6/13/2017 12:35:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0010	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Rl, EtoA
2-METHYLNAPHTHALENE	0.0016	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Rl, EtoA
ACENAPHTHENE	0.0014	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Rl, EtoA
ACENAPHTHYLENE	0.0024		0.0015	LOD	0.0019	LOQ	mg/kg	J-	EtoA
ANTHRACENE	0.0062		0.0015	LOD	0.0019	LOQ	mg/kg	J-	EtoA
BENZ(A)ANTHRACENE	0.021		0.0015	LOD	0.0019	LOQ	mg/kg	J-	EtoA
BENZO(A)PYRENE	0.024		0.0015	LOD	0.0019	LOQ	mg/kg	J-	EtoA
BENZO(B)FLUORANTHENE	0.048		0.0015	LOD	0.0019	LOQ	mg/kg	J-	EtoA
BENZO(G,H,I)PERYLENE	0.0064		0.0015	LOD	0.0019	LOQ	mg/kg	J-	EtoA
BENZO(K)FLUORANTHENE	0.016		0.0015	LOD	0.0019	LOQ	mg/kg	J-	EtoA
CHRYSENE	0.026		0.0015	LOD	0.0019	LOQ	mg/kg	J-	EtoA
DIBENZO(A,H)ANTHRACENE	0.0024		0.0015	LOD	0.0019	LOQ	mg/kg	J-	EtoA
FLUORANTHENE	0.052		0.0015	LOD	0.0019	LOQ	mg/kg	J-	EtoA
FLUORENE	0.0024		0.0015	LOD	0.0019	LOQ	mg/kg	J-	EtoA
INDENO(1,2,3-CD)PYRENE	0.0079		0.0015	LOD	0.0019	LOQ	mg/kg	J-	EtoA
NAPHTHALENE	0.0017	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Rl, EtoA
PHENANTHRENE	0.019		0.0015	LOD	0.0019	LOQ	mg/kg	J-	EtoA
PYRENE	0.039		0.0015	LOD	0.0019	LOQ	mg/kg	J-	EtoA

Sample ID: DU16-S008-01-10 **Collected:** 6/13/2017 12:40:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	EtoA
2-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	EtoA
ACENAPHTHENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	EtoA

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU16-S008-01-10 **Collected:** 6/13/2017 12:40:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	EtoA
ANTHRACENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	EtoA
BENZ(A)ANTHRACENE	0.00094	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI, EtoA
BENZO(A)PYRENE	0.00086	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI, EtoA
BENZO(B)FLUORANTHENE	0.0018	J	0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
BENZO(G,H,I)PERYLENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	EtoA
BENZO(K)FLUORANTHENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	EtoA
CHRYSENE	0.0011	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI, EtoA
DIBENZO(A,H)ANTHRACENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	EtoA
FLUORANTHENE	0.0018	J	0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
FLUORENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	EtoA
INDENO(1,2,3-CD)PYRENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	EtoA
NAPHTHALENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	EtoA
PHENANTHRENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	EtoA
PYRENE	0.0016	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI, EtoA

Sample ID: DU16-S009-00-01 **Collected:** 6/13/2017 8:35:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.00091	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI
2-METHYLNAPHTHALENE	0.0012	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI
ACENAPHTHENE	0.0015	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI
ACENAPHTHYLENE	0.00058	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI
FLUORENE	0.0017	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI
NAPHTHALENE	0.0014	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI

Sample ID: DU16-S009-01-10 **Collected:** 6/13/2017 8:40:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **SOIL**

Sample ID: **DU16-S009-01-10** ***Collected:*** **6/13/2017 8:40:00 AM** ***Analysis Type:*** **Initial-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
ACENAPHTHYLENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.00042	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	Mb, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.00068	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	Mb, ProfJudg

Sample ID: **DU16-S009-01-10-X** ***Collected:*** **6/13/2017 8:40:00 AM** ***Analysis Type:*** **Reanalysis-01-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
ANTHRACENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(G,H,I)PERYLENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
CHRYSENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORANTHENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **SOIL**

Sample ID: **DU16-S009-01-10-X** ***Collected:*** **6/13/2017 8:40:00 AM** ***Analysis Type:*** **Reanalysis-01-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
NAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
PHENANTHRENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
PYRENE	0.00048	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	RI, StoE, ProfJudg

Sample ID: **DU16-S010-00-01** ***Collected:*** **6/13/2017 10:05:00 AM** ***Analysis Type:*** **Initial-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.0012	J	0.0015	LOD	0.0018	LOQ	mg/kg	NP	Mb, ProfJudg
BENZO(A)PYRENE	0.0015	J	0.0015	LOD	0.0018	LOQ	mg/kg	NP	Mb, ProfJudg
BENZO(B)FLUORANTHENE	0.0027		0.0015	LOD	0.0018	LOQ	mg/kg	NP	Mb, ProfJudg
BENZO(G,H,I)PERYLENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.0023		0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.0017	J	0.0015	LOD	0.0018	LOQ	mg/kg	NP	Mb, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.0026		0.0015	LOD	0.0018	LOQ	mg/kg	NP	Mb, ProfJudg
FLUORENE	0.00082	J	0.0015	LOD	0.0018	LOQ	mg/kg	NP	RI, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.0013	J	0.0015	LOD	0.0018	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.0025		0.0015	LOD	0.0018	LOQ	mg/kg	NP	Mb, ProfJudg

Sample ID: **DU16-S010-00-01-X** ***Collected:*** **6/13/2017 10:05:00 AM** ***Analysis Type:*** **Reanalysis-01-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	NP	StoE, ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **SOIL**

Sample ID: **DU16-S010-00-01-X** ***Collected:*** **6/13/2017 10:05:00 AM** ***Analysis Type:*** **Reanalysis-01-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
2-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	NP	StoE, ProfJudg
ANTHRACENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.0017	J	0.0015	LOD	0.0018	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZO(A)PYRENE	0.0018	J	0.0015	LOD	0.0018	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.0027		0.0015	LOD	0.0018	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(G,H,I)PERYLENE	0.0011	J	0.0015	LOD	0.0018	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.0011	J	0.0015	LOD	0.0018	LOQ	mg/kg	NP	RI, StoE, ProfJudg
CHRYSENE	0.0021		0.0015	LOD	0.0018	LOQ	mg/kg	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORANTHENE	0.0026		0.0015	LOD	0.0018	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.0014	J	0.0015	LOD	0.0018	LOQ	mg/kg	NP	RI, StoE, ProfJudg
NAPHTHALENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	NP	StoE, ProfJudg
PHENANTHRENE	0.0014	J	0.0015	LOD	0.0018	LOQ	mg/kg	NP	RI, StoE, ProfJudg
PYRENE	0.0024		0.0015	LOD	0.0018	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: **DU16-S010-01-10** ***Collected:*** **6/13/2017 10:10:00 AM** ***Analysis Type:*** **Initial-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.00090	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	RI, ProfJudg
2-METHYLNAPHTHALENE	0.0013	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.00090	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	Mb, ProfJudg
BENZO(G,H,I)PERYLENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU16-S010-01-10 **Collected:** 6/13/2017 10:10:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.00051	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	Mb, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.00083	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	Mb, ProfJudg
FLUORENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.00078	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	Eb, ProfJudg
PHENANTHRENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.00077	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	Mb, ProfJudg

Sample ID: DU16-S010-01-10-X **Collected:** 6/13/2017 10:10:00 AM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
ANTHRACENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(G,H,I)PERYLENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
CHRYSENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORANTHENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
NAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
PHENANTHRENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
PYRENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU16-S011-00-01 **Collected:** 6/13/2017 11:00:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0010	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI, EtoA
2-METHYLNAPHTHALENE	0.0022		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
ACENAPHTHENE	0.00083	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI, EtoA
ACENAPHTHYLENE	0.00060	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI, EtoA
ANTHRACENE	0.0019		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
BENZ(A)ANTHRACENE	0.011		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
BENZO(A)PYRENE	0.013		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
BENZO(B)FLUORANTHENE	0.020		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
BENZO(G,H,I)PERYLENE	0.0038		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
BENZO(K)FLUORANTHENE	0.0073		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
CHRYSENE	0.013		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
DIBENZO(A,H)ANTHRACENE	0.0014	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI, EtoA
FLUORANTHENE	0.027		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
FLUORENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	EtoA
INDENO(1,2,3-CD)PYRENE	0.0044		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
NAPHTHALENE	0.0032		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
PHENANTHRENE	0.010		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
PYRENE	0.019		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA

Sample ID: DU16-S011-01-10 **Collected:** 6/13/2017 11:05:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	EtoA
2-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	EtoA
ACENAPHTHENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	EtoA
ACENAPHTHYLENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	EtoA
ANTHRACENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	EtoA
BENZ(A)ANTHRACENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	EtoA
BENZO(A)PYRENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	EtoA
BENZO(B)FLUORANTHENE	0.00097	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI, EtoA
BENZO(G,H,I)PERYLENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	EtoA
BENZO(K)FLUORANTHENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	EtoA

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU16-S011-01-10 **Collected:** 6/13/2017 11:05:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.00062	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI, EtoA
DIBENZO(A,H)ANTHRACENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	EtoA
FLUORANTHENE	0.0013	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI, EtoA
FLUORENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	EtoA
INDENO(1,2,3-CD)PYRENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	EtoA
NAPHTHALENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	EtoA
PHENANTHRENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	EtoA
PYRENE	0.00093	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI, EtoA

Sample ID: DU16-S012-01-10 **Collected:** 6/13/2017 12:50:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.0014	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
BENZO(A)PYRENE	0.0016	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
BENZO(K)FLUORANTHENE	0.00091	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
CHRYSENE	0.0015	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
PHENANTHRENE	0.0012	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI

Sample ID: DU16-S013-01-10 **Collected:** 6/13/2017 8:20:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	EtoA
2-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	EtoA
ACENAPHTHENE	0.0023		0.0015	LOD	0.0019	LOQ	mg/kg	J-	EtoA
ACENAPHTHYLENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	EtoA
ANTHRACENE	0.0063		0.0015	LOD	0.0019	LOQ	mg/kg	J-	EtoA
BENZ(A)ANTHRACENE	0.029		0.0015	LOD	0.0019	LOQ	mg/kg	J-	EtoA
BENZO(A)PYRENE	0.026		0.0015	LOD	0.0019	LOQ	mg/kg	J-	EtoA
BENZO(B)FLUORANTHENE	0.035		0.0015	LOD	0.0019	LOQ	mg/kg	J-	EtoA
BENZO(G,H,I)PERYLENE	0.014		0.0015	LOD	0.0019	LOQ	mg/kg	J-	EtoA
BENZO(K)FLUORANTHENE	0.014		0.0015	LOD	0.0019	LOQ	mg/kg	J-	EtoA
CHRYSENE	0.027		0.0015	LOD	0.0019	LOQ	mg/kg	J-	EtoA

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU16-S013-01-10 **Collected:** 6/13/2017 8:20:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DIBENZO(A,H)ANTHRACENE	0.0046		0.0015	LOD	0.0019	LOQ	mg/kg	J-	EtoA
FLUORANTHENE	0.061		0.0015	LOD	0.0019	LOQ	mg/kg	J-	EtoA
FLUORENE	0.0018	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI, EtoA
INDENO(1,2,3-CD)PYRENE	0.014		0.0015	LOD	0.0019	LOQ	mg/kg	J-	EtoA
NAPHTHALENE	0.0010	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI, EtoA
PHENANTHRENE	0.032		0.0015	LOD	0.0019	LOQ	mg/kg	J-	EtoA
PYRENE	0.041		0.0015	LOD	0.0019	LOQ	mg/kg	J-	EtoA

Sample ID: DU16-S014-00-01 **Collected:** 6/13/2017 10:30:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	EtoA
2-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	EtoA
ACENAPHTHENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	EtoA
ACENAPHTHYLENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	EtoA
ANTHRACENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	EtoA
BENZ(A)ANTHRACENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	EtoA
BENZO(A)PYRENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	EtoA
BENZO(B)FLUORANTHENE	0.0011	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI, EtoA
BENZO(G,H,I)PERYLENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	EtoA
BENZO(K)FLUORANTHENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	EtoA
CHRYSENE	0.00060	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI, EtoA
DIBENZO(A,H)ANTHRACENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	EtoA
FLUORANTHENE	0.0012	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI, EtoA
FLUORENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	EtoA
INDENO(1,2,3-CD)PYRENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	EtoA
NAPHTHALENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	EtoA
PHENANTHRENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	EtoA
PYRENE	0.00090	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI, EtoA

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU16-S014-01-10 **Collected:** 6/13/2017 10:35:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	EtoA
2-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	EtoA
ACENAPHTHENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	EtoA
ACENAPHTHYLENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	EtoA
ANTHRACENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	EtoA
BENZ(A)ANTHRACENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	EtoA
BENZO(A)PYRENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	EtoA
BENZO(B)FLUORANTHENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	EtoA
BENZO(G,H,I)PERYLENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	EtoA
BENZO(K)FLUORANTHENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	EtoA
CHRYSENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	EtoA
DIBENZO(A,H)ANTHRACENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	EtoA
FLUORANTHENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	EtoA
FLUORENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	EtoA
INDENO(1,2,3-CD)PYRENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	EtoA
NAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	EtoA
PHENANTHRENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	EtoA
PYRENE	0.00056	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI, EtoA

Sample ID: DU16-S015-00-01 **Collected:** 6/13/2017 10:45:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.0013	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI
ACENAPHTHYLENE	0.00048	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI
FLUORENE	0.00086	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI

Sample ID: DU16-S015-01-10 **Collected:** 6/13/2017 10:50:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0015	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI
ACENAPHTHENE	0.0013	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI
ANTHRACENE	0.0010	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU16-S015-01-10 **Collected:** 6/13/2017 10:50:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(G,H,I)PERYLENE	0.0013	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI
BENZO(K)FLUORANTHENE	0.00098	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI
INDENO(1,2,3-CD)PYRENE	0.0011	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI

Sample ID: DU16-S016-00-01 **Collected:** 6/13/2017 1:05:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.00081	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI, EtoA
2-METHYLNAPHTHALENE	0.0016	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI, EtoA
ACENAPHTHENE	0.0043		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
ACENAPHTHYLENE	0.0010	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI, EtoA
ANTHRACENE	0.031		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
BENZ(A)ANTHRACENE	0.067		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
BENZO(A)PYRENE	0.062		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
BENZO(B)FLUORANTHENE	0.098		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
BENZO(G,H,I)PERYLENE	0.015		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
BENZO(K)FLUORANTHENE	0.040		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
CHRYSENE	0.064		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
DIBENZO(A,H)ANTHRACENE	0.0049		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
FLUORANTHENE	0.15		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
FLUORENE	0.0040		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
INDENO(1,2,3-CD)PYRENE	0.018		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
NAPHTHALENE	0.0014	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI, EtoA
PHENANTHRENE	0.071		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA
PYRENE	0.11		0.0015	LOD	0.0018	LOQ	mg/kg	J-	EtoA

Sample ID: DU16-S016-01-10 **Collected:** 6/13/2017 1:10:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	EtoA
2-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	EtoA
ACENAPHTHENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	EtoA

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **SOIL**

Sample ID: **DU16-S016-01-10** ***Collected:*** **6/13/2017 1:10:00 PM** ***Analysis Type:*** **Initial-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
ACENAPHTHYLENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	EtoA
ANTHRACENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	EtoA
BENZ(A)ANTHRACENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	EtoA
BENZO(A)PYRENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	EtoA
BENZO(B)FLUORANTHENE	0.00080	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI, EtoA
BENZO(G,H,I)PERYLENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	EtoA
BENZO(K)FLUORANTHENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	EtoA
CHRYSENE	0.00049	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI, EtoA
DIBENZO(A,H)ANTHRACENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	EtoA
FLUORANTHENE	0.0010	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI, EtoA
FLUORENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	EtoA
INDENO(1,2,3-CD)PYRENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	EtoA
NAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	EtoA
PHENANTHRENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	EtoA
PYRENE	0.00084	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI, EtoA

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Reason Code Legend

Reason Code	*Description*
Eb	Equipment Blank Contamination
EtoA	Extraction to Analysis Estimation
Fd	Field Duplicate Precision
Lcs	Laboratory Control Spike Upper Estimation
Mb	Method Blank Contamination
ProfJudg	Professional Judgment
Rl	Reporting Limit Trace Value
StoE	Sampling to Extraction Rejection

* denotes a non-reportable result

QC Outlier Report: HoldingTimes

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D SIM **Preparation Method: SW3546**

Matrix: SOIL

Sample ID	Type	Actual	Criteria	Units	Flag
DU16-S006-00-01-X (Reanalysis-01)	Sampling To Extraction	36.00	14.00	DAYS	J- (all detects)
DU16-S006-01-10-X (Reanalysis-01)		36.00	14.00	DAYS	R (all non-detects)
DU16-S009-01-10-X (Reanalysis-01)		36.00	14.00	DAYS	
DU16-S010-00-01-X (Reanalysis-01)		36.00	14.00	DAYS	
DU16-S010-01-10-X (Reanalysis-01)		36.00	14.00	DAYS	
DU16-S001-00-01 (Initial)	Extraction To Analysis	43.00	40.00	DAYS	J-(all detects)
DU16-S001-01-10 (Initial)		43.00	40.00	DAYS	UJ(all non-detects)
DU16-S001-01-10 (Reanalysis-01)		43.00	40.00	DAYS	
DU16-S002-00-01 (Initial)		43.00	40.00	DAYS	
DU16-S002-01-10 (Initial)		43.00	40.00	DAYS	
DU16-S004-00-01 (Initial)		43.00	40.00	DAYS	
DU16-S004-01-10 (Initial)		43.00	40.00	DAYS	
DU16-S008-00-01 (Initial)		43.00	40.00	DAYS	
DU16-S008-01-10 (Initial)		43.00	40.00	DAYS	
DU16-S011-00-01 (Initial)		43.00	40.00	DAYS	
DU16-S011-01-10 (Initial)		43.00	40.00	DAYS	
DU16-S013-01-10 (Initial)		43.00	40.00	DAYS	
DU16-S014-00-01 (Initial)		43.00	40.00	DAYS	
DU16-S014-01-10 (Initial)		43.00	40.00	DAYS	
DU16-S016-00-01 (Initial)		43.00	40.00	DAYS	
DU16-S016-01-10 (Initial)		43.00	40.00	DAYS	

Field Duplicate RPD Report

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D SIM
Matrix: SOIL

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU12-S007-01-10	DU12-S007-01-10D			
ANTHRACENE	0.00078	0.00067	15	30.00	No Qualifiers Applied
BENZO(K)FLUORANTHENE	0.0054	0.0049	10	30.00	
CHRYSENE	0.0073	0.0057	25	30.00	
FLUORANTHENE	0.011	0.0085	26	30.00	
PHENANTHRENE	0.0032	0.0025	25	30.00	
PYRENE	0.011	0.0086	24	30.00	
BENZ(A)ANTHRACENE	0.0069	0.0048	36	30.00	J(all detects) UJ(all non-detects)
BENZO(A)PYRENE	0.0087	0.0062	34	30.00	
BENZO(B)FLUORANTHENE	0.014	0.0092	41	30.00	
BENZO(G,H,I)PERYLENE	0.0028	0.0020	33	30.00	
DIBENZO(A,H)ANTHRACENE	0.0011	0.0019 U	200	30.00	
INDENO(1,2,3-CD)PYRENE	0.0032	0.0022	37	30.00	
NAPHTHALENE	0.00087	0.0019 U	200	30.00	

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU12-S010-01-10	DU12-S010-01-10D			
BENZO(B)FLUORANTHENE	0.0045	0.0060	29	30.00	No Qualifiers Applied
FLUORANTHENE	0.0053	0.0068	25	30.00	
PYRENE	0.0047	0.0060	24	30.00	
1-METHYLNAPHTHALENE	0.0018 U	0.0012	200	30.00	J(all detects) UJ(all non-detects)
2-METHYLNAPHTHALENE	0.0018 U	0.0027	200	30.00	
ACENAPHTHENE	0.0018 U	0.00084	200	30.00	
ANTHRACENE	0.00070	0.0019	92	30.00	
BENZ(A)ANTHRACENE	0.0025	0.0037	39	30.00	
BENZO(A)PYRENE	0.0029	0.0041	34	30.00	
BENZO(G,H,I)PERYLENE	0.0010	0.0024	82	30.00	
BENZO(K)FLUORANTHENE	0.0023	0.0033	36	30.00	
CHRYSENE	0.0029	0.0040	32	30.00	
DIBENZO(A,H)ANTHRACENE	0.0018 U	0.0010	200	30.00	
FLUORENE	0.0018 U	0.00080	200	30.00	
INDENO(1,2,3-CD)PYRENE	0.0011	0.0018	48	30.00	
NAPHTHALENE	0.0018 U	0.026	200	30.00	
PHENANTHRENE	0.0024	0.0038	45	30.00	

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU16-S007-01-10	DU16-S007-01-10D			
ACENAPHTHYLENE	0.00057	0.00045	24	30.00	No Qualifiers Applied
BENZ(A)ANTHRACENE	0.020	0.015	29	30.00	
BENZO(B)FLUORANTHENE	0.033	0.026	24	30.00	
BENZO(G,H,I)PERYLENE	0.0072	0.0053	30	30.00	
CHRYSENE	0.024	0.018	29	30.00	
DIBENZO(A,H)ANTHRACENE	0.0026	0.0020	26	30.00	
FLUORANTHENE	0.046	0.034	30	30.00	
FLUORENE	0.0020	0.0019	5	30.00	
PHENANTHRENE	0.024	0.018	29	30.00	
PYRENE	0.040	0.030	29	30.00	

Field Duplicate RPD Report

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D SIM
Matrix: SOIL

1-METHYLNAPHTHALENE	0.0012	0.0028	80	30.00	
2-METHYLNAPHTHALENE	0.0012	0.0047	119	30.00	
ACENAPHTHENE	0.0017	0.0041	83	30.00	
ANTHRACENE	0.0040	0.0029	32	30.00	J(all detects)
BENZO(A)PYRENE	0.022	0.016	32	30.00	UJ(all non-detects)
BENZO(K)FLUORANTHENE	0.019	0.013	38	30.00	
INDENO(1,2,3-CD)PYRENE	0.0080	0.0058	32	30.00	
NAPHTHALENE	0.0015	0.0065	125	30.00	

Method: 8270D
Matrix: SOIL

Analyte	Concentration (mg/kg) DU12-S007-01-10	DU12-S007-01-10D	Sample RPD	eQAPP RPD	Flag
BENZO(B)FLUORANTHENE	0.013	0.01	26	30.00	No Qualifiers Applied
ACENAPHTHYLENE	0.006	0.019 U	200	30.00	
BENZ(A)ANTHRACENE	0.017	0.006	96	30.00	
Benzo (g,h,i) perylene	0.008	0.005	46	30.00	
BENZO(A)PYRENE	0.011	0.008	32	30.00	
BENZO(K)FLUORANTHENE	0.006	0.004	40	30.00	J(all detects)
CHRYSENE	0.034	0.006	140	30.00	UJ(all non-detects)
FLUORANTHENE	0.015	0.01	40	30.00	
INDENO(1,2,3-CD)PYRENE	0.006	0.004	40	30.00	
PHENANTHRENE	0.004	0.019 U	200	30.00	
PYRENE	0.013	0.009	36	30.00	

Analyte	Concentration (mg/kg) DU12-S010-01-10	DU12-S010-01-10D	Sample RPD	eQAPP RPD	Flag
BENZ(A)ANTHRACENE	0.004	0.004	0	30.00	
BENZO(A)PYRENE	0.004	0.005	22	30.00	
BENZO(B)FLUORANTHENE	0.005	0.006	18	30.00	
CHRYSENE	0.004	0.004	0	30.00	No Qualifiers Applied
FLUORANTHENE	0.009	0.008	12	30.00	
PHENANTHRENE	0.004	0.004	0	30.00	
PYRENE	0.008	0.007	13	30.00	
Benzo (g,h,i) perylene	0.019 U	0.005	200	30.00	J(all detects)
NAPHTHALENE	0.019 U	0.025	200	30.00	UJ(all non-detects)

Analyte	Concentration (mg/kg) DU16-S007-01-10	DU16-S007-01-10D	Sample RPD	eQAPP RPD	Flag
Benzo (g,h,i) perylene	0.014	0.011	24	30.00	
BENZO(A)PYRENE	0.024	0.021	13	30.00	
BENZO(B)FLUORANTHENE	0.036	0.029	22	30.00	
BENZO(K)FLUORANTHENE	0.012	0.011	9	30.00	
CHRYSENE	0.027	0.022	20	30.00	No Qualifiers Applied
DIBENZO(A,H)ANTHRACENE	0.004	0.004	0	30.00	
FLUORANTHENE	0.056	0.044	24	30.00	
PHENANTHRENE	0.025	0.023	8	30.00	
PYRENE	0.045	0.037	20	30.00	

Field Duplicate RPD Report

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D
Matrix: SOIL

1-METHYLNAPHTHALENE	0.021 U	0.004	200	30.00	
2-CHLORONAPHTHALENE	0.041 U	0.016	200	30.00	
2-METHYLNAPHTHALENE	0.021 U	0.006	200	30.00	
ACENAPHTHENE	0.021 U	0.004	200	30.00	J(all detects)
ANTHRACENE	0.006	0.004	40	30.00	UJ(all non-detects)
BENZ(A)ANTHRACENE	0.025	0.016	44	30.00	
INDENO(1,2,3-CD)PYRENE	0.015	0.011	31	30.00	
NAPHTHALENE	0.021 U	0.008	200	30.00	

Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D**
Matrix: **SOIL**

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P6LBLCSQ176SLB026 (DU16-S004-01-10 DU16-S010-01-10)	2-CHLORONAPHTHALENE	116	-	41.00-114.00	-	2-CHLORONAPHTHALENE	J+ (all detects)

Method Blank Outlier Report

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**
Matrix: **SOIL**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
PLKLC20B200SLC026	7/23/2017 3:15:00 PM	NAPHTHALENE	0.00074 mg/kg	DU16-S006-00-01-X DU16-S006-01-10-X DU16-S009-01-10-X DU16-S010-00-01-X DU16-S010-01-10-X
PLKLH18B188SLH026	7/17/2017 9:06:00 AM	BENZ(A)ANTHRACENE BENZO(A)PYRENE BENZO(B)FLUORANTHENE BENZO(G,H,I)PERYLENE CHRYSENE FLUORANTHENE PYRENE	0.00082 mg/kg 0.0011 mg/kg 0.0013 mg/kg 0.00080 mg/kg 0.00086 mg/kg 0.0011 mg/kg 0.0011 mg/kg	DU16-S005-00-01 DU16-S005-01-10 DU16-S006-00-01 DU16-S006-01-10 DU16-S009-00-01 DU16-S009-01-10 DU16-S010-00-01 DU16-S010-01-10

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
DU16-S005-00-01(Dilution-01)	BENZO(G,H,I)PERYLENE	0.025 mg/kg	0.025U mg/kg
DU16-S006-00-01(Initial)	BENZO(G,H,I)PERYLENE	0.0032 mg/kg	0.0032U mg/kg
DU16-S006-00-01-X(Reanalysis-01)	NAPHTHALENE	0.0012 mg/kg	0.0020U mg/kg
DU16-S006-01-10(Initial)	BENZO(B)FLUORANTHENE	0.00078 mg/kg	0.0019U mg/kg
DU16-S006-01-10(Initial)	CHRYSENE	0.00047 mg/kg	0.0019U mg/kg
DU16-S006-01-10(Initial)	FLUORANTHENE	0.00092 mg/kg	0.0019U mg/kg
DU16-S006-01-10(Initial)	PYRENE	0.0010 mg/kg	0.0019U mg/kg
DU16-S009-01-10(Initial)	CHRYSENE	0.00042 mg/kg	0.0019U mg/kg
DU16-S009-01-10(Initial)	PYRENE	0.00068 mg/kg	0.0019U mg/kg
DU16-S010-00-01(Initial)	BENZ(A)ANTHRACENE	0.0012 mg/kg	0.0018U mg/kg
DU16-S010-00-01(Initial)	BENZO(A)PYRENE	0.0015 mg/kg	0.0018U mg/kg
DU16-S010-00-01(Initial)	BENZO(B)FLUORANTHENE	0.0027 mg/kg	0.0027U mg/kg
DU16-S010-00-01(Initial)	CHRYSENE	0.0017 mg/kg	0.0018U mg/kg
DU16-S010-00-01(Initial)	FLUORANTHENE	0.0026 mg/kg	0.0026U mg/kg
DU16-S010-00-01(Initial)	PYRENE	0.0025 mg/kg	0.0025U mg/kg
DU16-S010-01-10(Initial)	BENZO(B)FLUORANTHENE	0.00090 mg/kg	0.0019U mg/kg
DU16-S010-01-10(Initial)	CHRYSENE	0.00051 mg/kg	0.0019U mg/kg
DU16-S010-01-10(Initial)	FLUORANTHENE	0.00083 mg/kg	0.0019U mg/kg
DU16-S010-01-10(Initial)	PYRENE	0.00077 mg/kg	0.0019U mg/kg

Equipment Rinsate Blank Outlier Report

Lab Reporting Batch ID: APP32 **Laboratory: LLL**

EDD Filename: APP32-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**
Matrix: **SOIL**

Equipment Blank Sample ID	Collected Date	Analyte	Result	Associated Samples
EB-SO061417-01(Initial/TOT)	6/14/2017 12:15:00 PM	NAPHTHALENE	0.22 ug/l	DU12-S006-00-01 DU12-S006-01-10 DU12-S007-00-01 DU12-S007-01-10 DU12-S007-01-10D DU12-S010-00-01 DU12-S010-01-10 DU12-S010-01-10D DU12-S015-00-01 DU12-S015-01-10
EB-SO061417-02(Initial/TOT)	6/14/2017 12:30:00 PM	NAPHTHALENE	0.19 ug/l	DU16-S001-00-01 DU16-S001-01-10 DU16-S002-00-01 DU16-S002-01-10 DU16-S003-00-01 DU16-S003-01-10 DU16-S004-00-01 DU16-S004-01-10 DU16-S005-00-01 DU16-S005-01-10 DU16-S006-00-01 DU16-S006-00-01-X DU16-S006-01-10 DU16-S006-01-10-X DU16-S007-00-01 DU16-S007-01-10 DU16-S007-01-10D DU16-S008-00-01 DU16-S008-01-10 DU16-S009-00-01 DU16-S009-01-10 DU16-S009-01-10-X DU16-S010-00-01 DU16-S010-00-01-X DU16-S010-01-10 DU16-S010-01-10-X DU16-S011-00-01 DU16-S011-01-10 DU16-S012-00-01 DU16-S012-01-10 DU16-S013-00-01 DU16-S013-01-10 DU16-S014-00-01 DU16-S014-01-10 DU16-S015-00-01 DU16-S015-01-10 DU16-S016-00-01 DU16-S016-01-10

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
DU12-S007-01-10(Initial)	NAPHTHALENE	0.00087 mg/kg	0.0019U mg/kg
DU12-S015-01-10(Initial)	NAPHTHALENE	0.00089 mg/kg	0.0018U mg/kg
DU16-S010-01-10(Initial)	NAPHTHALENE	0.00078 mg/kg	0.0019U mg/kg

Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page	1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.		
Laboratory SDG:	APP33		
Date(s) of Collection:	June 13th, 2017		
Number/Type Samples & Analyses:	30 soil samples and 6 field duplicates for a project-specific list of SVOCs and PAHs		
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA		
Completed:	August 23rd, 2017		

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for soil data included in Sample Delivery Group (SDG) APP33. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017.

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✓ Holding times and sample preservation

✗ Laboratory method blank data

✗ Field rinsate blank data

NA Trip blank data

✗ Laboratory control sample (LCS) recoveries

✓ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✓ Surrogate recoveries

✓ Laboratory duplicate results

✗ Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of "J" data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

DU12-S014-00-01, DU12-S014-01-10, DU12-S009-01-10, DU12-S013-01-10, DU12-S013-01-10D, DU14-S012-00-01, DU14-S012-01-10, DU14-S012-01-10D, DU14-S015-01-10, DU14-S010-00-01, DU14-S010-01-10, DU14-S010-01-10D, DU14-S008-00-01, DU14-S008-01-10, DU14-S008-01-10D, DU14-S007-00-01, DU14-S007-01-10, DU14-S016-01-10, DU14-S014-00-01, and DU14-S014-01-10 samples were run for regular 8270 and 8270 SIM. The final results will be presented in 8270 SIM.

Samples DU12-S014-00-01, DU12-S014-01-10, DU14-S008-00-01, DU14-S008-01-10, DU14-S008-01-10D, DU14-S007-00-01, DU14-S007-01-10, DU14-S016-01-10, DU14-S014-00-01, and DU14-S014-01-10 were analyzed for 8270D SIM however the internal standard was outside the QC acceptance limits. Samples were re-analyzed and the internal standards areas were once again outside the limits which indicated a matrix effect. Both set of results are comparable. The initial results will be presented.

These 8270D SIM samples were re-extracted (past hold time) and re-analyzed because target analytes (benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, chrysene, naphthalene, and pyrene) were detected in the method blank: DU12-S013-01-10, DU12-S013-01-10D, DU14-S012-00-01 (RE2), DU14-S012-01-10, DU14-S012-01-10D. All PAH analytes for these samples will be presented in the 8270D.

Analytes were over calibration in method 8270D in samples DU12-S005-00-01 (anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, fluoranthene, phenanthrene, and pyrene), DU12-S005-01-10 (fluoranthene and phenanthrene), DU12-S003-00-01 (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenz(a,h)anthracene, fluoranthene, phenanthene, and pyrene), DU12-S003-01-10 (fluoranthene, phenanthrene, and pyrene), DU12-S002-00-01 (anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, fluoranthene, indeno(1,2,3-cd)pyrene, phenanthrene, and pyrene), DU12-S001-00-01 (acenaphthene, anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, phenanthrene, and pyrene), DU12-S004-00-01 (anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, chrysene, fluoranthene, indeno(1,2,3-cd)pyrene, phenanthrene, and pyrene). The samples were diluted and re-analyzed. All results will be presented in the undiluted except for the analytes that were over calibration.

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Validation Area	*Note*
Technical Holding Times	SR
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	SR
Surrogate/Tracer Spikes	SR
Matrix Spike/Matrix Spike Duplicates	N
Laboratory Duplicates	N
Laboratory Replicates	N
Laboratory Control Samples	SR
Compound Quantitation	SR
Field Duplicates	SR
Field Triplicates	N
Field Blanks	SR

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU12-S001-00-01 **Collected:** 6/13/2017 12:55:00 PM **Analysis Type:** Dilution-01 **Dilution:** 200

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	4.0	J	6.9	LOD	6.9	LOQ	mg/kg	NP	RI, ProfJudg
2-Methylphenol (o-Cresol)	6.9	U	6.9	LOD	6.9	LOQ	mg/kg	NP	ProfJudg
4-Chloroaniline [p-Chloroaniline]	14	U	14	LOD	14	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU12-S001-00-01 **Collected:** 6/13/2017 12:55:00 PM **Analysis Type:** Dilution-01-ACID **Dilution:** 200

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	6.9	U	6.9	LOD	6.9	LOQ	mg/kg	NP	ProfJudg
4-CHLORO-3-METHYLPHENOL	6.9	U	6.9	LOD	6.9	LOQ	mg/kg	NP	ProfJudg
BENZOIC ACID	100	U	100	LOD	100	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU12-S001-00-01 **Collected:** 6/13/2017 12:55:00 PM **Analysis Type:** Dilution-01-BASE/ NEUTRAL **Dilution:** 200

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	6.9	U	6.9	LOD	6.9	LOQ	mg/kg	NP	ProfJudg
1-METHYLNAPHTHALENE	13		1.4	LOD	3.5	LOQ	mg/kg	NP	ProfJudg
2-CHLORONAPHTHALENE	2.8	U	2.8	LOD	6.8	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	18		1.4	LOD	3.5	LOQ	mg/kg	NP	ProfJudg
BENZALDEHYDE	28	U	28	LOD	35	LOQ	mg/kg	NP	ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	28	U	28	LOD	35	LOQ	mg/kg	NP	ProfJudg
Butyl benzyl phthalate	28	U	28	LOD	35	LOQ	mg/kg	NP	ProfJudg
CAPROLACTAM	28	U	28	LOD	35	LOQ	mg/kg	NP	ProfJudg
CARBAZOLE	26		6.9	LOD	6.9	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	25		1.4	LOD	3.5	LOQ	mg/kg	NP	ProfJudg
DIBENZOFURAN	45		6.9	LOD	6.9	LOQ	mg/kg	NP	ProfJudg
DIETHYL PHTHALATE	28	U	28	LOD	35	LOQ	mg/kg	NP	ProfJudg
DIMETHYL PHTHALATE	28	U	28	LOD	35	LOQ	mg/kg	NP	ProfJudg
DI-N-BUTYL PHTHALATE	28	U	28	LOD	35	LOQ	mg/kg	NP	ProfJudg
DI-N-OCTYL PHTHALATE	28	U	28	LOD	35	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	26		1.4	LOD	3.5	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU12-S001-00-01 **Collected:** 6/13/2017 12:55:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 10

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	47	E	0.069	LOD	0.18	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	4.5		0.069	LOD	0.18	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	98	E	0.069	LOD	0.18	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	150	E	0.069	LOD	0.18	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	65	E	0.069	LOD	0.18	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	110	E	0.069	LOD	0.18	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	150	E	0.069	LOD	0.18	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	56	E	0.069	LOD	0.18	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	130	E	0.069	LOD	0.18	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	190	E	0.069	LOD	0.18	LOQ	mg/kg	NP	ProfJudg
FLUORENE	63	E	0.069	LOD	0.18	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	65	E	0.069	LOD	0.18	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	170	E	0.069	LOD	0.18	LOQ	mg/kg	NP	ProfJudg
PYRENE	190	E	0.069	LOD	0.18	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU12-S001-01-10 **Collected:** 6/13/2017 1:00:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.032	J	0.040	LOD	0.040	LOQ	mg/kg	J	Rl

Sample ID: DU12-S001-01-10 **Collected:** 6/13/2017 1:00:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.14		0.008	LOD	0.020	LOQ	mg/kg	J	Fd
BENZO(K)FLUORANTHENE	0.53		0.008	LOD	0.020	LOQ	mg/kg	J	Fd
CAPROLACTAM	0.20		0.16	LOD	0.20	LOQ	mg/kg	J	Fd
DIBENZO(A,H)ANTHRACENE	0.14		0.008	LOD	0.020	LOQ	mg/kg	J	Fd
FLUORANTHENE	2.2		0.008	LOD	0.020	LOQ	mg/kg	J	Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU12-S001-01-10D **Collected:** 6/13/2017 1:00:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.035	J	0.038	LOD	0.038	LOQ	mg/kg	J	Rl

Sample ID: DU12-S001-01-10D **Collected:** 6/13/2017 1:00:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.079		0.008	LOD	0.020	LOQ	mg/kg	J	Fd
BENZO(K)FLUORANTHENE	0.38		0.008	LOD	0.020	LOQ	mg/kg	J	Fd
CAPROLACTAM	0.15	U	0.15	LOD	0.19	LOQ	mg/kg	UJ	Fd
DIBENZO(A,H)ANTHRACENE	0.10		0.008	LOD	0.020	LOQ	mg/kg	J	Fd
FLUORANTHENE	1.6		0.008	LOD	0.020	LOQ	mg/kg	J	Fd

Sample ID: DU12-S002-00-01 **Collected:** 6/13/2017 12:45:00 PM **Analysis Type:** Dilution-01 **Dilution:** 50

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	1.7	U	1.7	LOD	1.7	LOQ	mg/kg	NP	ProfJudg
2-Methylphenol (o-Cresol)	1.7	U	1.7	LOD	1.7	LOQ	mg/kg	NP	ProfJudg
4-Chloroaniline [p-Chloroaniline]	3.4	U	3.4	LOD	3.4	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU12-S002-00-01 **Collected:** 6/13/2017 12:45:00 PM **Analysis Type:** Dilution-01-ACID **Dilution:** 50

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.7	U	1.7	LOD	1.7	LOQ	mg/kg	NP	ProfJudg
4-CHLORO-3-METHYLPHENOL	1.7	U	1.7	LOD	1.7	LOQ	mg/kg	NP	ProfJudg
BENZOIC ACID	25	U	25	LOD	25	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU12-S002-00-01 **Collected:** 6/13/2017 12:45:00 PM **Analysis Type:** Dilution-01-BASE/NEUTRAL **Dilution:** 50

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	1.7	U	1.7	LOD	1.7	LOQ	mg/kg	NP	ProfJudg
1-METHYLNAPHTHALENE	2.3		0.34	LOD	0.86	LOQ	mg/kg	NP	ProfJudg
2-CHLORONAPHTHALENE	0.68	U	0.68	LOD	1.7	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	2.7		0.34	LOD	0.86	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	13		0.34	LOD	0.86	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU12-S002-00-01 **Collected:** 6/13/2017 12:45:00 PM **Analysis Type:** Dilution-01-BASE/ NEUTRAL **Dilution:** 50

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	2.0		0.34	LOD	0.86	LOQ	mg/kg	NP	ProfJudg
BENZALDEHYDE	6.8	U	6.8	LOD	8.5	LOQ	mg/kg	NP	ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	6.8	U	6.8	LOD	8.6	LOQ	mg/kg	NP	ProfJudg
Butyl benzyl phthalate	6.8	U	6.8	LOD	8.5	LOQ	mg/kg	NP	ProfJudg
CAPROLACTAM	6.8	U	6.8	LOD	8.5	LOQ	mg/kg	NP	ProfJudg
CARBAZOLE	5.7		1.7	LOD	1.7	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	14		0.34	LOD	0.86	LOQ	mg/kg	NP	ProfJudg
DIBENZOFURAN	9.9		1.7	LOD	1.7	LOQ	mg/kg	NP	ProfJudg
DIETHYL PHTHALATE	6.8	U	6.8	LOD	8.5	LOQ	mg/kg	NP	ProfJudg
DIMETHYL PHTHALATE	6.8	U	6.8	LOD	8.5	LOQ	mg/kg	NP	ProfJudg
DI-N-BUTYL PHTHALATE	6.8	U	6.8	LOD	8.5	LOQ	mg/kg	NP	ProfJudg
DI-N-OCTYL PHTHALATE	6.8	U	6.8	LOD	8.5	LOQ	mg/kg	NP	ProfJudg
FLUORENE	19		0.34	LOD	0.86	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	4.8		0.34	LOD	0.86	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU12-S002-00-01 **Collected:** 6/13/2017 12:45:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	36	E	0.034	LOD	0.086	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	80	E	0.034	LOD	0.086	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	32	E	0.034	LOD	0.086	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	55	E	0.034	LOD	0.086	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	78	E	0.034	LOD	0.086	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	21	E	0.034	LOD	0.086	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	55	E	0.034	LOD	0.086	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	82	E	0.034	LOD	0.086	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	33	E	0.034	LOD	0.086	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	57	E	0.034	LOD	0.086	LOQ	mg/kg	NP	ProfJudg
PYRENE	86	E	0.034	LOD	0.086	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU12-S003-00-01 **Collected:** 6/13/2017 12:30:00 PM **Analysis Type:** Dilution-01 **Dilution:** 25

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.62	J	0.90	LOD	0.90	LOQ	mg/kg	NP	RI, ProfJudg
2-Methylphenol (o-Cresol)	0.90	U	0.90	LOD	0.90	LOQ	mg/kg	NP	ProfJudg
4-Chloroaniline [p-Chloroaniline]	1.8	U	1.8	LOD	1.8	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU12-S003-00-01 **Collected:** 6/13/2017 12:30:00 PM **Analysis Type:** Dilution-01-ACID **Dilution:** 25

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.90	U	0.90	LOD	0.90	LOQ	mg/kg	NP	ProfJudg
4-CHLORO-3-METHYLPHENOL	0.90	U	0.90	LOD	0.90	LOQ	mg/kg	NP	ProfJudg
BENZOIC ACID	13	U	13	LOD	13	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU12-S003-00-01 **Collected:** 6/13/2017 12:30:00 PM **Analysis Type:** Dilution-01-BASE/ NEUTRAL **Dilution:** 25

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	0.90	U	0.90	LOD	0.90	LOQ	mg/kg	NP	ProfJudg
1-METHYLNAPHTHALENE	1.5		0.18	LOD	0.46	LOQ	mg/kg	NP	ProfJudg
2-CHLORONAPHTHALENE	0.36	U	0.36	LOD	0.89	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	1.8		0.18	LOD	0.46	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	8.6		0.18	LOD	0.46	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.85		0.18	LOD	0.46	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	24		0.18	LOD	0.46	LOQ	mg/kg	NP	ProfJudg
BENZALDEHYDE	3.6	U	3.6	LOD	4.5	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	14		0.18	LOD	0.46	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	20		0.18	LOD	0.46	LOQ	mg/kg	NP	ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	3.6	U	3.6	LOD	4.6	LOQ	mg/kg	NP	ProfJudg
Butyl benzyl phthalate	3.6	U	3.6	LOD	4.5	LOQ	mg/kg	NP	ProfJudg
CAPROLACTAM	3.6	U	3.6	LOD	4.5	LOQ	mg/kg	NP	ProfJudg
CARBAZOLE	3.9		0.90	LOD	0.90	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	4.8		0.18	LOD	0.46	LOQ	mg/kg	NP	ProfJudg
DIBENZOFURAN	7.6		0.90	LOD	0.90	LOQ	mg/kg	NP	ProfJudg
DIETHYL PHTHALATE	3.6	U	3.6	LOD	4.5	LOQ	mg/kg	NP	ProfJudg
DIMETHYL PHTHALATE	3.6	U	3.6	LOD	4.5	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU12-S003-00-01 **Collected:** 6/13/2017 12:30:00 PM **Analysis Type:** Dilution-01-BASE/NEUTRAL **Dilution:** 25

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DI-N-BUTYL PHTHALATE	3.6	U	3.6	LOD	4.5	LOQ	mg/kg	NP	ProfJudg
DI-N-OCTYL PHTHALATE	3.6	U	3.6	LOD	4.5	LOQ	mg/kg	NP	ProfJudg
FLUORENE	13		0.18	LOD	0.46	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	14		0.18	LOD	0.46	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	2.6		0.18	LOD	0.46	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU12-S003-00-01 **Collected:** 6/13/2017 12:30:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	29	E	0.036	LOD	0.091	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	23	E	0.036	LOD	0.091	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	31	E	0.036	LOD	0.091	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	23	E	0.036	LOD	0.091	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	49	E	0.036	LOD	0.091	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	45	E	0.036	LOD	0.091	LOQ	mg/kg	NP	ProfJudg
PYRENE	44	E	0.036	LOD	0.091	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU12-S003-01-10 **Collected:** 6/13/2017 12:40:00 PM **Analysis Type:** Dilution-01 **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.24		0.19	LOD	0.19	LOQ	mg/kg	NP	ProfJudg
2-Methylphenol (o-Cresol)	0.19	U	0.19	LOD	0.19	LOQ	mg/kg	NP	ProfJudg
4-Chloroaniline [p-Chloroaniline]	0.38	U	0.38	LOD	0.38	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU12-S003-01-10 **Collected:** 6/13/2017 12:40:00 PM **Analysis Type:** Dilution-01-ACID **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.19	U	0.19	LOD	0.19	LOQ	mg/kg	NP	ProfJudg
4-CHLORO-3-METHYLPHENOL	0.19	U	0.19	LOD	0.19	LOQ	mg/kg	NP	ProfJudg
BENZOIC ACID	2.8	U	2.8	LOD	2.8	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU12-S003-01-10 **Collected:** 6/13/2017 12:40:00 PM **Analysis Type:** Dilution-01-BASE/ NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	0.19	U	0.19	LOD	0.19	LOQ	mg/kg	NP	ProfJudg
1-METHYLNAPHTHALENE	0.29		0.038	LOD	0.096	LOQ	mg/kg	NP	ProfJudg
2-CHLORONAPHTHALENE	0.075	U	0.075	LOD	0.19	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.33		0.038	LOD	0.096	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	1.6		0.038	LOD	0.096	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.10		0.038	LOD	0.096	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	4.2		0.038	LOD	0.096	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	2.6		0.038	LOD	0.096	LOQ	mg/kg	NP	ProfJudg
BENZALDEHYDE	0.75	U	0.75	LOD	0.94	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.96		0.038	LOD	0.096	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	1.9		0.038	LOD	0.096	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	2.3		0.038	LOD	0.096	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	1.3		0.038	LOD	0.096	LOQ	mg/kg	NP	ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	0.75	U	0.75	LOD	0.96	LOQ	mg/kg	NP	ProfJudg
Butyl benzyl phthalate	0.75	U	0.75	LOD	0.94	LOQ	mg/kg	NP	ProfJudg
CAPROLACTAM	0.75	U	0.75	LOD	0.94	LOQ	mg/kg	NP	ProfJudg
CARBAZOLE	0.65		0.19	LOD	0.19	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	2.1		0.038	LOD	0.096	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.31		0.038	LOD	0.096	LOQ	mg/kg	NP	ProfJudg
DIBENZOFURAN	2.3		0.19	LOD	0.19	LOQ	mg/kg	NP	ProfJudg
DIETHYL PHTHALATE	0.75	U	0.75	LOD	0.94	LOQ	mg/kg	NP	ProfJudg
DIMETHYL PHTHALATE	0.75	U	0.75	LOD	0.94	LOQ	mg/kg	NP	ProfJudg
DI-N-BUTYL PHTHALATE	0.75	U	0.75	LOD	0.94	LOQ	mg/kg	NP	ProfJudg
DI-N-OCTYL PHTHALATE	0.75	U	0.75	LOD	0.94	LOQ	mg/kg	NP	ProfJudg
FLUORENE	2.9		0.038	LOD	0.096	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.97		0.038	LOD	0.096	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.51		0.038	LOD	0.096	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU12-S003-01-10 **Collected:** 6/13/2017 12:40:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORANTHENE	7.6	E	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU12-S003-01-10 **Collected:** 6/13/2017 12:40:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
PHENANTHRENE	9.9	E	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PYRENE	6.3	E	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU12-S004-00-01 **Collected:** 6/13/2017 3:45:00 PM **Analysis Type:** Dilution-01 **Dilution:** 100

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	3.6	U	3.6	LOD	3.6	LOQ	mg/kg	NP	ProfJudg
2-Methylphenol (o-Cresol)	3.6	U	3.6	LOD	3.6	LOQ	mg/kg	NP	ProfJudg
4-Chloroaniline [p-Chloroaniline]	7.1	U	7.1	LOD	7.1	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU12-S004-00-01 **Collected:** 6/13/2017 3:45:00 PM **Analysis Type:** Dilution-01-ACID **Dilution:** 100

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	3.6	U	3.6	LOD	3.6	LOQ	mg/kg	NP	ProfJudg
4-CHLORO-3-METHYLPHENOL	3.6	U	3.6	LOD	3.6	LOQ	mg/kg	NP	ProfJudg
BENZOIC ACID	53	U	53	LOD	53	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU12-S004-00-01 **Collected:** 6/13/2017 3:45:00 PM **Analysis Type:** Dilution-01-BASE/NEUTRAL **Dilution:** 100

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	3.6	U	3.6	LOD	3.6	LOQ	mg/kg	NP	ProfJudg
1-METHYLNAPHTHALENE	3.4		0.71	LOD	1.8	LOQ	mg/kg	NP	ProfJudg
2-CHLORONAPHTHALENE	1.4	U	1.4	LOD	3.5	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	3.7		0.71	LOD	1.8	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	33		0.71	LOD	1.8	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	3.5		0.71	LOD	1.8	LOQ	mg/kg	NP	ProfJudg
BENZALDEHYDE	14	U	14	LOD	18	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	75		0.71	LOD	1.8	LOQ	mg/kg	NP	ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	14	U	14	LOD	18	LOQ	mg/kg	NP	ProfJudg
Butyl benzyl phthalate	14	U	14	LOD	18	LOQ	mg/kg	NP	ProfJudg
CAPROLACTAM	14	U	14	LOD	18	LOQ	mg/kg	NP	ProfJudg
CARBAZOLE	12		3.6	LOD	3.6	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU12-S004-00-01 **Collected:** 6/13/2017 3:45:00 PM **Analysis Type:** Dilution-01-BASE/ NEUTRAL **Dilution:** 100

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DIBENZO(A,H)ANTHRACENE	19		0.71	LOD	1.8	LOQ	mg/kg	NP	ProfJudg
DIBENZOFURAN	25		3.6	LOD	3.6	LOQ	mg/kg	NP	ProfJudg
DIETHYL PHTHALATE	14	U	14	LOD	18	LOQ	mg/kg	NP	ProfJudg
DIMETHYL PHTHALATE	14	U	14	LOD	18	LOQ	mg/kg	NP	ProfJudg
DI-N-BUTYL PHTHALATE	14	U	14	LOD	18	LOQ	mg/kg	NP	ProfJudg
DI-N-OCTYL PHTHALATE	14	U	14	LOD	18	LOQ	mg/kg	NP	ProfJudg
FLUORENE	46		0.71	LOD	1.8	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	2.9		0.71	LOD	1.8	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU12-S004-00-01 **Collected:** 6/13/2017 3:45:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 10

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	77	E	0.071	LOD	0.18	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	130	E	0.071	LOD	0.18	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	53	E	0.071	LOD	0.18	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	95	E	0.071	LOD	0.18	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	140	E	0.071	LOD	0.18	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	100	E	0.071	LOD	0.18	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	180	E	0.071	LOD	0.18	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	55	E	0.071	LOD	0.18	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	150	E	0.071	LOD	0.18	LOQ	mg/kg	NP	ProfJudg
PYRENE	170	E	0.071	LOD	0.18	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU12-S004-01-10 **Collected:** 6/13/2017 3:50:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.020		0.007	LOD	0.018	LOQ	mg/kg	J	Fd
2-METHYLNAPHTHALENE	0.020		0.007	LOD	0.018	LOQ	mg/kg	J	Fd
ANTHRACENE	0.63		0.007	LOD	0.018	LOQ	mg/kg	J	Fd
CARBAZOLE	0.14		0.036	LOD	0.036	LOQ	mg/kg	J	Fd
DIBENZOFURAN	0.13		0.036	LOD	0.036	LOQ	mg/kg	J	Fd
FLUORENE	0.25		0.007	LOD	0.018	LOQ	mg/kg	J	Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU12-S004-01-10 **Collected:** 6/13/2017 3:50:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NAPHTHALENE	0.021		0.007	LOD	0.018	LOQ	mg/kg	J	Fd

Sample ID: DU12-S004-01-10D **Collected:** 6/13/2017 3:50:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.013	J	0.007	LOD	0.019	LOQ	mg/kg	J	RI, Fd
2-METHYLNAPHTHALENE	0.014	J	0.007	LOD	0.019	LOQ	mg/kg	J	RI, Fd
ANTHRACENE	0.46		0.007	LOD	0.019	LOQ	mg/kg	J	Fd
CARBAZOLE	0.094		0.037	LOD	0.037	LOQ	mg/kg	J	Fd
DIBENZOFURAN	0.089		0.037	LOD	0.037	LOQ	mg/kg	J	Fd
FLUORENE	0.17		0.007	LOD	0.019	LOQ	mg/kg	J	Fd
NAPHTHALENE	0.034		0.007	LOD	0.019	LOQ	mg/kg	J	Fd

Sample ID: DU12-S005-00-01 **Collected:** 6/13/2017 1:05:00 PM **Analysis Type:** Dilution-01 **Dilution:** 25

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	2.0		0.85	LOD	0.85	LOQ	mg/kg	NP	ProfJudg
2-Methylphenol (o-Cresol)	0.85	U	0.85	LOD	0.85	LOQ	mg/kg	NP	ProfJudg
4-Chloroaniline [p-Chloroaniline]	1.7	U	1.7	LOD	1.7	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU12-S005-00-01 **Collected:** 6/13/2017 1:05:00 PM **Analysis Type:** Dilution-01-ACID **Dilution:** 25

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.85	U	0.85	LOD	0.85	LOQ	mg/kg	NP	ProfJudg
4-CHLORO-3-METHYLPHENOL	0.85	U	0.85	LOD	0.85	LOQ	mg/kg	NP	ProfJudg
BENZOIC ACID	13	U	13	LOD	13	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU12-S005-00-01 **Collected:** 6/13/2017 1:05:00 PM **Analysis Type:** Dilution-01-BASE/NEUTRAL **Dilution:** 25

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	0.85	U	0.85	LOD	0.85	LOQ	mg/kg	NP	ProfJudg
1-METHYLNAPHTHALENE	4.2		0.17	LOD	0.44	LOQ	mg/kg	NP	ProfJudg
2-CHLORONAPHTHALENE	0.34	U	0.34	LOD	0.85	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU12-S005-00-01 **Collected:** 6/13/2017 1:05:00 PM **Analysis Type:** Dilution-01-BASE/NEUTRAL **Dilution:** 25

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	7.0		0.17	LOD	0.44	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	12		0.17	LOD	0.44	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.97		0.17	LOD	0.44	LOQ	mg/kg	NP	ProfJudg
BENZALDEHYDE	3.4	U	3.4	LOD	4.3	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	14		0.17	LOD	0.44	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	16		0.17	LOD	0.44	LOQ	mg/kg	NP	ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	3.4	U	3.4	LOD	4.4	LOQ	mg/kg	NP	ProfJudg
Butyl benzyl phthalate	3.4	U	3.4	LOD	4.3	LOQ	mg/kg	NP	ProfJudg
CAPROLACTAM	3.4	U	3.4	LOD	4.3	LOQ	mg/kg	NP	ProfJudg
CARBAZOLE	8.6		0.85	LOD	0.85	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	4.9		0.17	LOD	0.44	LOQ	mg/kg	NP	ProfJudg
DIBENZOFURAN	12		0.85	LOD	0.85	LOQ	mg/kg	NP	ProfJudg
DIETHYL PHTHALATE	3.4	U	3.4	LOD	4.3	LOQ	mg/kg	NP	ProfJudg
DIMETHYL PHTHALATE	3.4	U	3.4	LOD	4.3	LOQ	mg/kg	NP	ProfJudg
DI-N-BUTYL PHTHALATE	3.4	U	3.4	LOD	4.3	LOQ	mg/kg	NP	ProfJudg
DI-N-OCTYL PHTHALATE	3.4	U	3.4	LOD	4.3	LOQ	mg/kg	NP	ProfJudg
FLUORENE	18		0.17	LOD	0.44	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	14		0.17	LOD	0.44	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	16		0.17	LOD	0.44	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU12-S005-00-01 **Collected:** 6/13/2017 1:05:00 PM **Analysis Type:** Initial-ACID **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.094	J	0.17	LOD	0.17	LOQ	mg/kg	J	RI

Sample ID: DU12-S005-00-01 **Collected:** 6/13/2017 1:05:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	26	E	0.034	LOD	0.087	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	30	E	0.034	LOD	0.087	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	21	E	0.034	LOD	0.087	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	30	E	0.034	LOD	0.087	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU12-S005-00-01 **Collected:** 6/13/2017 1:05:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	26	E	0.034	LOD	0.087	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	50	E	0.034	LOD	0.087	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	53	E	0.034	LOD	0.087	LOQ	mg/kg	NP	ProfJudg
PYRENE	46	E	0.034	LOD	0.087	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU12-S005-01-10 **Collected:** 6/13/2017 1:10:00 PM **Analysis Type:** Dilution-01 **Dilution:** 25

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.94	U	0.94	LOD	0.94	LOQ	mg/kg	NP	ProfJudg
2-Methylphenol (o-Cresol)	0.94	U	0.94	LOD	0.94	LOQ	mg/kg	NP	ProfJudg
4-Chloroaniline [p-Chloroaniline]	1.9	U	1.9	LOD	1.9	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU12-S005-01-10 **Collected:** 6/13/2017 1:10:00 PM **Analysis Type:** Dilution-01-ACID **Dilution:** 25

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.94	U	0.94	LOD	0.94	LOQ	mg/kg	NP	ProfJudg
4-CHLORO-3-METHYLPHENOL	0.94	U	0.94	LOD	0.94	LOQ	mg/kg	NP	ProfJudg
BENZOIC ACID	14	U	14	LOD	14	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU12-S005-01-10 **Collected:** 6/13/2017 1:10:00 PM **Analysis Type:** Dilution-01-BASE/NEUTRAL **Dilution:** 25

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	0.94	U	0.94	LOD	0.94	LOQ	mg/kg	NP	ProfJudg
1-METHYLNAPHTHALENE	1.1		0.19	LOD	0.48	LOQ	mg/kg	NP	ProfJudg
2-CHLORONAPHTHALENE	0.38	U	0.38	LOD	0.93	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	1.8		0.19	LOD	0.48	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	3.9		0.19	LOD	0.48	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.41	J	0.19	LOD	0.48	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	10		0.19	LOD	0.48	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	11		0.19	LOD	0.48	LOQ	mg/kg	NP	ProfJudg
BENZALDEHYDE	3.8	U	3.8	LOD	4.7	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	4.5		0.19	LOD	0.48	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU12-S005-01-10 **Collected:** 6/13/2017 1:10:00 PM **Analysis Type:** Dilution-01-BASE/ NEUTRAL **Dilution:** 25

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(A)PYRENE	8.9		0.19	LOD	0.48	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	11		0.19	LOD	0.48	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	6.7		0.19	LOD	0.48	LOQ	mg/kg	NP	ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	3.8	U	3.8	LOD	4.8	LOQ	mg/kg	NP	ProfJudg
Butyl benzyl phthalate	3.8	U	3.8	LOD	4.7	LOQ	mg/kg	NP	ProfJudg
CAPROLACTAM	3.8	U	3.8	LOD	4.7	LOQ	mg/kg	NP	ProfJudg
CARBAZOLE	2.3		0.94	LOD	0.94	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	10		0.19	LOD	0.48	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	1.5		0.19	LOD	0.48	LOQ	mg/kg	NP	ProfJudg
DIBENZOFURAN	3.8		0.94	LOD	0.94	LOQ	mg/kg	NP	ProfJudg
DIETHYL PHTHALATE	3.8	U	3.8	LOD	4.7	LOQ	mg/kg	NP	ProfJudg
DIMETHYL PHTHALATE	3.8	U	3.8	LOD	4.7	LOQ	mg/kg	NP	ProfJudg
DI-N-BUTYL PHTHALATE	3.8	U	3.8	LOD	4.7	LOQ	mg/kg	NP	ProfJudg
DI-N-OCTYL PHTHALATE	3.8	U	3.8	LOD	4.7	LOQ	mg/kg	NP	ProfJudg
FLUORENE	6.0		0.19	LOD	0.48	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	4.7		0.19	LOD	0.48	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	3.8		0.19	LOD	0.48	LOQ	mg/kg	NP	ProfJudg
PYRENE	21		0.19	LOD	0.48	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU12-S005-01-10 **Collected:** 6/13/2017 1:10:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORANTHENE	23	E	0.037	LOD	0.096	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	25	E	0.037	LOD	0.096	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU12-S009-00-01 **Collected:** 6/13/2017 1:40:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.046	J	0.036	LOD	0.092	LOQ	mg/kg	J	RI
2-METHYLNAPHTHALENE	0.049	J	0.036	LOD	0.092	LOQ	mg/kg	J	RI
DIBENZOFURAN	0.15	J	0.18	LOD	0.18	LOQ	mg/kg	J	RI
NAPHTHALENE	0.078	J	0.036	LOD	0.092	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU12-S009-01-10 **Collected:** 6/13/2017 1:45:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.006	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.021		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.083		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.055		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.091		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.11		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.055		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.090		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.016	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.17		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.007	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.052		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.067		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.14		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU12-S013-00-01 **Collected:** 6/13/2017 1:50:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.015	J	0.008	LOD	0.020	LOQ	mg/kg	J	RI
ACENAPHTHYLENE	0.014	J	0.008	LOD	0.020	LOQ	mg/kg	J	RI
CARBAZOLE	0.030	J	0.039	LOD	0.039	LOQ	mg/kg	J	RI

Sample ID: DU12-S013-01-10 **Collected:** 6/13/2017 1:55:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.008	J	0.007	LOD	0.019	LOQ	mg/kg	J	RI, Fd
ACENAPHTHENE	0.008	J	0.007	LOD	0.019	LOQ	mg/kg	J	RI, Fd
BENZ(A)ANTHRACENE	0.009	J	0.007	LOD	0.019	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU12-S013-01-10 **Collected:** 6/13/2017 1:55:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Benzo (g,h,i) perylene	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	UJ	Fd
BENZO(A)PYRENE	0.008	J	0.007	LOD	0.019	LOQ	mg/kg	J	Rl
BENZO(B)FLUORANTHENE	0.011	J	0.007	LOD	0.019	LOQ	mg/kg	J	Rl
BENZO(K)FLUORANTHENE	0.006	J	0.007	LOD	0.019	LOQ	mg/kg	J	Rl
CHRYSENE	0.011	J	0.007	LOD	0.019	LOQ	mg/kg	J	Rl
FLUORANTHENE	0.012	J	0.007	LOD	0.019	LOQ	mg/kg	J	Rl
INDENO(1,2,3-CD)PYRENE	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	J	Rl
NAPHTHALENE	0.039		0.007	LOD	0.019	LOQ	mg/kg	J	Fd
PHENANTHRENE	0.007	J	0.007	LOD	0.019	LOQ	mg/kg	J	Rl, Fd
PYRENE	0.012	J	0.007	LOD	0.019	LOQ	mg/kg	J	Rl

Sample ID: DU12-S013-01-10D **Collected:** 6/13/2017 1:55:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	UJ	Fd
ACENAPHTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	UJ	Fd
BENZ(A)ANTHRACENE	0.008	J	0.008	LOD	0.020	LOQ	mg/kg	J	Rl
Benzo (g,h,i) perylene	0.005	J	0.008	LOD	0.020	LOQ	mg/kg	J	Rl, Fd
BENZO(A)PYRENE	0.009	J	0.008	LOD	0.020	LOQ	mg/kg	J	Rl
BENZO(B)FLUORANTHENE	0.01	J	0.008	LOD	0.020	LOQ	mg/kg	J	Rl
BENZO(K)FLUORANTHENE	0.007	J	0.008	LOD	0.020	LOQ	mg/kg	J	Rl
CHRYSENE	0.009	J	0.008	LOD	0.020	LOQ	mg/kg	J	Rl
FLUORANTHENE	0.012	J	0.008	LOD	0.020	LOQ	mg/kg	J	Rl
INDENO(1,2,3-CD)PYRENE	0.004	J	0.008	LOD	0.020	LOQ	mg/kg	J	Rl
NAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	UJ	Fd
PHENANTHRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	UJ	Fd
PYRENE	0.012	J	0.008	LOD	0.020	LOQ	mg/kg	J	Rl

Sample ID: DU12-S014-00-01 **Collected:** 6/13/2017 2:00:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.018	J	0.009	LOD	0.024	LOQ	mg/kg	NP	Rl, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU12-S014-00-01 **Collected:** 6/13/2017 2:00:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.026		0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.006	J	0.009	LOD	0.024	LOQ	mg/kg	NP	Rl, ProfJudg
ACENAPHTHYLENE	0.006	J	0.009	LOD	0.024	LOQ	mg/kg	NP	Rl, ProfJudg
ANTHRACENE	0.012	J	0.009	LOD	0.024	LOQ	mg/kg	NP	Rl, ProfJudg
BENZ(A)ANTHRACENE	0.050		0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.038		0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.059		0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.096		0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.035		0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.062		0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.012	J	0.009	LOD	0.024	LOQ	mg/kg	NP	Rl, ProfJudg
FLUORANTHENE	0.10		0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.006	J	0.009	LOD	0.024	LOQ	mg/kg	NP	Rl, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.040		0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.024	J	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.053		0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.083		0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU12-S014-01-10 **Collected:** 6/13/2017 2:05:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
Benzo (g,h,i) perylene	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
BENZO(A)PYRENE	0.007	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
BENZO(B)FLUORANTHENE	0.008	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
BENZO(K)FLUORANTHENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
CHRYSENE	0.006	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix: SOIL**

Sample ID: DU12-S014-01-10 **Collected:** 6/13/2017 2:05:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.007	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.008	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: DU14-S007-00-01 **Collected:** 6/13/2017 4:00:00 PM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.21	J	0.61	LOD	0.61	LOQ	mg/kg	J	RI

Sample ID: DU14-S007-00-01 **Collected:** 6/13/2017 4:00:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.004	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
Benzo (g,h,i) perylene	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.004	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.006	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.004	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.007	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix: SOIL**

Sample ID: DU14-S007-00-01 **Collected:** 6/13/2017 4:00:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
PHENANTHRENE	0.004	J	0.008	LOD	0.021	LOQ	mg/kg	NP	Rl, ProfJudg
PYRENE	0.007	J	0.008	LOD	0.021	LOQ	mg/kg	NP	Rl, ProfJudg

Sample ID: DU14-S007-01-10 **Collected:** 6/13/2017 4:05:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.01	J	0.008	LOD	0.020	LOQ	mg/kg	NP	Rl, ProfJudg
BENZ(A)ANTHRACENE	0.028		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.017	J	0.008	LOD	0.020	LOQ	mg/kg	NP	Rl, ProfJudg
BENZO(A)PYRENE	0.027		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.036		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.025		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.028		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.006	J	0.008	LOD	0.020	LOQ	mg/kg	NP	Rl, ProfJudg
FLUORANTHENE	0.062		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.006	J	0.008	LOD	0.020	LOQ	mg/kg	NP	Rl, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.016	J	0.008	LOD	0.020	LOQ	mg/kg	NP	Rl, ProfJudg
NAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.044		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.055		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU14-S008-00-01 **Collected:** 6/13/2017 3:40:00 PM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.72	J	0.82	LOD	0.82	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU14-S008-00-01 **Collected:** 6/13/2017 3:40:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	J	0.011	LOD	0.028	LOQ	mg/kg	NP	Rl, ProfJudg
2-METHYLNAPHTHALENE	0.006	J	0.011	LOD	0.028	LOQ	mg/kg	NP	Rl, ProfJudg
ACENAPHTHENE	0.013	J	0.011	LOD	0.028	LOQ	mg/kg	NP	Rl, ProfJudg
ACENAPHTHYLENE	0.038		0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.057		0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.11		0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
BENZALDEHYDE	0.16	J	0.22	LOD	0.27	LOQ	mg/kg	J	Rl
Benzo (g,h,i) perylene	0.074		0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.11		0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.23		0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.093		0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
CARBAZOLE	0.036	J	0.054	LOD	0.054	LOQ	mg/kg	J	Rl
CHRYSENE	0.16		0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.026	J	0.011	LOD	0.028	LOQ	mg/kg	NP	Rl, ProfJudg
FLUORANTHENE	0.29		0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.025	J	0.011	LOD	0.028	LOQ	mg/kg	NP	Rl, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.082		0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.012	J	0.011	LOD	0.028	LOQ	mg/kg	NP	Rl, ProfJudg
PHENANTHRENE	0.13		0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.25		0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU14-S008-01-10 **Collected:** 6/13/2017 3:45:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
BENZ(A)ANTHRACENE	0.006	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
Benzo (g,h,i) perylene	0.007	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
BENZO(A)PYRENE	0.009	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU14-S008-01-10 **Collected:** 6/13/2017 3:45:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(B)FLUORANTHENE	0.010	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
BENZO(K)FLUORANTHENE	0.006	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
CHRYSENE	0.008	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.017	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.006	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.013	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
PYRENE	0.016	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg

Sample ID: DU14-S008-01-10D **Collected:** 6/13/2017 3:45:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	Fd, ProfJudg
BENZ(A)ANTHRACENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
Benzo (g,h,i) perylene	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
BENZO(A)PYRENE	0.006	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
BENZO(B)FLUORANTHENE	0.007	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
BENZO(K)FLUORANTHENE	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
CHRYSENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.011	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.007	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
PYRENE	0.010	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU14-S010-00-01 **Collected:** 6/13/2017 3:25:00 PM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.27	J	0.58	LOD	0.58	LOQ	mg/kg	J	RI

Sample ID: DU14-S010-00-01 **Collected:** 6/13/2017 3:25:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.004	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHENE	0.008	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHYLENE	0.007	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.017	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.065		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.044		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.072		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.10		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.058		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.080		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.015	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.17		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.01	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.044		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.005	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.091		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.14		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU14-S010-01-10 **Collected:** 6/13/2017 3:30:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.013	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, Fd, ProfJudg
2-METHYLNAPHTHALENE	0.020		0.008	LOD	0.019	LOQ	mg/kg	NP	Fd, ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, Fd, ProfJudg
ANTHRACENE	0.007	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, Fd, ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU14-S010-01-10 **Collected:** 6/13/2017 3:30:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.009	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, Fd, ProfJudg
Benzo (g,h,i) perylene	0.006	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, Fd, ProfJudg
BENZO(A)PYRENE	0.009	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, Fd, ProfJudg
BENZO(B)FLUORANTHENE	0.012	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, Fd, ProfJudg
BENZO(K)FLUORANTHENE	0.005	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, Fd, ProfJudg
CHRYSENE	0.008	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, Fd, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.018	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, Fd, ProfJudg
FLUORENE	0.006	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, Fd, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.005	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, Fd, ProfJudg
NAPHTHALENE	0.056		0.008	LOD	0.019	LOQ	mg/kg	NP	Fd, ProfJudg
PHENANTHRENE	0.018	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, Fd, ProfJudg
PYRENE	0.018	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, Fd, ProfJudg

Sample ID: DU14-S010-01-10D **Collected:** 6/13/2017 3:30:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	Fd, ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	Fd, ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	Fd, ProfJudg
ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	Fd, ProfJudg
BENZ(A)ANTHRACENE	0.005	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, Fd, ProfJudg
Benzo (g,h,i) perylene	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	Fd, ProfJudg
BENZO(A)PYRENE	0.005	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, Fd, ProfJudg
BENZO(B)FLUORANTHENE	0.006	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, Fd, ProfJudg
BENZO(K)FLUORANTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	Fd, ProfJudg
CHRYSENE	0.004	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, Fd, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.009	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, Fd, ProfJudg
FLUORENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	Fd, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	Fd, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU14-S010-01-10D **Collected:** 6/13/2017 3:30:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	Fd, ProfJudg
PHENANTHRENE	0.007	J	0.008	LOD	0.020	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
PYRENE	0.009	J	0.008	LOD	0.020	LOQ	mg/kg	NP	Rl, Fd, ProfJudg

Sample ID: DU14-S012-00-01 **Collected:** 6/13/2017 2:55:00 PM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.61	J	0.73	LOD	0.73	LOQ	mg/kg	J	Rl

Sample ID: DU14-S012-00-01 **Collected:** 6/13/2017 2:55:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.006	J	0.01	LOD	0.025	LOQ	mg/kg	J	Rl
ACENAPHTHENE	0.010	J	0.01	LOD	0.025	LOQ	mg/kg	J	Rl
ACENAPHTHYLENE	0.020	J	0.01	LOD	0.025	LOQ	mg/kg	J	Rl
BENZALDEHYDE	0.10	J	0.19	LOD	0.24	LOQ	mg/kg	J	Rl
DIBENZO(A,H)ANTHRACENE	0.017	J	0.01	LOD	0.025	LOQ	mg/kg	J	Rl
FLUORENE	0.015	J	0.01	LOD	0.025	LOQ	mg/kg	J	Rl
NAPHTHALENE	0.012	J	0.01	LOD	0.025	LOQ	mg/kg	J	Rl

Sample ID: DU14-S012-01-10 **Collected:** 6/13/2017 3:00:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.007	J	0.007	LOD	0.019	LOQ	mg/kg	J	Rl
ANTHRACENE	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	J	Rl, Fd
BENZ(A)ANTHRACENE	0.013	J	0.007	LOD	0.019	LOQ	mg/kg	J	Rl
Benzo (g,h,i) perylene	0.008	J	0.007	LOD	0.019	LOQ	mg/kg	J	Rl
BENZO(A)PYRENE	0.013	J	0.007	LOD	0.019	LOQ	mg/kg	J	Rl
BENZO(B)FLUORANTHENE	0.018	J	0.007	LOD	0.019	LOQ	mg/kg	J	Rl, Fd
BENZO(K)FLUORANTHENE	0.009	J	0.007	LOD	0.019	LOQ	mg/kg	J	Rl
CHRYSENE	0.014	J	0.007	LOD	0.019	LOQ	mg/kg	J	Rl, Fd
DIBENZO(A,H)ANTHRACENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	J	Rl, Fd

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU14-S012-01-10 **Collected:** 6/13/2017 3:00:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORANTHENE	0.026		0.007	LOD	0.019	LOQ	mg/kg	J	Fd
INDENO(1,2,3-CD)PYRENE	0.009	J	0.007	LOD	0.019	LOQ	mg/kg	J	Rl, Fd
PHENANTHRENE	0.014	J	0.007	LOD	0.019	LOQ	mg/kg	J	Rl, Fd
PYRENE	0.024		0.007	LOD	0.019	LOQ	mg/kg	J	Fd

Sample ID: DU14-S012-01-10D **Collected:** 6/13/2017 3:00:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.006	J	0.008	LOD	0.020	LOQ	mg/kg	J	Rl
ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	UJ	Fd
BENZ(A)ANTHRACENE	0.010	J	0.008	LOD	0.020	LOQ	mg/kg	J	Rl
Benzo (g,h,i) perylene	0.006	J	0.008	LOD	0.020	LOQ	mg/kg	J	Rl
BENZO(A)PYRENE	0.011	J	0.008	LOD	0.020	LOQ	mg/kg	J	Rl
BENZO(B)FLUORANTHENE	0.013	J	0.008	LOD	0.020	LOQ	mg/kg	J	Rl, Fd
BENZO(K)FLUORANTHENE	0.009	J	0.008	LOD	0.020	LOQ	mg/kg	J	Rl
CHRYSENE	0.009	J	0.008	LOD	0.020	LOQ	mg/kg	J	Rl, Fd
DIBENZO(A,H)ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	UJ	Fd
FLUORANTHENE	0.019	J	0.008	LOD	0.020	LOQ	mg/kg	J	Rl, Fd
INDENO(1,2,3-CD)PYRENE	0.006	J	0.008	LOD	0.020	LOQ	mg/kg	J	Rl, Fd
PHENANTHRENE	0.009	J	0.008	LOD	0.020	LOQ	mg/kg	J	Rl, Fd
PYRENE	0.017	J	0.008	LOD	0.020	LOQ	mg/kg	J	Rl, Fd

Sample ID: DU14-S014-00-01 **Collected:** 6/13/2017 1:45:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **SOIL**

Sample ID: **DU14-S014-00-01** ***Collected:*** **6/13/2017 1:45:00 PM** ***Analysis Type:*** **Initial-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
BENZO(A)PYRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

Sample ID: **DU14-S014-01-10** ***Collected:*** **6/13/2017 1:50:00 PM** ***Analysis Type:*** **Initial-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.007	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
Benzo (g,h,i) perylene	0.007	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.008	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.011	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.007	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.009	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.016	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.008	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.010	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU14-S014-01-10 **Collected:** 6/13/2017 1:50:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
PYRENE	0.015	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: DU14-S015-00-01 **Collected:** 6/13/2017 2:10:00 PM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.50	J	0.63	LOD	0.63	LOQ	mg/kg	J	RI

Sample ID: DU14-S015-00-01 **Collected:** 6/13/2017 2:10:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZALDEHYDE	0.085	J	0.17	LOD	0.21	LOQ	mg/kg	J	RI
DIBENZOFURAN	0.039	J	0.042	LOD	0.042	LOQ	mg/kg	J	RI

Sample ID: DU14-S015-01-10 **Collected:** 6/13/2017 2:15:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.008	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHYLENE	0.008	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.018	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.075		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.053		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.085		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.13		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.064		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.085		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.017	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.18		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.009	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.051		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix: SOIL**

Sample ID: DU14-S015-01-10 **Collected:** 6/13/2017 2:15:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
PHENANTHRENE	0.081		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.15		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU14-S016-00-01 **Collected:** 6/13/2017 2:35:00 PM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.34	J	0.72	LOD	0.72	LOQ	mg/kg	J	RI

Sample ID: DU14-S016-00-01 **Collected:** 6/13/2017 2:35:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.014	J	0.01	LOD	0.025	LOQ	mg/kg	J	RI
2-METHYLNAPHTHALENE	0.013	J	0.01	LOD	0.025	LOQ	mg/kg	J	RI
DIBENZOFURAN	0.033	J	0.048	LOD	0.048	LOQ	mg/kg	J	RI

Sample ID: DU14-S016-01-10 **Collected:** 6/13/2017 2:40:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.005	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.011	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
Benzo (g,h,i) perylene	0.009	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.014	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.021		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.009	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.014	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.026		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix: SOIL**

Sample ID: DU14-S016-01-10 **Collected:** 6/13/2017 2:40:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
INDENO(1,2,3-CD)PYRENE	0.009	J	0.008	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
NAPHTHALENE	0.006	J	0.008	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
PHENANTHRENE	0.014	J	0.008	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
PYRENE	0.025		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

Method Category: SVOA

Method: 8270D SIM **Matrix: SOIL**

Sample ID: DU12-S009-01-10 **Collected:** 6/13/2017 1:45:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.00093	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl
2-METHYLNAPHTHALENE	0.0014	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl
ACENAPHTHYLENE	0.00078	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl

Sample ID: DU12-S013-01-10 **Collected:** 6/13/2017 1:55:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0033		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Fd, ProfJudg
2-METHYLNAPHTHALENE	0.0074		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Fd, ProfJudg
ACENAPHTHENE	0.0070		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Fd, ProfJudg
ACENAPHTHYLENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.0015	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
BENZ(A)ANTHRACENE	0.0022		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.0023		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Mb, ProfJudg
BENZO(B)FLUORANTHENE	0.0031		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Mb, ProfJudg
BENZO(G,H,I)PERYLENE	0.0015	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	Mb, ProfJudg
BENZO(K)FLUORANTHENE	0.0015	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	Rl, ProfJudg
CHRYSENE	0.0026		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Mb, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.0050		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.0022		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Fd, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU12-S013-01-10 **Collected:** 6/13/2017 1:55:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
INDENO(1,2,3-CD)PYRENE	0.0014	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	Rl, ProfJudg
NAPHTHALENE	0.039		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Fd, ProfJudg
PHENANTHRENE	0.0056		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Fd, ProfJudg
PYRENE	0.0049		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU12-S013-01-10D **Collected:** 6/13/2017 1:55:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0016	U	0.0016	LOD	0.0020	LOQ	mg/kg	NP	Fd, ProfJudg
2-METHYLNAPHTHALENE	0.0016	U	0.0016	LOD	0.0020	LOQ	mg/kg	NP	Fd, ProfJudg
ACENAPHTHENE	0.0016	U	0.0016	LOD	0.0020	LOQ	mg/kg	NP	Fd, ProfJudg
ACENAPHTHYLENE	0.0016	U	0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.0010	J	0.0016	LOD	0.0020	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
BENZ(A)ANTHRACENE	0.0029		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.0030		0.0016	LOD	0.0020	LOQ	mg/kg	NP	Mb, ProfJudg
BENZO(B)FLUORANTHENE	0.0041		0.0016	LOD	0.0020	LOQ	mg/kg	NP	Mb, ProfJudg
BENZO(G,H,I)PERYLENE	0.0020		0.0016	LOD	0.0020	LOQ	mg/kg	NP	Mb, ProfJudg
BENZO(K)FLUORANTHENE	0.0019	J	0.0016	LOD	0.0020	LOQ	mg/kg	NP	Rl, ProfJudg
CHRYSENE	0.0032		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0016	U	0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.0060		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.0016	U	0.0016	LOD	0.0020	LOQ	mg/kg	NP	Fd, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.0018	J	0.0016	LOD	0.0020	LOQ	mg/kg	NP	Rl, ProfJudg
NAPHTHALENE	0.0016	U	0.0016	LOD	0.0020	LOQ	mg/kg	NP	Fd, ProfJudg
PHENANTHRENE	0.0039		0.0016	LOD	0.0020	LOQ	mg/kg	NP	Fd, ProfJudg
PYRENE	0.0055		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU12-S013-01-10D-X **Collected:** 6/13/2017 1:55:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0024		0.0016	LOD	0.0020	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
2-METHYLNAPHTHALENE	0.0038		0.0016	LOD	0.0020	LOQ	mg/kg	NP	StoE, Fd, ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU12-S013-01-10D-X **Collected:** 6/13/2017 1:55:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.00083	J	0.0016	LOD	0.0020	LOQ	mg/kg	NP	RI, Lcs, StoE, Fd, ProfJudg
ACENAPHTHYLENE	0.00044	J	0.0016	LOD	0.0020	LOQ	mg/kg	NP	RI, StoE, Fd, ProfJudg
ANTHRACENE	0.00090	J	0.0016	LOD	0.0020	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZ(A)ANTHRACENE	0.0034		0.0016	LOD	0.0020	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
BENZO(A)PYRENE	0.0036		0.0016	LOD	0.0020	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
BENZO(B)FLUORANTHENE	0.0058		0.0016	LOD	0.0020	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
BENZO(G,H,I)PERYLENE	0.00098	J	0.0016	LOD	0.0020	LOQ	mg/kg	NP	RI, StoE, Fd, ProfJudg
BENZO(K)FLUORANTHENE	0.0025		0.0016	LOD	0.0020	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
CHRYSENE	0.0037		0.0016	LOD	0.0020	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0016	U	0.0016	LOD	0.0020	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORANTHENE	0.0078		0.0016	LOD	0.0020	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
FLUORENE	0.00087	J	0.0016	LOD	0.0020	LOQ	mg/kg	NP	RI, StoE, Fd, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.0012	J	0.0016	LOD	0.0020	LOQ	mg/kg	NP	RI, StoE, Fd, ProfJudg
NAPHTHALENE	0.0072		0.0016	LOD	0.0020	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
PHENANTHRENE	0.0053		0.0016	LOD	0.0020	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
PYRENE	0.0070		0.0016	LOD	0.0020	LOQ	mg/kg	NP	StoE, Fd, ProfJudg

Sample ID: DU12-S013-01-10-X **Collected:** 6/13/2017 1:55:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
2-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
ACENAPHTHENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
ACENAPHTHYLENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
ANTHRACENE	0.00069	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZ(A)ANTHRACENE	0.0022		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, Fd, ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU12-S013-01-10-X **Collected:** 6/13/2017 1:55:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(A)PYRENE	0.0021		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
BENZO(B)FLUORANTHENE	0.0033		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
BENZO(G,H,I)PERYLENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
BENZO(K)FLUORANTHENE	0.0015	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	RI, StoE, Fd, ProfJudg
CHRYSENE	0.0021		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORANTHENE	0.0044		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
FLUORENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
NAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
PHENANTHRENE	0.0026		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
PYRENE	0.0038		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, Fd, ProfJudg

Sample ID: DU12-S014-00-01 **Collected:** 6/13/2017 2:00:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.0017	J	0.0019	LOD	0.0024	LOQ	mg/kg	J	RI

Sample ID: DU12-S014-00-01 **Collected:** 6/13/2017 2:00:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.019		0.0019	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.029		0.0019	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.0047		0.0019	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.0020	J	0.0019	LOD	0.0024	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.010		0.0019	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.054		0.0019	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.065		0.0019	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.12		0.0019	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU12-S014-00-01 **Collected:** 6/13/2017 2:00:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(G,H,I)PERYLENE	0.019		0.0019	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.058		0.0019	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.069		0.0019	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0073		0.0019	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.088		0.0019	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.0062		0.0019	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.022		0.0019	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.023		0.0019	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.055		0.0019	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.13		0.0019	LOD	0.0024	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU12-S014-01-10 **Collected:** 6/13/2017 2:05:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.00090	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI
DIBENZO(A,H)ANTHRACENE	0.00077	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI

Sample ID: DU12-S014-01-10 **Collected:** 6/13/2017 2:05:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0022		0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.0042		0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.00088	J	0.0015	LOD	0.0018	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.0045		0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.0061		0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.0087		0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.0026		0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.0047		0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.0048		0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.00085	J	0.0015	LOD	0.0018	LOQ	mg/kg	NP	RI, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU12-S014-01-10 **Collected:** 6/13/2017 2:05:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORANTHENE	0.0058		0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.0026		0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.0051		0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.0032		0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.0086		0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU14-S007-00-01 **Collected:** 6/13/2017 4:00:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.00051	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI
BENZ(A)ANTHRACENE	0.0019	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI
INDENO(1,2,3-CD)PYRENE	0.00093	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI

Sample ID: DU14-S007-00-01 **Collected:** 6/13/2017 4:00:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0016	U	0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.0016	U	0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.0016	U	0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.0016	U	0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.00053	J	0.0016	LOD	0.0020	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.0018	J	0.0016	LOD	0.0020	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.0024		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.0037		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.0016	U	0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.0058		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.0023		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0016	U	0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.0035		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.0050		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.0010	J	0.0016	LOD	0.0020	LOQ	mg/kg	NP	RI, ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU14-S007-00-01 **Collected:** 6/13/2017 4:00:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NAPHTHALENE	0.0016	U	0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.0020	J	0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.0048		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU14-S007-01-10 **Collected:** 6/13/2017 4:05:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.00086	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI
NAPHTHALENE	0.0012	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI

Sample ID: DU14-S007-01-10 **Collected:** 6/13/2017 4:05:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0016	U	0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.00086	J	0.0016	LOD	0.0020	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHENE	0.0032		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.0016	U	0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.0063		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.025		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.026		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.046		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.0065		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.020		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.025		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0027		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.052		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.0057		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.0078		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.0013	J	0.0016	LOD	0.0020	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.037		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.069		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU14-S008-00-01 **Collected:** 6/13/2017 3:40:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0037		0.0022	LOD	0.0027	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.0062		0.0022	LOD	0.0027	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.0093		0.0022	LOD	0.0027	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.019		0.0022	LOD	0.0027	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.032		0.0022	LOD	0.0027	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.11		0.0022	LOD	0.0027	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.11		0.0022	LOD	0.0027	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.27		0.0022	LOD	0.0027	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.033		0.0022	LOD	0.0027	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.13		0.0022	LOD	0.0027	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.17		0.0022	LOD	0.0027	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.013		0.0022	LOD	0.0027	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.27		0.0022	LOD	0.0027	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.028		0.0022	LOD	0.0027	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.041		0.0022	LOD	0.0027	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.0080		0.0022	LOD	0.0027	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.12		0.0022	LOD	0.0027	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.39		0.0022	LOD	0.0027	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU14-S008-01-10 **Collected:** 6/13/2017 3:45:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.0012	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl, Fd
ANTHRACENE	0.0031		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd
BENZO(G,H,I)PERYLENE	0.0015	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl
CHRYSENE	0.0060		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd
FLUORANTHENE	0.014		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd
FLUORENE	0.0011	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl, Fd
INDENO(1,2,3-CD)PYRENE	0.0017	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl
NAPHTHALENE	0.00083	J	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	Eb, Fd
PHENANTHRENE	0.011		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd
PYRENE	0.016		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU14-S008-01-10 **Collected:** 6/13/2017 3:45:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.0015	J	0.0015	LOD	0.0018	LOQ	mg/kg	NP	Rl, ProfJudg
ACENAPHTHYLENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.0031		0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.0052		0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.0056		0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.0092		0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.0015	J	0.0015	LOD	0.0018	LOQ	mg/kg	NP	Rl, ProfJudg
BENZO(K)FLUORANTHENE	0.0042		0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.0061		0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.013		0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.0011	J	0.0015	LOD	0.0018	LOQ	mg/kg	NP	Rl, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.0018	J	0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.00085	J	0.0015	LOD	0.0018	LOQ	mg/kg	NP	Eb, ProfJudg
PHENANTHRENE	0.011		0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.017		0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU14-S008-01-10D **Collected:** 6/13/2017 3:45:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	Fd
ANTHRACENE	0.0012	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Rl, Fd
BENZO(G,H,I)PERYLENE	0.0012	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Rl
CHRYSENE	0.0044		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
FLUORANTHENE	0.0094		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
FLUORENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	Fd
INDENO(1,2,3-CD)PYRENE	0.0014	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Rl
NAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	Fd
PHENANTHRENE	0.0049		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
PYRENE	0.0096		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU14-S008-01-10D **Collected:** 6/13/2017 3:45:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	Fd, ProfJudg
ACENAPHTHYLENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.0012	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
BENZ(A)ANTHRACENE	0.0043		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.0047		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.0076		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.0012	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	Rl, ProfJudg
BENZO(K)FLUORANTHENE	0.0039		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.0045		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.0090		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Fd, ProfJudg
FLUORENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	Fd, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.0014	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	Rl, ProfJudg
NAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	Fd, ProfJudg
PHENANTHRENE	0.0050		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Fd, ProfJudg
PYRENE	0.010		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Fd, ProfJudg

Sample ID: DU14-S010-00-01 **Collected:** 6/13/2017 3:25:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.0013	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Rl

Sample ID: DU14-S010-01-10 **Collected:** 6/13/2017 3:30:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0093		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
2-METHYLNAPHTHALENE	0.017		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
ACENAPHTHENE	0.0016	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Rl, Fd
ACENAPHTHYLENE	0.0029		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
ANTHRACENE	0.0038		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **SOIL**

Sample ID: **DU14-S010-01-10** ***Collected:*** **6/13/2017 3:30:00 PM** ***Analysis Type:*** **Initial-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
BENZ(A)ANTHRACENE	0.0065		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
BENZO(A)PYRENE	0.0059		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
BENZO(B)FLUORANTHENE	0.0092		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
BENZO(G,H,I)PERYLENE	0.0018	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Rl, Fd
BENZO(K)FLUORANTHENE	0.0035		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
CHRYSENE	0.0063		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
FLUORANTHENE	0.014		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
FLUORENE	0.0034		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
INDENO(1,2,3-CD)PYRENE	0.0019		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
NAPHTHALENE	0.041		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
PHENANTHRENE	0.013		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
PYRENE	0.012		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd

Sample ID: **DU14-S010-01-10D** ***Collected:*** **6/13/2017 3:30:00 PM** ***Analysis Type:*** **Initial-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	Fd
2-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	Fd
ACENAPHTHENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	Fd
ACENAPHTHYLENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	Fd
ANTHRACENE	0.0014	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Rl, Fd
BENZ(A)ANTHRACENE	0.0033		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
BENZO(A)PYRENE	0.0031		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
BENZO(B)FLUORANTHENE	0.0051		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
BENZO(G,H,I)PERYLENE	0.0010	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Rl, Fd
BENZO(K)FLUORANTHENE	0.0019	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
CHRYSENE	0.0031		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
FLUORANTHENE	0.0071		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
FLUORENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	Fd
INDENO(1,2,3-CD)PYRENE	0.0011	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Rl, Fd
NAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	Fd
PHENANTHRENE	0.0048		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU14-S010-01-10D **Collected:** 6/13/2017 3:30:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
PYRENE	0.0059		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd

Sample ID: DU14-S012-00-01 **Collected:** 6/13/2017 2:55:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0025		0.0019	LOD	0.0024	LOQ	mg/kg	NP	Surr, ProfJudg
2-METHYLNAPHTHALENE	0.0040		0.0019	LOD	0.0024	LOQ	mg/kg	NP	Surr, ProfJudg
ACENAPHTHENE	0.0053		0.0019	LOD	0.0024	LOQ	mg/kg	NP	Surr, ProfJudg
ACENAPHTHYLENE	0.0026		0.0019	LOD	0.0024	LOQ	mg/kg	NP	Surr, ProfJudg
ANTHRACENE	0.013		0.0019	LOD	0.0024	LOQ	mg/kg	NP	Surr, ProfJudg
BENZ(A)ANTHRACENE	0.068		0.0019	LOD	0.0024	LOQ	mg/kg	NP	Surr, ProfJudg
BENZO(A)PYRENE	0.070		0.0019	LOD	0.0024	LOQ	mg/kg	NP	Surr, ProfJudg
BENZO(B)FLUORANTHENE	0.12		0.0019	LOD	0.0024	LOQ	mg/kg	NP	Surr, ProfJudg
BENZO(G,H,I)PERYLENE	0.020		0.0019	LOD	0.0024	LOQ	mg/kg	NP	Surr, ProfJudg
BENZO(K)FLUORANTHENE	0.065		0.0019	LOD	0.0024	LOQ	mg/kg	NP	Surr, ProfJudg
CHRYSENE	0.081		0.0019	LOD	0.0024	LOQ	mg/kg	NP	Surr, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0073		0.0019	LOD	0.0024	LOQ	mg/kg	NP	Surr, ProfJudg
FLUORANTHENE	0.16		0.0019	LOD	0.0024	LOQ	mg/kg	NP	Surr, ProfJudg
FLUORENE	0.013		0.0019	LOD	0.0024	LOQ	mg/kg	NP	Surr, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.022		0.0019	LOD	0.0024	LOQ	mg/kg	NP	Surr, ProfJudg
NAPHTHALENE	0.0084		0.0019	LOD	0.0024	LOQ	mg/kg	NP	Surr, ProfJudg
PHENANTHRENE	0.087		0.0019	LOD	0.0024	LOQ	mg/kg	NP	Surr, ProfJudg
PYRENE	0.20		0.0019	LOD	0.0024	LOQ	mg/kg	NP	Surr, ProfJudg

Sample ID: DU14-S012-00-01 **Collected:** 6/13/2017 2:55:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0026		0.0019	LOD	0.0024	LOQ	mg/kg	NP	Surr, ProfJudg
2-METHYLNAPHTHALENE	0.0041		0.0019	LOD	0.0024	LOQ	mg/kg	NP	Surr, ProfJudg
ACENAPHTHENE	0.0070		0.0019	LOD	0.0024	LOQ	mg/kg	NP	Surr, ProfJudg
ACENAPHTHYLENE	0.0032		0.0019	LOD	0.0024	LOQ	mg/kg	NP	Surr, ProfJudg
ANTHRACENE	0.014		0.0019	LOD	0.0024	LOQ	mg/kg	NP	Surr, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU14-S012-00-01 **Collected:** 6/13/2017 2:55:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.064		0.0019	LOD	0.0024	LOQ	mg/kg	NP	Surr, ProfJudg
BENZO(A)PYRENE	0.069		0.0019	LOD	0.0024	LOQ	mg/kg	NP	Surr, ProfJudg
BENZO(B)FLUORANTHENE	0.12		0.0019	LOD	0.0024	LOQ	mg/kg	NP	Surr, ProfJudg
BENZO(G,H,I)PERYLENE	0.021		0.0019	LOD	0.0024	LOQ	mg/kg	NP	Surr, ProfJudg
BENZO(K)FLUORANTHENE	0.061		0.0019	LOD	0.0024	LOQ	mg/kg	NP	Surr, ProfJudg
CHRYSENE	0.083		0.0019	LOD	0.0024	LOQ	mg/kg	NP	Surr, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0078		0.0019	LOD	0.0024	LOQ	mg/kg	NP	Surr, ProfJudg
FLUORANTHENE	0.17		0.0019	LOD	0.0024	LOQ	mg/kg	NP	Surr, ProfJudg
FLUORENE	0.013		0.0019	LOD	0.0024	LOQ	mg/kg	NP	Surr, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.024		0.0019	LOD	0.0024	LOQ	mg/kg	NP	Surr, ProfJudg
NAPHTHALENE	0.0086		0.0019	LOD	0.0024	LOQ	mg/kg	NP	Surr, ProfJudg
PHENANTHRENE	0.096		0.0019	LOD	0.0024	LOQ	mg/kg	NP	Surr, ProfJudg
PYRENE	0.18		0.0019	LOD	0.0024	LOQ	mg/kg	NP	Surr, ProfJudg

Sample ID: DU14-S012-00-01-X **Collected:** 6/13/2017 2:55:00 PM **Analysis Type:** Reanalysis-02-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0039		0.0019	LOD	0.0024	LOQ	mg/kg	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.0066		0.0019	LOD	0.0024	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHENE	0.011		0.0019	LOD	0.0024	LOQ	mg/kg	NP	Lcs, StoE, ProfJudg
ACENAPHTHYLENE	0.0029		0.0019	LOD	0.0024	LOQ	mg/kg	NP	StoE, ProfJudg
ANTHRACENE	0.025		0.0019	LOD	0.0024	LOQ	mg/kg	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.085		0.0019	LOD	0.0024	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.080		0.0019	LOD	0.0024	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.16		0.0019	LOD	0.0024	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(G,H,I)PERYLENE	0.018		0.0019	LOD	0.0024	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.069		0.0019	LOD	0.0024	LOQ	mg/kg	NP	StoE, ProfJudg
CHRYSENE	0.11		0.0019	LOD	0.0024	LOQ	mg/kg	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0075		0.0019	LOD	0.0024	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORANTHENE	0.22		0.0019	LOD	0.0024	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORENE	0.012		0.0019	LOD	0.0024	LOQ	mg/kg	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.024		0.0019	LOD	0.0024	LOQ	mg/kg	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU14-S012-00-01-X **Collected:** 6/13/2017 2:55:00 PM **Analysis Type:** Reanalysis-02-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NAPHTHALENE	0.013		0.0019	LOD	0.0024	LOQ	mg/kg	NP	StoE, ProfJudg
PHENANTHRENE	0.13		0.0019	LOD	0.0024	LOQ	mg/kg	NP	StoE, ProfJudg
PYRENE	0.23		0.0019	LOD	0.0024	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: DU14-S012-01-10 **Collected:** 6/13/2017 3:00:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	Fd, ProfJudg
ACENAPHTHENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	Fd, ProfJudg
ACENAPHTHYLENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.0013	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	Rl, ProfJudg
BENZ(A)ANTHRACENE	0.0066		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Fd, ProfJudg
BENZO(A)PYRENE	0.0070		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Fd, ProfJudg
BENZO(B)FLUORANTHENE	0.013		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Fd, ProfJudg
BENZO(G,H,I)PERYLENE	0.0021		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Mb, ProfJudg
BENZO(K)FLUORANTHENE	0.0058		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Fd, ProfJudg
CHRYSENE	0.0074		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Fd, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.00078	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
FLUORANTHENE	0.015		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Fd, ProfJudg
FLUORENE	0.0010	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.0023		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.00095	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	Eb, Fd, ProfJudg
PHENANTHRENE	0.0083		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Fd, ProfJudg
PYRENE	0.016		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Fd, ProfJudg

Sample ID: DU14-S012-01-10D **Collected:** 6/13/2017 3:00:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.0013	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
ACENAPHTHENE	0.00081	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU14-S012-01-10D **Collected:** 6/13/2017 3:00:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.00097	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	Rl, ProfJudg
BENZ(A)ANTHRACENE	0.0047		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Fd, ProfJudg
BENZO(A)PYRENE	0.0050		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Fd, ProfJudg
BENZO(B)FLUORANTHENE	0.0088		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Fd, ProfJudg
BENZO(G,H,I)PERYLENE	0.0016	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	Mb, ProfJudg
BENZO(K)FLUORANTHENE	0.0039		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Fd, ProfJudg
CHRYSENE	0.0049		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Fd, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	Fd, ProfJudg
FLUORANTHENE	0.0097		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Fd, ProfJudg
FLUORENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	Fd, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.0018	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	Rl, ProfJudg
NAPHTHALENE	0.0020		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Fd, ProfJudg
PHENANTHRENE	0.0045		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Fd, ProfJudg
PYRENE	0.010		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Fd, ProfJudg

Sample ID: DU14-S012-01-10D-X **Collected:** 6/13/2017 3:00:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHENE	0.0027		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Lcs, StoE, Fd, ProfJudg
ACENAPHTHYLENE	0.0024		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
ANTHRACENE	0.0097		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
BENZ(A)ANTHRACENE	0.032		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
BENZO(A)PYRENE	0.026		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
BENZO(B)FLUORANTHENE	0.040		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
BENZO(G,H,I)PERYLENE	0.0063		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
BENZO(K)FLUORANTHENE	0.016		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
CHRYSENE	0.028		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, Fd, ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU14-S012-01-10D-X **Collected:** 6/13/2017 3:00:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DIBENZO(A,H)ANTHRACENE	0.0026		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
FLUORANTHENE	0.065		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
FLUORENE	0.0030		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.0077		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
NAPHTHALENE	0.0013	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	Mb, StoE, Fd, ProfJudg
PHENANTHRENE	0.038		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
PYRENE	0.057		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, Fd, ProfJudg

Sample ID: DU14-S012-01-10-X **Collected:** 6/13/2017 3:00:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
ACENAPHTHYLENE	0.0018	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	RI, StoE, ProfJudg
ANTHRACENE	0.0012	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	RI, StoE, Fd, ProfJudg
BENZ(A)ANTHRACENE	0.0032		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
BENZO(A)PYRENE	0.0036		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
BENZO(B)FLUORANTHENE	0.0063		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
BENZO(G,H,I)PERYLENE	0.00091	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	RI, StoE, Fd, ProfJudg
BENZO(K)FLUORANTHENE	0.0023		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
CHRYSENE	0.0036		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
FLUORANTHENE	0.0069		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
FLUORENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.0011	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	RI, StoE, Fd, ProfJudg
NAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, Fd, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU14-S012-01-10-X **Collected:** 6/13/2017 3:00:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
PHENANTHRENE	0.0041		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, Fd, ProfJudg
PYRENE	0.0063		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, Fd, ProfJudg

Sample ID: DU14-S014-00-01 **Collected:** 6/13/2017 1:45:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU14-S014-01-10 **Collected:** 6/13/2017 1:50:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.0012	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
BENZO(G,H,I)PERYLENE	0.0018	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU14-S014-01-10 **Collected:** 6/13/2017 1:50:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.0014	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.0057		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.0069		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.011		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.0019		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.0064		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.0074		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.012		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.00078	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	RI, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.0023		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.0078		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.017		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU14-S015-01-10 **Collected:** 6/13/2017 2:15:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0014	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
2-METHYLNAPHTHALENE	0.0017	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
ACENAPHTHYLENE	0.0013	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI

Sample ID: DU14-S016-01-10 **Collected:** 6/13/2017 2:40:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.00099	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
ACENAPHTHYLENE	0.00040	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
DIBENZO(A,H)ANTHRACENE	0.0012	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU14-S016-01-10 **Collected:** 6/13/2017 2:40:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORENE	0.0011	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI

Sample ID: DU14-S016-01-10 **Collected:** 6/13/2017 2:40:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.0010	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHYLENE	0.00038	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.0019		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.010		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.013		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.021		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.0038		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.012		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.013		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0016	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.023		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.0012	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	RI, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.0044		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.0055		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.012		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.031		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Reason Code Legend

Reason Code	*Description*
Eb	Equipment Blank Contamination
Fd	Field Duplicate Precision
Lcs	Laboratory Control Spike Upper Estimation
Mb	Method Blank Contamination
ProfJudg	Professional Judgment
Rl	Reporting Limit Trace Value
StoE	Sampling to Extraction Rejection
Surr	Surrogate/Tracer Recovery Lower Estimation

* denotes a non-reportable result

QC Outlier Report: HoldingTimes

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D SIM **Preparation Method: SW3546**

Matrix: SOIL

Sample ID	Type	Actual	Criteria	Units	Flag
DU12-S013-01-10D-X (Reanalysis-0	Sampling To Extraction	29.00	14.00	DAYS	J- (all detects)
DU12-S013-01-10-X (Reanalysis-01)		29.00	14.00	DAYS	R (all non-detects)
DU14-S012-00-01-X (Reanalysis-02)		29.00	14.00	DAYS	
DU14-S012-01-10D-X (Reanalysis-0		29.00	14.00	DAYS	
DU14-S012-01-10-X (Reanalysis-01)		29.00	14.00	DAYS	

Surrogate Outlier Report

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**
Matrix: **SOIL**

Sample ID (Analysis Type)	*Surrogate*	*Sample % Recovery*	*% Recovery Limits*	*Affected Compounds*	*Flag*
DU14-S012-00-01 (Initial)	1-Methylnaphthalene-d10 Fluoranthene-d10	40 55	52.00-110.00 56.00-142.00	All Base/Neutral Target Analytes	J- (all detects) UJ (all non-detects)
DU14-S012-00-01 (Reanalysis-01)	1-Methylnaphthalene-d10 Fluoranthene-d10	40 55	52.00-110.00 56.00-142.00	All Base/Neutral Target Analytes	J-(all detects) UJ(all non-detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D SIM
Matrix: SOIL

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU14-S010-01-10	DU14-S010-01-10D			
1-METHYLNAPHTHALENE	0.0093	0.0019 U	200	30.00	J (all detects) UJ (all non-detects)
2-METHYLNAPHTHALENE	0.017	0.0019 U	200	30.00	
ACENAPHTHENE	0.0016	0.0019 U	200	30.00	
ACENAPHTHYLENE	0.0029	0.0019 U	200	30.00	
ANTHRACENE	0.0038	0.0014	92	30.00	
BENZ(A)ANTHRACENE	0.0065	0.0033	65	30.00	
BENZO(A)PYRENE	0.0059	0.0031	62	30.00	
BENZO(B)FLUORANTHENE	0.0092	0.0051	57	30.00	
BENZO(G,H,I)PERYLENE	0.0018	0.0010	57	30.00	
BENZO(K)FLUORANTHENE	0.0035	0.0019	59	30.00	
CHRYSENE	0.0063	0.0031	68	30.00	
FLUORANTHENE	0.014	0.0071	65	30.00	
FLUORENE	0.0034	0.0019 U	200	30.00	
INDENO(1,2,3-CD)PYRENE	0.0019	0.0011	53	30.00	
NAPHTHALENE	0.041	0.0019 U	200	30.00	
PHENANTHRENE	0.013	0.0048	92	30.00	
PYRENE	0.012	0.0059	68	30.00	

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU12-S013-01-10-X	DU12-S013-01-10D-X			
ANTHRACENE	0.00069	0.00090	26	30.00	No Qualifiers Applied
1-METHYLNAPHTHALENE	0.0019 U	0.0024	200	30.00	J(all detects) UJ(all non-detects)
2-METHYLNAPHTHALENE	0.0019 U	0.0038	200	30.00	
ACENAPHTHENE	0.0019 U	0.00083	200	30.00	
ACENAPHTHYLENE	0.0019 U	0.00044	200	30.00	
BENZ(A)ANTHRACENE	0.0022	0.0034	43	30.00	
BENZO(A)PYRENE	0.0021	0.0036	53	30.00	
BENZO(B)FLUORANTHENE	0.0033	0.0058	55	30.00	
BENZO(G,H,I)PERYLENE	0.0019 U	0.00098	200	30.00	
BENZO(K)FLUORANTHENE	0.0015	0.0025	50	30.00	
CHRYSENE	0.0021	0.0037	55	30.00	
FLUORANTHENE	0.0044	0.0078	56	30.00	
FLUORENE	0.0019 U	0.00087	200	30.00	
INDENO(1,2,3-CD)PYRENE	0.0019 U	0.0012	200	30.00	
NAPHTHALENE	0.0019 U	0.0072	200	30.00	
PHENANTHRENE	0.0026	0.0053	68	30.00	
PYRENE	0.0038	0.0070	59	30.00	

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU14-S012-01-10-X	DU14-S012-01-10D-X			
ACENAPHTHYLENE	0.0018	0.0024	29	30.00	No Qualifiers Applied

Field Duplicate RPD Report

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D SIM
Matrix: SOIL

ACENAPHTHENE	0.0019 U	0.0027	200	30.00	
ANTHRACENE	0.0012	0.0097	156	30.00	
BENZ(A)ANTHRACENE	0.0032	0.032	164	30.00	
BENZO(A)PYRENE	0.0036	0.026	151	30.00	
BENZO(B)FLUORANTHENE	0.0063	0.040	146	30.00	
BENZO(G,H,I)PERYLENE	0.00091	0.0063	150	30.00	
BENZO(K)FLUORANTHENE	0.0023	0.016	150	30.00	
CHRYSENE	0.0036	0.028	154	30.00	J(all detects) UJ(all non-detects)
DIBENZO(A,H)ANTHRACENE	0.0019 U	0.0026	200	30.00	
FLUORANTHENE	0.0069	0.065	162	30.00	
FLUORENE	0.0019 U	0.0030	200	30.00	
INDENO(1,2,3-CD)PYRENE	0.0011	0.0077	150	30.00	
NAPHTHALENE	0.0019 U	0.0013	200	30.00	
PHENANTHRENE	0.0041	0.038	161	30.00	
PYRENE	0.0063	0.057	160	30.00	

Analyte	Concentration (mg/kg) DU12-S013-01-10	DU12-S013-01-10D	Sample RPD	eQAPP RPD	Flag
BENZ(A)ANTHRACENE	0.0022	0.0029	27	30.00	
BENZO(A)PYRENE	0.0023	0.0030	26	30.00	
BENZO(B)FLUORANTHENE	0.0031	0.0041	28	30.00	
BENZO(G,H,I)PERYLENE	0.0015	0.0020	29	30.00	
BENZO(K)FLUORANTHENE	0.0015	0.0019	24	30.00	No Qualifiers Applied
CHRYSENE	0.0026	0.0032	21	30.00	
FLUORANTHENE	0.0050	0.0060	18	30.00	
INDENO(1,2,3-CD)PYRENE	0.0014	0.0018	25	30.00	
PYRENE	0.0049	0.0055	12	30.00	
1-METHYLNAPHTHALENE	0.0033	0.0020 U	200	30.00	
2-METHYLNAPHTHALENE	0.0074	0.0020 U	200	30.00	
ACENAPHTHENE	0.0070	0.0020 U	200	30.00	
ANTHRACENE	0.0015	0.0010	40	30.00	J(all detects) UJ(all non-detects)
FLUORENE	0.0022	0.0020 U	200	30.00	
NAPHTHALENE	0.039	0.0020 U	200	30.00	
PHENANTHRENE	0.0056	0.0039	36	30.00	

Analyte	Concentration (mg/kg) DU14-S008-01-10	DU14-S008-01-10D	Sample RPD	eQAPP RPD	Flag
BENZ(A)ANTHRACENE	0.0051	0.0043	17	30.00	
BENZO(A)PYRENE	0.0054	0.0047	14	30.00	
BENZO(B)FLUORANTHENE	0.0090	0.0076	17	30.00	
BENZO(G,H,I)PERYLENE	0.0015	0.0012	22	30.00	No Qualifiers Applied
BENZO(K)FLUORANTHENE	0.0042	0.0039	7	30.00	
INDENO(1,2,3-CD)PYRENE	0.0017	0.0014	19	30.00	
ACENAPHTHENE	0.0012	0.0019 U	200	30.00	
ANTHRACENE	0.0031	0.0012	88	30.00	
CHRYSENE	0.0060	0.0045	29	30.00	
FLUORANTHENE	0.014	0.0094	39	30.00	J(all detects)
FLUORENE	0.0011	0.0019 U	200	30.00	UJ(all non-detects)
NAPHTHALENE	0.00083	0.0019 U	200	30.00	
PHENANTHRENE	0.011	0.0050	75	30.00	
PYRENE	0.016	0.010	46	30.00	

Analyte	Concentration (mg/kg) DU14-S012-01-10	DU14-S012-01-10D	Sample RPD	eQAPP RPD	Flag

Field Duplicate RPD Report

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D SIM
Matrix: SOIL

ANTHRACENE	0.0013	0.00097	29	30.00	No Qualifiers Applied
BENZO(G,H,I)PERYLENE	0.0021	0.0016	27	30.00	
INDENO(1,2,3-CD)PYRENE	0.0023	0.0018	24	30.00	
2-METHYLNAPHTHALENE	0.0019 U	0.0013	200	30.00	J(all detects) UJ(all non-detects)
ACENAPHTHENE	0.0019 U	0.00081	200	30.00	
BENZ(A)ANTHRACENE	0.0066	0.0047	34	30.00	
BENZO(A)PYRENE	0.0070	0.0050	33	30.00	
BENZO(B)FLUORANTHENE	0.013	0.0088	39	30.00	
BENZO(K)FLUORANTHENE	0.0058	0.0039	39	30.00	
CHRYSENE	0.0074	0.0049	41	30.00	
DIBENZO(A,H)ANTHRACENE	0.00078	0.0019 U	200	30.00	
FLUORANTHENE	0.015	0.0097	43	30.00	
FLUORENE	0.0010	0.0019 U	200	30.00	
NAPHTHALENE	0.00095	0.0020	71	30.00	
PHENANTHRENE	0.0083	0.0045	59	30.00	
PYRENE	0.016	0.010	46	30.00	

Method: 8270D
Matrix: SOIL

Analyte	Concentration (mg/kg) DU14-S010-01-10	Concentration (mg/kg) DU14-S010-01-10D	Sample RPD	eQAPP RPD	Flag
1-METHYLNAPHTHALENE	0.013	0.020 U	200	30.00	J(all detects) UJ(all non-detects)
2-METHYLNAPHTHALENE	0.020	0.020 U	200	30.00	
ACENAPHTHYLENE	0.007	0.020 U	200	30.00	
ANTHRACENE	0.007	0.020 U	200	30.00	
BENZ(A)ANTHRACENE	0.009	0.005	57	30.00	
Benzo (g,h,i) perylene	0.006	0.020 U	200	30.00	
BENZO(A)PYRENE	0.009	0.005	57	30.00	
BENZO(B)FLUORANTHENE	0.012	0.006	67	30.00	
BENZO(K)FLUORANTHENE	0.005	0.020 U	200	30.00	
CHRYSENE	0.008	0.004	67	30.00	
FLUORANTHENE	0.018	0.009	67	30.00	
FLUORENE	0.006	0.020 U	200	30.00	
INDENO(1,2,3-CD)PYRENE	0.005	0.020 U	200	30.00	
NAPHTHALENE	0.056	0.020 U	200	30.00	
PHENANTHRENE	0.018	0.007	88	30.00	
PYRENE	0.018	0.009	67	30.00	

Analyte	Concentration (mg/kg) DU12-S013-01-10	Concentration (mg/kg) DU12-S013-01-10D	Sample RPD	eQAPP RPD	Flag
BENZ(A)ANTHRACENE	0.009	0.008	12	30.00	No Qualifiers Applied
BENZO(A)PYRENE	0.008	0.009	12	30.00	
BENZO(B)FLUORANTHENE	0.011	0.01	10	30.00	
BENZO(K)FLUORANTHENE	0.006	0.007	15	30.00	
CHRYSENE	0.011	0.009	20	30.00	
FLUORANTHENE	0.012	0.012	0	30.00	
INDENO(1,2,3-CD)PYRENE	0.004	0.004	0	30.00	
PYRENE	0.012	0.012	0	30.00	
2-METHYLNAPHTHALENE	0.008	0.020 U	200	30.00	J(all detects) UJ(all non-detects)
ACENAPHTHENE	0.008	0.020 U	200	30.00	
Benzo (g,h,i) perylene	0.019 U	0.005	200	30.00	
NAPHTHALENE	0.039	0.020 U	200	30.00	
PHENANTHRENE	0.007	0.020 U	200	30.00	

Field Duplicate RPD Report

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D
Matrix: SOIL

Analyte	Concentration (mg/kg) DU14-S008-01-10	Concentration (mg/kg) DU14-S008-01-10D	Sample RPD	eQAPP RPD	Flag
BENZ(A)ANTHRACENE	0.006	0.005	18	30.00	No Qualifiers Applied
ANTHRACENE	0.005	0.019 U	200	30.00	J(all detects) UJ(all non-detects)
Benzo (g,h,i) perylene	0.007	0.004	55	30.00	
BENZO(A)PYRENE	0.009	0.006	40	30.00	
BENZO(B)FLUORANTHENE	0.010	0.007	35	30.00	
BENZO(K)FLUORANTHENE	0.006	0.004	40	30.00	
CHRYSENE	0.008	0.005	46	30.00	
FLUORANTHENE	0.017	0.011	43	30.00	
INDENO(1,2,3-CD)PYRENE	0.006	0.004	40	30.00	
PHENANTHRENE	0.013	0.007	60	30.00	
PYRENE	0.016	0.010	46	30.00	

Analyte	Concentration (mg/kg) DU14-S012-01-10	Concentration (mg/kg) DU14-S012-01-10D	Sample RPD	eQAPP RPD	Flag
ACENAPHTHYLENE	0.007	0.006	15	30.00	No Qualifiers Applied
BENZ(A)ANTHRACENE	0.013	0.010	26	30.00	
Benzo (g,h,i) perylene	0.008	0.006	29	30.00	
BENZO(A)PYRENE	0.013	0.011	17	30.00	
BENZO(K)FLUORANTHENE	0.009	0.009	0	30.00	
ANTHRACENE	0.004	0.020 U	200	30.00	J(all detects) UJ(all non-detects)
BENZO(B)FLUORANTHENE	0.018	0.013	32	30.00	
CHRYSENE	0.014	0.009	43	30.00	
DIBENZO(A,H)ANTHRACENE	0.005	0.020 U	200	30.00	
FLUORANTHENE	0.026	0.019	31	30.00	
INDENO(1,2,3-CD)PYRENE	0.009	0.006	40	30.00	
PHENANTHRENE	0.014	0.009	43	30.00	
PYRENE	0.024	0.017	34	30.00	

Analyte	Concentration (mg/kg) DU12-S004-01-10	Concentration (mg/kg) DU12-S004-01-10D	Sample RPD	eQAPP RPD	Flag
ACENAPHTHENE	0.19	0.14	30	30.00	No Qualifiers Applied
ACENAPHTHYLENE	0.038	0.028	30	30.00	
BENZ(A)ANTHRACENE	1.1	1.0	10	30.00	
Benzo (g,h,i) perylene	0.49	0.46	6	30.00	
BENZO(A)PYRENE	0.88	0.80	10	30.00	
BENZO(B)FLUORANTHENE	1.3	1.2	8	30.00	
BENZO(K)FLUORANTHENE	0.61	0.50	20	30.00	
CHRYSENE	0.98	0.86	13	30.00	
DIBENZO(A,H)ANTHRACENE	0.15	0.15	0	30.00	
FLUORANTHENE	2.6	2.4	8	30.00	
INDENO(1,2,3-CD)PYRENE	0.50	0.47	6	30.00	
PHENANTHRENE	1.9	1.5	24	30.00	
PYRENE	2.0	1.8	11	30.00	
1-METHYLNAPHTHALENE	0.020	0.013	42	30.00	J(all detects) UJ(all non-detects)
2-METHYLNAPHTHALENE	0.020	0.014	35	30.00	
ANTHRACENE	0.63	0.46	31	30.00	
CARBAZOLE	0.14	0.094	39	30.00	
DIBENZOFURAN	0.13	0.089	37	30.00	
FLUORENE	0.25	0.17	38	30.00	
NAPHTHALENE	0.021	0.034	47	30.00	

Field Duplicate RPD Report

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D
Matrix: SOIL

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU12-S001-01-10	DU12-S001-01-10D			
1,1-BIPHENYL	0.032	0.035	9	30.00	
1-METHYLNAPHTHALENE	0.075	0.083	10	30.00	
2-METHYLNAPHTHALENE	0.099	0.12	19	30.00	
ACENAPHTHENE	0.26	0.20	26	30.00	
ANTHRACENE	0.71	0.54	27	30.00	
BENZ(A)ANTHRACENE	0.92	0.71	26	30.00	
Benzo (g,h,i) perylene	0.41	0.31	28	30.00	
BENZO(A)PYRENE	0.75	0.58	26	30.00	
BENZO(B)FLUORANTHENE	0.91	0.74	21	30.00	No Qualifiers Applied
CARBAZOLE	0.13	0.11	17	30.00	
CHRYSENE	0.83	0.63	27	30.00	
DIBENZOFURAN	0.23	0.19	19	30.00	
FLUORENE	0.40	0.31	25	30.00	
INDENO(1,2,3-CD)PYRENE	0.40	0.32	22	30.00	
NAPHTHALENE	0.075	0.067	11	30.00	
PHENANTHRENE	1.9	1.5	24	30.00	
PYRENE	1.7	1.3	27	30.00	
ACENAPHTHYLENE	0.14	0.079	56	30.00	
BENZO(K)FLUORANTHENE	0.53	0.38	33	30.00	
CAPROLACTAM	0.20	0.19 U	200	30.00	J(all detects) UJ(all non-detects)
DIBENZO(A,H)ANTHRACENE	0.14	0.10	33	30.00	
FLUORANTHENE	2.2	1.6	32	30.00	

Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**
Matrix: **SOIL**

QC Sample ID (Associated Samples)	*Compound*	*LCS %R*	*LCSD %R*	*%R Limits*	*RPD (Limits)*	*Affected Compounds*	*Flag*
P2LPLCSQ192SLP026 (DU12-S013-01-10D-X DU12-S013-01-10-X DU14-S012-00-01-X DU14-S012-01-10D-X DU14-S012-01-10-X)	ACENAPHTHENE	112	-	44.00-111.00	-	ACENAPHTHENE	J+ (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU12-S001-00-01	1,1-BIPHENYL	J	4.0	6.9	LOQ	mg/kg	J (all detects)
DU12-S001-01-10	1,1-BIPHENYL	J	0.032	0.040	LOQ	mg/kg	J (all detects)
DU12-S001-01-10D	1,1-BIPHENYL	J	0.035	0.038	LOQ	mg/kg	J (all detects)
DU12-S003-00-01	1,1-BIPHENYL	J	0.62	0.90	LOQ	mg/kg	J (all detects)
DU12-S004-01-10D	1-METHYLNAPHTHALENE 2-METHYLNAPHTHALENE	J J	0.013 0.014	0.019 0.019	LOQ LOQ	mg/kg mg/kg	J (all detects)
DU12-S005-00-01	3/4-Methylphenol [m/p-Cresol]	J	0.094	0.17	LOQ	mg/kg	J (all detects)
DU12-S005-01-10	ACENAPHTHYLENE	J	0.41	0.48	LOQ	mg/kg	J (all detects)
DU12-S009-00-01	1-METHYLNAPHTHALENE 2-METHYLNAPHTHALENE DIBENZOFURAN NAPHTHALENE	J J J J	0.046 0.049 0.15 0.078	0.092 0.092 0.18 0.092	LOQ LOQ LOQ LOQ	mg/kg mg/kg mg/kg mg/kg	J (all detects)
DU12-S009-01-10	ACENAPHTHENE DIBENZO(A,H)ANTHRACENE FLUORENE	J J J	0.006 0.016 0.007	0.019 0.019 0.019	LOQ LOQ LOQ	mg/kg mg/kg mg/kg	J (all detects)
DU12-S013-00-01	1-METHYLNAPHTHALENE ACENAPHTHYLENE CARBAZOLE	J J J	0.015 0.014 0.030	0.020 0.020 0.039	LOQ LOQ LOQ	mg/kg mg/kg mg/kg	J (all detects)
DU12-S013-01-10	2-METHYLNAPHTHALENE ACENAPHTHENE BENZ(A)ANTHRACENE BENZO(A)PYRENE BENZO(B)FLUORANTHENE BENZO(K)FLUORANTHENE CHRYSENE FLUORANTHENE INDENO(1,2,3-CD)PYRENE PHENANTHRENE PYRENE	J J J J J J J J J J J	0.008 0.008 0.009 0.008 0.011 0.006 0.011 0.012 0.004 0.007 0.012	0.019 0.019 0.019 0.019 0.019 0.019 0.019 0.019 0.019 0.019 0.019	LOQ LOQ LOQ LOQ LOQ LOQ LOQ LOQ LOQ LOQ LOQ	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	J (all detects)
DU12-S013-01-10D	BENZ(A)ANTHRACENE Benzo (g,h,i) perylene BENZO(A)PYRENE BENZO(B)FLUORANTHENE BENZO(K)FLUORANTHENE CHRYSENE FLUORANTHENE INDENO(1,2,3-CD)PYRENE PYRENE	J J J J J J J J J	0.008 0.005 0.009 0.01 0.007 0.009 0.012 0.004 0.012	0.020 0.020 0.020 0.020 0.020 0.020 0.020 0.020 0.020	LOQ LOQ LOQ LOQ LOQ LOQ LOQ LOQ LOQ	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	J (all detects)
DU12-S014-00-01	1-METHYLNAPHTHALENE ACENAPHTHENE ACENAPHTHYLENE ANTHRACENE DIBENZO(A,H)ANTHRACENE FLUORENE	J J J J J J	0.018 0.006 0.006 0.012 0.012 0.006	0.024 0.024 0.024 0.024 0.024 0.024	LOQ LOQ LOQ LOQ LOQ LOQ	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	J (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU12-S014-01-10	2-METHYLNAPHTHALENE	J	0.004	0.019	LOQ	mg/kg	
	BENZ(A)ANTHRACENE	J	0.005	0.019	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.005	0.019	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.007	0.019	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.008	0.019	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.005	0.019	LOQ	mg/kg	J (all detects)
	CHRYSENE	J	0.006	0.019	LOQ	mg/kg	
	FLUORANTHENE	J	0.007	0.019	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.005	0.019	LOQ	mg/kg	
	NAPHTHALENE	J	0.005	0.019	LOQ	mg/kg	
	PYRENE	J	0.008	0.019	LOQ	mg/kg	
DU14-S007-00-01	BENZ(A)ANTHRACENE	J	0.004	0.021	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.004	0.021	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.006	0.021	LOQ	mg/kg	
	BENZOIC ACID	J	0.21	0.61	LOQ	mg/kg	J (all detects)
	CHRYSENE	J	0.004	0.021	LOQ	mg/kg	
	FLUORANTHENE	J	0.007	0.021	LOQ	mg/kg	
	PHENANTHRENE	J	0.004	0.021	LOQ	mg/kg	
	PYRENE	J	0.007	0.021	LOQ	mg/kg	
DU14-S007-01-10	ANTHRACENE	J	0.01	0.020	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.017	0.020	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.006	0.020	LOQ	mg/kg	J (all detects)
	FLUORENE	J	0.006	0.020	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.016	0.020	LOQ	mg/kg	
DU14-S008-00-01	1-METHYLNAPHTHALENE	J	0.007	0.028	LOQ	mg/kg	
	2-METHYLNAPHTHALENE	J	0.006	0.028	LOQ	mg/kg	
	ACENAPHTHENE	J	0.013	0.028	LOQ	mg/kg	
	BENZALDEHYDE	J	0.16	0.27	LOQ	mg/kg	
	BENZOIC ACID	J	0.72	0.82	LOQ	mg/kg	J (all detects)
	CARBAZOLE	J	0.036	0.054	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.026	0.028	LOQ	mg/kg	
	FLUORENE	J	0.025	0.028	LOQ	mg/kg	
	NAPHTHALENE	J	0.012	0.028	LOQ	mg/kg	
DU14-S008-01-10	ANTHRACENE	J	0.005	0.019	LOQ	mg/kg	
	BENZ(A)ANTHRACENE	J	0.006	0.019	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.007	0.019	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.009	0.019	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.010	0.019	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.006	0.019	LOQ	mg/kg	J (all detects)
	CHRYSENE	J	0.008	0.019	LOQ	mg/kg	
	FLUORANTHENE	J	0.017	0.019	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.006	0.019	LOQ	mg/kg	
	PHENANTHRENE	J	0.013	0.019	LOQ	mg/kg	
	PYRENE	J	0.016	0.019	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU14-S008-01-10D	BENZ(A)ANTHRACENE	J	0.005	0.019	LOQ	mg/kg	J (all detects)
	Benzo (g,h,i) perylene	J	0.004	0.019	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.006	0.019	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.007	0.019	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.004	0.019	LOQ	mg/kg	
	CHRYSENE	J	0.005	0.019	LOQ	mg/kg	
	FLUORANTHENE	J	0.011	0.019	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.004	0.019	LOQ	mg/kg	
	PHENANTHRENE	J	0.007	0.019	LOQ	mg/kg	
	PYRENE	J	0.010	0.019	LOQ	mg/kg	
DU14-S010-00-01	2-METHYLNAPHTHALENE	J	0.004	0.020	LOQ	mg/kg	J (all detects)
	ACENAPHTHENE	J	0.008	0.020	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.007	0.020	LOQ	mg/kg	
	ANTHRACENE	J	0.017	0.020	LOQ	mg/kg	
	BENZOIC ACID	J	0.27	0.58	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.015	0.020	LOQ	mg/kg	
	FLUORENE	J	0.01	0.020	LOQ	mg/kg	
	NAPHTHALENE	J	0.005	0.020	LOQ	mg/kg	
DU14-S010-01-10	1-METHYLNAPHTHALENE	J	0.013	0.019	LOQ	mg/kg	J (all detects)
	ACENAPHTHYLENE	J	0.007	0.019	LOQ	mg/kg	
	ANTHRACENE	J	0.007	0.019	LOQ	mg/kg	
	BENZ(A)ANTHRACENE	J	0.009	0.019	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.006	0.019	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.009	0.019	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.012	0.019	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.005	0.019	LOQ	mg/kg	
	CHRYSENE	J	0.008	0.019	LOQ	mg/kg	
	FLUORANTHENE	J	0.018	0.019	LOQ	mg/kg	
	FLUORENE	J	0.006	0.019	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.005	0.019	LOQ	mg/kg	
	PHENANTHRENE	J	0.018	0.019	LOQ	mg/kg	
	PYRENE	J	0.018	0.019	LOQ	mg/kg	
DU14-S010-01-10D	BENZ(A)ANTHRACENE	J	0.005	0.020	LOQ	mg/kg	J (all detects)
	BENZO(A)PYRENE	J	0.005	0.020	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.006	0.020	LOQ	mg/kg	
	CHRYSENE	J	0.004	0.020	LOQ	mg/kg	
	FLUORANTHENE	J	0.009	0.020	LOQ	mg/kg	
	PHENANTHRENE	J	0.007	0.020	LOQ	mg/kg	
	PYRENE	J	0.009	0.020	LOQ	mg/kg	
DU14-S012-00-01	2-METHYLNAPHTHALENE	J	0.006	0.025	LOQ	mg/kg	J (all detects)
	ACENAPHTHENE	J	0.010	0.025	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.020	0.025	LOQ	mg/kg	
	BENZALDEHYDE	J	0.10	0.24	LOQ	mg/kg	
	BENZOIC ACID	J	0.61	0.73	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.017	0.025	LOQ	mg/kg	
	FLUORENE	J	0.015	0.025	LOQ	mg/kg	
	NAPHTHALENE	J	0.012	0.025	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU14-S012-01-10	ACENAPHTHYLENE	J	0.007	0.019	LOQ	mg/kg	
	ANTHRACENE	J	0.004	0.019	LOQ	mg/kg	
	BENZ(A)ANTHRACENE	J	0.013	0.019	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.008	0.019	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.013	0.019	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.018	0.019	LOQ	mg/kg	J (all detects)
	BENZO(K)FLUORANTHENE	J	0.009	0.019	LOQ	mg/kg	
	CHRYSENE	J	0.014	0.019	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.005	0.019	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.009	0.019	LOQ	mg/kg	
	PHENANTHRENE	J	0.014	0.019	LOQ	mg/kg	
DU14-S012-01-10D	ACENAPHTHYLENE	J	0.006	0.020	LOQ	mg/kg	
	BENZ(A)ANTHRACENE	J	0.010	0.020	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.006	0.020	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.011	0.020	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.013	0.020	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.009	0.020	LOQ	mg/kg	J (all detects)
	CHRYSENE	J	0.009	0.020	LOQ	mg/kg	
	FLUORANTHENE	J	0.019	0.020	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.006	0.020	LOQ	mg/kg	
	PHENANTHRENE	J	0.009	0.020	LOQ	mg/kg	
	PYRENE	J	0.017	0.020	LOQ	mg/kg	
DU14-S014-01-10	BENZ(A)ANTHRACENE	J	0.007	0.019	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.007	0.019	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.008	0.019	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.011	0.019	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.007	0.019	LOQ	mg/kg	
	CHRYSENE	J	0.009	0.019	LOQ	mg/kg	J (all detects)
	FLUORANTHENE	J	0.016	0.019	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.008	0.019	LOQ	mg/kg	
	PHENANTHRENE	J	0.010	0.019	LOQ	mg/kg	
	PYRENE	J	0.015	0.019	LOQ	mg/kg	
DU14-S015-00-01	BENZALDEHYDE	J	0.085	0.21	LOQ	mg/kg	
	BENZOIC ACID	J	0.50	0.63	LOQ	mg/kg	J (all detects)
	DIBENZOFURAN	J	0.039	0.042	LOQ	mg/kg	
DU14-S015-01-10	ACENAPHTHENE	J	0.008	0.020	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.008	0.020	LOQ	mg/kg	
	ANTHRACENE	J	0.018	0.020	LOQ	mg/kg	J (all detects)
	DIBENZO(A,H)ANTHRACENE	J	0.017	0.020	LOQ	mg/kg	
	FLUORENE	J	0.009	0.020	LOQ	mg/kg	
DU14-S016-00-01	1-METHYLNAPHTHALENE	J	0.014	0.025	LOQ	mg/kg	
	2-METHYLNAPHTHALENE	J	0.013	0.025	LOQ	mg/kg	J (all detects)
	BENZOIC ACID	J	0.34	0.72	LOQ	mg/kg	
	DIBENZOFURAN	J	0.033	0.048	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU14-S016-01-10	ACENAPHTHYLENE	J	0.005	0.019	LOQ	mg/kg	J (all detects)
	BENZ(A)ANTHRACENE	J	0.011	0.019	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.009	0.019	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.014	0.019	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.009	0.019	LOQ	mg/kg	
	CHRYSENE	J	0.014	0.019	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.009	0.019	LOQ	mg/kg	
	NAPHTHALENE	J	0.006	0.019	LOQ	mg/kg	
	PHENANTHRENE	J	0.014	0.019	LOQ	mg/kg	

Method: 8270D SIM

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU12-S009-01-10	1-METHYLNAPHTHALENE	J	0.00093	0.0018	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.0014	0.0018	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.00078	0.0018	LOQ	mg/kg	
DU12-S013-01-10	ANTHRACENE	J	0.0015	0.0019	LOQ	mg/kg	J (all detects)
	BENZO(G,H,I)PERYLENE	J	0.0015	0.0019	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.0015	0.0019	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.0014	0.0019	LOQ	mg/kg	
DU12-S013-01-10D	ANTHRACENE	J	0.0010	0.0020	LOQ	mg/kg	J (all detects)
	BENZO(K)FLUORANTHENE	J	0.0019	0.0020	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.0018	0.0020	LOQ	mg/kg	
DU12-S013-01-10D-X	ACENAPHTHENE	J	0.00083	0.0020	LOQ	mg/kg	J (all detects)
	ACENAPHTHYLENE	J	0.00044	0.0020	LOQ	mg/kg	
	ANTHRACENE	J	0.00090	0.0020	LOQ	mg/kg	
	BENZO(G,H,I)PERYLENE	J	0.00098	0.0020	LOQ	mg/kg	
	FLUORENE	J	0.00087	0.0020	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.0012	0.0020	LOQ	mg/kg	
DU12-S013-01-10-X	ANTHRACENE	J	0.00069	0.0019	LOQ	mg/kg	J (all detects)
	BENZO(K)FLUORANTHENE	J	0.0015	0.0019	LOQ	mg/kg	
DU12-S014-00-01	ACENAPHTHYLENE	J	0.0020	0.0024	LOQ	mg/kg	J (all detects)
DU12-S014-01-10	ANTHRACENE	J	0.00090	0.0018	LOQ	mg/kg	J (all detects)
	DIBENZO(A,H)ANTHRACENE	J	0.00077	0.0018	LOQ	mg/kg	
DU14-S007-00-01	ANTHRACENE	J	0.00051	0.0020	LOQ	mg/kg	J (all detects)
	BENZ(A)ANTHRACENE	J	0.0019	0.0020	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.00093	0.0020	LOQ	mg/kg	
DU14-S007-01-10	2-METHYLNAPHTHALENE	J	0.00086	0.0020	LOQ	mg/kg	J (all detects)
	NAPHTHALENE	J	0.0013	0.0020	LOQ	mg/kg	
DU14-S008-01-10	ACENAPHTHENE	J	0.0012	0.0018	LOQ	mg/kg	J (all detects)
	BENZO(G,H,I)PERYLENE	J	0.0015	0.0018	LOQ	mg/kg	
	FLUORENE	J	0.0011	0.0018	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.0017	0.0018	LOQ	mg/kg	
	NAPHTHALENE	J	0.00083	0.0018	LOQ	mg/kg	
DU14-S008-01-10D	ANTHRACENE	J	0.0012	0.0019	LOQ	mg/kg	J (all detects)
	BENZO(G,H,I)PERYLENE	J	0.0012	0.0019	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.0014	0.0019	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**

Matrix: **SOIL**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
DU14-S010-00-01	ACENAPHTHYLENE	J	0.0013	0.0019	LOQ	mg/kg	J (all detects)
DU14-S010-01-10	ACENAPHTHENE BENZO(G,H,I)PERYLENE	J J	0.0016 0.0018	0.0019 0.0019	LOQ LOQ	mg/kg mg/kg	J (all detects)
DU14-S010-01-10D	ANTHRACENE BENZO(G,H,I)PERYLENE INDENO(1,2,3-CD)PYRENE	J J J	0.0014 0.0010 0.0011	0.0019 0.0019 0.0019	LOQ LOQ LOQ	mg/kg mg/kg mg/kg	J (all detects)
DU14-S012-01-10	ANTHRACENE DIBENZO(A,H)ANTHRACENE FLUORENE NAPHTHALENE	J J J J	0.0013 0.00078 0.0010 0.00095	0.0019 0.0019 0.0019 0.0019	LOQ LOQ LOQ LOQ	mg/kg mg/kg mg/kg mg/kg	J (all detects)
DU14-S012-01-10D	2-METHYLNAPHTHALENE ACENAPHTHENE ANTHRACENE BENZO(G,H,I)PERYLENE INDENO(1,2,3-CD)PYRENE	J J J J J	0.0013 0.00081 0.00097 0.0016 0.0018	0.0019 0.0019 0.0019 0.0019 0.0019	LOQ LOQ LOQ LOQ LOQ	mg/kg mg/kg mg/kg mg/kg mg/kg	J (all detects)
DU14-S012-01-10D-X	NAPHTHALENE	J	0.0013	0.0019	LOQ	mg/kg	J (all detects)
DU14-S012-01-10-X	ACENAPHTHYLENE ANTHRACENE BENZO(G,H,I)PERYLENE INDENO(1,2,3-CD)PYRENE	J J J J	0.0018 0.0012 0.00091 0.0011	0.0019 0.0019 0.0019 0.0019	LOQ LOQ LOQ LOQ	mg/kg mg/kg mg/kg mg/kg	J (all detects)
DU14-S014-01-10	ANTHRACENE BENZO(G,H,I)PERYLENE FLUORENE	J J J	0.0014 0.0018 0.00078	0.0019 0.0019 0.0019	LOQ LOQ LOQ	mg/kg mg/kg mg/kg	J (all detects)
DU14-S015-01-10	1-METHYLNAPHTHALENE 2-METHYLNAPHTHALENE ACENAPHTHYLENE	J J J	0.0014 0.0017 0.0013	0.0019 0.0019 0.0019	LOQ LOQ LOQ	mg/kg mg/kg mg/kg	J (all detects)
DU14-S016-01-10	ACENAPHTHENE ACENAPHTHYLENE DIBENZO(A,H)ANTHRACENE FLUORENE	J J J J	0.0010 0.00038 0.0016 0.0012	0.0019 0.0019 0.0019 0.0019	LOQ LOQ LOQ LOQ	mg/kg mg/kg mg/kg mg/kg	J (all detects)

Method Blank Outlier Report

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**
Matrix: **SOIL**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
PLKLC18B187SLC026	7/10/2017 6:38:00 PM	BENZO(A)PYRENE BENZO(B)FLUORANTHENE BENZO(G,H,I)PERYLENE CHRYSENE PYRENE	0.00088 mg/kg 0.00099 mg/kg 0.00072 mg/kg 0.00053 mg/kg 0.00050 mg/kg	DU12-S013-01-10 DU12-S013-01-10D DU14-S012-00-01 DU14-S012-01-10 DU14-S012-01-10D
PLKLP19B192SLP026	7/13/2017 10:42:00 PM	NAPHTHALENE	0.00085 mg/kg	DU12-S013-01-10D-X DU12-S013-01-10-X DU14-S012-00-01-X DU14-S012-01-10D-X DU14-S012-01-10-X

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
DU12-S013-01-10(Initial)	BENZO(A)PYRENE	0.0023 mg/kg	0.0023U mg/kg
DU12-S013-01-10(Initial)	BENZO(B)FLUORANTHENE	0.0031 mg/kg	0.0031U mg/kg
DU12-S013-01-10(Initial)	BENZO(G,H,I)PERYLENE	0.0015 mg/kg	0.0019U mg/kg
DU12-S013-01-10(Initial)	CHRYSENE	0.0026 mg/kg	0.0026U mg/kg
DU12-S013-01-10D(Initial)	BENZO(A)PYRENE	0.0030 mg/kg	0.0030U mg/kg
DU12-S013-01-10D(Initial)	BENZO(B)FLUORANTHENE	0.0041 mg/kg	0.0041U mg/kg
DU12-S013-01-10D(Initial)	BENZO(G,H,I)PERYLENE	0.0020 mg/kg	0.0020U mg/kg
DU14-S012-01-10(Initial)	BENZO(G,H,I)PERYLENE	0.0021 mg/kg	0.0021U mg/kg
DU14-S012-01-10D(Initial)	BENZO(G,H,I)PERYLENE	0.0016 mg/kg	0.0019U mg/kg
DU14-S012-01-10D-X(Reanalysis-01)	NAPHTHALENE	0.0013 mg/kg	0.0019U mg/kg

Equipment Rinsate Blank Outlier Report

Lab Reporting Batch ID: APP33 **Laboratory: LLL**

EDD Filename: APP33-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**
Matrix: **SOIL**

Equipment Blank Sample ID	Collected Date	Analyte	Result	Associated Samples
EB-SO061417-02(Initial/TOT)	6/14/2017 12:30:00 PM	NAPHTHALENE	0.19 ug/l	DU14-S007-00-01 DU14-S007-01-10 DU14-S008-00-01 DU14-S008-01-10 DU14-S008-01-10D DU14-S010-00-01 DU14-S010-01-10 DU14-S010-01-10D DU14-S012-00-01 DU14-S012-00-01-X DU14-S012-01-10 DU14-S012-01-10D DU14-S012-01-10D-X DU14-S012-01-10-X DU14-S014-00-01 DU14-S014-01-10 DU14-S015-00-01 DU14-S015-01-10 DU14-S016-00-01 DU14-S016-01-10

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
DU14-S008-01-10(Initial)	NAPHTHALENE	0.00083 mg/kg	0.0018U mg/kg
DU14-S008-01-10(Reanalysis-01)	NAPHTHALENE	0.00085 mg/kg	0.0018U mg/kg
DU14-S012-01-10(Initial)	NAPHTHALENE	0.00095 mg/kg	0.0019U mg/kg

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Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page	1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.		
Laboratory SDG:	APP34		
Date(s) of Collection:	June 15th, 2017		
Number/Type Samples & Analyses:	16 soil samples and 2 field duplicates for a project-specific list of hexavalent chromium and metals		
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA		
Completed:	August 8th, 2017		

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for soil data included in Sample Delivery Group (SDG) APP34. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017.

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✓ Holding times and sample preservation

✓ Laboratory method blank data

✓ Field rinsate blank data

NA Trip blank data

✓ Laboratory control sample (LCS) recoveries

✓ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✓ Surrogate recoveries

✓ Laboratory duplicate results

✗ Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of "J" data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

For the soil sample (DU04-S011-00-01), both the total chromium and hexavalent chromium results appear to be valid and verified by the lab.

This data package was revised 11/9/2017 due to the Eurofins SW6020A metals data breach. The majority of the data changes were made to Quality Control (QC) and/or calibration checks, not to actual sample results. The few field sample result changes were due to the originally reported result exceeding the linear calibration range of the instrument; those results were changed to be slightly lower than the upper limit of the calibration range.

In this package, the metals data was rejected due to very low level check standards. The 16 soil samples and 2 field duplicates were re-digested and analyzed; the reanalyzed results are presented in APP77.

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
J+	The result is an estimated quantity, but the result may be biased high.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The result is rejected and not usable due to QC issues.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports. Attachment B and Table B-1 present summaries of the SW6020A instrument calibration review.

Attachment B and Table B-1 present summaries of the SW6020A instrument calibration review.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Attachment B: SW6020A Instrument Calibration Review Summary

Data Review Summary

Lab Reporting Batch ID: APP34 **Laboratory: LLL**

EDD Filename: APP34-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Validation Area	*Note*
Technical Holding Times	A
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	SR
Surrogate/Tracer Spikes	N
Matrix Spike/Matrix Spike Duplicates	N
Laboratory Duplicates	N
Laboratory Replicates	N
Laboratory Control Samples	A
Compound Quantitation	SR
Field Duplicates	SR
Field Triplicates	N
Field Blanks	A

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP34 **Laboratory: LLL**

EDD Filename: APP34-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SOIL**

Sample ID: **DU04-S001-00-01** ***Collected:*** **6/15/2017 12:30:00 PM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	17.7		0.293	LOD	0.586	LOQ	mg/kg	R	ProfJudg
BERYLLIUM	0.311		0.0183	LOD	0.147	LOQ	mg/kg	R	ProfJudg
SELENIUM	0.169	J	0.147	LOD	0.586	LOQ	mg/kg	R	RI, ProfJudg
SILVER	0.0367	U	0.0367	LOD	0.147	LOQ	mg/kg	R	ProfJudg
THALLIUM	0.0733	J	0.0367	LOD	0.147	LOQ	mg/kg	R	RI, ProfJudg
LEAD	5.43		0.0367	LOD	0.293	LOQ	mg/kg	R	ProfJudg

Sample ID: **DU04-S001-00-01** ***Collected:*** **6/15/2017 12:30:00 PM** ***Analysis Type:*** **Reanalysis-01** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	6740		7.33	LOD	29.3	LOQ	mg/kg	R	ProfJudg
ANTIMONY	0.147	U	0.147	LOD	0.293	LOQ	mg/kg	R	ProfJudg
ARSENIC	2.74		0.293	LOD	0.586	LOQ	mg/kg	R	ProfJudg
CADMIUM	0.0381	J	0.0733	LOD	0.147	LOQ	mg/kg	R	RI, ProfJudg
CALCIUM	598		29.3	LOD	58.6	LOQ	mg/kg	R	ProfJudg
CHROMIUM	9.34		0.293	LOD	0.586	LOQ	mg/kg	R	ProfJudg
COBALT	2.99		0.0733	LOD	0.147	LOQ	mg/kg	R	ProfJudg
COPPER	5.36		0.147	LOD	0.586	LOQ	mg/kg	R	ProfJudg
IRON	8880		14.7	LOD	29.3	LOQ	mg/kg	R	ProfJudg
MAGNESIUM	1490		7.33	LOD	29.3	LOQ	mg/kg	R	ProfJudg
MANGANESE	91.2		0.147	LOD	0.586	LOQ	mg/kg	R	ProfJudg
NICKEL	5.49		0.147	LOD	0.586	LOQ	mg/kg	R	ProfJudg
POTASSIUM	673		14.7	LOD	58.6	LOQ	mg/kg	R	ProfJudg
SODIUM	63.7		14.7	LOD	58.6	LOQ	mg/kg	R	ProfJudg
VANADIUM	15.1		0.0733	LOD	0.147	LOQ	mg/kg	R	ProfJudg
ZINC	16.0		2.20	LOD	4.40	LOQ	mg/kg	R	ProfJudg

Sample ID: **DU04-S002-00-01** ***Collected:*** **6/15/2017 12:40:00 PM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	18.4		0.387	LOD	0.775	LOQ	mg/kg	R	ProfJudg
BERYLLIUM	0.366		0.0242	LOD	0.194	LOQ	mg/kg	R	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP34 **Laboratory: LLL**

EDD Filename: APP34-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU04-S002-00-01 **Collected:** 6/15/2017 12:40:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
LEAD	4.97		0.0484	LOD	0.387	LOQ	mg/kg	R	ProfJudg
SELENIUM	0.191	J	0.194	LOD	0.775	LOQ	mg/kg	R	RI, ProfJudg
SILVER	0.0484	U	0.0484	LOD	0.194	LOQ	mg/kg	R	ProfJudg
THALLIUM	0.0932	J	0.0484	LOD	0.194	LOQ	mg/kg	R	RI, ProfJudg

Sample ID: DU04-S002-00-01 **Collected:** 6/15/2017 12:40:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	7570		9.69	LOD	38.7	LOQ	mg/kg	R	ProfJudg
ANTIMONY	0.194	U	0.194	LOD	0.387	LOQ	mg/kg	R	ProfJudg
ARSENIC	2.98		0.387	LOD	0.775	LOQ	mg/kg	R	ProfJudg
CADMIUM	0.0562	J	0.0969	LOD	0.194	LOQ	mg/kg	R	RI, ProfJudg
CALCIUM	547		38.7	LOD	77.5	LOQ	mg/kg	R	ProfJudg
CHROMIUM	9.67		0.387	LOD	0.775	LOQ	mg/kg	R	ProfJudg
COBALT	3.48		0.0969	LOD	0.194	LOQ	mg/kg	R	ProfJudg
COPPER	5.24		0.194	LOD	0.775	LOQ	mg/kg	R	ProfJudg
IRON	9850		19.4	LOD	38.7	LOQ	mg/kg	R	ProfJudg
MAGNESIUM	1700		9.69	LOD	38.7	LOQ	mg/kg	R	ProfJudg
MANGANESE	96.7		0.194	LOD	0.775	LOQ	mg/kg	R	ProfJudg
NICKEL	5.99		0.194	LOD	0.775	LOQ	mg/kg	R	ProfJudg
POTASSIUM	820		19.4	LOD	77.5	LOQ	mg/kg	R	ProfJudg
SODIUM	66.8	J	19.4	LOD	77.5	LOQ	mg/kg	R	RI, ProfJudg
VANADIUM	15.6		0.0969	LOD	0.194	LOQ	mg/kg	R	ProfJudg
ZINC	16.6		2.91	LOD	5.81	LOQ	mg/kg	R	ProfJudg

Sample ID: DU04-S003-00-01 **Collected:** 6/15/2017 12:50:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	7.28		0.282	LOD	0.565	LOQ	mg/kg	R	ProfJudg
BERYLLIUM	0.100	J	0.0176	LOD	0.141	LOQ	mg/kg	R	RI, ProfJudg
CADMIUM	0.0706	U	0.0706	LOD	0.141	LOQ	mg/kg	R	ProfJudg
LEAD	2.14		0.0353	LOD	0.282	LOQ	mg/kg	R	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP34 **Laboratory: LLL**

EDD Filename: APP34-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SOIL**

Sample ID: **DU04-S003-00-01** ***Collected:*** **6/15/2017 12:50:00 PM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.141	U	0.141	LOD	0.565	LOQ	mg/kg	R	Fd, ProfJudg
SILVER	0.0353	U	0.0353	LOD	0.141	LOQ	mg/kg	R	ProfJudg
THALLIUM	0.0236	J	0.0353	LOD	0.141	LOQ	mg/kg	R	Rl, Fd, ProfJudg

Sample ID: **DU04-S003-00-01** ***Collected:*** **6/15/2017 12:50:00 PM** ***Analysis Type:*** **Reanalysis-01** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	1960		7.06	LOD	28.2	LOQ	mg/kg	R	ProfJudg
ANTIMONY	0.141	U	0.141	LOD	0.282	LOQ	mg/kg	R	ProfJudg
ARSENIC	0.798		0.282	LOD	0.565	LOQ	mg/kg	R	ProfJudg
CALCIUM	237		28.2	LOD	56.5	LOQ	mg/kg	R	ProfJudg
CHROMIUM	2.43		0.282	LOD	0.565	LOQ	mg/kg	R	ProfJudg
COBALT	1.39		0.0706	LOD	0.141	LOQ	mg/kg	R	ProfJudg
COPPER	1.61		0.141	LOD	0.565	LOQ	mg/kg	R	ProfJudg
IRON	2560		14.1	LOD	28.2	LOQ	mg/kg	R	ProfJudg
MAGNESIUM	365		7.06	LOD	28.2	LOQ	mg/kg	R	ProfJudg
MANGANESE	35.9		0.141	LOD	0.565	LOQ	mg/kg	R	ProfJudg
NICKEL	1.61		0.141	LOD	0.565	LOQ	mg/kg	R	ProfJudg
POTASSIUM	256		14.1	LOD	56.5	LOQ	mg/kg	R	ProfJudg
SODIUM	46.1	J	14.1	LOD	56.5	LOQ	mg/kg	R	Rl, ProfJudg
VANADIUM	4.43		0.0706	LOD	0.141	LOQ	mg/kg	R	ProfJudg
ZINC	5.02		2.12	LOD	4.23	LOQ	mg/kg	R	ProfJudg

Sample ID: **DU04-S003-00-01D** ***Collected:*** **6/15/2017 12:50:00 PM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.106	J	0.0210	LOD	0.168	LOQ	mg/kg	R	Rl, ProfJudg
LEAD	2.04		0.0420	LOD	0.336	LOQ	mg/kg	R	ProfJudg
SELENIUM	0.0903	J	0.168	LOD	0.671	LOQ	mg/kg	R	Rl, Fd, ProfJudg
SILVER	0.0420	U	0.0420	LOD	0.168	LOQ	mg/kg	R	ProfJudg
THALLIUM	0.0420	U	0.0420	LOD	0.168	LOQ	mg/kg	R	Fd, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP34 **Laboratory: LLL**

EDD Filename: APP34-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SOIL**

Sample ID: **DU04-S003-00-01D** ***Collected:*** **6/15/2017 12:50:00 PM** ***Analysis Type:*** **Reanalysis-01** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	2240		8.39	LOD	33.6	LOQ	mg/kg	R	ProfJudg
ANTIMONY	0.168	U	0.168	LOD	0.336	LOQ	mg/kg	R	ProfJudg
ARSENIC	1.01		0.336	LOD	0.671	LOQ	mg/kg	R	ProfJudg
BARIUM	7.60		0.336	LOD	0.671	LOQ	mg/kg	R	ProfJudg
CADMIUM	0.0839	U	0.0839	LOD	0.168	LOQ	mg/kg	R	ProfJudg
CALCIUM	223		33.6	LOD	67.1	LOQ	mg/kg	R	ProfJudg
CHROMIUM	2.87		0.336	LOD	0.671	LOQ	mg/kg	R	ProfJudg
COBALT	1.49		0.0839	LOD	0.168	LOQ	mg/kg	R	ProfJudg
COPPER	1.90		0.168	LOD	0.671	LOQ	mg/kg	R	ProfJudg
IRON	2940		16.8	LOD	33.6	LOQ	mg/kg	R	ProfJudg
MAGNESIUM	387		8.39	LOD	33.6	LOQ	mg/kg	R	ProfJudg
MANGANESE	37.9		0.168	LOD	0.671	LOQ	mg/kg	R	ProfJudg
NICKEL	1.73		0.168	LOD	0.671	LOQ	mg/kg	R	ProfJudg
POTASSIUM	260		16.8	LOD	67.1	LOQ	mg/kg	R	ProfJudg
SODIUM	42.1	J	16.8	LOD	67.1	LOQ	mg/kg	R	RI, ProfJudg
VANADIUM	5.17		0.0839	LOD	0.168	LOQ	mg/kg	R	ProfJudg
ZINC	5.50		2.52	LOD	5.04	LOQ	mg/kg	R	ProfJudg

Sample ID: **DU04-S004-00-01** ***Collected:*** **6/15/2017 1:00:00 PM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	19.5		0.380	LOD	0.760	LOQ	mg/kg	R	ProfJudg
BERYLLIUM	0.348		0.0237	LOD	0.190	LOQ	mg/kg	R	ProfJudg
CADMIUM	0.0949	U	0.0949	LOD	0.190	LOQ	mg/kg	R	ProfJudg
LEAD	8.87		0.0475	LOD	0.380	LOQ	mg/kg	R	ProfJudg
SELENIUM	0.196	J	0.190	LOD	0.760	LOQ	mg/kg	R	RI, ProfJudg
SILVER	0.0475	U	0.0475	LOD	0.190	LOQ	mg/kg	R	ProfJudg
THALLIUM	0.0921	J	0.0475	LOD	0.190	LOQ	mg/kg	R	RI, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP34 **Laboratory: LLL**

EDD Filename: APP34-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SOIL**

Sample ID: **DU04-S004-00-01** ***Collected:*** **6/15/2017 1:00:00 PM** ***Analysis Type:*** **Reanalysis-01** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	7410		9.49	LOD	38.0	LOQ	mg/kg	R	ProfJudg
ANTIMONY	0.0972	J	0.190	LOD	0.380	LOQ	mg/kg	R	RI, ProfJudg
ARSENIC	3.45		0.380	LOD	0.760	LOQ	mg/kg	R	ProfJudg
CALCIUM	434		38.0	LOD	76.0	LOQ	mg/kg	R	ProfJudg
CHROMIUM	10.1		0.380	LOD	0.760	LOQ	mg/kg	R	ProfJudg
COBALT	2.39		0.0949	LOD	0.190	LOQ	mg/kg	R	ProfJudg
COPPER	4.12		0.190	LOD	0.760	LOQ	mg/kg	R	ProfJudg
IRON	9940		19.0	LOD	38.0	LOQ	mg/kg	R	ProfJudg
MAGNESIUM	1540		9.49	LOD	38.0	LOQ	mg/kg	R	ProfJudg
MANGANESE	74.4		0.190	LOD	0.760	LOQ	mg/kg	R	ProfJudg
NICKEL	5.35		0.190	LOD	0.760	LOQ	mg/kg	R	ProfJudg
POTASSIUM	700		19.0	LOD	76.0	LOQ	mg/kg	R	ProfJudg
SODIUM	53.2	J	19.0	LOD	76.0	LOQ	mg/kg	R	RI, ProfJudg
VANADIUM	16.8		0.0949	LOD	0.190	LOQ	mg/kg	R	ProfJudg
ZINC	22.6		2.85	LOD	5.70	LOQ	mg/kg	R	ProfJudg

Sample ID: **DU04-S005-00-01** ***Collected:*** **6/15/2017 1:10:00 PM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	16.6		0.362	LOD	0.724	LOQ	mg/kg	R	ProfJudg
BERYLLIUM	0.393		0.0226	LOD	0.181	LOQ	mg/kg	R	ProfJudg
LEAD	6.39		0.0453	LOD	0.362	LOQ	mg/kg	R	ProfJudg
SELENIUM	0.236	J	0.181	LOD	0.724	LOQ	mg/kg	R	RI, ProfJudg
SILVER	0.0453	U	0.0453	LOD	0.181	LOQ	mg/kg	R	ProfJudg
THALLIUM	0.0703	J	0.0453	LOD	0.181	LOQ	mg/kg	R	RI, ProfJudg

Sample ID: **DU04-S005-00-01** ***Collected:*** **6/15/2017 1:10:00 PM** ***Analysis Type:*** **Reanalysis-01** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	7500		9.05	LOD	36.2	LOQ	mg/kg	R	ProfJudg
ANTIMONY	0.181	U	0.181	LOD	0.362	LOQ	mg/kg	R	ProfJudg
ARSENIC	3.21		0.362	LOD	0.724	LOQ	mg/kg	R	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP34 **Laboratory: LLL**

EDD Filename: APP34-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SOIL**

Sample ID: **DU04-S005-00-01** ***Collected:*** **6/15/2017 1:10:00 PM** ***Analysis Type:*** **Reanalysis-01** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0500	J	0.0905	LOD	0.181	LOQ	mg/kg	R	Rl, ProfJudg
CALCIUM	550		36.2	LOD	72.4	LOQ	mg/kg	R	ProfJudg
CHROMIUM	9.78		0.362	LOD	0.724	LOQ	mg/kg	R	ProfJudg
COBALT	3.51		0.0905	LOD	0.181	LOQ	mg/kg	R	ProfJudg
COPPER	5.27		0.181	LOD	0.724	LOQ	mg/kg	R	ProfJudg
IRON	9710		18.1	LOD	36.2	LOQ	mg/kg	R	ProfJudg
MAGNESIUM	1480		9.05	LOD	36.2	LOQ	mg/kg	R	ProfJudg
MANGANESE	101		0.181	LOD	0.724	LOQ	mg/kg	R	ProfJudg
NICKEL	5.75		0.181	LOD	0.724	LOQ	mg/kg	R	ProfJudg
POTASSIUM	672		18.1	LOD	72.4	LOQ	mg/kg	R	ProfJudg
SODIUM	58.9	J	18.1	LOD	72.4	LOQ	mg/kg	R	Rl, ProfJudg
VANADIUM	16.3		0.0905	LOD	0.181	LOQ	mg/kg	R	ProfJudg
ZINC	16.6		2.72	LOD	5.43	LOQ	mg/kg	R	ProfJudg

Sample ID: **DU04-S006-00-01** ***Collected:*** **6/15/2017 1:20:00 PM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	6.82		0.303	LOD	0.605	LOQ	mg/kg	R	ProfJudg
BERYLLIUM	0.0932	J	0.0189	LOD	0.151	LOQ	mg/kg	R	Rl, ProfJudg
CADMIUM	0.0757	U	0.0757	LOD	0.151	LOQ	mg/kg	R	ProfJudg
LEAD	1.53		0.0378	LOD	0.303	LOQ	mg/kg	R	ProfJudg
SELENIUM	0.151	U	0.151	LOD	0.605	LOQ	mg/kg	R	ProfJudg
SILVER	0.0378	U	0.0378	LOD	0.151	LOQ	mg/kg	R	ProfJudg
THALLIUM	0.0204	J	0.0378	LOD	0.151	LOQ	mg/kg	R	Rl, ProfJudg

Sample ID: **DU04-S006-00-01** ***Collected:*** **6/15/2017 1:20:00 PM** ***Analysis Type:*** **Reanalysis-01** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	1420		7.57	LOD	30.3	LOQ	mg/kg	R	ProfJudg
ANTIMONY	0.151	U	0.151	LOD	0.303	LOQ	mg/kg	R	ProfJudg
ARSENIC	0.587	J	0.303	LOD	0.605	LOQ	mg/kg	R	Rl, ProfJudg
CALCIUM	180		30.3	LOD	60.5	LOQ	mg/kg	R	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP34 **Laboratory: LLL**

EDD Filename: APP34-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SOIL**

Sample ID: **DU04-S006-00-01** ***Collected:*** **6/15/2017 1:20:00 PM** ***Analysis Type:*** **Reanalysis-01** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	2.02		0.303	LOD	0.605	LOQ	mg/kg	R	ProfJudg
COBALT	0.735		0.0757	LOD	0.151	LOQ	mg/kg	R	ProfJudg
COPPER	1.58		0.151	LOD	0.605	LOQ	mg/kg	R	ProfJudg
IRON	1980		15.1	LOD	30.3	LOQ	mg/kg	R	ProfJudg
MAGNESIUM	233		7.57	LOD	30.3	LOQ	mg/kg	R	ProfJudg
MANGANESE	20.6		0.151	LOD	0.605	LOQ	mg/kg	R	ProfJudg
NICKEL	1.41		0.151	LOD	0.605	LOQ	mg/kg	R	ProfJudg
POTASSIUM	244		15.1	LOD	60.5	LOQ	mg/kg	R	ProfJudg
SODIUM	66.4		15.1	LOD	60.5	LOQ	mg/kg	R	ProfJudg
VANADIUM	3.06		0.0757	LOD	0.151	LOQ	mg/kg	R	ProfJudg
ZINC	4.21	J	2.27	LOD	4.54	LOQ	mg/kg	R	RI, ProfJudg

Sample ID: **DU04-S007-00-01** ***Collected:*** **6/15/2017 1:30:00 PM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	8.50		0.346	LOD	0.691	LOQ	mg/kg	R	ProfJudg
BERYLLIUM	0.203		0.0216	LOD	0.173	LOQ	mg/kg	R	ProfJudg
CADMIUM	0.0864	U	0.0864	LOD	0.173	LOQ	mg/kg	R	ProfJudg
LEAD	3.68		0.0432	LOD	0.346	LOQ	mg/kg	R	ProfJudg
SELENIUM	0.129	J	0.173	LOD	0.691	LOQ	mg/kg	R	RI, ProfJudg
SILVER	0.0432	U	0.0432	LOD	0.173	LOQ	mg/kg	R	ProfJudg
THALLIUM	0.0387	J	0.0432	LOD	0.173	LOQ	mg/kg	R	RI, ProfJudg

Sample ID: **DU04-S007-00-01** ***Collected:*** **6/15/2017 1:30:00 PM** ***Analysis Type:*** **Reanalysis-01** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	3570		8.64	LOD	34.6	LOQ	mg/kg	R	ProfJudg
ANTIMONY	0.173	U	0.173	LOD	0.346	LOQ	mg/kg	R	ProfJudg
ARSENIC	1.58		0.346	LOD	0.691	LOQ	mg/kg	R	ProfJudg
CALCIUM	292		34.6	LOD	69.1	LOQ	mg/kg	R	ProfJudg
CHROMIUM	4.84		0.346	LOD	0.691	LOQ	mg/kg	R	ProfJudg
COBALT	1.27		0.0864	LOD	0.173	LOQ	mg/kg	R	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP34 **Laboratory: LLL**

EDD Filename: APP34-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU04-S007-00-01 **Collected:** 6/15/2017 1:30:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	2.65		0.173	LOD	0.691	LOQ	mg/kg	R	ProfJudg
IRON	4680		17.3	LOD	34.6	LOQ	mg/kg	R	ProfJudg
MAGNESIUM	690		8.64	LOD	34.6	LOQ	mg/kg	R	ProfJudg
MANGANESE	49.1		0.173	LOD	0.691	LOQ	mg/kg	R	ProfJudg
NICKEL	2.56		0.173	LOD	0.691	LOQ	mg/kg	R	ProfJudg
POTASSIUM	361		17.3	LOD	69.1	LOQ	mg/kg	R	ProfJudg
SODIUM	39.2	J	17.3	LOD	69.1	LOQ	mg/kg	R	Rl, ProfJudg
VANADIUM	7.66		0.0864	LOD	0.173	LOQ	mg/kg	R	ProfJudg
ZINC	9.67		2.59	LOD	5.18	LOQ	mg/kg	R	ProfJudg

Sample ID: DU04-S008-00-01 **Collected:** 6/15/2017 1:40:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	16.7		0.531	LOD	1.06	LOQ	mg/kg	R	ProfJudg
BERYLLIUM	0.345		0.0332	LOD	0.265	LOQ	mg/kg	R	ProfJudg
CADMIUM	0.133	U	0.133	LOD	0.265	LOQ	mg/kg	R	Fd, ProfJudg
LEAD	5.22		0.0664	LOD	0.531	LOQ	mg/kg	R	ProfJudg
SELENIUM	0.269	J	0.265	LOD	1.06	LOQ	mg/kg	R	Rl, ProfJudg
SILVER	0.0664	U	0.0664	LOD	0.265	LOQ	mg/kg	R	ProfJudg
THALLIUM	0.109	J	0.0664	LOD	0.265	LOQ	mg/kg	R	Rl, ProfJudg

Sample ID: DU04-S008-00-01 **Collected:** 6/15/2017 1:40:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	7590		13.3	LOD	53.1	LOQ	mg/kg	R	ProfJudg
ANTIMONY	0.265	U	0.265	LOD	0.531	LOQ	mg/kg	R	Fd, ProfJudg
ARSENIC	2.94		0.531	LOD	1.06	LOQ	mg/kg	R	ProfJudg
CALCIUM	411		53.1	LOD	106	LOQ	mg/kg	R	ProfJudg
CHROMIUM	9.63		0.531	LOD	1.06	LOQ	mg/kg	R	ProfJudg
COBALT	2.73		0.133	LOD	0.265	LOQ	mg/kg	R	ProfJudg
COPPER	4.17		0.265	LOD	1.06	LOQ	mg/kg	R	ProfJudg
IRON	9230		26.5	LOD	53.1	LOQ	mg/kg	R	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP34 **Laboratory: LLL**

EDD Filename: APP34-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SOIL**

Sample ID: **DU04-S008-00-01** ***Collected:*** **6/15/2017 1:40:00 PM** ***Analysis Type:*** **Reanalysis-01** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MAGNESIUM	1410		13.3	LOD	53.1	LOQ	mg/kg	R	ProfJudg
MANGANESE	78.6		0.265	LOD	1.06	LOQ	mg/kg	R	ProfJudg
NICKEL	5.18		0.265	LOD	1.06	LOQ	mg/kg	R	ProfJudg
POTASSIUM	684		26.5	LOD	106	LOQ	mg/kg	R	ProfJudg
SODIUM	68.2	J	26.5	LOD	106	LOQ	mg/kg	R	RI, ProfJudg
VANADIUM	14.9		0.133	LOD	0.265	LOQ	mg/kg	R	ProfJudg
ZINC	15.5		3.98	LOD	7.96	LOQ	mg/kg	R	ProfJudg

Sample ID: **DU04-S008-00-01D** ***Collected:*** **6/15/2017 1:40:00 PM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	18.6		0.372	LOD	0.744	LOQ	mg/kg	R	ProfJudg
BERYLLIUM	0.392		0.0233	LOD	0.186	LOQ	mg/kg	R	ProfJudg
LEAD	5.63		0.0465	LOD	0.372	LOQ	mg/kg	R	ProfJudg
SELENIUM	0.303	J	0.186	LOD	0.744	LOQ	mg/kg	R	RI, ProfJudg
SILVER	0.0465	U	0.0465	LOD	0.186	LOQ	mg/kg	R	ProfJudg
THALLIUM	0.0889	J	0.0465	LOD	0.186	LOQ	mg/kg	R	RI, ProfJudg

Sample ID: **DU04-S008-00-01D** ***Collected:*** **6/15/2017 1:40:00 PM** ***Analysis Type:*** **Reanalysis-01** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	8660		9.30	LOD	37.2	LOQ	mg/kg	R	ProfJudg
ANTIMONY	0.0882	J	0.186	LOD	0.372	LOQ	mg/kg	R	RI, Fd, ProfJudg
ARSENIC	3.40		0.372	LOD	0.744	LOQ	mg/kg	R	ProfJudg
CADMIUM	0.0480	J	0.0930	LOD	0.186	LOQ	mg/kg	R	RI, Fd, ProfJudg
CALCIUM	472		37.2	LOD	74.4	LOQ	mg/kg	R	ProfJudg
CHROMIUM	10.7		0.372	LOD	0.744	LOQ	mg/kg	R	ProfJudg
COBALT	3.21		0.0930	LOD	0.186	LOQ	mg/kg	R	ProfJudg
COPPER	4.81		0.186	LOD	0.744	LOQ	mg/kg	R	ProfJudg
IRON	10600		18.6	LOD	37.2	LOQ	mg/kg	R	ProfJudg
MAGNESIUM	1500		9.30	LOD	37.2	LOQ	mg/kg	R	ProfJudg
MANGANESE	87.0		0.186	LOD	0.744	LOQ	mg/kg	R	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP34 **Laboratory: LLL**

EDD Filename: APP34-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SOIL**

Sample ID: **DU04-S008-00-01D** ***Collected:*** **6/15/2017 1:40:00 PM** ***Analysis Type:*** **Reanalysis-01** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NICKEL	5.72		0.186	LOD	0.744	LOQ	mg/kg	R	ProfJudg
POTASSIUM	688		18.6	LOD	74.4	LOQ	mg/kg	R	ProfJudg
SODIUM	60.3	J	18.6	LOD	74.4	LOQ	mg/kg	R	RI, ProfJudg
VANADIUM	17.2		0.0930	LOD	0.186	LOQ	mg/kg	R	ProfJudg
ZINC	18.2		2.79	LOD	5.58	LOQ	mg/kg	R	ProfJudg

Sample ID: **DU04-S009-00-01** ***Collected:*** **6/15/2017 1:50:00 PM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	9.82		0.476	LOD	0.951	LOQ	mg/kg	R	ProfJudg
BERYLLIUM	0.222	J	0.0297	LOD	0.238	LOQ	mg/kg	R	RI, ProfJudg
CADMIUM	0.119	U	0.119	LOD	0.238	LOQ	mg/kg	R	ProfJudg
LEAD	2.62		0.0594	LOD	0.476	LOQ	mg/kg	R	ProfJudg
SELENIUM	0.238	U	0.238	LOD	0.951	LOQ	mg/kg	R	ProfJudg
SILVER	0.0594	U	0.0594	LOD	0.238	LOQ	mg/kg	R	ProfJudg
THALLIUM	0.0402	J	0.0594	LOD	0.238	LOQ	mg/kg	R	RI, ProfJudg

Sample ID: **DU04-S009-00-01** ***Collected:*** **6/15/2017 1:50:00 PM** ***Analysis Type:*** **Reanalysis-01** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	2820		11.9	LOD	47.6	LOQ	mg/kg	R	ProfJudg
ANTIMONY	0.238	U	0.238	LOD	0.476	LOQ	mg/kg	R	ProfJudg
ARSENIC	1.57		0.476	LOD	0.951	LOQ	mg/kg	R	ProfJudg
CALCIUM	437		47.6	LOD	95.1	LOQ	mg/kg	R	ProfJudg
CHROMIUM	4.68		0.476	LOD	0.951	LOQ	mg/kg	R	ProfJudg
COBALT	1.62		0.119	LOD	0.238	LOQ	mg/kg	R	ProfJudg
COPPER	3.31		0.238	LOD	0.951	LOQ	mg/kg	R	ProfJudg
IRON	4160		23.8	LOD	47.6	LOQ	mg/kg	R	ProfJudg
MAGNESIUM	624		11.9	LOD	47.6	LOQ	mg/kg	R	ProfJudg
MANGANESE	56.3		0.238	LOD	0.951	LOQ	mg/kg	R	ProfJudg
NICKEL	2.45		0.238	LOD	0.951	LOQ	mg/kg	R	ProfJudg
POTASSIUM	463		23.8	LOD	95.1	LOQ	mg/kg	R	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP34 **Laboratory: LLL**

EDD Filename: APP34-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SOIL**

Sample ID: **DU04-S009-00-01** ***Collected:*** **6/15/2017 1:50:00 PM** ***Analysis Type:*** **Reanalysis-01** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	73.9	J	23.8	LOD	95.1	LOQ	mg/kg	R	RI, ProfJudg
VANADIUM	7.24		0.119	LOD	0.238	LOQ	mg/kg	R	ProfJudg
ZINC	8.60		3.57	LOD	7.13	LOQ	mg/kg	R	ProfJudg

Sample ID: **DU04-S010-00-01** ***Collected:*** **6/15/2017 2:00:00 PM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	7.93		0.357	LOD	0.715	LOQ	mg/kg	R	ProfJudg
BERYLLIUM	0.108	J	0.0223	LOD	0.179	LOQ	mg/kg	R	RI, ProfJudg
LEAD	6.39		0.0447	LOD	0.357	LOQ	mg/kg	R	ProfJudg
SELENIUM	0.0936	J	0.179	LOD	0.715	LOQ	mg/kg	R	RI, ProfJudg
SILVER	0.0447	U	0.0447	LOD	0.179	LOQ	mg/kg	R	ProfJudg
THALLIUM	0.0264	J	0.0447	LOD	0.179	LOQ	mg/kg	R	RI, ProfJudg

Sample ID: **DU04-S010-00-01** ***Collected:*** **6/15/2017 2:00:00 PM** ***Analysis Type:*** **Reanalysis-01** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	2150		8.93	LOD	35.7	LOQ	mg/kg	R	ProfJudg
ANTIMONY	0.179	U	0.179	LOD	0.357	LOQ	mg/kg	R	ProfJudg
ARSENIC	1.34		0.357	LOD	0.715	LOQ	mg/kg	R	ProfJudg
CADMIUM	0.0893	U	0.0893	LOD	0.179	LOQ	mg/kg	R	ProfJudg
CALCIUM	373		35.7	LOD	71.5	LOQ	mg/kg	R	ProfJudg
CHROMIUM	3.26		0.357	LOD	0.715	LOQ	mg/kg	R	ProfJudg
COBALT	1.07		0.0893	LOD	0.179	LOQ	mg/kg	R	ProfJudg
COPPER	2.18		0.179	LOD	0.715	LOQ	mg/kg	R	ProfJudg
IRON	3720		17.9	LOD	35.7	LOQ	mg/kg	R	ProfJudg
MAGNESIUM	466		8.93	LOD	35.7	LOQ	mg/kg	R	ProfJudg
MANGANESE	51.1		0.179	LOD	0.715	LOQ	mg/kg	R	ProfJudg
NICKEL	2.17		0.179	LOD	0.715	LOQ	mg/kg	R	ProfJudg
POTASSIUM	296		17.9	LOD	71.5	LOQ	mg/kg	R	ProfJudg
SODIUM	55.1	J	17.9	LOD	71.5	LOQ	mg/kg	R	RI, ProfJudg
VANADIUM	5.67		0.0893	LOD	0.179	LOQ	mg/kg	R	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP34 **Laboratory: LLL**

EDD Filename: APP34-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU04-S010-00-01 **Collected:** 6/15/2017 2:00:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ZINC	8.24		2.68	LOD	5.36	LOQ	mg/kg	R	ProfJudg

Sample ID: DU04-S011-00-01 **Collected:** 6/15/2017 2:10:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	20.2		0.353	LOD	0.707	LOQ	mg/kg	R	ProfJudg
BERYLLIUM	0.305		0.0221	LOD	0.177	LOQ	mg/kg	R	ProfJudg
LEAD	14.2		0.0442	LOD	0.353	LOQ	mg/kg	R	ProfJudg
SELENIUM	0.221	J	0.177	LOD	0.707	LOQ	mg/kg	R	RI, ProfJudg
THALLIUM	0.0684	J	0.0442	LOD	0.177	LOQ	mg/kg	R	RI, ProfJudg

Sample ID: DU04-S011-00-01 **Collected:** 6/15/2017 2:10:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	5740		8.84	LOD	35.3	LOQ	mg/kg	R	ProfJudg
ANTIMONY	0.164	J	0.177	LOD	0.353	LOQ	mg/kg	R	RI, ProfJudg
ARSENIC	2.98		0.353	LOD	0.707	LOQ	mg/kg	R	ProfJudg
CADMIUM	0.0884	U	0.0884	LOD	0.177	LOQ	mg/kg	R	ProfJudg
CALCIUM	443		35.3	LOD	70.7	LOQ	mg/kg	R	ProfJudg
CHROMIUM	7.49		0.353	LOD	0.707	LOQ	mg/kg	R	ProfJudg
COBALT	2.74		0.0884	LOD	0.177	LOQ	mg/kg	R	ProfJudg
COPPER	11.7		0.177	LOD	0.707	LOQ	mg/kg	R	ProfJudg
IRON	7680		17.7	LOD	35.3	LOQ	mg/kg	R	ProfJudg
MAGNESIUM	1120		8.84	LOD	35.3	LOQ	mg/kg	R	ProfJudg
MANGANESE	79.0		0.177	LOD	0.707	LOQ	mg/kg	R	ProfJudg
NICKEL	5.81		0.177	LOD	0.707	LOQ	mg/kg	R	ProfJudg
POTASSIUM	579		17.7	LOD	70.7	LOQ	mg/kg	R	ProfJudg
SILVER	0.0576	J	0.0442	LOD	0.177	LOQ	mg/kg	R	RI, ProfJudg
SODIUM	49.7	J	17.7	LOD	70.7	LOQ	mg/kg	R	RI, ProfJudg
VANADIUM	12.4		0.0884	LOD	0.177	LOQ	mg/kg	R	ProfJudg
ZINC	14.4		2.65	LOD	5.30	LOQ	mg/kg	R	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP34 **Laboratory: LLL**

EDD Filename: APP34-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU04-S012-00-01 **Collected:** 6/15/2017 2:20:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	15.5		0.376	LOD	0.752	LOQ	mg/kg	R	ProfJudg
BERYLLIUM	0.207		0.0235	LOD	0.188	LOQ	mg/kg	R	ProfJudg
LEAD	21.7		0.0470	LOD	0.376	LOQ	mg/kg	R	ProfJudg
SELENIUM	0.121	J	0.188	LOD	0.752	LOQ	mg/kg	R	RI, ProfJudg
SILVER	0.0470	U	0.0470	LOD	0.188	LOQ	mg/kg	R	ProfJudg
THALLIUM	0.0540	J	0.0470	LOD	0.188	LOQ	mg/kg	R	RI, ProfJudg

Sample ID: DU04-S012-00-01 **Collected:** 6/15/2017 2:20:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	3930		9.40	LOD	37.6	LOQ	mg/kg	R	ProfJudg
ANTIMONY	0.320	J	0.188	LOD	0.376	LOQ	mg/kg	R	RI, ProfJudg
ARSENIC	1.96		0.376	LOD	0.752	LOQ	mg/kg	R	ProfJudg
CADMIUM	0.0572	J	0.0940	LOD	0.188	LOQ	mg/kg	R	RI, ProfJudg
CALCIUM	570		37.6	LOD	75.2	LOQ	mg/kg	R	ProfJudg
CHROMIUM	5.40		0.376	LOD	0.752	LOQ	mg/kg	R	ProfJudg
COBALT	1.82		0.0940	LOD	0.188	LOQ	mg/kg	R	ProfJudg
COPPER	5.26		0.188	LOD	0.752	LOQ	mg/kg	R	ProfJudg
IRON	5660		18.8	LOD	37.6	LOQ	mg/kg	R	ProfJudg
MAGNESIUM	851		9.40	LOD	37.6	LOQ	mg/kg	R	ProfJudg
MANGANESE	87.5		0.188	LOD	0.752	LOQ	mg/kg	R	ProfJudg
NICKEL	3.27		0.188	LOD	0.752	LOQ	mg/kg	R	ProfJudg
POTASSIUM	420		18.8	LOD	75.2	LOQ	mg/kg	R	ProfJudg
SODIUM	47.2	J	18.8	LOD	75.2	LOQ	mg/kg	R	RI, ProfJudg
VANADIUM	8.57		0.0940	LOD	0.188	LOQ	mg/kg	R	ProfJudg
ZINC	13.5		2.82	LOD	5.64	LOQ	mg/kg	R	ProfJudg

Sample ID: DU04-S013-00-01 **Collected:** 6/15/2017 2:30:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	14.6		0.341	LOD	0.682	LOQ	mg/kg	R	ProfJudg
BERYLLIUM	0.293		0.0213	LOD	0.170	LOQ	mg/kg	R	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP34 **Laboratory: LLL**

EDD Filename: APP34-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SOIL**

Sample ID: **DU04-S013-00-01** ***Collected:*** **6/15/2017 2:30:00 PM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0852	U	0.0852	LOD	0.170	LOQ	mg/kg	R	ProfJudg
LEAD	4.21		0.0426	LOD	0.341	LOQ	mg/kg	R	ProfJudg
SELENIUM	0.104	J	0.170	LOD	0.682	LOQ	mg/kg	R	RI, ProfJudg
SILVER	0.0426	U	0.0426	LOD	0.170	LOQ	mg/kg	R	ProfJudg
THALLIUM	0.0597	J	0.0426	LOD	0.170	LOQ	mg/kg	R	RI, ProfJudg

Sample ID: **DU04-S013-00-01** ***Collected:*** **6/15/2017 2:30:00 PM** ***Analysis Type:*** **Reanalysis-01** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	4220		8.52	LOD	34.1	LOQ	mg/kg	R	ProfJudg
ANTIMONY	0.140	J	0.170	LOD	0.341	LOQ	mg/kg	R	RI, ProfJudg
ARSENIC	2.53		0.341	LOD	0.682	LOQ	mg/kg	R	ProfJudg
CALCIUM	390		34.1	LOD	68.2	LOQ	mg/kg	R	ProfJudg
CHROMIUM	6.26		0.341	LOD	0.682	LOQ	mg/kg	R	ProfJudg
COBALT	2.13		0.0852	LOD	0.170	LOQ	mg/kg	R	ProfJudg
COPPER	4.06		0.170	LOD	0.682	LOQ	mg/kg	R	ProfJudg
IRON	6150		17.0	LOD	34.1	LOQ	mg/kg	R	ProfJudg
MAGNESIUM	1020		8.52	LOD	34.1	LOQ	mg/kg	R	ProfJudg
MANGANESE	74.3		0.170	LOD	0.682	LOQ	mg/kg	R	ProfJudg
NICKEL	3.95		0.170	LOD	0.682	LOQ	mg/kg	R	ProfJudg
POTASSIUM	606		17.0	LOD	68.2	LOQ	mg/kg	R	ProfJudg
SODIUM	51.5	J	17.0	LOD	68.2	LOQ	mg/kg	R	RI, ProfJudg
VANADIUM	9.36		0.0852	LOD	0.170	LOQ	mg/kg	R	ProfJudg
ZINC	12.1		2.56	LOD	5.11	LOQ	mg/kg	R	ProfJudg

Sample ID: **DU04-S014-00-01** ***Collected:*** **6/15/2017 2:40:00 PM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	18.5		0.382	LOD	0.764	LOQ	mg/kg	R	ProfJudg
BERYLLIUM	0.292		0.0239	LOD	0.191	LOQ	mg/kg	R	ProfJudg
CADMIUM	0.0955	U	0.0955	LOD	0.191	LOQ	mg/kg	R	ProfJudg
LEAD	5.33		0.0478	LOD	0.382	LOQ	mg/kg	R	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP34 **Laboratory: LLL**

EDD Filename: APP34-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU04-S014-00-01 **Collected:** 6/15/2017 2:40:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.215	J	0.191	LOD	0.764	LOQ	mg/kg	R	RI, ProfJudg
SILVER	0.0478	U	0.0478	LOD	0.191	LOQ	mg/kg	R	ProfJudg
THALLIUM	0.0566	J	0.0478	LOD	0.191	LOQ	mg/kg	R	RI, ProfJudg

Sample ID: DU04-S014-00-01 **Collected:** 6/15/2017 2:40:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	6590		9.55	LOD	38.2	LOQ	mg/kg	R	ProfJudg
ANTIMONY	0.191	U	0.191	LOD	0.382	LOQ	mg/kg	R	ProfJudg
ARSENIC	2.40		0.382	LOD	0.764	LOQ	mg/kg	R	ProfJudg
CALCIUM	356		38.2	LOD	76.4	LOQ	mg/kg	R	ProfJudg
CHROMIUM	7.53		0.382	LOD	0.764	LOQ	mg/kg	R	ProfJudg
COBALT	2.17		0.0955	LOD	0.191	LOQ	mg/kg	R	ProfJudg
COPPER	3.68		0.191	LOD	0.764	LOQ	mg/kg	R	ProfJudg
IRON	7310		19.1	LOD	38.2	LOQ	mg/kg	R	ProfJudg
MAGNESIUM	1050		9.55	LOD	38.2	LOQ	mg/kg	R	ProfJudg
MANGANESE	90.2		0.191	LOD	0.764	LOQ	mg/kg	R	ProfJudg
NICKEL	4.24		0.191	LOD	0.764	LOQ	mg/kg	R	ProfJudg
POTASSIUM	456		19.1	LOD	76.4	LOQ	mg/kg	R	ProfJudg
SODIUM	48.9	J	19.1	LOD	76.4	LOQ	mg/kg	R	RI, ProfJudg
VANADIUM	12.5		0.0955	LOD	0.191	LOQ	mg/kg	R	ProfJudg
ZINC	14.7		2.87	LOD	5.73	LOQ	mg/kg	R	ProfJudg

Sample ID: DU04-S015-00-01 **Collected:** 6/15/2017 2:50:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	2.71		0.306	LOD	0.612	LOQ	mg/kg	R	ProfJudg
BARIUM	19.3		0.306	LOD	0.612	LOQ	mg/kg	R	ProfJudg
BERYLLIUM	0.337		0.0191	LOD	0.153	LOQ	mg/kg	R	ProfJudg
CADMIUM	0.0412	J	0.0765	LOD	0.153	LOQ	mg/kg	R	RI, ProfJudg
CHROMIUM	10.0		0.306	LOD	0.612	LOQ	mg/kg	R	ProfJudg
COBALT	2.03		0.0765	LOD	0.153	LOQ	mg/kg	R	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP34 **Laboratory: LLL**

EDD Filename: APP34-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SOIL**

Sample ID: **DU04-S015-00-01** ***Collected:*** **6/15/2017 2:50:00 PM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	4.15		0.153	LOD	0.612	LOQ	mg/kg	R	ProfJudg
IRON	9910		15.3	LOD	30.6	LOQ	mg/kg	R	ProfJudg
LEAD	9.61		0.0383	LOD	0.306	LOQ	mg/kg	R	ProfJudg
MAGNESIUM	1080		7.65	LOD	30.6	LOQ	mg/kg	R	ProfJudg
MANGANESE	90.0		0.153	LOD	0.612	LOQ	mg/kg	R	ProfJudg
NICKEL	5.07		0.153	LOD	0.612	LOQ	mg/kg	R	ProfJudg
POTASSIUM	503		15.3	LOD	61.2	LOQ	mg/kg	R	ProfJudg
SELENIUM	0.247	J	0.153	LOD	0.612	LOQ	mg/kg	R	RI, ProfJudg
SILVER	0.0383	U	0.0383	LOD	0.153	LOQ	mg/kg	R	ProfJudg
SODIUM	59.3	J	15.3	LOD	61.2	LOQ	mg/kg	R	RI, ProfJudg
THALLIUM	0.0911	J	0.0383	LOD	0.153	LOQ	mg/kg	R	RI, ProfJudg
ZINC	16.2		2.30	LOD	4.59	LOQ	mg/kg	R	ProfJudg

Sample ID: **DU04-S015-00-01** ***Collected:*** **6/15/2017 2:50:00 PM** ***Analysis Type:*** **Reanalysis-01** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	8890		7.65	LOD	30.6	LOQ	mg/kg	R	ProfJudg
ANTIMONY	6.97		0.153	LOD	0.306	LOQ	mg/kg	R	ProfJudg
CALCIUM	691		30.6	LOD	61.2	LOQ	mg/kg	R	ProfJudg
VANADIUM	18.5		0.0765	LOD	0.153	LOQ	mg/kg	R	ProfJudg

Sample ID: **DU04-S016-00-01** ***Collected:*** **6/15/2017 3:00:00 PM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	2.34		0.351	LOD	0.702	LOQ	mg/kg	R	ProfJudg
BARIUM	17.8		0.351	LOD	0.702	LOQ	mg/kg	R	ProfJudg
BERYLLIUM	0.221		0.0219	LOD	0.176	LOQ	mg/kg	R	ProfJudg
CADMIUM	0.0309	J	0.0878	LOD	0.176	LOQ	mg/kg	R	RI, ProfJudg
CHROMIUM	6.19		0.351	LOD	0.702	LOQ	mg/kg	R	ProfJudg
COBALT	1.95		0.0878	LOD	0.176	LOQ	mg/kg	R	ProfJudg
COPPER	6.00		0.176	LOD	0.702	LOQ	mg/kg	R	ProfJudg
IRON	6350		17.6	LOD	35.1	LOQ	mg/kg	R	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP34 **Laboratory: LLL**

EDD Filename: APP34-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix: SOIL**

Sample ID: DU04-S016-00-01 **Collected:** 6/15/2017 3:00:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
LEAD	8.46		0.0439	LOD	0.351	LOQ	mg/kg	R	ProfJudg
MAGNESIUM	933		8.78	LOD	35.1	LOQ	mg/kg	R	ProfJudg
MANGANESE	90.7		0.176	LOD	0.702	LOQ	mg/kg	R	ProfJudg
NICKEL	3.98		0.176	LOD	0.702	LOQ	mg/kg	R	ProfJudg
POTASSIUM	494		17.6	LOD	70.2	LOQ	mg/kg	R	ProfJudg
SELENIUM	0.123	J	0.176	LOD	0.702	LOQ	mg/kg	R	RI, ProfJudg
SILVER	0.0439	U	0.0439	LOD	0.176	LOQ	mg/kg	R	ProfJudg
SODIUM	54.1	J	17.6	LOD	70.2	LOQ	mg/kg	R	RI, ProfJudg
THALLIUM	0.0746	J	0.0439	LOD	0.176	LOQ	mg/kg	R	RI, ProfJudg
ZINC	16.4		2.63	LOD	5.27	LOQ	mg/kg	R	ProfJudg

Sample ID: DU04-S016-00-01 **Collected:** 6/15/2017 3:00:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	5600		8.78	LOD	35.1	LOQ	mg/kg	R	ProfJudg
ANTIMONY	0.152	J	0.176	LOD	0.351	LOQ	mg/kg	R	RI, ProfJudg
CALCIUM	1020		35.1	LOD	70.2	LOQ	mg/kg	R	ProfJudg
VANADIUM	14.0		0.0878	LOD	0.176	LOQ	mg/kg	R	ProfJudg

Method Category: METALS

Method: 7471B **Matrix: SOIL**

Sample ID: DU04-S001-00-01 **Collected:** 6/15/2017 12:30:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0105	J	0.0168	LOD	0.101	LOQ	mg/kg	J	RI

Sample ID: DU04-S002-00-01 **Collected:** 6/15/2017 12:40:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0116	J	0.0176	LOD	0.105	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP34 **Laboratory: LLL**

EDD Filename: APP34-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7471B **Matrix: SOIL**

Sample ID: DU04-S004-00-01 **Collected:** 6/15/2017 1:00:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0136	J	0.0172	LOD	0.103	LOQ	mg/kg	J	RI

Sample ID: DU04-S005-00-01 **Collected:** 6/15/2017 1:10:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0136	J	0.0174	LOD	0.104	LOQ	mg/kg	J	RI

Sample ID: DU04-S007-00-01 **Collected:** 6/15/2017 1:30:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0103	J	0.0166	LOD	0.0997	LOQ	mg/kg	J	RI

Sample ID: DU04-S008-00-01 **Collected:** 6/15/2017 1:40:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0240	U	0.0240	LOD	0.144	LOQ	mg/kg	UJ	Fd

Sample ID: DU04-S008-00-01D **Collected:** 6/15/2017 1:40:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0174	J	0.0180	LOD	0.108	LOQ	mg/kg	J	RI, Fd

Sample ID: DU04-S011-00-01 **Collected:** 6/15/2017 2:10:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0105	J	0.0173	LOD	0.104	LOQ	mg/kg	J	RI

Sample ID: DU04-S014-00-01 **Collected:** 6/15/2017 2:40:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0184	J	0.0188	LOD	0.113	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP34 **Laboratory: LLL**

EDD Filename: APP34-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7471B **Matrix: SOIL**

Sample ID: DU04-S015-00-01 **Collected:** 6/15/2017 2:50:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0141	J	0.0182	LOD	0.109	LOQ	mg/kg	J	RI

Sample ID: DU04-S016-00-01 **Collected:** 6/15/2017 3:00:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0253	J	0.0180	LOD	0.108	LOQ	mg/kg	J	RI

Method Category: METALS

Method: Calculation **Matrix: SOIL**

Sample ID: DU04-S001-00-01 **Collected:** 6/15/2017 12:30:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	8.2		0.42	LOD	0.59	LOQ	mg/kg	R	ProfJudg

Sample ID: DU04-S011-00-01 **Collected:** 6/15/2017 2:10:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	8.7	U	8.7	LOD	8.7	LOQ	mg/kg	R	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP34 **Laboratory: LLL**

EDD Filename: APP34-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Reason Code Legend

Reason Code	*Description*
Fd	Field Duplicate Precision
Mb	Method Blank Contamination
ProfJudg	Professional Judgment
RI	Reporting Limit Trace Value

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Field Duplicate RPD Report

Lab Reporting Batch ID: APP34 **Laboratory: LLL**

EDD Filename: APP34-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SOIL

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU04-S008-00-01 (Dry)	DU04-S008-00-01D (Dry)			
ALUMINUM	7590	8660	13	30.00	
ARSENIC	2.94	3.40	15	30.00	
BARIUM	16.7	18.6	11	30.00	
BERYLLIUM	0.345	0.392	13	30.00	
CALCIUM	411	472	14	30.00	
CHROMIUM	9.63	10.7	11	30.00	
COBALT	2.73	3.21	16	30.00	
COPPER	4.17	4.81	14	30.00	
IRON	9230	10600	14	30.00	
LEAD	5.22	5.63	8	30.00	No Qualifiers Applied
MAGNESIUM	1410	1500	6	30.00	
MANGANESE	78.6	87.0	10	30.00	
NICKEL	5.18	5.72	10	30.00	
POTASSIUM	684	688	1	30.00	
SELENIUM	0.269	0.303	12	30.00	
SODIUM	68.2	60.3	12	30.00	
THALLIUM	0.109	0.0889	20	30.00	
VANADIUM	14.9	17.2	14	30.00	
ZINC	15.5	18.2	16	30.00	
ANTIMONY	0.531 U	0.0882	200	30.00	J(all detects)
CADMIUM	0.265 U	0.0480	200	30.00	UJ(all non-detects)

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU04-S003-00-01 (Dry)	DU04-S003-00-01D (Dry)			
ALUMINUM	1960	2240	13	30.00	
ARSENIC	0.798	1.01	23	30.00	
BARIUM	7.28	7.60	4	30.00	
BERYLLIUM	0.100	0.106	6	30.00	
CALCIUM	237	223	6	30.00	
CHROMIUM	2.43	2.87	17	30.00	
COBALT	1.39	1.49	7	30.00	
COPPER	1.61	1.90	17	30.00	
IRON	2560	2940	14	30.00	No Qualifiers Applied
LEAD	2.14	2.04	5	30.00	
MAGNESIUM	365	387	6	30.00	
MANGANESE	35.9	37.9	5	30.00	
NICKEL	1.61	1.73	7	30.00	
POTASSIUM	256	260	2	30.00	
SODIUM	46.1	42.1	9	30.00	
VANADIUM	4.43	5.17	15	30.00	
ZINC	5.02	5.50	9	30.00	
SELENIUM	0.565 U	0.0903	200	30.00	J(all detects)
THALLIUM	0.0236	0.168 U	200	30.00	UJ(all non-detects)

Method: 7471B
Matrix: SOIL

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU04-S008-00-01 (Dry)	DU04-S008-00-01D (Dry)			
MERCURY	0.144 U	0.0174	200	30.00	J(all detects) UJ(all non-detects)

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Reporting Limit Outliers

Lab Reporting Batch ID: APP34 **Laboratory: LLL**

EDD Filename: APP34-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU04-S001-00-01	CADMIUM	J	0.0381	0.147	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.169	0.586	LOQ	mg/kg	
	THALLIUM	J	0.0733	0.147	LOQ	mg/kg	
DU04-S002-00-01	CADMIUM	J	0.0562	0.194	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.191	0.775	LOQ	mg/kg	
	SODIUM	J	66.8	77.5	LOQ	mg/kg	
	THALLIUM	J	0.0932	0.194	LOQ	mg/kg	
DU04-S003-00-01	BERYLLIUM	J	0.100	0.141	LOQ	mg/kg	J (all detects)
	SODIUM	J	46.1	56.5	LOQ	mg/kg	
	THALLIUM	J	0.0236	0.141	LOQ	mg/kg	
DU04-S003-00-01D	BERYLLIUM	J	0.106	0.168	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.0903	0.671	LOQ	mg/kg	
	SODIUM	J	42.1	67.1	LOQ	mg/kg	
DU04-S004-00-01	ANTIMONY	J	0.0972	0.380	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.196	0.760	LOQ	mg/kg	
	SODIUM	J	53.2	76.0	LOQ	mg/kg	
	THALLIUM	J	0.0921	0.190	LOQ	mg/kg	
DU04-S005-00-01	CADMIUM	J	0.0500	0.181	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.236	0.724	LOQ	mg/kg	
	SODIUM	J	58.9	72.4	LOQ	mg/kg	
	THALLIUM	J	0.0703	0.181	LOQ	mg/kg	
DU04-S006-00-01	ARSENIC	J	0.587	0.605	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.0932	0.151	LOQ	mg/kg	
	THALLIUM	J	0.0204	0.151	LOQ	mg/kg	
	ZINC	J	4.21	4.54	LOQ	mg/kg	
DU04-S007-00-01	SELENIUM	J	0.129	0.691	LOQ	mg/kg	J (all detects)
	SODIUM	J	39.2	69.1	LOQ	mg/kg	
	THALLIUM	J	0.0387	0.173	LOQ	mg/kg	
DU04-S008-00-01	SELENIUM	J	0.269	1.06	LOQ	mg/kg	J (all detects)
	SODIUM	J	68.2	106	LOQ	mg/kg	
	THALLIUM	J	0.109	0.265	LOQ	mg/kg	
DU04-S008-00-01D	ANTIMONY	J	0.0882	0.372	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.0480	0.186	LOQ	mg/kg	
	SELENIUM	J	0.303	0.744	LOQ	mg/kg	
	SODIUM	J	60.3	74.4	LOQ	mg/kg	
	THALLIUM	J	0.0889	0.186	LOQ	mg/kg	
DU04-S009-00-01	BERYLLIUM	J	0.222	0.238	LOQ	mg/kg	J (all detects)
	SODIUM	J	73.9	95.1	LOQ	mg/kg	
	THALLIUM	J	0.0402	0.238	LOQ	mg/kg	
DU04-S010-00-01	BERYLLIUM	J	0.108	0.179	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.0936	0.715	LOQ	mg/kg	
	SODIUM	J	55.1	71.5	LOQ	mg/kg	
	THALLIUM	J	0.0264	0.179	LOQ	mg/kg	
DU04-S011-00-01	ANTIMONY	J	0.164	0.353	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.221	0.707	LOQ	mg/kg	
	SILVER	J	0.0576	0.177	LOQ	mg/kg	
	SODIUM	J	49.7	70.7	LOQ	mg/kg	
	THALLIUM	J	0.0684	0.177	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP34 **Laboratory: LLL**

EDD Filename: APP34-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU04-S012-00-01	ANTIMONY	J	0.320	0.376	LOQ	mg/kg	
	CADMIUM	J	0.0572	0.188	LOQ	mg/kg	
	SELENIUM	J	0.121	0.752	LOQ	mg/kg	J (all detects)
	SODIUM	J	47.2	75.2	LOQ	mg/kg	
	THALLIUM	J	0.0540	0.188	LOQ	mg/kg	
DU04-S013-00-01	ANTIMONY	J	0.140	0.341	LOQ	mg/kg	
	SELENIUM	J	0.104	0.682	LOQ	mg/kg	J (all detects)
	SODIUM	J	51.5	68.2	LOQ	mg/kg	
	THALLIUM	J	0.0597	0.170	LOQ	mg/kg	
DU04-S014-00-01	SELENIUM	J	0.215	0.764	LOQ	mg/kg	
	SODIUM	J	48.9	76.4	LOQ	mg/kg	J (all detects)
	THALLIUM	J	0.0566	0.191	LOQ	mg/kg	
DU04-S015-00-01	CADMIUM	J	0.0412	0.153	LOQ	mg/kg	
	SELENIUM	J	0.247	0.612	LOQ	mg/kg	J (all detects)
	SODIUM	J	59.3	61.2	LOQ	mg/kg	
	THALLIUM	J	0.0911	0.153	LOQ	mg/kg	
DU04-S016-00-01	ANTIMONY	J	0.152	0.351	LOQ	mg/kg	
	CADMIUM	J	0.0309	0.176	LOQ	mg/kg	
	SELENIUM	J	0.123	0.702	LOQ	mg/kg	J (all detects)
	SODIUM	J	54.1	70.2	LOQ	mg/kg	
	THALLIUM	J	0.0746	0.176	LOQ	mg/kg	

Method: 7471B

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU04-S001-00-01	MERCURY	J	0.0105	0.101	LOQ	mg/kg	J (all detects)
DU04-S002-00-01	MERCURY	J	0.0116	0.105	LOQ	mg/kg	J (all detects)
DU04-S004-00-01	MERCURY	J	0.0136	0.103	LOQ	mg/kg	J (all detects)
DU04-S005-00-01	MERCURY	J	0.0136	0.104	LOQ	mg/kg	J (all detects)
DU04-S007-00-01	MERCURY	J	0.0103	0.0997	LOQ	mg/kg	J (all detects)
DU04-S008-00-01D	MERCURY	J	0.0174	0.108	LOQ	mg/kg	J (all detects)
DU04-S011-00-01	MERCURY	J	0.0105	0.104	LOQ	mg/kg	J (all detects)
DU04-S014-00-01	MERCURY	J	0.0184	0.113	LOQ	mg/kg	J (all detects)
DU04-S015-00-01	MERCURY	J	0.0141	0.109	LOQ	mg/kg	J (all detects)
DU04-S016-00-01	MERCURY	J	0.0253	0.108	LOQ	mg/kg	J (all detects)

Method Blank Outlier Report

Lab Reporting Batch ID: APP34 **Laboratory: LLL**

EDD Filename: APP34-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**
Matrix: **SOIL**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P17463CB174063703	7/18/2017 1:58:00 PM	ALUMINUM CALCIUM	10.6 mg/kg 26.6 mg/kg	DU04-S015-00-01 DU04-S016-00-01

Lab report reviewed: APP 34 Reviewed by: Steve Szocik 12/14/2017

Solid Data Review Summary for Method SW-846 6020A

The calibration originally reported in APP34 was re-sloped by the analyst without re-analysis of the associated quality control (QC) samples. The anomaly was identified by the laboratory and the results re-submitted with the investigative and QC samples re-calculated using the original calibration data. The samples reported in APP34 were re-digested and re-analyzed and submitted as APP77. All results reported in APP34 are therefore rejected and are should not be used. However, to evaluate other laboratory data that may have been affected by the calibration modification the data in APP34 was evaluated for usability because the magnitude of QC outliers was most significant in APP34. The attached table presents the quality control parameters evaluated.

The laboratory quantitated with a two point calibration utilizing a zero point and a high concentration standard. The majority of the quality control samples analyzed met the project acceptance criteria. There were a few detections in the instrument blanks and interference check standards, but overall the effects were minor and would result in qualification but do not affect the usability of the results.

Three different concentrations of analytical standards and the laboratory control sample (LCS) were evaluated. The initial calibration verification (ICV), continuing calibration verification (CCV), the low level check standard (LLC) and LCS are analyzed at varying concentrations along the calibrated instrument range. The ICVs, CCVs, and LLC do not go through the digestion process and serve as instrument verification without any contribution from the preparation procedure. The analysis of the LCS evaluates the variability of both the analytical and preparation processes. All of the LCS recoveries were within acceptance limits supporting acceptable accuracy for both preparation and analysis at the LCS spiked concentrations.

The ICVs and CCVs serve to measure the accuracy in the middle and the lower end of the calibrated range. The laboratory selected the ICV to be one half the concentrations of the high calibration standard and the CCV at one quarter of the upper calibration standard. Except for aluminum and silver which had minor high outliers, all of the remaining ICV and CCV percent recoveries (%Rs) were acceptable indicating accuracy at concentrations throughout the calibration range.

The LLC is used to verify the accuracy at the limit of quantitation (LOQ) which is the lowest concentration where precision and accuracy is known. The LLC was analyzed at the LOQ for these soil samples. The laboratory used limits of 80-120%R for the LLC. The majority of the LLC %Rs was acceptable however the LLC analyzed on 7/19/2017 exhibited %Rs less than 10%. The laboratory indicated that the LLC analyzed on 7/19/2017 may have been a blank sample and may not be indicative of the accuracy of the analytical system. The LLC from 7/19/2017 was reviewed and was consistent with a blank sample based on the internal standard intensities and the found concentrations. Because the identity of the standard could not be verified, the reported data quality cannot be fully assessed. However the non-compliant LLC appears to be an isolated incident based on the acceptable %Rs of the other LLC samples reported.

All of the instrument and preparation blanks were less than the LOQ. Furthermore, except for aluminum all blank detections were less than the LOD. Aluminum was detected at a concentration between the LOD and LOQ. Detected aluminum results less than the LOQ were

affected and would be J+ qualified with a high bias indicated.

All of the observed detections in the ICSA interferent check for the un-spiked analytes were also less than the LOQ. Except for cobalt all of the ICSA detections were also less than the LOD. Detected sample results greater than the LOQ would not be affected.

All of the observed calibration blank and interferent check standard detections were less than the LOQ and associated to estimated results. Therefore, any qualifications added because of the calibration and blank review would be associated to data already qualified as estimated. The extremely low LLC %Rs for the analyses performed on 7/19/2017 bring into question any sample results with concentrations less than the LCS spike level, but based on the acceptable LLC %Rs for analyses performed on other days the LLC analyzed on 7/19/2017 appears to be an isolated incident and not indicative of a laboratory wide issue.

Table B-1: APP34 Calibration Findings Summary

Analyte	LOQ (mg/kg)	LLC (mg/kg)	LLC %R Range	ICSA Detection (mg/kg)	Highest Blank Value of ICB, CCB (mg/kg)	LCS (mg/kg)	LCS %R	ICV/CCV Spike mg/kg	ICV/CCV %R Range	Assigned Qualifier
Aluminum	40	20	(-1)-100	NA	10.65	200	82	500/250	96-127*	R <LCS, J detects >LCS
Antimony	0.4	0.2	2-88	0.099	<0.093	0.6	97	5/2.5	90-104	R <LCS, none >LCS
Arsenic	0.8	0.4	1.5-112	0.037	<0.13	1	92	50/25	97-105	R <LCS, none >LCS
Barium	0.8	0.4	0-107	0.12	<0.18	5	90	50/25	96-106	R <LCS, none >LCS
Beryllium	0.2	0.1	94-101	0.0003	<0.01	0.4	96	5/2.5	97-99	none
Cadmium	0.2	0.1	(-1)-100	0.014	<0.034	0.5	96	5/2.5	98-102	R <LCS, none >LCS
Calcium	80	40	0-89	NA	26.6	400	110	500/250	90-106	R <LCS, none >LCS
Chromium	0.8	0.4	7-105	0.14	<0.17	5	99	50/25	96-101	R <LCS, none >LCS
Cobalt	0.2	0.1	(-1)-89	0.1	<0.031	25	95	50/25	94-101	R <LCS, none >LCS
Copper	0.8	0.4	0.3 -109	0.081	<0.11	5	96	50/25	93-102	R <LCS, none >LCS
Iron	40	20	(-5)-102	NA	<7.5	100	92	500/250	93-103	R <LCS, none >LCS
Lead	0.4	0.2	102-106.5	0.018	<0.022	1.5	101	5/2.5	102-102	none
Magnesium	40	20	(-0.2)-96	NA	<2.8	200	102	500/250	93-105	R <LCS, none >LCS
Manganese	0.8	0.4	(-4.3) -96	0.26	<0.18	5	85	50/25	97-101	R <LCS, none >LCS
Nickel	0.8	0.4	(-0.5)-95	0.097	<0.2	5	92	50/25	94-100	R <LCS, none >LCS
Potassium	80	40	(-0.5)-93	NA	<10.5	1000	100	500/250	95-101	R <LCS, none >LCS
Selenium	0.8	0.4	101-101	0.002	<0.1	1	101	5/2.5	100-104	none
Silver	0.2	0.1	(-1)-118	0.038	<0.029	5	98	5/2.5	94-112*	R <LCS, J detects >LCS
Sodium	80	40	(-0.7)-104	NA	<10	1000	80	500/250	90-107	R <LCS, none >LCS
Thallium	0.2	0.1	98-100	0.013	<0.025	0.2	90	5/2.5	98-106	none
Vanadium	0.2	0.1	(-2)-104	0.0003	<0.043	5	99	50/25	95-99	R <LCS, none >LCS
Zinc	6	3	0.8-105	0.24	1.01	50	100	50/25	96-101	R <LCS, none >LCS

* = result was outside of control limits
Samples were run on multiple days. The table represents outliers - some samples were not affected. Qualifiers were applied to all samples.

	instrument	
Arsenic	ug/l	mg/kg
LCS	4.573	0.9146

samples	ug/L*0.1L/1g (2dil)
standards	ug/L*0.1L/1g

Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page	1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.		
Laboratory SDG:	APP35		
Date(s) of Collection:	June 15th, 2017		
Number/Type Samples & Analyses:	16 soil samples and 2 field duplicates for a project-specific list of hexavalent chromium and metals		
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA		
Completed:	August 8th, 2017		

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for soil data included in Sample Delivery Group (SDG) APP35. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017.

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✓ Holding times and sample preservation

✓ Laboratory method blank data

✓ Field rinsate blank data

NA Trip blank data

✓ Laboratory control sample (LCS) recoveries

✗ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✓ Surrogate recoveries

✗ Laboratory duplicate results

✗ Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of "J" data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
J+	The result is an estimated quantity, but the result may be biased high.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP35 **Laboratory: LLL**

EDD Filename: APP35-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Validation Area	*Note*
Technical Holding Times	A
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	A
Surrogate/Tracer Spikes	N
Matrix Spike/Matrix Spike Duplicates	SR
Laboratory Duplicates	SR
Laboratory Replicates	N
Laboratory Control Samples	A
Compound Quantitation	SR
Field Duplicates	SR
Field Triplicates	N
Field Blanks	A

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP35 **Laboratory: LLL**

EDD Filename: APP35-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SOIL**

Sample ID: **DU10-S001-00-01** ***Collected:*** **6/15/2017 3:10:00 PM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.176	U	0.176	LOD	0.352	LOQ	mg/kg	UJ	Ms
BARIUM	12.6		0.352	LOD	0.704	LOQ	mg/kg	J+	Ms
BERYLLIUM	0.0473	J	0.0220	LOD	0.176	LOQ	mg/kg	J	Rl
CADMIUM	0.0347	J	0.0880	LOD	0.176	LOQ	mg/kg	J	Rl, Ld
COPPER	1.37		0.176	LOD	0.704	LOQ	mg/kg	J	Ld
IRON	1080		17.6	LOD	35.2	LOQ	mg/kg	J	Ms, Ms
LEAD	7.41		0.0440	LOD	0.352	LOQ	mg/kg	J	Ms, Ms, Ms, Ld
MAGNESIUM	304		8.80	LOD	35.2	LOQ	mg/kg	J	Ms, Ld
POTASSIUM	282		17.6	LOD	70.4	LOQ	mg/kg	J	Ld
SELENIUM	0.446	J	0.176	LOD	0.704	LOQ	mg/kg	J	Rl
SILVER	0.0378	J	0.0440	LOD	0.176	LOQ	mg/kg	J	Rl, Ld
SODIUM	84.4		17.6	LOD	70.4	LOQ	mg/kg	J	Ld
THALLIUM	0.0376	J	0.0440	LOD	0.176	LOQ	mg/kg	J	Rl, Ld
ZINC	3.28	J	2.64	LOD	5.28	LOQ	mg/kg	J	Rl, Ms
ALUMINUM	2830		8.80	LOD	35.2	LOQ	mg/kg	J+	Ms

Sample ID: **DU10-S001-00-01** ***Collected:*** **6/15/2017 3:10:00 PM** ***Analysis Type:*** **Reanalysis-01** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MANGANESE	21.1		0.176	LOD	0.704	LOQ	mg/kg	J+	Ms
VANADIUM	5.61		0.0880	LOD	0.176	LOQ	mg/kg	J+	Ms

Sample ID: **DU10-S002-00-01** ***Collected:*** **6/15/2017 3:12:00 PM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.321	J	0.274	LOD	0.548	LOQ	mg/kg	J	Rl
BERYLLIUM	0.0632	J	0.0343	LOD	0.274	LOQ	mg/kg	J	Rl
CADMIUM	0.0978	J	0.137	LOD	0.274	LOQ	mg/kg	J	Rl
SELENIUM	0.505	J	0.274	LOD	1.10	LOQ	mg/kg	J	Rl
SILVER	0.101	J	0.0686	LOD	0.274	LOQ	mg/kg	J	Rl
THALLIUM	0.0545	J	0.0686	LOD	0.274	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP35 **Laboratory: LLL**

EDD Filename: APP35-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SOIL**

Sample ID: **DU10-S003-00-01** ***Collected:*** **6/15/2017 3:14:00 PM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.253	U	0.253	LOD	0.506	LOQ	mg/kg	UJ	Fd
BARIUM	8.13		0.506	LOD	1.01	LOQ	mg/kg	J	Fd
BERYLLIUM	0.0494	J	0.0316	LOD	0.253	LOQ	mg/kg	J	Rl
CADMIUM	0.0623	J	0.126	LOD	0.253	LOQ	mg/kg	J	Rl, Fd
CALCIUM	260		50.6	LOD	101	LOQ	mg/kg	J	Fd
CHROMIUM	4.98		0.506	LOD	1.01	LOQ	mg/kg	J	Fd
COBALT	0.164	J	0.126	LOD	0.253	LOQ	mg/kg	J	Rl
COPPER	1.22		0.253	LOD	1.01	LOQ	mg/kg	J	Fd
LEAD	10.3		0.0632	LOD	0.506	LOQ	mg/kg	J	Fd
POTASSIUM	271		25.3	LOD	101	LOQ	mg/kg	J	Fd
SELENIUM	0.575	J	0.253	LOD	1.01	LOQ	mg/kg	J	Rl
SILVER	0.0632	U	0.0632	LOD	0.253	LOQ	mg/kg	UJ	Fd
SODIUM	115		25.3	LOD	101	LOQ	mg/kg	J	Fd
THALLIUM	0.0527	J	0.0632	LOD	0.253	LOQ	mg/kg	J	Rl
ZINC	5.05	J	3.79	LOD	7.59	LOQ	mg/kg	J	Rl

Sample ID: **DU10-S003-00-01D** ***Collected:*** **6/15/2017 3:14:00 PM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.216	J	0.385	LOD	0.771	LOQ	mg/kg	J	Rl, Fd
ARSENIC	1.27	J	0.771	LOD	1.54	LOQ	mg/kg	J	Rl
BARIUM	12.2		0.771	LOD	1.54	LOQ	mg/kg	J	Fd
BERYLLIUM	0.0392	J	0.0482	LOD	0.385	LOQ	mg/kg	J	Rl
CADMIUM	0.193	U	0.193	LOD	0.385	LOQ	mg/kg	UJ	Fd
CALCIUM	395		77.1	LOD	154	LOQ	mg/kg	J	Fd
CHROMIUM	3.60		0.771	LOD	1.54	LOQ	mg/kg	J	Fd
COBALT	0.177	J	0.193	LOD	0.385	LOQ	mg/kg	J	Rl
COPPER	2.29		0.385	LOD	1.54	LOQ	mg/kg	J	Fd
LEAD	24.5		0.0963	LOD	0.771	LOQ	mg/kg	J	Fd
NICKEL	1.49	J	0.385	LOD	1.54	LOQ	mg/kg	J	Rl
POTASSIUM	381		38.5	LOD	154	LOQ	mg/kg	J	Fd
SELENIUM	0.437	J	0.385	LOD	1.54	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP35 **Laboratory: LLL**

EDD Filename: APP35-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SOIL**

Sample ID: **DU10-S003-00-01D** ***Collected:*** **6/15/2017 3:14:00 PM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SILVER	0.0567	J	0.0963	LOD	0.385	LOQ	mg/kg	J	Rl, Fd
SODIUM	267		38.5	LOD	154	LOQ	mg/kg	J	Fd
THALLIUM	0.0513	J	0.0963	LOD	0.385	LOQ	mg/kg	J	Rl
ZINC	6.07	J	5.78	LOD	11.6	LOQ	mg/kg	J	Rl

Sample ID: **DU10-S004-00-01** ***Collected:*** **6/15/2017 3:16:00 PM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.0871	J	0.185	LOD	0.371	LOQ	mg/kg	J	Rl
BERYLLIUM	0.0859	J	0.0232	LOD	0.185	LOQ	mg/kg	J	Rl
CADMIUM	0.0684	J	0.0927	LOD	0.185	LOQ	mg/kg	J	Rl
SILVER	0.0522	J	0.0463	LOD	0.185	LOQ	mg/kg	J	Rl
SODIUM	43.4	J	18.5	LOD	74.1	LOQ	mg/kg	J	Rl
THALLIUM	0.0478	J	0.0463	LOD	0.185	LOQ	mg/kg	J	Rl

Sample ID: **DU10-S005-00-01** ***Collected:*** **6/15/2017 3:18:00 PM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.654	J	0.524	LOD	1.05	LOQ	mg/kg	J	Rl
BERYLLIUM	0.198	J	0.0654	LOD	0.524	LOQ	mg/kg	J	Rl
CADMIUM	0.0996	J	0.262	LOD	0.524	LOQ	mg/kg	J	Rl
SELENIUM	1.79	J	0.524	LOD	2.09	LOQ	mg/kg	J	Rl
SILVER	0.138	J	0.131	LOD	0.524	LOQ	mg/kg	J	Rl
THALLIUM	0.0737	J	0.131	LOD	0.524	LOQ	mg/kg	J	Rl

Sample ID: **DU10-S006-00-01** ***Collected:*** **6/15/2017 3:20:00 PM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.14	J	1.35	LOD	2.71	LOQ	mg/kg	J	Rl
BERYLLIUM	0.216	J	0.0846	LOD	0.677	LOQ	mg/kg	J	Rl
COBALT	0.255	J	0.339	LOD	0.677	LOQ	mg/kg	J	Rl
NICKEL	2.58	J	0.677	LOD	2.71	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP35 **Laboratory: LLL**

EDD Filename: APP35-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SOIL**

Sample ID: **DU10-S006-00-01** ***Collected:*** **6/15/2017 3:20:00 PM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
POTASSIUM	112	J	67.7	LOD	271	LOQ	mg/kg	J	RI
SELENIUM	2.41	J	0.677	LOD	2.71	LOQ	mg/kg	J	RI
SODIUM	161	J	67.7	LOD	271	LOQ	mg/kg	J	RI
ZINC	5.04	J	10.2	LOD	20.3	LOQ	mg/kg	J	RI

Sample ID: **DU10-S007-00-01** ***Collected:*** **6/15/2017 3:22:00 PM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	1.02	J	0.734	LOD	1.47	LOQ	mg/kg	J	RI
ARSENIC	1.99	J	1.47	LOD	2.94	LOQ	mg/kg	J	RI
BERYLLIUM	0.124	J	0.0917	LOD	0.734	LOQ	mg/kg	J	RI
CADMIUM	0.158	J	0.367	LOD	0.734	LOQ	mg/kg	J	RI
SELENIUM	1.59	J	0.734	LOD	2.94	LOQ	mg/kg	J	RI
SILVER	0.200	J	0.183	LOD	0.734	LOQ	mg/kg	J	RI
ZINC	20.1	J	11.0	LOD	22.0	LOQ	mg/kg	J	RI

Sample ID: **DU10-S008-00-01** ***Collected:*** **6/15/2017 3:24:00 PM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.271	J	0.450	LOD	0.901	LOQ	mg/kg	J	RI
ARSENIC	1.02	J	0.901	LOD	1.80	LOQ	mg/kg	J	RI
BERYLLIUM	0.153	J	0.0563	LOD	0.450	LOQ	mg/kg	J	RI
CADMIUM	0.103	J	0.225	LOD	0.450	LOQ	mg/kg	J	RI
SILVER	0.111	J	0.113	LOD	0.450	LOQ	mg/kg	J	RI
ZINC	11.0	J	6.76	LOD	13.5	LOQ	mg/kg	J	RI

Sample ID: **DU10-S009-00-01** ***Collected:*** **6/15/2017 3:26:00 PM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.121	J	0.258	LOD	0.517	LOQ	mg/kg	J	RI, Fd
BERYLLIUM	0.0549	J	0.0323	LOD	0.258	LOQ	mg/kg	J	RI, Fd
COBALT	0.128	J	0.129	LOD	0.258	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP35 **Laboratory: LLL**

EDD Filename: APP35-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU10-S009-00-01 **Collected:** 6/15/2017 3:26:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NICKEL	1.19		0.258	LOD	1.03	LOQ	mg/kg	J	Fd
SELENIUM	0.435	J	0.258	LOD	1.03	LOQ	mg/kg	J	Rl
SILVER	0.0646	U	0.0646	LOD	0.258	LOQ	mg/kg	UJ	Fd
THALLIUM	0.0449	J	0.0646	LOD	0.258	LOQ	mg/kg	J	Rl
ZINC	4.47	J	3.87	LOD	7.75	LOQ	mg/kg	J	Rl

Sample ID: DU10-S009-00-01D **Collected:** 6/15/2017 3:26:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.246	U	0.246	LOD	0.493	LOQ	mg/kg	UJ	Fd
ARSENIC	0.952	J	0.493	LOD	0.985	LOQ	mg/kg	J	Rl
BERYLLIUM	0.0378	J	0.0308	LOD	0.246	LOQ	mg/kg	J	Rl, Fd
COBALT	0.149	J	0.123	LOD	0.246	LOQ	mg/kg	J	Rl
NICKEL	0.841	J	0.246	LOD	0.985	LOQ	mg/kg	J	Rl, Fd
SELENIUM	0.367	J	0.246	LOD	0.985	LOQ	mg/kg	J	Rl
SILVER	0.0501	J	0.0616	LOD	0.246	LOQ	mg/kg	J	Rl, Fd
THALLIUM	0.0398	J	0.0616	LOD	0.246	LOQ	mg/kg	J	Rl
ZINC	4.32	J	3.69	LOD	7.39	LOQ	mg/kg	J	Rl

Sample ID: DU10-S010-00-01 **Collected:** 6/15/2017 3:28:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.376	J	0.458	LOD	0.916	LOQ	mg/kg	J	Rl
BERYLLIUM	0.0702	J	0.0573	LOD	0.458	LOQ	mg/kg	J	Rl
SELENIUM	1.23	J	0.458	LOD	1.83	LOQ	mg/kg	J	Rl
SILVER	0.101	J	0.115	LOD	0.458	LOQ	mg/kg	J	Rl

Sample ID: DU10-S011-00-01 **Collected:** 6/15/2017 3:30:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.716	J	0.476	LOD	0.953	LOQ	mg/kg	J	Rl
BERYLLIUM	0.126	J	0.0595	LOD	0.476	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP35 **Laboratory: LLL**

EDD Filename: APP35-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU10-S011-00-01 **Collected:** 6/15/2017 3:30:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.119	J	0.238	LOD	0.476	LOQ	mg/kg	J	RI
SILVER	0.156	J	0.119	LOD	0.476	LOQ	mg/kg	J	RI
ZINC	12.6	J	7.15	LOD	14.3	LOQ	mg/kg	J	RI

Sample ID: DU10-S012-00-01 **Collected:** 6/15/2017 3:32:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.33	J	1.55	LOD	3.11	LOQ	mg/kg	J	RI
BERYLLIUM	0.249	J	0.0971	LOD	0.777	LOQ	mg/kg	J	RI
COBALT	0.598	J	0.388	LOD	0.777	LOQ	mg/kg	J	RI
NICKEL	3.08	J	0.777	LOD	3.11	LOQ	mg/kg	J	RI
POTASSIUM	137	J	77.7	LOD	311	LOQ	mg/kg	J	RI
SELENIUM	1.83	J	0.777	LOD	3.11	LOQ	mg/kg	J	RI
SODIUM	142	J	77.7	LOD	311	LOQ	mg/kg	J	RI
ZINC	12.6	J	11.6	LOD	23.3	LOQ	mg/kg	J	RI

Sample ID: DU10-S013-00-01 **Collected:** 6/15/2017 3:34:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.174	J	0.239	LOD	0.478	LOQ	mg/kg	J	RI
BERYLLIUM	0.0905	J	0.0299	LOD	0.239	LOQ	mg/kg	J	RI
CADMIUM	0.0419	J	0.120	LOD	0.239	LOQ	mg/kg	J	RI
SELENIUM	0.720	J	0.239	LOD	0.956	LOQ	mg/kg	J	RI
SILVER	0.0714	J	0.0598	LOD	0.239	LOQ	mg/kg	J	RI
SODIUM	78.7	J	23.9	LOD	95.6	LOQ	mg/kg	J	RI
THALLIUM	0.0595	J	0.0598	LOD	0.239	LOQ	mg/kg	J	RI

Sample ID: DU10-S014-00-01 **Collected:** 6/15/2017 3:36:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.489	J	0.393	LOD	0.786	LOQ	mg/kg	J	RI
BERYLLIUM	0.157	J	0.0491	LOD	0.393	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP35 **Laboratory: LLL**

EDD Filename: APP35-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix: SOIL**

Sample ID: DU10-S014-00-01 **Collected:** 6/15/2017 3:36:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0985	J	0.197	LOD	0.393	LOQ	mg/kg	J	RI
SILVER	0.119	J	0.0983	LOD	0.393	LOQ	mg/kg	J	RI
THALLIUM	0.0559	J	0.0983	LOD	0.393	LOQ	mg/kg	J	RI
ZINC	11.5	J	5.90	LOD	11.8	LOQ	mg/kg	J	RI

Sample ID: DU10-S015-00-01 **Collected:** 6/15/2017 3:38:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.14	J	1.23	LOD	2.45	LOQ	mg/kg	J	RI
CADMIUM	0.195	J	0.306	LOD	0.613	LOQ	mg/kg	J	RI
ZINC	15.1	J	9.19	LOD	18.4	LOQ	mg/kg	J	RI

Sample ID: DU10-S016-00-01 **Collected:** 6/15/2017 3:40:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.16	J	1.36	LOD	2.72	LOQ	mg/kg	J	RI
BERYLLIUM	0.209	J	0.0851	LOD	0.681	LOQ	mg/kg	J	RI
CADMIUM	0.128	J	0.341	LOD	0.681	LOQ	mg/kg	J	RI
COBALT	0.294	J	0.341	LOD	0.681	LOQ	mg/kg	J	RI
SELENIUM	2.30	J	0.681	LOD	2.72	LOQ	mg/kg	J	RI
ZINC	11.8	J	10.2	LOD	20.4	LOQ	mg/kg	J	RI

Method Category: METALS

Method: 7471B **Matrix: SOIL**

Sample ID: DU10-S001-00-01 **Collected:** 6/15/2017 3:10:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0373	J	0.0204	LOD	0.123	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP35 **Laboratory: LLL**

EDD Filename: APP35-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7471B **Matrix: SOIL**

Sample ID: DU10-S002-00-01 **Collected:** 6/15/2017 3:12:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0546	J	0.0226	LOD	0.135	LOQ	mg/kg	J	RI

Sample ID: DU10-S003-00-01 **Collected:** 6/15/2017 3:14:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0476	J	0.0225	LOD	0.135	LOQ	mg/kg	J	RI, Fd

Sample ID: DU10-S003-00-01D **Collected:** 6/15/2017 3:14:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0737	J	0.0308	LOD	0.185	LOQ	mg/kg	J	RI, Fd

Sample ID: DU10-S004-00-01 **Collected:** 6/15/2017 3:16:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.124	J	0.0216	LOD	0.130	LOQ	mg/kg	J	RI

Sample ID: DU10-S006-00-01 **Collected:** 6/15/2017 3:20:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.327	J	0.0550	LOD	0.330	LOQ	mg/kg	J	RI

Sample ID: DU10-S007-00-01 **Collected:** 6/15/2017 3:22:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.289	J	0.0636	LOD	0.382	LOQ	mg/kg	J	RI

Sample ID: DU10-S008-00-01 **Collected:** 6/15/2017 3:24:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.285	J	0.0541	LOD	0.325	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP35 **Laboratory: LLL**

EDD Filename: APP35-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7471B **Matrix:** SOIL

Sample ID: DU10-S009-00-01 **Collected:** 6/15/2017 3:26:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0635	J	0.0225	LOD	0.135	LOQ	mg/kg	J	RI

Sample ID: DU10-S009-00-01D **Collected:** 6/15/2017 3:26:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0525	J	0.0203	LOD	0.122	LOQ	mg/kg	J	RI

Sample ID: DU10-S010-00-01 **Collected:** 6/15/2017 3:28:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.228	J	0.0389	LOD	0.234	LOQ	mg/kg	J	RI

Sample ID: DU10-S012-00-01 **Collected:** 6/15/2017 3:32:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.178	J	0.0622	LOD	0.373	LOQ	mg/kg	J	RI

Sample ID: DU10-S013-00-01 **Collected:** 6/15/2017 3:34:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0888	J	0.0233	LOD	0.140	LOQ	mg/kg	J	RI

Sample ID: DU10-S015-00-01 **Collected:** 6/15/2017 3:38:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.213	J	0.0627	LOD	0.376	LOQ	mg/kg	J	RI

Sample ID: DU10-S016-00-01 **Collected:** 6/15/2017 3:40:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.173	J	0.0602	LOD	0.361	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP35 **Laboratory: LLL**

EDD Filename: APP35-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP35 **Laboratory: LLL**

EDD Filename: APP35-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Reason Code Legend

Reason Code	*Description*
Fd	Field Duplicate Precision
Ld	Laboratory Duplicate Precision
Ms	Matrix Spike Lower Estimation
Ms	Matrix Spike Precision
Ms	Matrix Spike Upper Estimation
Rl	Reporting Limit Trace Value

* denotes a non-reportable result

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP35 **Laboratory: LLL**

EDD Filename: APP35-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**
Matrix: **SOIL**

QC Sample ID (Associated Samples)	*Compound*	*MS %R*	*MSD %R*	*%R Limits*	*RPD (Limits)*	*Affected Compounds*	*Flag*
DU10-S001-00-01MS (Wet) DU10-S001-00-01MSD (Wet) (DU10-S001-00-01)	ANTIMONY IRON LEAD MAGNESIUM	- 309 179 -	- - 48 -	72.00-124.00 81.00-124.00 84.00-118.00 80.00-123.00	26 (20.00) 33 (20.00) 44 (20.00) 28 (20.00)	ANTIMONY IRON LEAD MAGNESIUM	J (all detects) UJ (all non-detects)
DU10-S001-00-01MS (Wet) DU10-S001-00-01MSD (Wet) (DU10-S001-00-01)	ALUMINUM BARIUM MANGANESE VANADIUM ZINC	458 125 206 120 195	515 - 191 - 197	78.00-124.00 86.00-116.00 85.00-116.00 82.00-116.00 82.00-119.00	- - - - -	ALUMINUM BARIUM MANGANESE VANADIUM ZINC	J+(all detects)

Lab Duplicate Outlier Report

Lab Reporting Batch ID: APP35 **Laboratory: LLL**

EDD Filename: APP35-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SOIL

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
DU10-S001-00-01DUP (Wet) (DU10-S001-00-01)	CADMIUM	200	20.00	
	COPPER	28	20.00	
	LEAD	21	20.00	
	MAGNESIUM	22	20.00	J (all detects)
	POTASSIUM	39	20.00	UJ (all non-detects)
	SILVER	200	20.00	
	SODIUM	53	20.00	
	THALLIUM	49	20.00	

Field Duplicate RPD Report

Lab Reporting Batch ID: APP35 **Laboratory: LLL**

EDD Filename: APP35-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SOIL

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU10-S009-00-01 (Dry)	DU10-S009-00-01D (Dry)			
ALUMINUM	2210	1990	10	30.00	
ARSENIC	1.14	0.952	18	30.00	
BARIUM	17.2	15.9	8	30.00	
CALCIUM	259	242	7	30.00	
CHROMIUM	2.09	2.04	2	30.00	
COBALT	0.128	0.149	15	30.00	
COPPER	1.34	1.51	12	30.00	
IRON	1040	867	18	30.00	
LEAD	9.20	8.34	10	30.00	No Qualifiers Applied
MAGNESIUM	156	179	14	30.00	
MANGANESE	17.2	17.6	2	30.00	
POTASSIUM	411	443	7	30.00	
SELENIUM	0.435	0.367	17	30.00	
SODIUM	228	204	11	30.00	
THALLIUM	0.0449	0.0398	12	30.00	
VANADIUM	3.68	3.24	13	30.00	
ZINC	4.47	4.32	3	30.00	
ANTIMONY	0.121	0.493 U	200	30.00	
BERYLLIUM	0.0549	0.0378	37	30.00	J(all detects)
NICKEL	1.19	0.841	34	30.00	UJ(all non-detects)
SILVER	0.258 U	0.0501	200	30.00	

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU10-S003-00-01 (Dry)	DU10-S003-00-01D (Dry)			
ALUMINUM	3690	2780	28	30.00	
ARSENIC	1.21	1.27	5	30.00	
BERYLLIUM	0.0494	0.0392	23	30.00	
COBALT	0.164	0.177	8	30.00	
IRON	947	1070	12	30.00	
MAGNESIUM	216	227	5	30.00	
MANGANESE	20.3	16.7	19	30.00	No Qualifiers Applied
NICKEL	1.22	1.49	20	30.00	
SELENIUM	0.575	0.437	27	30.00	
THALLIUM	0.0527	0.0513	3	30.00	
VANADIUM	7.04	6.11	14	30.00	
ZINC	5.05	6.07	18	30.00	
ANTIMONY	0.506 U	0.216	200	30.00	
BARIUM	8.13	12.2	40	30.00	
CADMIUM	0.0623	0.385 U	200	30.00	
CALCIUM	260	395	41	30.00	
CHROMIUM	4.98	3.60	32	30.00	J(all detects)
COPPER	1.22	2.29	61	30.00	UJ(all non-detects)
LEAD	10.3	24.5	82	30.00	
POTASSIUM	271	381	34	30.00	
SILVER	0.253 U	0.0567	200	30.00	
SODIUM	115	267	80	30.00	

Field Duplicate RPD Report

Lab Reporting Batch ID: APP35 **Laboratory: LLL**

EDD Filename: APP35-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 7471B
Matrix: SOIL

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU10-S009-00-01 (Dry)	DU10-S009-00-01D (Dry)			
MERCURY	0.0635	0.0525	19	30.00	No Qualifiers Applied

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU10-S003-00-01 (Dry)	DU10-S003-00-01D (Dry)			
MERCURY	0.0476	0.0737	43	30.00	J(all detects) UJ(all non-detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP35 **Laboratory: LLL**

EDD Filename: APP35-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU10-S001-00-01	BERYLLIUM	J	0.0473	0.176	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.0347	0.176	LOQ	mg/kg	
	SELENIUM	J	0.446	0.704	LOQ	mg/kg	
	SILVER	J	0.0378	0.176	LOQ	mg/kg	
	THALLIUM	J	0.0376	0.176	LOQ	mg/kg	
	ZINC	J	3.28	5.28	LOQ	mg/kg	
DU10-S002-00-01	ANTIMONY	J	0.321	0.548	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.0632	0.274	LOQ	mg/kg	
	CADMIUM	J	0.0978	0.274	LOQ	mg/kg	
	SELENIUM	J	0.505	1.10	LOQ	mg/kg	
	SILVER	J	0.101	0.274	LOQ	mg/kg	
	THALLIUM	J	0.0545	0.274	LOQ	mg/kg	
DU10-S003-00-01	BERYLLIUM	J	0.0494	0.253	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.0623	0.253	LOQ	mg/kg	
	COBALT	J	0.164	0.253	LOQ	mg/kg	
	SELENIUM	J	0.575	1.01	LOQ	mg/kg	
	THALLIUM	J	0.0527	0.253	LOQ	mg/kg	
	ZINC	J	5.05	7.59	LOQ	mg/kg	
DU10-S003-00-01D	ANTIMONY	J	0.216	0.771	LOQ	mg/kg	J (all detects)
	ARSENIC	J	1.27	1.54	LOQ	mg/kg	
	BERYLLIUM	J	0.0392	0.385	LOQ	mg/kg	
	COBALT	J	0.177	0.385	LOQ	mg/kg	
	NICKEL	J	1.49	1.54	LOQ	mg/kg	
	SELENIUM	J	0.437	1.54	LOQ	mg/kg	
	SILVER	J	0.0567	0.385	LOQ	mg/kg	
	THALLIUM	J	0.0513	0.385	LOQ	mg/kg	
	ZINC	J	6.07	11.6	LOQ	mg/kg	
DU10-S004-00-01	ANTIMONY	J	0.0871	0.371	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.0859	0.185	LOQ	mg/kg	
	CADMIUM	J	0.0684	0.185	LOQ	mg/kg	
	SILVER	J	0.0522	0.185	LOQ	mg/kg	
	SODIUM	J	43.4	74.1	LOQ	mg/kg	
	THALLIUM	J	0.0478	0.185	LOQ	mg/kg	
DU10-S005-00-01	ANTIMONY	J	0.654	1.05	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.198	0.524	LOQ	mg/kg	
	CADMIUM	J	0.0996	0.524	LOQ	mg/kg	
	SELENIUM	J	1.79	2.09	LOQ	mg/kg	
	SILVER	J	0.138	0.524	LOQ	mg/kg	
	THALLIUM	J	0.0737	0.524	LOQ	mg/kg	
DU10-S006-00-01	ARSENIC	J	1.14	2.71	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.216	0.677	LOQ	mg/kg	
	COBALT	J	0.255	0.677	LOQ	mg/kg	
	NICKEL	J	2.58	2.71	LOQ	mg/kg	
	POTASSIUM	J	112	271	LOQ	mg/kg	
	SELENIUM	J	2.41	2.71	LOQ	mg/kg	
	SODIUM	J	161	271	LOQ	mg/kg	
	ZINC	J	5.04	20.3	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP35 **Laboratory: LLL**

EDD Filename: APP35-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU10-S007-00-01	ANTIMONY	J	1.02	1.47	LOQ	mg/kg	
	ARSENIC	J	1.99	2.94	LOQ	mg/kg	
	BERYLLIUM	J	0.124	0.734	LOQ	mg/kg	
	CADMIUM	J	0.158	0.734	LOQ	mg/kg	J (all detects)
	SELENIUM	J	1.59	2.94	LOQ	mg/kg	
	SILVER	J	0.200	0.734	LOQ	mg/kg	
	ZINC	J	20.1	22.0	LOQ	mg/kg	
DU10-S008-00-01	ANTIMONY	J	0.271	0.901	LOQ	mg/kg	
	ARSENIC	J	1.02	1.80	LOQ	mg/kg	
	BERYLLIUM	J	0.153	0.450	LOQ	mg/kg	
	CADMIUM	J	0.103	0.450	LOQ	mg/kg	J (all detects)
	SILVER	J	0.111	0.450	LOQ	mg/kg	
	ZINC	J	11.0	13.5	LOQ	mg/kg	
DU10-S009-00-01	ANTIMONY	J	0.121	0.517	LOQ	mg/kg	
	BERYLLIUM	J	0.0549	0.258	LOQ	mg/kg	
	COBALT	J	0.128	0.258	LOQ	mg/kg	
	SELENIUM	J	0.435	1.03	LOQ	mg/kg	J (all detects)
	THALLIUM	J	0.0449	0.258	LOQ	mg/kg	
	ZINC	J	4.47	7.75	LOQ	mg/kg	
DU10-S009-00-01D	ARSENIC	J	0.952	0.985	LOQ	mg/kg	
	BERYLLIUM	J	0.0378	0.246	LOQ	mg/kg	
	COBALT	J	0.149	0.246	LOQ	mg/kg	
	NICKEL	J	0.841	0.985	LOQ	mg/kg	
	SELENIUM	J	0.367	0.985	LOQ	mg/kg	J (all detects)
	SILVER	J	0.0501	0.246	LOQ	mg/kg	
	THALLIUM	J	0.0398	0.246	LOQ	mg/kg	
	ZINC	J	4.32	7.39	LOQ	mg/kg	
DU10-S010-00-01	ANTIMONY	J	0.376	0.916	LOQ	mg/kg	
	BERYLLIUM	J	0.0702	0.458	LOQ	mg/kg	
	SELENIUM	J	1.23	1.83	LOQ	mg/kg	J (all detects)
	SILVER	J	0.101	0.458	LOQ	mg/kg	
DU10-S011-00-01	ANTIMONY	J	0.716	0.953	LOQ	mg/kg	
	BERYLLIUM	J	0.126	0.476	LOQ	mg/kg	
	CADMIUM	J	0.119	0.476	LOQ	mg/kg	J (all detects)
	SILVER	J	0.156	0.476	LOQ	mg/kg	
	ZINC	J	12.6	14.3	LOQ	mg/kg	
DU10-S012-00-01	ARSENIC	J	1.33	3.11	LOQ	mg/kg	
	BERYLLIUM	J	0.249	0.777	LOQ	mg/kg	
	COBALT	J	0.598	0.777	LOQ	mg/kg	
	NICKEL	J	3.08	3.11	LOQ	mg/kg	
	POTASSIUM	J	137	311	LOQ	mg/kg	J (all detects)
	SELENIUM	J	1.83	3.11	LOQ	mg/kg	
	SODIUM	J	142	311	LOQ	mg/kg	
	ZINC	J	12.6	23.3	LOQ	mg/kg	
DU10-S013-00-01	ANTIMONY	J	0.174	0.478	LOQ	mg/kg	
	BERYLLIUM	J	0.0905	0.239	LOQ	mg/kg	
	CADMIUM	J	0.0419	0.239	LOQ	mg/kg	
	SELENIUM	J	0.720	0.956	LOQ	mg/kg	J (all detects)
	SILVER	J	0.0714	0.239	LOQ	mg/kg	
	SODIUM	J	78.7	95.6	LOQ	mg/kg	
	THALLIUM	J	0.0595	0.239	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP35 **Laboratory: LLL**

EDD Filename: APP35-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU10-S014-00-01	ANTIMONY	J	0.489	0.786	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.157	0.393	LOQ	mg/kg	
	CADMIUM	J	0.0985	0.393	LOQ	mg/kg	
	SILVER	J	0.119	0.393	LOQ	mg/kg	
	THALLIUM	J	0.0559	0.393	LOQ	mg/kg	
	ZINC	J	11.5	11.8	LOQ	mg/kg	
DU10-S015-00-01	ARSENIC	J	1.14	2.45	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.195	0.613	LOQ	mg/kg	
	ZINC	J	15.1	18.4	LOQ	mg/kg	
DU10-S016-00-01	ARSENIC	J	1.16	2.72	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.209	0.681	LOQ	mg/kg	
	CADMIUM	J	0.128	0.681	LOQ	mg/kg	
	COBALT	J	0.294	0.681	LOQ	mg/kg	
	SELENIUM	J	2.30	2.72	LOQ	mg/kg	
	ZINC	J	11.8	20.4	LOQ	mg/kg	

Method: 7471B

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU10-S001-00-01	MERCURY	J	0.0373	0.123	LOQ	mg/kg	J (all detects)
DU10-S002-00-01	MERCURY	J	0.0546	0.135	LOQ	mg/kg	J (all detects)
DU10-S003-00-01	MERCURY	J	0.0476	0.135	LOQ	mg/kg	J (all detects)
DU10-S003-00-01D	MERCURY	J	0.0737	0.185	LOQ	mg/kg	J (all detects)
DU10-S004-00-01	MERCURY	J	0.124	0.130	LOQ	mg/kg	J (all detects)
DU10-S006-00-01	MERCURY	J	0.327	0.330	LOQ	mg/kg	J (all detects)
DU10-S007-00-01	MERCURY	J	0.289	0.382	LOQ	mg/kg	J (all detects)
DU10-S008-00-01	MERCURY	J	0.285	0.325	LOQ	mg/kg	J (all detects)
DU10-S009-00-01	MERCURY	J	0.0635	0.135	LOQ	mg/kg	J (all detects)
DU10-S009-00-01D	MERCURY	J	0.0525	0.122	LOQ	mg/kg	J (all detects)
DU10-S010-00-01	MERCURY	J	0.228	0.234	LOQ	mg/kg	J (all detects)
DU10-S012-00-01	MERCURY	J	0.178	0.373	LOQ	mg/kg	J (all detects)
DU10-S013-00-01	MERCURY	J	0.0888	0.140	LOQ	mg/kg	J (all detects)
DU10-S015-00-01	MERCURY	J	0.213	0.376	LOQ	mg/kg	J (all detects)
DU10-S016-00-01	MERCURY	J	0.173	0.361	LOQ	mg/kg	J (all detects)

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Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page 1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.	
Laboratory SDG:	APP36	
Date(s) of Collection:	June 15th, 2017	
Number/Type Samples & Analyses:	18 soil samples plus 3 MS/MSD and 2 field duplicates for a project-specific list of SVOCs, PAHs, hexavalent chromium and metals	
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA	
Completed:	November 21, 2017	

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for soil data included in Sample Delivery Group (SDG) APP36. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017.

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✓ Holding times and sample preservation

✓ Laboratory method blank data

✗ Field rinsate blank data

NA Trip blank data

✓ Laboratory control sample (LCS) recoveries

✗ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✓ Surrogate recoveries

✗ Laboratory duplicate results

✗ Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

- ✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.
- ✓ Spot-check of "J" data, reported below the RL, as reported in the ADR.
- ✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

All the soil samples were run for regular 8270 and 8270 SIM. The final results will be presented in 8270 SIM.

DU07-S005-00-01 had low surrogate recoveries in method 8270D. The sample was re-extracted outside method holding time and the surrogate recoveries were acceptable. Both initial and re-analysis results are comparable and initial results will be presented as the final results.

DU07-S011-00-01 had low surrogate recoveries in method 8270D SIM. The sample was re-extracted outside method holding time and the surrogate recoveries were acceptable. Both initial and re-analysis results are comparable and initial results will be presented as the final results.

These 8270D SIM samples were re-extracted and re-analyzed because target analytes (chrysene and pyrene) were detected in the method blank: DU07-S011-01-03 and DU07-S005-01-02D. The re-extract was outside the method required holding time. The initial results will be presented.

Samples DU07-S005-01-02D, DU07-S011-01-03, DU07-S010-00-01 were analyzed for 8270D SIM however the SECC exceeded the +/- 50% of the expected value from the ICAL. Sample and the SECC were analyzed and the SECC was once again outside the limits which indicated a matrix effect. Both set of results are comparable. The initial results will be presented.

The prep technician failed to spike the LCS/MS/MSD with both the LCS mix #1 (includes all of the analytes requested for the project) and BNA surrogate mix. The LCS/MS/MSD was only spiked with LCS mix #1 and not with the surrogates; other samples and the blank were correctly spiked with the surrogate mix for sample DU07-S006-01-03 in method 8270D. The re-extract was outside the method holding time and the QC was acceptable. Both initial and re-analysis results are comparable and initial results will be presented as the final results.

The PAH SIM blank was prepared with the internal standard (IS) mix that is normally used for regular 8270 for one extraction batch for sample DU07-S006-01-03; this puts the internal standards at 20x too high for four of the 6 internal standards that used for SIM. The four internal standards are: Napthalene-d8, Acenaphthene-d10, Phenanthrene-d10, and Perylene-d12. The PAH compounds not affected by these IS are: pyrene, benzo(a)anthracene, and chrysene. ADR doesn't review internal standards and there is minimal impact to the results.

Several analytes were over calibration in method 8270D-SIM in sample DU07-S014-00-01 (benzo(k)fluoranthene, fluoranthene, phenanthrene, and pyrene) and DU07-S007-00-01 (fluoranthene). The samples were diluted, and the final results for the over calibration analytes will be presented from the diluted analysis.

This data package was revised 11/9/2017 due to the Eurofins SW6020A metals data breach. The majority of the data changes were made to Quality Control (QC) and/or calibration checks, not to actual sample results. The few field sample result changes were due to the originally reported result exceeding the linear calibration range of the instrument; those results were changed to be slightly lower than the upper limit of the calibration range.

In this package, the result for Manganese in the associated method blank changed from < 0.200 mg/kg to 0.198 J mg/kg. The percent recovery of magnesium, manganese, and selenium in the CCV was not within QC specification. There were no updated qualifiers.

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Validation Area	*Note*
Technical Holding Times	SR
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	SR
Surrogate/Tracer Spikes	SR
Matrix Spike/Matrix Spike Duplicates	SR
Laboratory Duplicates	SR
Laboratory Replicates	N
Laboratory Control Samples	A
Compound Quantitation	SR
Field Duplicates	SR
Field Triplicates	N
Field Blanks	SR

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU07-S002-00-01 **Collected:** 6/15/2017 9:30:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0417	J	0.0922	LOD	0.184	LOQ	mg/kg	J	Rl
SELENIUM	0.220	J	0.184	LOD	0.738	LOQ	mg/kg	J	Rl
SODIUM	65.3	J	18.4	LOD	73.8	LOQ	mg/kg	J	Rl
THALLIUM	0.0719	J	0.0461	LOD	0.184	LOQ	mg/kg	J	Rl
SILVER	0.0351	J	0.0461	LOD	0.184	LOQ	mg/kg	J	Rl

Sample ID: DU07-S002-01-02 **Collected:** 6/15/2017 9:35:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
IRON	9070		18.0	LOD	36.0	LOQ	mg/kg	J+	Ms
MAGNESIUM	1480		9.00	LOD	36.0	LOQ	mg/kg	J-	Ms
MANGANESE	80.1		0.180	LOD	0.720	LOQ	mg/kg	J+	Ms
POTASSIUM	376		18.0	LOD	72.0	LOQ	mg/kg	J	Ms, Ms
SELENIUM	0.207	J	0.180	LOD	0.720	LOQ	mg/kg	J	Rl, Ms
SILVER	0.0450	U	0.0450	LOD	0.180	LOQ	mg/kg	UJ	Ms
SODIUM	74.5		18.0	LOD	72.0	LOQ	mg/kg	J	Ms
THALLIUM	0.0752	J	0.0450	LOD	0.180	LOQ	mg/kg	J	Rl, Ms
ZINC	16.6		2.70	LOD	5.40	LOQ	mg/kg	J+	Ms

Sample ID: DU07-S002-01-02 **Collected:** 6/15/2017 9:35:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	9660		9.00	LOD	36.0	LOQ	mg/kg	J+	Ms
ANTIMONY	0.180	U	0.180	LOD	0.360	LOQ	mg/kg	UJ	Ms
ARSENIC	2.27		0.360	LOD	0.720	LOQ	mg/kg	J	Ms, Ms
BARIUM	23.0		0.360	LOD	0.720	LOQ	mg/kg	J+	Ms
CALCIUM	596		36.0	LOD	72.0	LOQ	mg/kg	J+	Ms
VANADIUM	20.0		0.0900	LOD	0.180	LOQ	mg/kg	J+	Ms

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SOIL**

Sample ID: **DU07-S005-00-01** ***Collected:*** **6/15/2017 9:45:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0631	J	0.101	LOD	0.202	LOQ	mg/kg	J	Rl
SELENIUM	0.323	J	0.202	LOD	0.807	LOQ	mg/kg	J	Rl
SILVER	0.0366	J	0.0504	LOD	0.202	LOQ	mg/kg	J	Rl
THALLIUM	0.0782	J	0.0504	LOD	0.202	LOQ	mg/kg	J	Rl

Sample ID: **DU07-S005-01-02** ***Collected:*** **6/15/2017 9:50:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.319	J	0.177	LOD	0.707	LOQ	mg/kg	J	Rl
THALLIUM	0.120	J	0.0442	LOD	0.177	LOQ	mg/kg	J	Rl

Sample ID: **DU07-S005-01-02D** ***Collected:*** **6/15/2017 9:50:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.341	J	0.204	LOD	0.814	LOQ	mg/kg	J	Rl
SODIUM	78.9	J	20.4	LOD	81.4	LOQ	mg/kg	J	Rl
THALLIUM	0.137	J	0.0509	LOD	0.204	LOQ	mg/kg	J	Rl

Sample ID: **DU07-S006-00-01** ***Collected:*** **6/15/2017 10:05:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0393	J	0.109	LOD	0.219	LOQ	mg/kg	J	Rl
SELENIUM	0.244	J	0.219	LOD	0.874	LOQ	mg/kg	J	Rl
THALLIUM	0.145	J	0.0546	LOD	0.219	LOQ	mg/kg	J	Rl

Sample ID: **DU07-S006-01-03** ***Collected:*** **6/15/2017 10:10:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	7130		9.47	LOD	37.9	LOQ	mg/kg	J+	Ms
ARSENIC	1.64		0.379	LOD	0.758	LOQ	mg/kg	J	Ld
BERYLLIUM	0.636		0.0237	LOD	0.189	LOQ	mg/kg	J	Ms, Ld
CADMIUM	0.0708	J	0.0947	LOD	0.189	LOQ	mg/kg	J	Rl, Ld
CHROMIUM	18.6		0.379	LOD	0.758	LOQ	mg/kg	J+	Ms

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SOIL**

Sample ID: **DU07-S006-01-03** ***Collected:*** **6/15/2017 10:10:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COBALT	2.15		0.0947	LOD	0.189	LOQ	mg/kg	J	Ld
IRON	7000		18.9	LOD	37.9	LOQ	mg/kg	J+	Ms
LEAD	7.93		0.0473	LOD	0.379	LOQ	mg/kg	J+	Ms
MAGNESIUM	1300		9.47	LOD	37.9	LOQ	mg/kg	J	Ms, Ms, Ld
MANGANESE	47.7		0.189	LOD	0.758	LOQ	mg/kg	J	Ms, Ms, Ld
SELENIUM	1.57		0.189	LOD	0.758	LOQ	mg/kg	J+	Ms
SILVER	0.0286	J	0.0473	LOD	0.189	LOQ	mg/kg	J	Rl
THALLIUM	0.127	J	0.0473	LOD	0.189	LOQ	mg/kg	J	Rl
VANADIUM	12.3		0.0947	LOD	0.189	LOQ	mg/kg	J+	Ms
ZINC	12.6		2.84	LOD	5.68	LOQ	mg/kg	J+	Ms

Sample ID: **DU07-S006-01-03** ***Collected:*** **6/15/2017 10:10:00 AM** ***Analysis Type:*** **Reanalysis-01** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.189	U	0.189	LOD	0.379	LOQ	mg/kg	UJ	Ms
BARIUM	45.9		0.379	LOD	0.758	LOQ	mg/kg	J+	Ms
CALCIUM	703		37.9	LOD	75.8	LOQ	mg/kg	J+	Ms

Sample ID: **DU07-S007-00-01** ***Collected:*** **6/15/2017 10:25:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0677	J	0.113	LOD	0.226	LOQ	mg/kg	J	Rl
THALLIUM	0.202	J	0.0566	LOD	0.226	LOQ	mg/kg	J	Rl

Sample ID: **DU07-S007-00-01** ***Collected:*** **6/15/2017 10:25:00 AM** ***Analysis Type:*** **Reanalysis-01** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.282	J	0.226	LOD	0.905	LOQ	mg/kg	J	Rl

Sample ID: **DU07-S007-01-02** ***Collected:*** **6/15/2017 10:30:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0414	J	0.0935	LOD	0.187	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU07-S007-01-02 **Collected:** 6/15/2017 10:30:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.206	J	0.187	LOD	0.748	LOQ	mg/kg	J	RI

Sample ID: DU07-S009-00-01 **Collected:** 6/15/2017 9:05:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0799	J	0.131	LOD	0.263	LOQ	mg/kg	J	RI
SELENIUM	0.424	J	0.263	LOD	1.05	LOQ	mg/kg	J	RI
SILVER	0.0436	J	0.0657	LOD	0.263	LOQ	mg/kg	J	RI
SODIUM	98.5	J	26.3	LOD	105	LOQ	mg/kg	J	RI
THALLIUM	0.138	J	0.0657	LOD	0.263	LOQ	mg/kg	J	RI

Sample ID: DU07-S009-00-01 **Collected:** 6/15/2017 9:05:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.139	J	0.263	LOD	0.525	LOQ	mg/kg	J	RI

Sample ID: DU07-S009-01-02 **Collected:** 6/15/2017 9:10:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.373	J	0.219	LOD	0.875	LOQ	mg/kg	J	RI
SODIUM	82.1	J	21.9	LOD	87.5	LOQ	mg/kg	J	RI
THALLIUM	0.101	J	0.0547	LOD	0.219	LOQ	mg/kg	J	RI

Sample ID: DU07-S010-00-01 **Collected:** 6/15/2017 10:45:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.184	J	0.256	LOD	0.512	LOQ	mg/kg	J	RI
BERYLLIUM	0.0898	J	0.0320	LOD	0.256	LOQ	mg/kg	J	RI
CADMIUM	0.0930	J	0.128	LOD	0.256	LOQ	mg/kg	J	RI
SELENIUM	0.837	J	0.256	LOD	1.02	LOQ	mg/kg	J	RI
SILVER	0.0480	J	0.0640	LOD	0.256	LOQ	mg/kg	J	RI
THALLIUM	0.0702	J	0.0640	LOD	0.256	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU07-S010-01-03 **Collected:** 6/15/2017 10:50:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	9620		11.9	LOD	47.7	LOQ	mg/kg	J+	Ms
MAGNESIUM	1190		11.9	LOD	47.7	LOQ	mg/kg	J	Ms, Ms
SELENIUM	0.514	J	0.239	LOD	0.954	LOQ	mg/kg	J	Rl
THALLIUM	0.0489	J	0.0596	LOD	0.239	LOQ	mg/kg	J	Rl, Ld

Sample ID: DU07-S010-01-03 **Collected:** 6/15/2017 10:50:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	11.3		0.477	LOD	0.954	LOQ	mg/kg	J+	Ms
CALCIUM	469		47.7	LOD	95.4	LOQ	mg/kg	J	Ms, Ld
CHROMIUM	13.5		0.477	LOD	0.954	LOQ	mg/kg	J+	Ms
IRON	7940		23.9	LOD	47.7	LOQ	mg/kg	J	Ms, Ms, Ms
MANGANESE	41.5		0.239	LOD	0.954	LOQ	mg/kg	J+	Ms
SODIUM	67.3	J	23.9	LOD	95.4	LOQ	mg/kg	J	Rl
ZINC	12.6		3.58	LOD	7.16	LOQ	mg/kg	J+	Ms

Sample ID: DU07-S011-00-01 **Collected:** 6/15/2017 11:05:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.150	J	0.0302	LOD	0.242	LOQ	mg/kg	J	Rl
CADMIUM	0.0554	J	0.121	LOD	0.242	LOQ	mg/kg	J	Rl
SODIUM	77.9	J	24.2	LOD	96.6	LOQ	mg/kg	J	Rl
THALLIUM	0.0789	J	0.0604	LOD	0.242	LOQ	mg/kg	J	Rl

Sample ID: DU07-S011-01-03 **Collected:** 6/15/2017 11:10:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	6590		10.3	LOD	41.1	LOQ	mg/kg	J	Fd
ARSENIC	0.722	J	0.411	LOD	0.821	LOQ	mg/kg	J	Rl
BERYLLIUM	0.154	J	0.0257	LOD	0.205	LOQ	mg/kg	J	Rl
IRON	3230		20.5	LOD	41.1	LOQ	mg/kg	J	Fd
SELENIUM	0.378	J	0.205	LOD	0.821	LOQ	mg/kg	J	Rl, Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SOIL**

Sample ID: **DU07-S011-01-03** ***Collected:*** **6/15/2017 11:10:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	64.1	J	20.5	LOD	82.1	LOQ	mg/kg	J	Rl
THALLIUM	0.0341	J	0.0513	LOD	0.205	LOQ	mg/kg	J	Rl

Sample ID: **DU07-S011-01-03** ***Collected:*** **6/15/2017 11:10:00 AM** ***Analysis Type:*** **Reanalysis-01** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
VANADIUM	7.92		0.103	LOD	0.205	LOQ	mg/kg	J	Fd

Sample ID: **DU07-S011-01-03D** ***Collected:*** **6/15/2017 11:10:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	9800		11.4	LOD	45.6	LOQ	mg/kg	J	Fd
BERYLLIUM	0.202	J	0.0285	LOD	0.228	LOQ	mg/kg	J	Rl
IRON	4470		22.8	LOD	45.6	LOQ	mg/kg	J	Fd
SELENIUM	0.806	J	0.228	LOD	0.912	LOQ	mg/kg	J	Rl, Fd
SODIUM	84.5	J	22.8	LOD	91.2	LOQ	mg/kg	J	Rl
THALLIUM	0.0445	J	0.0570	LOD	0.228	LOQ	mg/kg	J	Rl

Sample ID: **DU07-S011-01-03D** ***Collected:*** **6/15/2017 11:10:00 AM** ***Analysis Type:*** **Reanalysis-01** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
VANADIUM	11.1		0.114	LOD	0.228	LOQ	mg/kg	J	Fd

Sample ID: **DU07-S014-00-01** ***Collected:*** **6/15/2017 8:55:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.116	J	0.140	LOD	0.280	LOQ	mg/kg	J	Rl
SELENIUM	0.399	J	0.280	LOD	1.12	LOQ	mg/kg	J	Rl
SODIUM	91.0	J	28.0	LOD	112	LOQ	mg/kg	J	Rl
THALLIUM	0.0881	J	0.0700	LOD	0.280	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SOIL**

Sample ID: **DU07-S014-01-02** ***Collected:*** **6/15/2017 9:00:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0893	J	0.125	LOD	0.251	LOQ	mg/kg	J	Rl
SELENIUM	0.395	J	0.251	LOD	1.00	LOQ	mg/kg	J	Rl
SODIUM	85.6	J	25.1	LOD	100	LOQ	mg/kg	J	Rl
THALLIUM	0.0763	J	0.0627	LOD	0.251	LOQ	mg/kg	J	Rl

Sample ID: **DU07-S015-00-01** ***Collected:*** **6/15/2017 8:30:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0489	J	0.113	LOD	0.225	LOQ	mg/kg	J	Rl
SELENIUM	0.200	J	0.225	LOD	0.901	LOQ	mg/kg	J	Rl
SILVER	0.0342	J	0.0563	LOD	0.225	LOQ	mg/kg	J	Rl
THALLIUM	0.0743	J	0.0563	LOD	0.225	LOQ	mg/kg	J	Rl

Sample ID: **DU07-S015-01-03** ***Collected:*** **6/15/2017 8:35:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	6780		11.7	LOD	46.8	LOQ	mg/kg	J+	Ms
ANTIMONY	0.234	U	0.234	LOD	0.468	LOQ	mg/kg	UJ	Ms
ARSENIC	2.07		0.468	LOD	0.936	LOQ	mg/kg	J-	Ms
BARIUM	17.3		0.468	LOD	0.936	LOQ	mg/kg	J+	Ms
BERYLLIUM	0.214	J	0.0292	LOD	0.234	LOQ	mg/kg	J	Rl
CHROMIUM	11.1		0.468	LOD	0.936	LOQ	mg/kg	J+	Ms
COPPER	2.86		0.234	LOD	0.936	LOQ	mg/kg	J	Ld
IRON	8040		23.4	LOD	46.8	LOQ	mg/kg	J-	Ms
LEAD	4.60		0.0585	LOD	0.468	LOQ	mg/kg	J	Ms, Ms
POTASSIUM	412		23.4	LOD	93.6	LOQ	mg/kg	J	Ld
SODIUM	78.3	J	23.4	LOD	93.6	LOQ	mg/kg	J	Rl
THALLIUM	0.0911	J	0.0585	LOD	0.234	LOQ	mg/kg	J	Rl
ZINC	11.2		3.51	LOD	7.02	LOQ	mg/kg	J+	Ms

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix: SOIL**

Sample ID: DU07-S015-01-03 **Collected:** 6/15/2017 8:35:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MANGANESE	63.7		0.234	LOD	0.936	LOQ	mg/kg	J-	Ms
SELENIUM	0.256	J	0.234	LOD	0.936	LOQ	mg/kg	J	RI

Method Category: METALS

Method: 7199 **Matrix: SOIL**

Sample ID: DU07-S011-01-03 **Collected:** 6/15/2017 11:10:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Hexavalent Chromium [Cr (VI)]	2.0		0.49	LOD	0.49	LOQ	mg/kg	J	Fd

Sample ID: DU07-S011-01-03D **Collected:** 6/15/2017 11:10:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Hexavalent Chromium [Cr (VI)]	0.49	U	0.49	LOD	0.49	LOQ	mg/kg	UJ	Fd

Method Category: METALS

Method: 7471B **Matrix: SOIL**

Sample ID: DU07-S002-00-01 **Collected:** 6/15/2017 9:30:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0310	J	0.0180	LOD	0.108	LOQ	mg/kg	J	RI

Sample ID: DU07-S002-01-02 **Collected:** 6/15/2017 9:35:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0174	J	0.0174	LOD	0.105	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7471B **Matrix:** SOIL

Sample ID: DU07-S005-00-01 **Collected:** 6/15/2017 9:45:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0460	J	0.0195	LOD	0.117	LOQ	mg/kg	J	RI

Sample ID: DU07-S005-01-02 **Collected:** 6/15/2017 9:50:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0192	J	0.0188	LOD	0.113	LOQ	mg/kg	J	RI

Sample ID: DU07-S005-01-02D **Collected:** 6/15/2017 9:50:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0187	J	0.0184	LOD	0.110	LOQ	mg/kg	J	RI

Sample ID: DU07-S006-01-03 **Collected:** 6/15/2017 10:10:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0342	J	0.0203	LOD	0.122	LOQ	mg/kg	J	RI, Ld

Sample ID: DU07-S007-00-01 **Collected:** 6/15/2017 10:25:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0171	J	0.0196	LOD	0.117	LOQ	mg/kg	J	RI

Sample ID: DU07-S009-00-01 **Collected:** 6/15/2017 9:05:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0542	J	0.0229	LOD	0.138	LOQ	mg/kg	J	RI

Sample ID: DU07-S009-01-02 **Collected:** 6/15/2017 9:10:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0380	J	0.0231	LOD	0.139	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7471B **Matrix:** SOIL

Sample ID: DU07-S010-00-01 **Collected:** 6/15/2017 10:45:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0621	J	0.0254	LOD	0.152	LOQ	mg/kg	J	RI

Sample ID: DU07-S011-00-01 **Collected:** 6/15/2017 11:05:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0527	J	0.0236	LOD	0.142	LOQ	mg/kg	J	RI

Sample ID: DU07-S011-01-03 **Collected:** 6/15/2017 11:10:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0147	J	0.0200	LOD	0.120	LOQ	mg/kg	J	RI, Fd

Sample ID: DU07-S011-01-03D **Collected:** 6/15/2017 11:10:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0225	J	0.0204	LOD	0.122	LOQ	mg/kg	J	RI, Fd

Sample ID: DU07-S014-00-01 **Collected:** 6/15/2017 8:55:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0433	J	0.0234	LOD	0.140	LOQ	mg/kg	J	RI

Sample ID: DU07-S014-01-02 **Collected:** 6/15/2017 9:00:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0151	J	0.0218	LOD	0.131	LOQ	mg/kg	J	RI

Sample ID: DU07-S015-00-01 **Collected:** 6/15/2017 8:30:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0276	J	0.0203	LOD	0.122	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7471B **Matrix: SOIL**

Sample ID: DU07-S015-01-03 **Collected:** 6/15/2017 8:35:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0193	U	0.0193	LOD	0.116	LOQ	mg/kg	UJ	Ld

Method Category: METALS

Method: Calculation **Matrix: SOIL**

Sample ID: DU07-S011-01-03 **Collected:** 6/15/2017 11:10:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	9.1		0.49	LOD	0.82	LOQ	mg/kg	J	Fd

Sample ID: DU07-S011-01-03D **Collected:** 6/15/2017 11:10:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	14.2		0.49	LOD	0.91	LOQ	mg/kg	J	Fd

Method Category: SVOA

Method: 8270D **Matrix: SOIL**

Sample ID: DU07-S002-00-01 **Collected:** 6/15/2017 9:30:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.018	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
Benzo (g,h,i) perylene	0.016	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.021		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.034		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.015	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.021		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU07-S002-00-01 **Collected:** 6/15/2017 9:30:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.040		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.016	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.021		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.039		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU07-S002-01-02 **Collected:** 6/15/2017 9:35:00 AM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.20	J	0.55	LOD	0.55	LOQ	mg/kg	J	RI

Sample ID: DU07-S002-01-02 **Collected:** 6/15/2017 9:35:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.007	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
Benzo (g,h,i) perylene	0.007	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.008	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.012	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.009	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.015	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.006	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU07-S002-01-02 **Collected:** 6/15/2017 9:35:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
PHENANTHRENE	0.007	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.013	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: DU07-S005-00-01 **Collected:** 6/15/2017 9:45:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.008	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHYLENE	0.006	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.012	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.034		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.027		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.036		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.062		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.023		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.049		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.008	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.079		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.006	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.027		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.012	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.051		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.070		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU07-S005-00-01-X **Collected:** 6/15/2017 9:45:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.042	U	0.042	LOD	0.042	LOQ	mg/kg	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	0.042	U	0.042	LOD	0.042	LOQ	mg/kg	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	0.084	U	0.084	LOD	0.084	LOQ	mg/kg	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **SOIL**

Sample ID: **DU07-S005-00-01-X** ***Collected:*** **6/15/2017 9:45:00 AM** ***Analysis Type:*** **Reanalysis-01-ACID** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
3/4-Methylphenol [m/p-Cresol]	0.042	U	0.042	LOD	0.042	LOQ	mg/kg	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	0.042	U	0.042	LOD	0.042	LOQ	mg/kg	NP	StoE, ProfJudg
BENZOIC ACID	0.69		0.63	LOD	0.63	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: **DU07-S005-00-01-X** ***Collected:*** **6/15/2017 9:45:00 AM** ***Analysis Type:*** **Reanalysis-01-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1,4-DICHLOROBENZENE	0.042	U	0.042	LOD	0.042	LOQ	mg/kg	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	0.017	U	0.017	LOD	0.042	LOQ	mg/kg	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHENE	0.005	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, StoE, ProfJudg
ACENAPHTHYLENE	0.011	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, StoE, ProfJudg
ANTHRACENE	0.013	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZ(A)ANTHRACENE	0.055		0.008	LOD	0.021	LOQ	mg/kg	NP	StoE, ProfJudg
BENZALDEHYDE	0.11	J	0.17	LOD	0.21	LOQ	mg/kg	NP	RI, StoE, ProfJudg
Benzo (g,h,i) perylene	0.037		0.008	LOD	0.021	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.090		0.008	LOD	0.021	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.096		0.008	LOD	0.021	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.046		0.008	LOD	0.021	LOQ	mg/kg	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	0.17	U	0.17	LOD	0.21	LOQ	mg/kg	NP	StoE, ProfJudg
Butyl benzyl phthalate	0.17	U	0.17	LOD	0.21	LOQ	mg/kg	NP	StoE, ProfJudg
CAPROLACTAM	0.17	U	0.17	LOD	0.21	LOQ	mg/kg	NP	StoE, ProfJudg
CARBAZOLE	0.042	U	0.042	LOD	0.042	LOQ	mg/kg	NP	StoE, ProfJudg
CHRYSENE	0.062		0.008	LOD	0.021	LOQ	mg/kg	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.011	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, StoE, ProfJudg
DIBENZOFURAN	0.042	U	0.042	LOD	0.042	LOQ	mg/kg	NP	StoE, ProfJudg
DIETHYL PHTHALATE	0.17	U	0.17	LOD	0.21	LOQ	mg/kg	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	0.17	U	0.17	LOD	0.21	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	0.17	U	0.17	LOD	0.21	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	0.17	U	0.17	LOD	0.21	LOQ	mg/kg	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU07-S005-00-01-X **Collected:** 6/15/2017 9:45:00 AM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORANTHENE	0.13		0.008	LOD	0.021	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORENE	0.007	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.039		0.008	LOD	0.021	LOQ	mg/kg	NP	StoE, ProfJudg
NAPHTHALENE	0.006	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, StoE, ProfJudg
PHENANTHRENE	0.067		0.008	LOD	0.021	LOQ	mg/kg	NP	StoE, ProfJudg
PYRENE	0.11		0.008	LOD	0.021	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: DU07-S005-01-02 **Collected:** 6/15/2017 9:50:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.009	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, Fd, ProfJudg
Benzo (g,h,i) perylene	0.006	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.009	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, Fd, ProfJudg
BENZO(B)FLUORANTHENE	0.011	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, Fd, ProfJudg
BENZO(K)FLUORANTHENE	0.007	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, Fd, ProfJudg
CHRYSENE	0.009	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, Fd, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.016	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, Fd, ProfJudg
FLUORENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.007	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, Fd, ProfJudg
NAPHTHALENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.009	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, Fd, ProfJudg
PYRENE	0.017	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, Fd, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU07-S005-01-02D **Collected:** 6/15/2017 9:50:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
Benzo (g,h,i) perylene	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
BENZO(A)PYRENE	0.006	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
BENZO(B)FLUORANTHENE	0.007	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
BENZO(K)FLUORANTHENE	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
CHRYSENE	0.006	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.008	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
PYRENE	0.008	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, Fd, ProfJudg

Sample ID: DU07-S006-00-01 **Collected:** 6/15/2017 10:05:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.006	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
Benzo (g,h,i) perylene	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
BENZO(A)PYRENE	0.008	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
BENZO(B)FLUORANTHENE	0.008	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
BENZO(K)FLUORANTHENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU07-S006-00-01 **Collected:** 6/15/2017 10:05:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.006	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.01	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.009	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: DU07-S006-01-03 **Collected:** 6/15/2017 10:10:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
4-Chloroaniline [p-Chloroaniline]	0.084	U	0.084	LOD	0.084	LOQ	mg/kg	UJ	Ms

Sample ID: DU07-S006-01-03 **Collected:** 6/15/2017 10:10:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.006	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, Ms, Ms, ProfJudg
BENZALDEHYDE	0.085	J	0.17	LOD	0.21	LOQ	mg/kg	J	RI
Benzo (g,h,i) perylene	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	Ms, ProfJudg
BENZO(A)PYRENE	0.006	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, Ms, Ms, ProfJudg
BENZO(B)FLUORANTHENE	0.016	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, Ms, Ms, ProfJudg
BENZO(K)FLUORANTHENE	0.006	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, Ms, Ms, ProfJudg
CAPROLACTAM	0.17	U	0.17	LOD	0.21	LOQ	mg/kg	UJ	Ms
CARBAZOLE	0.042	U	0.042	LOD	0.042	LOQ	mg/kg	UJ	Ms
CHRYSENE	0.012	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, Ms, Ms, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU07-S006-01-03 **Collected:** 6/15/2017 10:10:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DIBENZO(A,H)ANTHRACENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	Ms, ProfJudg
DIETHYL PHTHALATE	0.17	U	0.17	LOD	0.21	LOQ	mg/kg	UJ	Ms
DI-N-BUTYL PHTHALATE	0.17	U	0.17	LOD	0.21	LOQ	mg/kg	UJ	Ms
FLUORANTHENE	0.011	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, Ms, Ms, ProfJudg
FLUORENE	0.007	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, Ms, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	Ms, ProfJudg
NAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.006	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, Ms, Ms, ProfJudg
PYRENE	0.011	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, Ms, Ms, ProfJudg

Sample ID: DU07-S006-01-03-X **Collected:** 6/15/2017 10:10:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.042	U	0.042	LOD	0.042	LOQ	mg/kg	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	0.042	U	0.042	LOD	0.042	LOQ	mg/kg	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	0.084	U	0.084	LOD	0.084	LOQ	mg/kg	NP	Ms, StoE, ProfJudg

Sample ID: DU07-S006-01-03-X **Collected:** 6/15/2017 10:10:00 AM **Analysis Type:** Reanalysis-01-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.042	U	0.042	LOD	0.042	LOQ	mg/kg	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	0.042	U	0.042	LOD	0.042	LOQ	mg/kg	NP	StoE, ProfJudg
BENZOIC ACID	1.0		0.63	LOD	0.63	LOQ	mg/kg	NP	Ms, StoE, ProfJudg

Sample ID: DU07-S006-01-03-X **Collected:** 6/15/2017 10:10:00 AM **Analysis Type:** Reanalysis-01-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	0.042	U	0.042	LOD	0.042	LOQ	mg/kg	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	0.017	U	0.017	LOD	0.042	LOQ	mg/kg	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **SOIL**

Sample ID: **DU07-S006-01-03-X** ***Collected:*** **6/15/2017 10:10:00 AM** ***Analysis Type:*** **Reanalysis-01-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
ACENAPHTHENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.028		0.008	LOD	0.021	LOQ	mg/kg	NP	Ms, StoE, ProfJudg
ANTHRACENE	0.009	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, Ms, StoE, ProfJudg
BENZ(A)ANTHRACENE	0.020	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, Ms, Ms, StoE, ProfJudg
BENZALDEHYDE	0.17	U	0.17	LOD	0.21	LOQ	mg/kg	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.020	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, Ms, Ms, StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.034		0.008	LOD	0.021	LOQ	mg/kg	NP	Ms, StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.014	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, Ms, StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	0.17	U	0.17	LOD	0.21	LOQ	mg/kg	NP	StoE, ProfJudg
Butyl benzyl phthalate	0.17	U	0.17	LOD	0.21	LOQ	mg/kg	NP	StoE, ProfJudg
CAPROLACTAM	0.17	U	0.17	LOD	0.21	LOQ	mg/kg	NP	Ms, StoE, ProfJudg
CARBAZOLE	0.042	U	0.042	LOD	0.042	LOQ	mg/kg	NP	Ms, StoE, ProfJudg
CHRYSENE	0.029		0.008	LOD	0.021	LOQ	mg/kg	NP	Ms, Ms, StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	StoE, ProfJudg
DIBENZOFURAN	0.042	U	0.042	LOD	0.042	LOQ	mg/kg	NP	StoE, ProfJudg
DIETHYL PHTHALATE	0.17	U	0.17	LOD	0.21	LOQ	mg/kg	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	0.17	U	0.17	LOD	0.21	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	0.17	U	0.17	LOD	0.21	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	0.17	U	0.17	LOD	0.21	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORANTHENE	0.040		0.008	LOD	0.021	LOQ	mg/kg	NP	Ms, Ms, StoE, ProfJudg
FLUORENE	0.005	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, Ms, StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.010	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, Ms, StoE, ProfJudg
NAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	StoE, ProfJudg
PHENANTHRENE	0.025		0.008	LOD	0.021	LOQ	mg/kg	NP	Ms, StoE, ProfJudg
PYRENE	0.035		0.008	LOD	0.021	LOQ	mg/kg	NP	Ms, StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU07-S007-00-01 **Collected:** 6/15/2017 10:25:00 AM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.38	J	0.61	LOD	0.61	LOQ	mg/kg	J	RI

Sample ID: DU07-S007-00-01 **Collected:** 6/15/2017 10:25:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.004	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
2-METHYLNAPHTHALENE	0.004	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHENE	0.008	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHYLENE	0.032		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.054		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.084		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZALDEHYDE	0.18	J	0.16	LOD	0.20	LOQ	mg/kg	J	RI
Benzo (g,h,i) perylene	0.075		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.090		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.27		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.090		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.23		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.020	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.35		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.006	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.074		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.014	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.13		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.28		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU07-S007-01-02 **Collected:** 6/15/2017 10:30:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.004	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU07-S007-01-02 **Collected:** 6/15/2017 10:30:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.004	J	0.008	LOD	0.020	LOQ	mg/kg	NP	Rl, ProfJudg
BENZ(A)ANTHRACENE	0.009	J	0.008	LOD	0.020	LOQ	mg/kg	NP	Rl, ProfJudg
Benzo (g,h,i) perylene	0.010	J	0.008	LOD	0.020	LOQ	mg/kg	NP	Rl, ProfJudg
BENZO(A)PYRENE	0.012	J	0.008	LOD	0.020	LOQ	mg/kg	NP	Rl, ProfJudg
BENZO(B)FLUORANTHENE	0.029		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.010	J	0.008	LOD	0.020	LOQ	mg/kg	NP	Rl, ProfJudg
CHRYSENE	0.021		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.034		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.01	J	0.008	LOD	0.020	LOQ	mg/kg	NP	Rl, ProfJudg
NAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.028		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.029		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU07-S009-00-01 **Collected:** 6/15/2017 9:05:00 AM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.61	J	0.72	LOD	0.72	LOQ	mg/kg	J	Rl

Sample ID: DU07-S009-00-01 **Collected:** 6/15/2017 9:05:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.01	U	0.01	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.01	U	0.01	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.006	J	0.01	LOD	0.024	LOQ	mg/kg	NP	Rl, ProfJudg
ACENAPHTHYLENE	0.005	J	0.01	LOD	0.024	LOQ	mg/kg	NP	Rl, ProfJudg
ANTHRACENE	0.014	J	0.01	LOD	0.024	LOQ	mg/kg	NP	Rl, ProfJudg
BENZ(A)ANTHRACENE	0.055		0.01	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.044		0.01	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.063		0.01	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.091		0.01	LOD	0.024	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU07-S009-00-01 **Collected:** 6/15/2017 9:05:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(K)FLUORANTHENE	0.053		0.01	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.066		0.01	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.017	J	0.01	LOD	0.024	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.14		0.01	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.007	J	0.01	LOD	0.024	LOQ	mg/kg	NP	RI, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.043		0.01	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.006	J	0.01	LOD	0.024	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.068		0.01	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.12		0.01	LOD	0.024	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU07-S009-01-02 **Collected:** 6/15/2017 9:10:00 AM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.67	J	0.70	LOD	0.70	LOQ	mg/kg	J	RI

Sample ID: DU07-S009-01-02 **Collected:** 6/15/2017 9:10:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.016	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, ProfJudg
Benzo (g,h,i) perylene	0.012	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.017	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.020	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.014	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.020	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.032		0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU07-S009-01-02 **Collected:** 6/15/2017 9:10:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
INDENO(1,2,3-CD)PYRENE	0.01	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.016	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.024		0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU07-S010-00-01 **Collected:** 6/15/2017 10:45:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.006	J	0.010	LOD	0.026	LOQ	mg/kg	NP	RI, ProfJudg
2-METHYLNAPHTHALENE	0.006	J	0.010	LOD	0.026	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHENE	0.009	J	0.010	LOD	0.026	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHYLENE	0.008	J	0.010	LOD	0.026	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.024	J	0.010	LOD	0.026	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.074		0.010	LOD	0.026	LOQ	mg/kg	NP	ProfJudg
BENZALDEHYDE	0.22	J	0.20	LOD	0.25	LOQ	mg/kg	J	RI
Benzo (g,h,i) perylene	0.063		0.010	LOD	0.026	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.080		0.010	LOD	0.026	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.13		0.010	LOD	0.026	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.058		0.010	LOD	0.026	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.11		0.010	LOD	0.026	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.019	J	0.010	LOD	0.026	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.18		0.010	LOD	0.026	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.008	J	0.010	LOD	0.026	LOQ	mg/kg	NP	RI, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.059		0.010	LOD	0.026	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.013	J	0.010	LOD	0.026	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.10		0.010	LOD	0.026	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.16		0.010	LOD	0.026	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU07-S010-01-03 **Collected:** 6/15/2017 10:50:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU07-S010-01-03 **Collected:** 6/15/2017 10:50:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.005	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.007	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.006	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.005	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.008	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.005	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.008	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: DU07-S011-00-01 **Collected:** 6/15/2017 11:05:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.018	J	0.01	LOD	0.025	LOQ	mg/kg	NP	RI, ProfJudg
2-METHYLNAPHTHALENE	0.035		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.047		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	J	0.01	LOD	0.025	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.022	J	0.01	LOD	0.025	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.037		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
BENZALDEHYDE	0.23	J	0.20	LOD	0.24	LOQ	mg/kg	J	RI
Benzo (g,h,i) perylene	0.029		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.039		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.062		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.030		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU07-S011-00-01 **Collected:** 6/15/2017 11:05:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CAPROLACTAM	0.060	J	0.20	LOD	0.24	LOQ	mg/kg	J	Rl
CHRYSENE	0.053		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.01	J	0.01	LOD	0.025	LOQ	mg/kg	NP	Rl, ProfJudg
DIBENZOFURAN	0.029	J	0.049	LOD	0.049	LOQ	mg/kg	J	Rl
DI-N-OCTYL PHTHALATE	0.19	J	0.20	LOD	0.24	LOQ	mg/kg	J	Rl
FLUORANTHENE	0.089		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.018	J	0.01	LOD	0.025	LOQ	mg/kg	NP	Rl, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.027		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.21		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.069		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.080		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU07-S011-01-03 **Collected:** 6/15/2017 11:10:00 AM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.61	U	0.61	LOD	0.61	LOQ	mg/kg	UJ	Fd

Sample ID: DU07-S011-01-03 **Collected:** 6/15/2017 11:10:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	Fd, ProfJudg
BENZ(A)ANTHRACENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	Fd, ProfJudg
BENZALDEHYDE	0.16	U	0.16	LOD	0.20	LOQ	mg/kg	UJ	Fd
Benzo (g,h,i) perylene	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	Fd, ProfJudg
BENZO(A)PYRENE	0.004	J	0.008	LOD	0.021	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
BENZO(B)FLUORANTHENE	0.004	J	0.008	LOD	0.021	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
BENZO(K)FLUORANTHENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	Fd, ProfJudg
CHRYSENE	0.004	J	0.008	LOD	0.021	LOQ	mg/kg	NP	Rl, Fd, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU07-S011-01-03 **Collected:** 6/15/2017 11:10:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DIBENZO(A,H)ANTHRACENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.005	J	0.008	LOD	0.021	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
FLUORENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	Fd, ProfJudg
NAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	Fd, ProfJudg
PHENANTHRENE	0.005	J	0.008	LOD	0.021	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
PYRENE	0.006	J	0.008	LOD	0.021	LOQ	mg/kg	NP	Rl, Fd, ProfJudg

Sample ID: DU07-S011-01-03D **Collected:** 6/15/2017 11:10:00 AM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.41	J	0.62	LOD	0.62	LOQ	mg/kg	J	Rl, Fd

Sample ID: DU07-S011-01-03D **Collected:** 6/15/2017 11:10:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.005	J	0.008	LOD	0.021	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
BENZ(A)ANTHRACENE	0.006	J	0.008	LOD	0.021	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
BENZALDEHYDE	0.089	J	0.17	LOD	0.21	LOQ	mg/kg	J	Rl, Fd
Benzo (g,h,i) perylene	0.008	J	0.008	LOD	0.021	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
BENZO(A)PYRENE	0.009	J	0.008	LOD	0.021	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
BENZO(B)FLUORANTHENE	0.009	J	0.008	LOD	0.021	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
BENZO(K)FLUORANTHENE	0.004	J	0.008	LOD	0.021	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
CHRYSENE	0.007	J	0.008	LOD	0.021	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.012	J	0.008	LOD	0.021	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
FLUORENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.006	J	0.008	LOD	0.021	LOQ	mg/kg	NP	Rl, Fd, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU07-S011-01-03D **Collected:** 6/15/2017 11:10:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NAPHTHALENE	0.005	J	0.008	LOD	0.021	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
PHENANTHRENE	0.007	J	0.008	LOD	0.021	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
PYRENE	0.012	J	0.008	LOD	0.021	LOQ	mg/kg	NP	Rl, Fd, ProfJudg

Sample ID: DU07-S014-00-01 **Collected:** 6/15/2017 8:55:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.024	J	0.01	LOD	0.025	LOQ	mg/kg	NP	Rl, ProfJudg
2-METHYLNAPHTHALENE	0.025	J	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.11		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.031		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.28		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.38		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
BENZALDEHYDE	0.15	J	0.20	LOD	0.25	LOQ	mg/kg	J	Rl
Benzo (g,h,i) perylene	0.21		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.35		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.48		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.25		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.38		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.070		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.99		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.12		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.032		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.91		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.78		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU07-S014-01-02 **Collected:** 6/15/2017 9:00:00 AM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.55	J	0.66	LOD	0.66	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU07-S014-01-02 **Collected:** 6/15/2017 9:00:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.005	J	0.009	LOD	0.023	LOQ	mg/kg	NP	Rl, ProfJudg
ACENAPHTHENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.008	J	0.009	LOD	0.023	LOQ	mg/kg	NP	Rl, ProfJudg
ANTHRACENE	0.009	J	0.009	LOD	0.023	LOQ	mg/kg	NP	Rl, ProfJudg
BENZ(A)ANTHRACENE	0.022	J	0.009	LOD	0.023	LOQ	mg/kg	NP	Rl, ProfJudg
Benzo (g,h,i) perylene	0.019	J	0.009	LOD	0.023	LOQ	mg/kg	NP	Rl, ProfJudg
BENZO(A)PYRENE	0.021	J	0.009	LOD	0.023	LOQ	mg/kg	NP	Rl, ProfJudg
BENZO(B)FLUORANTHENE	0.032		0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.016	J	0.009	LOD	0.023	LOQ	mg/kg	NP	Rl, ProfJudg
CHRYSENE	0.022	J	0.009	LOD	0.023	LOQ	mg/kg	NP	Rl, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.006	J	0.009	LOD	0.023	LOQ	mg/kg	NP	Rl, ProfJudg
FLUORANTHENE	0.048		0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.014	J	0.009	LOD	0.023	LOQ	mg/kg	NP	Rl, ProfJudg
NAPHTHALENE	0.006	J	0.009	LOD	0.023	LOQ	mg/kg	NP	Rl, ProfJudg
PHENANTHRENE	0.030		0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.039		0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU07-S015-00-01 **Collected:** 6/15/2017 8:30:00 AM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.29	J	0.62	LOD	0.62	LOQ	mg/kg	J	Rl

Sample ID: DU07-S015-00-01 **Collected:** 6/15/2017 8:30:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.009	J	0.008	LOD	0.021	LOQ	mg/kg	NP	Rl, ProfJudg
ACENAPHTHYLENE	0.017	J	0.008	LOD	0.021	LOQ	mg/kg	NP	Rl, ProfJudg
ANTHRACENE	0.027		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU07-S015-00-01 **Collected:** 6/15/2017 8:30:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.11		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.075		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.12		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.17		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.094		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.12		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.026		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.23		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.011	J	0.008	LOD	0.021	LOQ	mg/kg	NP	Rl, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.075		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.006	J	0.008	LOD	0.021	LOQ	mg/kg	NP	Rl, ProfJudg
PHENANTHRENE	0.11		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.20		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU07-S015-01-03 **Collected:** 6/15/2017 8:35:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.006	J	0.008	LOD	0.021	LOQ	mg/kg	NP	Rl, ProfJudg
ACENAPHTHYLENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.012	J	0.008	LOD	0.021	LOQ	mg/kg	NP	Rl, ProfJudg
BENZ(A)ANTHRACENE	0.043		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZALDEHYDE	0.094	J	0.17	LOD	0.21	LOQ	mg/kg	J	Rl
Benzo (g,h,i) perylene	0.034		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.051		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.068		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.030		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.050		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.012	J	0.008	LOD	0.021	LOQ	mg/kg	NP	Rl, ProfJudg
FLUORANTHENE	0.082		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.006	J	0.008	LOD	0.021	LOQ	mg/kg	NP	Rl, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix: SOIL**

Sample ID: DU07-S015-01-03 **Collected:** 6/15/2017 8:35:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
INDENO(1,2,3-CD)PYRENE	0.033		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.010	J	0.008	LOD	0.021	LOQ	mg/kg	NP	Rl, ProfJudg
PHENANTHRENE	0.043		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.079		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg

Method Category: SVOA

Method: 8270D SIM **Matrix: SOIL**

Sample ID: DU07-S002-00-01 **Collected:** 6/15/2017 9:30:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.0012	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Rl
ACENAPHTHENE	0.0012	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Rl
ACENAPHTHYLENE	0.00096	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Rl
DIBENZO(A,H)ANTHRACENE	0.0017	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Rl
FLUORENE	0.0013	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Rl
NAPHTHALENE	0.0018	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Rl

Sample ID: DU07-S002-01-02 **Collected:** 6/15/2017 9:35:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0013	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl
ANTHRACENE	0.00097	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl
BENZO(G,H,I)PERYLENE	0.0018	J	0.0015	LOD	0.0018	LOQ	mg/kg	J-	Ms
INDENO(1,2,3-CD)PYRENE	0.0022		0.0015	LOD	0.0018	LOQ	mg/kg	J-	Ms
NAPHTHALENE	0.00076	J	0.0015	LOD	0.0018	LOQ	mg/kg	U	Eb

Sample ID: DU07-S005-00-01 **Collected:** 6/15/2017 9:45:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.0082	J	0.0084	LOD	0.011	LOQ	mg/kg	J	Rl
ANTHRACENE	0.010	J	0.0084	LOD	0.011	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU07-S005-00-01 **Collected:** 6/15/2017 9:45:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(G,H,I)PERYLENE	0.010	J	0.0084	LOD	0.011	LOQ	mg/kg	J	Rl
DIBENZO(A,H)ANTHRACENE	0.0045	J	0.0084	LOD	0.011	LOQ	mg/kg	J	Rl
NAPHTHALENE	0.0075	J	0.0084	LOD	0.011	LOQ	mg/kg	J	Rl

Sample ID: DU07-S005-01-02 **Collected:** 6/15/2017 9:50:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.00065	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Rl
ANTHRACENE	0.0024		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
BENZ(A)ANTHRACENE	0.0084		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
BENZO(A)PYRENE	0.0076		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
BENZO(B)FLUORANTHENE	0.013		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
BENZO(G,H,I)PERYLENE	0.0020		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
BENZO(K)FLUORANTHENE	0.0045		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
CHRYSENE	0.0083		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
DIBENZO(A,H)ANTHRACENE	0.00085	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Rl, Fd
FLUORANTHENE	0.017		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
INDENO(1,2,3-CD)PYRENE	0.0025		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
NAPHTHALENE	0.0025		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
PHENANTHRENE	0.0085		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
PYRENE	0.014		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd

Sample ID: DU07-S005-01-02D **Collected:** 6/15/2017 9:50:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.00055	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl
ANTHRACENE	0.00081	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl, Fd
BENZ(A)ANTHRACENE	0.0030		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd
BENZO(A)PYRENE	0.0035		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd
BENZO(B)FLUORANTHENE	0.0060		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd
BENZO(G,H,I)PERYLENE	0.0010	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl, Fd
BENZO(K)FLUORANTHENE	0.0025		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU07-S005-01-02D **Collected:** 6/15/2017 9:50:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.0038		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd
DIBENZO(A,H)ANTHRACENE	0.0015	U	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	Fd
FLUORANTHENE	0.0075		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd
INDENO(1,2,3-CD)PYRENE	0.0012	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl, Fd
NAPHTHALENE	0.00099	J	0.0015	LOD	0.0018	LOQ	mg/kg	UJ	Eb, Fd
PHENANTHRENE	0.0038		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd
PYRENE	0.0061		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd

Sample ID: DU07-S005-01-02D-X **Collected:** 6/15/2017 9:50:00 AM **Analysis Type:** Reanalysis-01-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.00081	J	0.0015	LOD	0.0018	LOQ	mg/kg	NP	Rl, StoE, ProfJudg
2-METHYLNAPHTHALENE	0.0014	J	0.0015	LOD	0.0018	LOQ	mg/kg	NP	Rl, StoE, ProfJudg
ACENAPHTHENE	0.00079	J	0.0015	LOD	0.0018	LOQ	mg/kg	NP	Rl, StoE, ProfJudg
ACENAPHTHYLENE	0.0023		0.0015	LOD	0.0018	LOQ	mg/kg	NP	StoE, ProfJudg
ANTHRACENE	0.0057		0.0015	LOD	0.0018	LOQ	mg/kg	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.010		0.0015	LOD	0.0018	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.011		0.0015	LOD	0.0018	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.030		0.0015	LOD	0.0018	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(G,H,I)PERYLENE	0.0036		0.0015	LOD	0.0018	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.010		0.0015	LOD	0.0018	LOQ	mg/kg	NP	StoE, ProfJudg
CHRYSENE	0.017		0.0015	LOD	0.0018	LOQ	mg/kg	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0023		0.0015	LOD	0.0018	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORANTHENE	0.033		0.0015	LOD	0.0018	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORENE	0.0013	J	0.0015	LOD	0.0018	LOQ	mg/kg	NP	Rl, StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.0046		0.0015	LOD	0.0018	LOQ	mg/kg	NP	StoE, ProfJudg
NAPHTHALENE	0.0042		0.0015	LOD	0.0018	LOQ	mg/kg	NP	StoE, ProfJudg
PHENANTHRENE	0.012		0.0015	LOD	0.0018	LOQ	mg/kg	NP	StoE, ProfJudg
PYRENE	0.022		0.0015	LOD	0.0018	LOQ	mg/kg	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **SOIL**

Sample ID: **DU07-S006-00-01** ***Collected:*** **6/15/2017 10:05:00 AM** ***Analysis Type:*** **Initial-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(G,H,I)PERYLENE	0.00094	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl
FLUORENE	0.00092	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl
INDENO(1,2,3-CD)PYRENE	0.0010	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl
NAPHTHALENE	0.00080	J	0.0015	LOD	0.0018	LOQ	mg/kg	U	Eb

Sample ID: **DU07-S006-01-03** ***Collected:*** **6/15/2017 10:10:00 AM** ***Analysis Type:*** **Initial-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0017	U	0.0017	LOD	0.0021	LOQ	mg/kg	UJ	Ms
2-METHYLNAPHTHALENE	0.0017	U	0.0017	LOD	0.0021	LOQ	mg/kg	UJ	Ms
ACENAPHTHENE	0.0017	U	0.0017	LOD	0.0021	LOQ	mg/kg	UJ	Ms
ACENAPHTHYLENE	0.0014	J	0.0017	LOD	0.0021	LOQ	mg/kg	J	Rl, Ms, Ms
ANTHRACENE	0.00085	J	0.0017	LOD	0.0021	LOQ	mg/kg	J	Rl, Ms
BENZ(A)ANTHRACENE	0.0026		0.0017	LOD	0.0021	LOQ	mg/kg	J	Ms, Ms
BENZO(A)PYRENE	0.0027		0.0017	LOD	0.0021	LOQ	mg/kg	J	Ms, Ms
BENZO(B)FLUORANTHENE	0.011		0.0017	LOD	0.0021	LOQ	mg/kg	J	Ms, Ms
BENZO(G,H,I)PERYLENE	0.0018	J	0.0017	LOD	0.0021	LOQ	mg/kg	J	Rl, Ms, Ms
BENZO(K)FLUORANTHENE	0.0025		0.0017	LOD	0.0021	LOQ	mg/kg	J	Ms, Ms
CHRYSENE	0.0074		0.0017	LOD	0.0021	LOQ	mg/kg	J	Ms, Ms
DIBENZO(A,H)ANTHRACENE	0.0017	U	0.0017	LOD	0.0021	LOQ	mg/kg	UJ	Ms
FLUORANTHENE	0.0098		0.0017	LOD	0.0021	LOQ	mg/kg	J-	Ms
FLUORENE	0.0017	U	0.0017	LOD	0.0021	LOQ	mg/kg	UJ	Ms
INDENO(1,2,3-CD)PYRENE	0.0019	J	0.0017	LOD	0.0021	LOQ	mg/kg	J	Rl, Ms, Ms
NAPHTHALENE	0.0017	J	0.0017	LOD	0.0021	LOQ	mg/kg	J	Rl, Ms, Ms
PHENANTHRENE	0.0047		0.0017	LOD	0.0021	LOQ	mg/kg	J-	Ms
PYRENE	0.0053		0.0017	LOD	0.0021	LOQ	mg/kg	J	Ms, Ms

Sample ID: **DU07-S007-00-01** ***Collected:*** **6/15/2017 10:25:00 AM** ***Analysis Type:*** **Dilution-01-BASE/ NEUTRAL** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.016	U	0.016	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.016	U	0.016	LOD	0.020	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU07-S007-00-01 **Collected:** 6/15/2017 10:25:00 AM **Analysis Type:** Dilution-01-BASE/ NEUTRAL **Dilution:** 10

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.016	U	0.016	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.040		0.016	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.038		0.016	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.10		0.016	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.094		0.016	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.30		0.016	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.073		0.016	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.089		0.016	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.25		0.016	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.022		0.016	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.016	U	0.016	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.077		0.016	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.0097	J	0.016	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.15		0.016	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.25		0.016	LOD	0.020	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU07-S007-00-01 **Collected:** 6/15/2017 10:25:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORANTHENE	0.46	E	0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU07-S007-01-02 **Collected:** 6/15/2017 10:30:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0019	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI
ACENAPHTHENE	0.0016	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI
DIBENZO(A,H)ANTHRACENE	0.0014	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI
FLUORENE	0.0018	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU07-S009-00-01 **Collected:** 6/15/2017 9:05:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0014	J	0.0019	LOD	0.0024	LOQ	mg/kg	J	RI
2-METHYLNAPHTHALENE	0.0017	J	0.0019	LOD	0.0024	LOQ	mg/kg	J	RI
ACENAPHTHYLENE	0.0016	J	0.0019	LOD	0.0024	LOQ	mg/kg	J	RI

Sample ID: DU07-S009-01-02 **Collected:** 6/15/2017 9:10:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0011	J	0.0019	LOD	0.0023	LOQ	mg/kg	J	RI
DIBENZO(A,H)ANTHRACENE	0.0015	J	0.0019	LOD	0.0023	LOQ	mg/kg	J	RI

Sample ID: DU07-S010-00-01 **Collected:** 6/15/2017 10:45:00 AM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0025	J	0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.0041		0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.020		0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.0093		0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.016		0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.077		0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.082		0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.19		0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.019		0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.056		0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.10		0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0079		0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.22		0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.0067		0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.025		0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.0076		0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.10		0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.18		0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **SOIL**

Sample ID: **DU07-S010-01-03** ***Collected:*** **6/15/2017 10:50:00 AM** ***Analysis Type:*** **Initial-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
ANTHRACENE	0.00056	J	0.0017	LOD	0.0021	LOQ	mg/kg	J	Rl
BENZ(A)ANTHRACENE	0.0020	J	0.0017	LOD	0.0021	LOQ	mg/kg	J	Rl
BENZO(G,H,I)PERYLENE	0.00087	J	0.0017	LOD	0.0021	LOQ	mg/kg	J	Rl, Ms
DIBENZO(A,H)ANTHRACENE	0.0017	U	0.0017	LOD	0.0021	LOQ	mg/kg	UJ	Ms
INDENO(1,2,3-CD)PYRENE	0.00095	J	0.0017	LOD	0.0021	LOQ	mg/kg	J	Rl, Ms
NAPHTHALENE	0.0011	J	0.0017	LOD	0.0021	LOQ	mg/kg	J	Rl

Sample ID: **DU07-S011-00-01-X** ***Collected:*** **6/15/2017 11:05:00 AM** ***Analysis Type:*** **Reanalysis-01-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.0017	J	0.0020	LOD	0.0025	LOQ	mg/kg	NP	Rl, ProfJudg
2-METHYLNAPHTHALENE	0.0022	J	0.0020	LOD	0.0025	LOQ	mg/kg	NP	Rl, ProfJudg
ACENAPHTHENE	0.0032		0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.0016	J	0.0020	LOD	0.0025	LOQ	mg/kg	NP	Rl, ProfJudg
ANTHRACENE	0.0092		0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.037		0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.039		0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.073		0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.010		0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.027		0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.043		0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0047		0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.10		0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.0028		0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.013		0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.0042		0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.048		0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.073		0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **SOIL**

Sample ID: **DU07-S011-01-03** ***Collected:*** **6/15/2017 11:10:00 AM** ***Analysis Type:*** **Initial-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0010	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	Rl, Fd
2-METHYLNAPHTHALENE	0.0013	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	Rl, Fd
ACENAPHTHENE	0.0080		0.0016	LOD	0.0020	LOQ	mg/kg	J	Fd
ACENAPHTHYLENE	0.00078	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	Rl, Fd
ANTHRACENE	0.0017	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	Rl
BENZ(A)ANTHRACENE	0.0019	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	Rl, Fd
BENZO(A)PYRENE	0.0016	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	Rl, Fd
BENZO(B)FLUORANTHENE	0.0031		0.0016	LOD	0.0020	LOQ	mg/kg	J	Fd
BENZO(G,H,I)PERYLENE	0.0016	U	0.0016	LOD	0.0020	LOQ	mg/kg	UJ	Fd
BENZO(K)FLUORANTHENE	0.0012	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	Rl, Fd
CHRYSENE	0.0023		0.0016	LOD	0.0020	LOQ	mg/kg	J	Fd
FLUORANTHENE	0.0056		0.0016	LOD	0.0020	LOQ	mg/kg	J	Fd
INDENO(1,2,3-CD)PYRENE	0.0016	U	0.0016	LOD	0.0020	LOQ	mg/kg	UJ	Fd
NAPHTHALENE	0.0023		0.0016	LOD	0.0020	LOQ	mg/kg	J	Fd
PHENANTHRENE	0.0041		0.0016	LOD	0.0020	LOQ	mg/kg	J	Fd
PYRENE	0.0041		0.0016	LOD	0.0020	LOQ	mg/kg	J	Fd

Sample ID: **DU07-S011-01-03D** ***Collected:*** **6/15/2017 11:10:00 AM** ***Analysis Type:*** **Initial-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0017	U	0.0017	LOD	0.0021	LOQ	mg/kg	UJ	Fd
2-METHYLNAPHTHALENE	0.0017	U	0.0017	LOD	0.0021	LOQ	mg/kg	UJ	Fd
ACENAPHTHENE	0.013		0.0017	LOD	0.0021	LOQ	mg/kg	J	Fd
ACENAPHTHYLENE	0.0017	U	0.0017	LOD	0.0021	LOQ	mg/kg	UJ	Fd
ANTHRACENE	0.0017	J	0.0017	LOD	0.0021	LOQ	mg/kg	J	Rl
BENZ(A)ANTHRACENE	0.0050		0.0017	LOD	0.0021	LOQ	mg/kg	J	Fd
BENZO(A)PYRENE	0.0052		0.0017	LOD	0.0021	LOQ	mg/kg	J	Fd
BENZO(B)FLUORANTHENE	0.0099		0.0017	LOD	0.0021	LOQ	mg/kg	J	Fd
BENZO(G,H,I)PERYLENE	0.0017	J	0.0017	LOD	0.0021	LOQ	mg/kg	J	Rl, Fd
BENZO(K)FLUORANTHENE	0.0035		0.0017	LOD	0.0021	LOQ	mg/kg	J	Fd
CHRYSENE	0.0056		0.0017	LOD	0.0021	LOQ	mg/kg	J	Fd
FLUORANTHENE	0.013		0.0017	LOD	0.0021	LOQ	mg/kg	J	Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU07-S011-01-03D **Collected:** 6/15/2017 11:10:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
INDENO(1,2,3-CD)PYRENE	0.0018	J	0.0017	LOD	0.0021	LOQ	mg/kg	J	Rl, Fd
NAPHTHALENE	0.0016	J	0.0017	LOD	0.0021	LOQ	mg/kg	J	Rl, Fd
PHENANTHRENE	0.0057		0.0017	LOD	0.0021	LOQ	mg/kg	J	Fd
PYRENE	0.0096		0.0017	LOD	0.0021	LOQ	mg/kg	J	Fd

Sample ID: DU07-S011-01-03-X **Collected:** 6/15/2017 11:10:00 AM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0016	U	0.0016	LOD	0.0021	LOQ	mg/kg	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.0016	U	0.0016	LOD	0.0021	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHENE	0.0016	U	0.0016	LOD	0.0021	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.0016	U	0.0016	LOD	0.0021	LOQ	mg/kg	NP	StoE, ProfJudg
ANTHRACENE	0.0016	U	0.0016	LOD	0.0021	LOQ	mg/kg	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.0012	J	0.0016	LOD	0.0021	LOQ	mg/kg	NP	Rl, StoE, ProfJudg
BENZO(A)PYRENE	0.0011	J	0.0016	LOD	0.0021	LOQ	mg/kg	NP	Rl, StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.0020	J	0.0016	LOD	0.0021	LOQ	mg/kg	NP	Rl, StoE, ProfJudg
BENZO(G,H,I)PERYLENE	0.0016	U	0.0016	LOD	0.0021	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.0016	U	0.0016	LOD	0.0021	LOQ	mg/kg	NP	StoE, ProfJudg
CHRYSENE	0.0012	J	0.0016	LOD	0.0021	LOQ	mg/kg	NP	Rl, StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0016	U	0.0016	LOD	0.0021	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORANTHENE	0.0021		0.0016	LOD	0.0021	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORENE	0.0016	U	0.0016	LOD	0.0021	LOQ	mg/kg	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.0016	U	0.0016	LOD	0.0021	LOQ	mg/kg	NP	StoE, ProfJudg
NAPHTHALENE	0.0016	U	0.0016	LOD	0.0021	LOQ	mg/kg	NP	StoE, ProfJudg
PHENANTHRENE	0.0011	J	0.0016	LOD	0.0021	LOQ	mg/kg	NP	Rl, StoE, ProfJudg
PYRENE	0.0018	J	0.0016	LOD	0.0021	LOQ	mg/kg	NP	Rl, StoE, ProfJudg

Sample ID: DU07-S014-00-01 **Collected:** 6/15/2017 8:55:00 AM **Analysis Type:** Dilution-01-BASE/ NEUTRAL **Dilution:** 50

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.099	U	0.099	LOD	0.12	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU07-S014-00-01 **Collected:** 6/15/2017 8:55:00 AM **Analysis Type:** Dilution-01-BASE/ NEUTRAL **Dilution:** 50

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.099	U	0.099	LOD	0.12	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.12	J	0.099	LOD	0.12	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.099	U	0.099	LOD	0.12	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.28		0.099	LOD	0.12	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.45		0.099	LOD	0.12	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.39		0.099	LOD	0.12	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.13		0.099	LOD	0.12	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20		0.099	LOD	0.12	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.41		0.099	LOD	0.12	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.052	J	0.099	LOD	0.12	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.13		0.099	LOD	0.12	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.18		0.099	LOD	0.12	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.099	U	0.099	LOD	0.12	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU07-S014-00-01 **Collected:** 6/15/2017 8:55:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(B)FLUORANTHENE	0.58	E	0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.96	E	0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.81	E	0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.75	E	0.0020	LOD	0.0025	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU07-S014-01-02 **Collected:** 6/15/2017 9:00:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DIBENZO(A,H)ANTHRACENE	0.0020	J	0.0018	LOD	0.0022	LOQ	mg/kg	J	RI
FLUORENE	0.0017	J	0.0018	LOD	0.0022	LOQ	mg/kg	J	RI

Sample ID: DU07-S015-01-03 **Collected:** 6/15/2017 8:35:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0012	J	0.0017	LOD	0.0021	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **SOIL**

Sample ID: **DU07-S015-01-03** ***Collected:*** **6/15/2017 8:35:00 AM** ***Analysis Type:*** **Initial-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
2-METHYLNAPHTHALENE	0.0014	J	0.0017	LOD	0.0021	LOQ	mg/kg	J	RI
ANTHRACENE	0.0073		0.0017	LOD	0.0021	LOQ	mg/kg	J	Ms
BENZ(A)ANTHRACENE	0.035		0.0017	LOD	0.0021	LOQ	mg/kg	J	Ms, Ms
BENZO(A)PYRENE	0.039		0.0017	LOD	0.0021	LOQ	mg/kg	J	Ms, Ms
BENZO(B)FLUORANTHENE	0.067		0.0017	LOD	0.0021	LOQ	mg/kg	J	Ms, Ms
BENZO(G,H,I)PERYLENE	0.0090		0.0017	LOD	0.0021	LOQ	mg/kg	J	Ms, Ms
BENZO(K)FLUORANTHENE	0.024		0.0017	LOD	0.0021	LOQ	mg/kg	J	Ms, Ms
CHRYSENE	0.038		0.0017	LOD	0.0021	LOQ	mg/kg	J	Ms, Ms
DIBENZO(A,H)ANTHRACENE	0.0037		0.0017	LOD	0.0021	LOQ	mg/kg	J-	Ms
FLUORANTHENE	0.085		0.0017	LOD	0.0021	LOQ	mg/kg	J	Ms, Ms
FLUORENE	0.0018	J	0.0017	LOD	0.0021	LOQ	mg/kg	J	RI
INDENO(1,2,3-CD)PYRENE	0.011		0.0017	LOD	0.0021	LOQ	mg/kg	J	Ms, Ms
PHENANTHRENE	0.033		0.0017	LOD	0.0021	LOQ	mg/kg	J	Ms, Ms, Ms
PYRENE	0.062		0.0017	LOD	0.0021	LOQ	mg/kg	J	Ms, Ms

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Reason Code Legend

Reason Code	*Description*
Eb	Equipment Blank Contamination
Fd	Field Duplicate Precision
Ld	Laboratory Duplicate Precision
Mb	Method Blank Contamination
Ms	Matrix Spike Lower Estimation
Ms	Matrix Spike Precision
Ms	Matrix Spike Upper Estimation
ProfJudg	Professional Judgment
RI	Reporting Limit Trace Value
StoE	Sampling to Extraction Estimation
StoE	Sampling to Extraction Rejection
Surr	Surrogate/Tracer Recovery Lower Estimation

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

QC Outlier Report: HoldingTimes

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D **Preparation Method: SW3546**

Matrix: SOIL

Sample ID	Type	Actual	Criteria	Units	Flag
DU07-S005-00-01-X (Reanalysis-01)	Sampling To Extraction	22.00	14.00	DAYS	J- (all detects)
DU07-S006-01-03-X (Reanalysis-01)		25.00	14.00	DAYS	UJ (all non-detects)
DU07-S006-01-03-XMS (Reanalysis-		25.00	14.00	DAYS	
DU07-S006-01-03-XMSD (Reanalysi		25.00	14.00	DAYS	

Method: 8270D SIM **Preparation Method: SW3546**

Matrix: SOIL

Sample ID	Type	Actual	Criteria	Units	Flag
DU07-S005-01-02D-X (Reanalysis-0	Sampling To Extraction	41.00	14.00	DAYS	J-(all detects)
DU07-S011-01-03-X (Reanalysis-01)		41.00	14.00	DAYS	R(all non-detects)

Surrogate Outlier Report

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D**
Matrix: **SOIL**

Sample ID (Analysis Type)	*Surrogate*	*Sample % Recovery*	*% Recovery Limits*	*Affected Compounds*	*Flag*
DU07-S005-00-01 (Initial)	2,4,6-TRIBROMOPHENOL Terphenyl-d14	35 43	39.00-132.00 54.00-127.00	No Affected Compounds	

Method: **8270D SIM**
Matrix: **SOIL**

Sample ID (Analysis Type)	*Surrogate*	*Sample % Recovery*	*% Recovery Limits*	*Affected Compounds*	*Flag*
DU07-S011-00-01 (Initial)	1-Methylnaphthalene-d10	50	52.00-110.00	No Affected Compounds	

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SOIL

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
DU07-S002-01-02MS (Wet) DU07-S002-01-02MSD (Wet) (DU07-S002-01-02)	ANTIMONY ARSENIC POTASSIUM SELENIUM SILVER SODIUM THALLIUM	- 62 84 - - - -	- - - - - - -	72.00-124.00 82.00-118.00 85.00-119.00 80.00-119.00 83.00-118.00 79.00-125.00 83.00-118.00	30 (20.00) 23 (20.00) 21 (20.00) 21 (20.00) 21 (20.00) 24 (20.00) 22 (20.00)	ANTIMONY ARSENIC POTASSIUM SELENIUM SILVER SODIUM THALLIUM	J (all detects) UJ (all non-detects)
DU07-S002-01-02MS (Wet) (DU07-S002-01-02)	MAGNESIUM	74	-	80.00-123.00	-	MAGNESIUM	J-(all detects) UJ(all non-detects)
DU07-S002-01-02MS (Wet) DU07-S002-01-02MSD (Wet) (DU07-S002-01-02)	ALUMINUM BARIUM CALCIUM IRON MANGANESE VANADIUM ZINC	355 119 147 128 176 141 207	391 142 130 412 176 138 206	78.00-124.00 86.00-116.00 86.00-118.00 81.00-124.00 85.00-116.00 82.00-116.00 82.00-119.00	- - - - - - -	ALUMINUM BARIUM CALCIUM IRON MANGANESE VANADIUM ZINC	J+(all detects)
DU07-S006-01-03MS (Wet) DU07-S006-01-03MSD (Wet) (DU07-S006-01-03)	MAGNESIUM MANGANESE	223 272	- 134	80.00-123.00 85.00-116.00	32 (20.00) 27 (20.00)	MAGNESIUM MANGANESE	J(all detects) UJ(all non-detects)
DU07-S006-01-03MS (Wet) DU07-S006-01-03MSD (Wet) (DU07-S006-01-03)	ANTIMONY	66	65	72.00-124.00	-	ANTIMONY	J-(all detects) UJ(all non-detects)
DU07-S006-01-03MS (Wet) DU07-S006-01-03MSD (Wet) (DU07-S006-01-03)	ALUMINUM BARIUM BERYLLIUM CALCIUM CHROMIUM IRON LEAD SELENIUM VANADIUM ZINC	432 139 - 159 - 687 119 - 119 206	485 229 133 145 167 1058 216 132 - 213	78.00-124.00 86.00-116.00 80.00-120.00 86.00-118.00 83.00-119.00 81.00-124.00 84.00-118.00 80.00-119.00 82.00-116.00 82.00-119.00	- - - - - - - - - -	ALUMINUM BARIUM BERYLLIUM CALCIUM CHROMIUM IRON LEAD SELENIUM VANADIUM ZINC	J+(all detects)

Method: 8270D
Matrix: SOIL

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
DU07-S002-01-02MSD (DU07-S002-01-02)	2-CHLORONAPHTHALENE 4-Chloroaniline [p-Chloroaniline]	- -	118 -	41.00-114.00 17.00-106.00	42 (20.00) 62 (20.00)	2-CHLORONAPHTHALENE 4-Chloroaniline [p-Chloroaniline]	J(all detects)
DU07-S010-01-03MSD (DU07-S010-01-03)	4-Chloroaniline [p-Chloroaniline]	-	-	17.00-106.00	39 (20.00)	4-Chloroaniline [p-Chloroaniline]	J(all detects)
DU07-S010-01-03MS DU07-S010-01-03MSD (DU07-S010-01-03)	2-CHLORONAPHTHALENE	121	121	41.00-114.00	-	2-CHLORONAPHTHALENE	J+(all detects)

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D**
Matrix: **SOIL**

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
DU07-S006-01-03MSD (DU07-S006-01-03)	1,1-BIPHENYL	-	-	40.00-117.00	27 (20.00)	1,1-BIPHENYL	
	1-METHYLNAPHTHALENE	-	-	40.00-119.00	24 (20.00)	1-METHYLNAPHTHALENE	
	2-METHYLNAPHTHALENE	-	-	38.00-122.00	25 (20.00)	2-METHYLNAPHTHALENE	
	3/4-Methylphenol [m/p-Cresol]	-	-	42.00-126.00	22 (20.00)	3/4-Methylphenol [m/p-Cresol]	
	4-CHLORO-3-METHYLPHENOL	-	-	45.00-122.00	22 (20.00)	4-CHLORO-3-METHYLPHENOL	
	ACENAPHTHENE	-	-	40.00-123.00	25 (20.00)	ACENAPHTHENE	
	ACENAPHTHYLENE	-	-	32.00-132.00	26 (20.00)	ACENAPHTHYLENE	
	ANTHRACENE	-	-	47.00-123.00	31 (20.00)	ANTHRACENE	J(all detects)
	BIS(2-ETHYLHEXYL) PHTHALATE	-	-	51.00-133.00	32 (20.00)	BIS(2-ETHYLHEXYL) PHTHALATI	
	Butyl benzyl phthalate	-	-	48.00-132.00	32 (20.00)	Butyl benzyl phthalate	
	DIBENZOFURAN	-	-	44.00-120.00	24 (20.00)	DIBENZOFURAN	
	DIMETHYL PHTHALATE	-	-	48.00-124.00	24 (20.00)	DIMETHYL PHTHALATE	
	DI-N-OCTYL PHTHALATE	-	-	45.00-140.00	39 (20.00)	DI-N-OCTYL PHTHALATE	
	FLUORENE	-	-	43.00-125.00	27 (20.00)	FLUORENE	
	NAPHTHALENE	-	-	35.00-123.00	25 (20.00)	NAPHTHALENE	
DU07-S006-01-03MS DU07-S006-01-03MSD (DU07-S006-01-03)	BENZ(A)ANTHRACENE	44	-	49.00-126.00	34 (20.00)	BENZ(A)ANTHRACENE	
	Benzo (g,h,i) perylene	36	-	43.00-134.00	41 (20.00)	Benzo (g,h,i) perylene	
	BENZO(A)PYRENE	36	-	45.00-129.00	38 (20.00)	BENZO(A)PYRENE	
	BENZO(B)FLUORANTHENE	40	-	45.00-132.00	38 (20.00)	BENZO(B)FLUORANTHENE	
	BENZO(K)FLUORANTHENE	42	-	47.00-132.00	38 (20.00)	BENZO(K)FLUORANTHENE	
	CAPROLACTAM	-	0	46.00-117.00	200 (20.00)	CAPROLACTAM	
	CARBAZOLE	42	-	50.00-123.00	32 (20.00)	CARBAZOLE	J(all detects) UJ(all non-detects)
	CHRYSENE	44	-	50.00-124.00	31 (20.00)	CHRYSENE	
	DIBENZO(A,H)ANTHRACENE	41	-	45.00-134.00	40 (20.00)	DIBENZO(A,H)ANTHRACENE	
	DIETHYL PHTHALATE	49	-	50.00-124.00	26 (20.00)	DIETHYL PHTHALATE	
	DI-N-BUTYL PHTHALATE	49	-	51.00-128.00	32 (20.00)	DI-N-BUTYL PHTHALATE	
	FLUORANTHENE	42	-	50.00-127.00	31 (20.00)	FLUORANTHENE	
	INDENO(1,2,3-CD)PYRENE	39	-	45.00-133.00	40 (20.00)	INDENO(1,2,3-CD)PYRENE	
	PHENANTHRENE	47	-	50.00-121.00	31 (20.00)	PHENANTHRENE	
	PYRENE	44	-	47.00-127.00	29 (20.00)	PYRENE	
DU07-S006-01-03MS DU07-S006-01-03MSD (DU07-S006-01-03)	4-Chloroaniline [p-Chloroaniline]	0	0	17.00-106.00	-	4-Chloroaniline [p-Chloroaniline]	J-(all detects) UJ(all non-detects)
DU07-S006-01-03-XMSD (DU07-S006-01-03-X)	1,1-BIPHENYL	-	-	40.00-117.00	33 (20.00)	1,1-BIPHENYL	
	1,4-DICHLOROBENZENE	-	-	31.00-115.00	22 (20.00)	1,4-DICHLOROBENZENE	
	1-METHYLNAPHTHALENE	-	-	40.00-119.00	31 (20.00)	1-METHYLNAPHTHALENE	
	2-CHLORONAPHTHALENE	-	-	41.00-114.00	21 (20.00)	2-CHLORONAPHTHALENE	
	2-METHYLNAPHTHALENE	-	-	38.00-122.00	30 (20.00)	2-METHYLNAPHTHALENE	
	2-Methylphenol (o-Cresol)	-	-	32.00-122.00	28 (20.00)	2-Methylphenol (o-Cresol)	
	3/4-Methylphenol [m/p-Cresol]	-	-	42.00-126.00	28 (20.00)	3/4-Methylphenol [m/p-Cresol]	
	4-CHLORO-3-METHYLPHENOL	-	-	45.00-122.00	33 (20.00)	4-CHLORO-3-METHYLPHENOL	
	ACENAPHTHENE	-	-	40.00-123.00	35 (20.00)	ACENAPHTHENE	
	ACENAPHTHYLENE	-	-	32.00-132.00	33 (20.00)	ACENAPHTHYLENE	
	ANTHRACENE	-	-	47.00-123.00	35 (20.00)	ANTHRACENE	
	Benzo (g,h,i) perylene	-	-	43.00-134.00	34 (20.00)	Benzo (g,h,i) perylene	
	BENZO(B)FLUORANTHENE	-	-	45.00-132.00	35 (20.00)	BENZO(B)FLUORANTHENE	
	BENZO(K)FLUORANTHENE	-	-	47.00-132.00	31 (20.00)	BENZO(K)FLUORANTHENE	
	BENZOIC ACID	-	-	16.00-125.00	31 (30.00)	BENZOIC ACID	J(all detects)
	BIS(2-ETHYLHEXYL) PHTHALATE	-	-	51.00-133.00	36 (20.00)	BIS(2-ETHYLHEXYL) PHTHALATI	
	Butyl benzyl phthalate	-	-	48.00-132.00	36 (20.00)	Butyl benzyl phthalate	
	DIBENZO(A,H)ANTHRACENE	-	-	45.00-134.00	38 (20.00)	DIBENZO(A,H)ANTHRACENE	
	DIBENZOFURAN	-	-	44.00-120.00	31 (20.00)	DIBENZOFURAN	
	DIETHYL PHTHALATE	-	-	50.00-124.00	32 (20.00)	DIETHYL PHTHALATE	
	DIMETHYL PHTHALATE	-	-	48.00-124.00	34 (20.00)	DIMETHYL PHTHALATE	
	DI-N-BUTYL PHTHALATE	-	-	51.00-128.00	35 (20.00)	DI-N-BUTYL PHTHALATE	
	DI-N-OCTYL PHTHALATE	-	-	45.00-140.00	36 (20.00)	DI-N-OCTYL PHTHALATE	
	FLUORENE	-	-	43.00-125.00	31 (20.00)	FLUORENE	
	INDENO(1,2,3-CD)PYRENE	-	-	45.00-133.00	34 (20.00)	INDENO(1,2,3-CD)PYRENE	
	NAPHTHALENE	-	-	35.00-123.00	28 (20.00)	NAPHTHALENE	
	PHENANTHRENE	-	-	50.00-121.00	34 (20.00)	PHENANTHRENE	
	PYRENE	-	-	47.00-127.00	32 (20.00)	PYRENE	

Project Name and Number: Camp Hero - Camp Hero

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D
Matrix: SOIL

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
DU07-S006-01-03-XMS DU07-S006-01-03-XMSD (DU07-S006-01-03-X)	BENZ(A)ANTHRACENE BENZO(A)PYRENE CAPROLACTAM CARBAZOLE CHRYSENE FLUORANTHENE	48 43 44 47 46 45	- - - - - -	49.00-126.00 45.00-129.00 46.00-117.00 50.00-123.00 50.00-124.00 50.00-127.00	32 (20.00) 31 (20.00) 31 (20.00) 30 (20.00) 32 (20.00) 30 (20.00)	BENZ(A)ANTHRACENE BENZO(A)PYRENE CAPROLACTAM CARBAZOLE CHRYSENE FLUORANTHENE	J(all detects) UJ(all non-detects)
DU07-S006-01-03-XMS DU07-S006-01-03-XMSD (DU07-S006-01-03-X)	4-Chloroaniline [p-Chloroaniline]	0	0	17.00-106.00	-	4-Chloroaniline [p-Chloroaniline]	J-(all detects) UJ(all non-detects)

Method: 6020A
Matrix: SOIL

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
DU07-S010-01-03MS (Wet) DU07-S010-01-03MSD (Wet) (DU07-S010-01-03)	IRON MAGNESIUM	-102 -	1358 194	81.00-124.00 80.00-123.00	38 (20.00) 29 (20.00)	IRON MAGNESIUM	J(all detects) UJ(all non-detects)
DU07-S010-01-03MS (Wet) DU07-S010-01-03MSD (Wet) (DU07-S010-01-03)	ALUMINUM BARIUM CALCIUM CHROMIUM MANGANESE ZINC	500 - - - - 201	130 122 137 134 182 195	78.00-124.00 86.00-116.00 86.00-118.00 83.00-119.00 85.00-116.00 82.00-119.00	- - - - - -	ALUMINUM BARIUM CALCIUM CHROMIUM MANGANESE ZINC	J+(all detects)
DU07-S015-01-03MS (Wet) DU07-S015-01-03MSD (Wet) (DU07-S015-01-03)	LEAD	57	-	84.00-118.00	27 (20.00)	LEAD	J(all detects) UJ(all non-detects)
DU07-S015-01-03MS (Wet) DU07-S015-01-03MSD (Wet) (DU07-S015-01-03)	ANTIMONY ARSENIC IRON MANGANESE	64 81 -243 -56	68 81 -127 30	72.00-124.00 82.00-118.00 81.00-124.00 85.00-116.00	- - - -	ANTIMONY ARSENIC IRON MANGANESE	J-(all detects) UJ(all non-detects)
DU07-S015-01-03MS (Wet) DU07-S015-01-03MSD (Wet) (DU07-S015-01-03)	ALUMINUM BARIUM CHROMIUM ZINC	464 - 123 201	397 124 - 205	78.00-124.00 86.00-116.00 83.00-119.00 82.00-119.00	- - - -	ALUMINUM BARIUM CHROMIUM ZINC	J+(all detects)

Method: 8270D SIM
Matrix: SOIL

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
DU07-S002-01-02MS DU07-S002-01-02MSD (DU07-S002-01-02)	BENZO(G,H,I)PERYLENE INDENO(1,2,3-CD)PYRENE	36 46	36 45	49.00-127.00 49.00-130.00	- -	BENZO(G,H,I)PERYLENE INDENO(1,2,3-CD)PYRENE	J-(all detects) UJ(all non-detects)
DU07-S015-01-03MSD (DU07-S015-01-03)	ANTHRACENE	-	-	50.00-114.00	42 (20.00)	ANTHRACENE	J(all detects)

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**
Matrix: **SOIL**

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
DU07-S015-01-03MS DU07-S015-01-03MSD (DU07-S015-01-03)	BENZ(A)ANTHRACENE BENZO(A)PYRENE BENZO(B)FLUORANTHENE BENZO(G,H,I)PERYLENE BENZO(K)FLUORANTHENE CHRYSENE FLUORANTHENE INDENO(1,2,3-CD)PYRENE PHENANTHRENE PYRENE	- - - 32 - - - 43 145 -	13 1 -40 17 55 -1 -109 24 8 -52	54.00-122.00 50.00-125.00 53.00-128.00 49.00-127.00 56.00-123.00 57.00-118.00 55.00-119.00 49.00-130.00 49.00-113.00 55.00-117.00	56 (20.00) 49 (20.00) 58 (20.00) 33 (20.00) 27 (20.00) 54 (20.00) 98 (20.00) 32 (20.00) 88 (20.00) 83 (20.00)	BENZ(A)ANTHRACENE BENZO(A)PYRENE BENZO(B)FLUORANTHENE BENZO(G,H,I)PERYLENE BENZO(K)FLUORANTHENE CHRYSENE FLUORANTHENE INDENO(1,2,3-CD)PYRENE PHENANTHRENE PYRENE	J(all detects) UJ(all non-detects)
DU07-S015-01-03MSD (DU07-S015-01-03)	DIBENZO(A,H)ANTHRACENE	-	45	50.00-129.00	-	DIBENZO(A,H)ANTHRACENE	J-(all detects) UJ(all non-detects)
DU07-S006-01-03MS DU07-S006-01-03MSD (DU07-S006-01-03)	1-METHYLNAPHTHALENE 2-METHYLNAPHTHALENE ACENAPHTHENE ACENAPHTHYLENE BENZ(A)ANTHRACENE BENZO(A)PYRENE BENZO(B)FLUORANTHENE BENZO(G,H,I)PERYLENE BENZO(K)FLUORANTHENE CHRYSENE DIBENZO(A,H)ANTHRACENE FLUORENE INDENO(1,2,3-CD)PYRENE NAPHTHALENE PYRENE	- - - - 53 - - 22 53 47 35 - 29 - 43	35 37 37 24 28 22 16 8 30 18 17 26 11 35 22	43.00-111.00 39.00-114.00 44.00-111.00 39.00-116.00 54.00-122.00 50.00-125.00 53.00-128.00 49.00-127.00 56.00-123.00 57.00-118.00 50.00-129.00 47.00-114.00 49.00-130.00 38.00-111.00 55.00-117.00	41 (20.00) 44 (20.00) 52 (20.00) 49 (20.00) 54 (20.00) 67 (20.00) 67 (20.00) 72 (20.00) 49 (20.00) 58 (20.00) 68 (20.00) 77 (20.00) 72 (20.00) 40 (20.00) 48 (20.00)	1-METHYLNAPHTHALENE 2-METHYLNAPHTHALENE ACENAPHTHENE ACENAPHTHYLENE BENZ(A)ANTHRACENE BENZO(A)PYRENE BENZO(B)FLUORANTHENE BENZO(G,H,I)PERYLENE BENZO(K)FLUORANTHENE CHRYSENE DIBENZO(A,H)ANTHRACENE FLUORENE INDENO(1,2,3-CD)PYRENE NAPHTHALENE PYRENE	J(all detects) UJ(all non-detects)
DU07-S006-01-03MS DU07-S006-01-03MSD (DU07-S006-01-03)	ANTHRACENE FLUORANTHENE PHENANTHRENE	38 34 46	31 26 39	50.00-114.00 55.00-119.00 49.00-113.00	- - -	ANTHRACENE FLUORANTHENE PHENANTHRENE	J-(all detects) UJ(all non-detects)
DU07-S010-01-03MS DU07-S010-01-03MSD (DU07-S010-01-03)	BENZO(G,H,I)PERYLENE DIBENZO(A,H)ANTHRACENE INDENO(1,2,3-CD)PYRENE	34 47 43	37 - 47	49.00-127.00 50.00-129.00 49.00-130.00	- - -	BENZO(G,H,I)PERYLENE DIBENZO(A,H)ANTHRACENE INDENO(1,2,3-CD)PYRENE	J-(all detects) UJ(all non-detects)
DU07-S005-01-02DMSD (DU07-S005-01-02D)	ANTHRACENE	-	-	50.00-114.00	22 (20.00)	ANTHRACENE	J(all detects)
DU07-S005-01-02DMS DU07-S005-01-02DMSD (DU07-S005-01-02D)	FLUORANTHENE	-3	16	55.00-119.00	21 (20.00)	FLUORANTHENE	J(all detects) UJ(all non-detects)
DU07-S005-01-02DMS DU07-S005-01-02DMSD (DU07-S005-01-02D)	BENZO(B)FLUORANTHENE BENZO(K)FLUORANTHENE CHRYSENE PYRENE	20 - 41 25	19 53 39 24	53.00-128.00 56.00-123.00 57.00-118.00 55.00-117.00	- - - -	BENZO(B)FLUORANTHENE BENZO(K)FLUORANTHENE CHRYSENE PYRENE	J-(all detects) UJ(all non-detects)

Lab Duplicate Outlier Report

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SOIL

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
DU07-S015-01-03DUP (Wet) (DU07-S015-01-03)	COPPER	25	20.00	J (all detects)
	POTASSIUM	28	20.00	UJ (all non-detects)

Method: 7471B
Matrix: SOIL

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
DU07-S015-01-03DUP (Wet) (DU07-S015-01-03)	MERCURY	200	20.00	J(all detects) UJ(all non-detects)

Method: 6020A
Matrix: SOIL

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
DU07-S006-01-03DUP (Wet) (DU07-S006-01-03)	ARSENIC	25	20.00	
	BERYLLIUM	33	20.00	
	CADMIUM	46	20.00	J(all detects)
	COBALT	21	20.00	UJ(all non-detects)
	MAGNESIUM	23	20.00	
	MANGANESE	21	20.00	

Method: 7471B
Matrix: SOIL

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
DU07-S006-01-03DUP (Wet) (DU07-S006-01-03)	MERCURY	52	20.00	J(all detects) UJ(all non-detects)

Method: 6020A
Matrix: SOIL

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
DU07-S010-01-03DUP (Wet) (DU07-S010-01-03)	CALCIUM	28	20.00	J(all detects)
	THALLIUM	37	20.00	UJ(all non-detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SOIL

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU07-S005-01-02 (Dry)	DU07-S005-01-02D (Dry)			
ALUMINUM	12400	12700	2	30.00	
ARSENIC	2.40	2.28	5	30.00	
BARIUM	30.1	30.8	2	30.00	
BERYLLIUM	0.506	0.471	7	30.00	
CALCIUM	473	474	0	30.00	
CHROMIUM	17.6	17.2	2	30.00	
COBALT	4.66	4.86	4	30.00	
COPPER	6.38	6.17	3	30.00	
IRON	11800	11800	0	30.00	
LEAD	4.44	4.45	0	30.00	No Qualifiers Applied
MAGNESIUM	2490	2600	4	30.00	
MANGANESE	90.8	97.8	7	30.00	
NICKEL	11.7	12.2	4	30.00	
POTASSIUM	579	653	12	30.00	
SELENIUM	0.319	0.341	7	30.00	
SODIUM	75.6	78.9	4	30.00	
THALLIUM	0.120	0.137	13	30.00	
VANADIUM	23.9	24.5	2	30.00	
ZINC	22.5	24.2	7	30.00	

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU07-S011-01-03 (Dry)	DU07-S011-01-03D (Dry)			
ARSENIC	0.722	0.962	29	30.00	
BARIUM	17.9	17.0	5	30.00	
BERYLLIUM	0.154	0.202	27	30.00	
CALCIUM	773	781	1	30.00	
CHROMIUM	11.1	14.2	25	30.00	
COBALT	1.17	1.26	7	30.00	
COPPER	1.08	1.27	16	30.00	
LEAD	2.90	3.91	30	30.00	No Qualifiers Applied
MAGNESIUM	861	994	14	30.00	
MANGANESE	33.9	36.7	8	30.00	
NICKEL	3.68	4.24	14	30.00	
POTASSIUM	432	471	9	30.00	
SODIUM	64.1	84.5	27	30.00	
THALLIUM	0.0341	0.0445	26	30.00	
ZINC	9.41	12.4	27	30.00	
ALUMINUM	6590	9800	39	30.00	
IRON	3230	4470	32	30.00	J(all detects)
SELENIUM	0.378	0.806	72	30.00	UJ(all non-detects)
VANADIUM	7.92	11.1	33	30.00	

Method: 7199
Matrix: SOIL

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU07-S011-01-03 (Dry)	DU07-S011-01-03D (Dry)			
Hexavalent Chromium [Cr (VI)]	2.0	0.49 U	200	30.00	J(all detects) UJ(all non-detects)

Project Name and Number: Camp Hero - Camp Hero

Field Duplicate RPD Report

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 7471B
Matrix: SOIL

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU07-S005-01-02 (Dry)	DU07-S005-01-02D (Dry)			
MERCURY	0.0192	0.0187	3	30.00	No Qualifiers Applied

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU07-S011-01-03 (Dry)	DU07-S011-01-03D (Dry)			
MERCURY	0.0147	0.0225	42	30.00	J(all detects) UJ(all non-detects)

Method: 8270D SIM
Matrix: SOIL

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU07-S005-01-02	DU07-S005-01-02D			
ACENAPHTHYLENE	0.00065	0.00055	17	30.00	No Qualifiers Applied
ANTHRACENE	0.0024	0.00081	99	30.00	J(all detects) UJ(all non-detects)
BENZ(A)ANTHRACENE	0.0084	0.0030	95	30.00	
BENZO(A)PYRENE	0.0076	0.0035	74	30.00	
BENZO(B)FLUORANTHENE	0.013	0.0060	74	30.00	
BENZO(G,H,I)PERYLENE	0.0020	0.0010	67	30.00	
BENZO(K)FLUORANTHENE	0.0045	0.0025	57	30.00	
CHRYSENE	0.0083	0.0038	74	30.00	
DIBENZO(A,H)ANTHRACENE	0.00085	0.0018 U	200	30.00	
FLUORANTHENE	0.017	0.0075	78	30.00	
INDENO(1,2,3-CD)PYRENE	0.0025	0.0012	70	30.00	
NAPHTHALENE	0.0025	0.00099	87	30.00	
PHENANTHRENE	0.0085	0.0038	76	30.00	
PYRENE	0.014	0.0061	79	30.00	

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU07-S011-01-03	DU07-S011-01-03D			
ANTHRACENE	0.0017	0.0017	0	30.00	No Qualifiers Applied
1-METHYLNAPHTHALENE	0.0010	0.0021 U	200	30.00	J(all detects) UJ(all non-detects)
2-METHYLNAPHTHALENE	0.0013	0.0021 U	200	30.00	
ACENAPHTHENE	0.0080	0.013	48	30.00	
ACENAPHTHYLENE	0.00078	0.0021 U	200	30.00	
BENZ(A)ANTHRACENE	0.0019	0.0050	90	30.00	
BENZO(A)PYRENE	0.0016	0.0052	106	30.00	
BENZO(B)FLUORANTHENE	0.0031	0.0099	105	30.00	
BENZO(G,H,I)PERYLENE	0.0020 U	0.0017	200	30.00	
BENZO(K)FLUORANTHENE	0.0012	0.0035	98	30.00	
CHRYSENE	0.0023	0.0056	84	30.00	
FLUORANTHENE	0.0056	0.013	80	30.00	
INDENO(1,2,3-CD)PYRENE	0.0020 U	0.0018	200	30.00	
NAPHTHALENE	0.0023	0.0016	36	30.00	
PHENANTHRENE	0.0041	0.0057	33	30.00	
PYRENE	0.0041	0.0096	80	30.00	

Field Duplicate RPD Report

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D
Matrix: SOIL

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU07-S005-01-02	DU07-S005-01-02D			
Benzo (g,h,i) perylene	0.006	0.005	18	30.00	No Qualifiers Applied
BENZ(A)ANTHRACENE	0.009	0.004	77	30.00	J(all detects) UJ(all non-detects)
BENZO(A)PYRENE	0.009	0.006	40	30.00	
BENZO(B)FLUORANTHENE	0.011	0.007	44	30.00	
BENZO(K)FLUORANTHENE	0.007	0.004	55	30.00	
CHRYSENE	0.009	0.006	40	30.00	
FLUORANTHENE	0.016	0.008	67	30.00	
INDENO(1,2,3-CD)PYRENE	0.007	0.004	55	30.00	
PHENANTHRENE	0.009	0.004	77	30.00	
PYRENE	0.017	0.008	72	30.00	

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU07-S011-01-03	DU07-S011-01-03D			
ANTHRACENE	0.021 U	0.005	200	30.00	J(all detects) UJ(all non-detects)
BENZ(A)ANTHRACENE	0.021 U	0.006	200	30.00	
BENZALDEHYDE	0.20 U	0.089	200	30.00	
Benzo (g,h,i) perylene	0.021 U	0.008	200	30.00	
BENZO(A)PYRENE	0.004	0.009	77	30.00	
BENZO(B)FLUORANTHENE	0.004	0.009	77	30.00	
BENZO(K)FLUORANTHENE	0.021 U	0.004	200	30.00	
BENZOIC ACID	0.61 U	0.41	200	30.00	
CHRYSENE	0.004	0.007	55	30.00	
FLUORANTHENE	0.005	0.012	82	30.00	
INDENO(1,2,3-CD)PYRENE	0.021 U	0.006	200	30.00	
NAPHTHALENE	0.021 U	0.005	200	30.00	
PHENANTHRENE	0.005	0.007	33	30.00	
PYRENE	0.006	0.012	67	30.00	

Method: 9045D
Matrix: SOIL

Analyte	Concentration (pH Units)		Sample RPD	eQAPP RPD	Flag
	DU07-S011-01-03	DU07-S011-01-03D			
PH	5.82	5.82	0	30.00	No Qualifiers Applied

Method: Calculation
Matrix: SOIL

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU07-S011-01-03 (Dry)	DU07-S011-01-03D (Dry)			
TRIVALENT CHROMIUM	9.1	14.2	44	20.00	J(all detects) UJ(all non-detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: D1498
Matrix: SOIL

Analyte	Concentration (mV)		Sample RPD	eQAPP RPD	Flag
	DU07-S011-01-03	DU07-S011-01-03D			
Oxidation Reduction Potential (ORP)	419	402	4	30.00	No Qualifiers Applied

Reporting Limit Outliers

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU07-S002-00-01	CADMIUM	J	0.0417	0.184	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.220	0.738	LOQ	mg/kg	
	SILVER	J	0.0351	0.184	LOQ	mg/kg	
	SODIUM	J	65.3	73.8	LOQ	mg/kg	
	THALLIUM	J	0.0719	0.184	LOQ	mg/kg	
DU07-S002-01-02	SELENIUM	J	0.207	0.720	LOQ	mg/kg	J (all detects)
	THALLIUM	J	0.0752	0.180	LOQ	mg/kg	
DU07-S005-00-01	CADMIUM	J	0.0631	0.202	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.323	0.807	LOQ	mg/kg	
	SILVER	J	0.0366	0.202	LOQ	mg/kg	
	THALLIUM	J	0.0782	0.202	LOQ	mg/kg	
DU07-S005-01-02	SELENIUM	J	0.319	0.707	LOQ	mg/kg	J (all detects)
	THALLIUM	J	0.120	0.177	LOQ	mg/kg	
DU07-S005-01-02D	SELENIUM	J	0.341	0.814	LOQ	mg/kg	J (all detects)
	SODIUM	J	78.9	81.4	LOQ	mg/kg	
	THALLIUM	J	0.137	0.204	LOQ	mg/kg	
DU07-S006-00-01	CADMIUM	J	0.0393	0.219	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.244	0.874	LOQ	mg/kg	
	THALLIUM	J	0.145	0.219	LOQ	mg/kg	
DU07-S006-01-03	CADMIUM	J	0.0708	0.189	LOQ	mg/kg	J (all detects)
	SILVER	J	0.0286	0.189	LOQ	mg/kg	
	THALLIUM	J	0.127	0.189	LOQ	mg/kg	
DU07-S007-00-01	CADMIUM	J	0.0677	0.226	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.282	0.905	LOQ	mg/kg	
	THALLIUM	J	0.202	0.226	LOQ	mg/kg	
DU07-S007-01-02	CADMIUM	J	0.0414	0.187	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.206	0.748	LOQ	mg/kg	
DU07-S009-00-01	ANTIMONY	J	0.139	0.525	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.0799	0.263	LOQ	mg/kg	
	SELENIUM	J	0.424	1.05	LOQ	mg/kg	
	SILVER	J	0.0436	0.263	LOQ	mg/kg	
	SODIUM	J	98.5	105	LOQ	mg/kg	
	THALLIUM	J	0.138	0.263	LOQ	mg/kg	
DU07-S009-01-02	SELENIUM	J	0.373	0.875	LOQ	mg/kg	J (all detects)
	SODIUM	J	82.1	87.5	LOQ	mg/kg	
	THALLIUM	J	0.101	0.219	LOQ	mg/kg	
DU07-S010-00-01	ANTIMONY	J	0.184	0.512	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.0898	0.256	LOQ	mg/kg	
	CADMIUM	J	0.0930	0.256	LOQ	mg/kg	
	SELENIUM	J	0.837	1.02	LOQ	mg/kg	
	SILVER	J	0.0480	0.256	LOQ	mg/kg	
	THALLIUM	J	0.0702	0.256	LOQ	mg/kg	
DU07-S010-01-03	SELENIUM	J	0.514	0.954	LOQ	mg/kg	J (all detects)
	SODIUM	J	67.3	95.4	LOQ	mg/kg	
	THALLIUM	J	0.0489	0.239	LOQ	mg/kg	
DU07-S011-00-01	BERYLLIUM	J	0.150	0.242	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.0554	0.242	LOQ	mg/kg	
	SODIUM	J	77.9	96.6	LOQ	mg/kg	
	THALLIUM	J	0.0789	0.242	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU07-S011-01-03	ARSENIC	J	0.722	0.821	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.154	0.205	LOQ	mg/kg	
	SELENIUM	J	0.378	0.821	LOQ	mg/kg	
	SODIUM	J	64.1	82.1	LOQ	mg/kg	
	THALLIUM	J	0.0341	0.205	LOQ	mg/kg	
DU07-S011-01-03D	BERYLLIUM	J	0.202	0.228	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.806	0.912	LOQ	mg/kg	
	SODIUM	J	84.5	91.2	LOQ	mg/kg	
	THALLIUM	J	0.0445	0.228	LOQ	mg/kg	
DU07-S014-00-01	CADMIUM	J	0.116	0.280	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.399	1.12	LOQ	mg/kg	
	SODIUM	J	91.0	112	LOQ	mg/kg	
	THALLIUM	J	0.0881	0.280	LOQ	mg/kg	
DU07-S014-01-02	CADMIUM	J	0.0893	0.251	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.395	1.00	LOQ	mg/kg	
	SODIUM	J	85.6	100	LOQ	mg/kg	
	THALLIUM	J	0.0763	0.251	LOQ	mg/kg	
DU07-S015-00-01	CADMIUM	J	0.0489	0.225	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.200	0.901	LOQ	mg/kg	
	SILVER	J	0.0342	0.225	LOQ	mg/kg	
	THALLIUM	J	0.0743	0.225	LOQ	mg/kg	
DU07-S015-01-03	BERYLLIUM	J	0.214	0.234	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.256	0.936	LOQ	mg/kg	
	SODIUM	J	78.3	93.6	LOQ	mg/kg	
	THALLIUM	J	0.0911	0.234	LOQ	mg/kg	

Method: 7471B

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU07-S002-00-01	MERCURY	J	0.0310	0.108	LOQ	mg/kg	J (all detects)
DU07-S002-01-02	MERCURY	J	0.0174	0.105	LOQ	mg/kg	J (all detects)
DU07-S005-00-01	MERCURY	J	0.0460	0.117	LOQ	mg/kg	J (all detects)
DU07-S005-01-02	MERCURY	J	0.0192	0.113	LOQ	mg/kg	J (all detects)
DU07-S005-01-02D	MERCURY	J	0.0187	0.110	LOQ	mg/kg	J (all detects)
DU07-S006-01-03	MERCURY	J	0.0342	0.122	LOQ	mg/kg	J (all detects)
DU07-S007-00-01	MERCURY	J	0.0171	0.117	LOQ	mg/kg	J (all detects)
DU07-S009-00-01	MERCURY	J	0.0542	0.138	LOQ	mg/kg	J (all detects)
DU07-S009-01-02	MERCURY	J	0.0380	0.139	LOQ	mg/kg	J (all detects)
DU07-S010-00-01	MERCURY	J	0.0621	0.152	LOQ	mg/kg	J (all detects)
DU07-S011-00-01	MERCURY	J	0.0527	0.142	LOQ	mg/kg	J (all detects)
DU07-S011-01-03	MERCURY	J	0.0147	0.120	LOQ	mg/kg	J (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 7471B

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU07-S011-01-03D	MERCURY	J	0.0225	0.122	LOQ	mg/kg	J (all detects)
DU07-S014-00-01	MERCURY	J	0.0433	0.140	LOQ	mg/kg	J (all detects)
DU07-S014-01-02	MERCURY	J	0.0151	0.131	LOQ	mg/kg	J (all detects)
DU07-S015-00-01	MERCURY	J	0.0276	0.122	LOQ	mg/kg	J (all detects)

Method: 8270D

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU07-S002-00-01	BENZ(A)ANTHRACENE	J	0.018	0.019	LOQ	mg/kg	J (all detects)
	Benzo (g,h,i) perylene	J	0.016	0.019	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.015	0.019	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.016	0.019	LOQ	mg/kg	
DU07-S002-01-02	BENZ(A)ANTHRACENE	J	0.007	0.019	LOQ	mg/kg	J (all detects)
	Benzo (g,h,i) perylene	J	0.007	0.019	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.008	0.019	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.012	0.019	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.005	0.019	LOQ	mg/kg	
	BENZOIC ACID	J	0.20	0.55	LOQ	mg/kg	
	CHRYSENE	J	0.009	0.019	LOQ	mg/kg	
	FLUORANTHENE	J	0.015	0.019	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.006	0.019	LOQ	mg/kg	
	PHENANTHRENE	J	0.007	0.019	LOQ	mg/kg	
	PYRENE	J	0.013	0.019	LOQ	mg/kg	
DU07-S005-00-01	ACENAPHTHENE	J	0.008	0.021	LOQ	mg/kg	J (all detects)
	ACENAPHTHYLENE	J	0.006	0.021	LOQ	mg/kg	
	ANTHRACENE	J	0.012	0.021	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.008	0.021	LOQ	mg/kg	
	FLUORENE	J	0.006	0.021	LOQ	mg/kg	
	NAPHTHALENE	J	0.012	0.021	LOQ	mg/kg	
DU07-S005-00-01-X	ACENAPHTHENE	J	0.005	0.021	LOQ	mg/kg	J (all detects)
	ACENAPHTHYLENE	J	0.011	0.021	LOQ	mg/kg	
	ANTHRACENE	J	0.013	0.021	LOQ	mg/kg	
	BENZALDEHYDE	J	0.11	0.21	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.011	0.021	LOQ	mg/kg	
	FLUORENE	J	0.007	0.021	LOQ	mg/kg	
	NAPHTHALENE	J	0.006	0.021	LOQ	mg/kg	
DU07-S005-01-02	BENZ(A)ANTHRACENE	J	0.009	0.019	LOQ	mg/kg	J (all detects)
	Benzo (g,h,i) perylene	J	0.006	0.019	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.009	0.019	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.011	0.019	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.007	0.019	LOQ	mg/kg	
	CHRYSENE	J	0.009	0.019	LOQ	mg/kg	
	FLUORANTHENE	J	0.016	0.019	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.007	0.019	LOQ	mg/kg	
	PHENANTHRENE	J	0.009	0.019	LOQ	mg/kg	
	PYRENE	J	0.017	0.019	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU07-S005-01-02D	BENZ(A)ANTHRACENE	J	0.004	0.019	LOQ	mg/kg	J (all detects)
	Benzo (g,h,i) perylene	J	0.005	0.019	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.006	0.019	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.007	0.019	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.004	0.019	LOQ	mg/kg	
	CHRYSENE	J	0.006	0.019	LOQ	mg/kg	
	FLUORANTHENE	J	0.008	0.019	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.004	0.019	LOQ	mg/kg	
	PHENANTHRENE	J	0.004	0.019	LOQ	mg/kg	
	PYRENE	J	0.008	0.019	LOQ	mg/kg	
DU07-S006-00-01	BENZ(A)ANTHRACENE	J	0.006	0.019	LOQ	mg/kg	J (all detects)
	Benzo (g,h,i) perylene	J	0.004	0.019	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.008	0.019	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.008	0.019	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.005	0.019	LOQ	mg/kg	
	CHRYSENE	J	0.006	0.019	LOQ	mg/kg	
	FLUORANTHENE	J	0.01	0.019	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.004	0.019	LOQ	mg/kg	
	PHENANTHRENE	J	0.005	0.019	LOQ	mg/kg	
	PYRENE	J	0.009	0.019	LOQ	mg/kg	
DU07-S006-01-03	BENZ(A)ANTHRACENE	J	0.006	0.021	LOQ	mg/kg	J (all detects)
	BENZALDEHYDE	J	0.085	0.21	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.006	0.021	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.016	0.021	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.006	0.021	LOQ	mg/kg	
	CHRYSENE	J	0.012	0.021	LOQ	mg/kg	
	FLUORANTHENE	J	0.011	0.021	LOQ	mg/kg	
	FLUORENE	J	0.007	0.021	LOQ	mg/kg	
	PHENANTHRENE	J	0.006	0.021	LOQ	mg/kg	
	PYRENE	J	0.011	0.021	LOQ	mg/kg	
DU07-S006-01-03-X	ANTHRACENE	J	0.009	0.021	LOQ	mg/kg	J (all detects)
	BENZ(A)ANTHRACENE	J	0.020	0.021	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.020	0.021	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.014	0.021	LOQ	mg/kg	
	FLUORENE	J	0.005	0.021	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.010	0.021	LOQ	mg/kg	
DU07-S007-00-01	1-METHYLNAPHTHALENE	J	0.004	0.021	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.004	0.021	LOQ	mg/kg	
	ACENAPHTHENE	J	0.008	0.021	LOQ	mg/kg	
	BENZALDEHYDE	J	0.18	0.20	LOQ	mg/kg	
	BENZOIC ACID	J	0.38	0.61	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.020	0.021	LOQ	mg/kg	
	FLUORENE	J	0.006	0.021	LOQ	mg/kg	
	NAPHTHALENE	J	0.014	0.021	LOQ	mg/kg	
DU07-S007-01-02	ACENAPHTHYLENE	J	0.004	0.020	LOQ	mg/kg	J (all detects)
	ANTHRACENE	J	0.004	0.020	LOQ	mg/kg	
	BENZ(A)ANTHRACENE	J	0.009	0.020	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.010	0.020	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.012	0.020	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.010	0.020	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.01	0.020	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU07-S009-00-01	ACENAPHTHENE	J	0.006	0.024	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.005	0.024	LOQ	mg/kg	
	ANTHRACENE	J	0.014	0.024	LOQ	mg/kg	
	BENZOIC ACID	J	0.61	0.72	LOQ	mg/kg	J (all detects)
	DIBENZO(A,H)ANTHRACENE	J	0.017	0.024	LOQ	mg/kg	
	FLUORENE	J	0.007	0.024	LOQ	mg/kg	
	NAPHTHALENE	J	0.006	0.024	LOQ	mg/kg	
DU07-S009-01-02	ACENAPHTHYLENE	J	0.007	0.024	LOQ	mg/kg	
	BENZ(A)ANTHRACENE	J	0.016	0.024	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.012	0.024	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.017	0.024	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.020	0.024	LOQ	mg/kg	J (all detects)
	BENZO(K)FLUORANTHENE	J	0.014	0.024	LOQ	mg/kg	
	BENZOIC ACID	J	0.67	0.70	LOQ	mg/kg	
	CHRYSENE	J	0.020	0.024	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.01	0.024	LOQ	mg/kg	
	PHENANTHRENE	J	0.016	0.024	LOQ	mg/kg	
DU07-S010-00-01	1-METHYLNAPHTHALENE	J	0.006	0.026	LOQ	mg/kg	
	2-METHYLNAPHTHALENE	J	0.006	0.026	LOQ	mg/kg	
	ACENAPHTHENE	J	0.009	0.026	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.008	0.026	LOQ	mg/kg	
	ANTHRACENE	J	0.024	0.026	LOQ	mg/kg	J (all detects)
	BENZALDEHYDE	J	0.22	0.25	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.019	0.026	LOQ	mg/kg	
	FLUORENE	J	0.008	0.026	LOQ	mg/kg	
	NAPHTHALENE	J	0.013	0.026	LOQ	mg/kg	
DU07-S010-01-03	Benzo (g,h,i) perylene	J	0.005	0.021	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.007	0.021	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.006	0.021	LOQ	mg/kg	
	CHRYSENE	J	0.005	0.021	LOQ	mg/kg	J (all detects)
	FLUORANTHENE	J	0.008	0.021	LOQ	mg/kg	
	PHENANTHRENE	J	0.005	0.021	LOQ	mg/kg	
	PYRENE	J	0.008	0.021	LOQ	mg/kg	
DU07-S011-00-01	1-METHYLNAPHTHALENE	J	0.018	0.025	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.007	0.025	LOQ	mg/kg	
	ANTHRACENE	J	0.022	0.025	LOQ	mg/kg	
	BENZALDEHYDE	J	0.23	0.24	LOQ	mg/kg	
	CAPROLACTAM	J	0.060	0.24	LOQ	mg/kg	J (all detects)
	DIBENZO(A,H)ANTHRACENE	J	0.01	0.025	LOQ	mg/kg	
	DIBENZOFURAN	J	0.029	0.049	LOQ	mg/kg	
	DI-N-OCTYL PHTHALATE	J	0.19	0.24	LOQ	mg/kg	
	FLUORENE	J	0.018	0.025	LOQ	mg/kg	
DU07-S011-01-03	BENZO(A)PYRENE	J	0.004	0.021	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.004	0.021	LOQ	mg/kg	
	CHRYSENE	J	0.004	0.021	LOQ	mg/kg	J (all detects)
	FLUORANTHENE	J	0.005	0.021	LOQ	mg/kg	
	PHENANTHRENE	J	0.005	0.021	LOQ	mg/kg	
	PYRENE	J	0.006	0.021	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU07-S011-01-03D	ANTHRACENE	J	0.005	0.021	LOQ	mg/kg	J (all detects)
	BENZ(A)ANTHRACENE	J	0.006	0.021	LOQ	mg/kg	
	BENZALDEHYDE	J	0.089	0.21	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.008	0.021	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.009	0.021	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.009	0.021	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.004	0.021	LOQ	mg/kg	
	BENZOIC ACID	J	0.41	0.62	LOQ	mg/kg	
	CHRYSENE	J	0.007	0.021	LOQ	mg/kg	
	FLUORANTHENE	J	0.012	0.021	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.006	0.021	LOQ	mg/kg	
	NAPHTHALENE	J	0.005	0.021	LOQ	mg/kg	
	PHENANTHRENE	J	0.007	0.021	LOQ	mg/kg	
	PYRENE	J	0.012	0.021	LOQ	mg/kg	
DU07-S014-00-01	1-METHYLNAPHTHALENE	J	0.024	0.025	LOQ	mg/kg	J (all detects)
	BENZALDEHYDE	J	0.15	0.25	LOQ	mg/kg	
DU07-S014-01-02	2-METHYLNAPHTHALENE	J	0.005	0.023	LOQ	mg/kg	J (all detects)
	ACENAPHTHYLENE	J	0.008	0.023	LOQ	mg/kg	
	ANTHRACENE	J	0.009	0.023	LOQ	mg/kg	
	BENZ(A)ANTHRACENE	J	0.022	0.023	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.019	0.023	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.021	0.023	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.016	0.023	LOQ	mg/kg	
	BENZOIC ACID	J	0.55	0.66	LOQ	mg/kg	
	CHRYSENE	J	0.022	0.023	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.006	0.023	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.014	0.023	LOQ	mg/kg	
	NAPHTHALENE	J	0.006	0.023	LOQ	mg/kg	
DU07-S015-00-01	ACENAPHTHENE	J	0.009	0.021	LOQ	mg/kg	J (all detects)
	ACENAPHTHYLENE	J	0.017	0.021	LOQ	mg/kg	
	BENZOIC ACID	J	0.29	0.62	LOQ	mg/kg	
	FLUORENE	J	0.011	0.021	LOQ	mg/kg	
	NAPHTHALENE	J	0.006	0.021	LOQ	mg/kg	
DU07-S015-01-03	ACENAPHTHENE	J	0.006	0.021	LOQ	mg/kg	J (all detects)
	ANTHRACENE	J	0.012	0.021	LOQ	mg/kg	
	BENZALDEHYDE	J	0.094	0.21	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.012	0.021	LOQ	mg/kg	
	FLUORENE	J	0.006	0.021	LOQ	mg/kg	
	NAPHTHALENE	J	0.010	0.021	LOQ	mg/kg	

Method: 8270D SIM

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU07-S002-00-01	2-METHYLNAPHTHALENE	J	0.0012	0.0019	LOQ	mg/kg	J (all detects)
	ACENAPHTHENE	J	0.0012	0.0019	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.00096	0.0019	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.0017	0.0019	LOQ	mg/kg	
	FLUORENE	J	0.0013	0.0019	LOQ	mg/kg	
	NAPHTHALENE	J	0.0018	0.0019	LOQ	mg/kg	

Project Name and Number: Camp Hero - Camp Hero

Reporting Limit Outliers

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**

Matrix: **SOIL**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
DU07-S002-01-02	1-METHYLNAPHTHALENE	J	0.0013	0.0018	LOQ	mg/kg	J (all detects)
	ANTHRACENE	J	0.00097	0.0018	LOQ	mg/kg	
	NAPHTHALENE	J	0.00076	0.0018	LOQ	mg/kg	
DU07-S005-00-01	ACENAPHTHYLENE	J	0.0082	0.011	LOQ	mg/kg	J (all detects)
	ANTHRACENE	J	0.010	0.011	LOQ	mg/kg	
	BENZO(G,H,I)PERYLENE	J	0.010	0.011	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.0045	0.011	LOQ	mg/kg	
	NAPHTHALENE	J	0.0075	0.011	LOQ	mg/kg	
DU07-S005-01-02	ACENAPHTHYLENE	J	0.00065	0.0019	LOQ	mg/kg	J (all detects)
	DIBENZO(A,H)ANTHRACENE	J	0.00085	0.0019	LOQ	mg/kg	
DU07-S005-01-02D	ACENAPHTHYLENE	J	0.00055	0.0018	LOQ	mg/kg	J (all detects)
	ANTHRACENE	J	0.00081	0.0018	LOQ	mg/kg	
	BENZO(G,H,I)PERYLENE	J	0.0010	0.0018	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.0012	0.0018	LOQ	mg/kg	
	NAPHTHALENE	J	0.00099	0.0018	LOQ	mg/kg	
DU07-S005-01-02D-X	1-METHYLNAPHTHALENE	J	0.00081	0.0018	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.0014	0.0018	LOQ	mg/kg	
	ACENAPHTHENE	J	0.00079	0.0018	LOQ	mg/kg	
	FLUORENE	J	0.0013	0.0018	LOQ	mg/kg	
DU07-S006-00-01	BENZO(G,H,I)PERYLENE	J	0.00094	0.0018	LOQ	mg/kg	J (all detects)
	FLUORENE	J	0.00092	0.0018	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.0010	0.0018	LOQ	mg/kg	
	NAPHTHALENE	J	0.00080	0.0018	LOQ	mg/kg	
DU07-S006-01-03	ACENAPHTHYLENE	J	0.0014	0.0021	LOQ	mg/kg	J (all detects)
	ANTHRACENE	J	0.00085	0.0021	LOQ	mg/kg	
	BENZO(G,H,I)PERYLENE	J	0.0018	0.0021	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.0019	0.0021	LOQ	mg/kg	
	NAPHTHALENE	J	0.0017	0.0021	LOQ	mg/kg	
DU07-S007-00-01	NAPHTHALENE	J	0.0097	0.020	LOQ	mg/kg	J (all detects)
DU07-S007-01-02	1-METHYLNAPHTHALENE	J	0.0019	0.0020	LOQ	mg/kg	J (all detects)
	ACENAPHTHENE	J	0.0016	0.0020	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.0014	0.0020	LOQ	mg/kg	
	FLUORENE	J	0.0018	0.0020	LOQ	mg/kg	
DU07-S009-00-01	1-METHYLNAPHTHALENE	J	0.0014	0.0024	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.0017	0.0024	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.0016	0.0024	LOQ	mg/kg	
DU07-S009-01-02	1-METHYLNAPHTHALENE	J	0.0011	0.0023	LOQ	mg/kg	J (all detects)
	DIBENZO(A,H)ANTHRACENE	J	0.0015	0.0023	LOQ	mg/kg	
DU07-S010-01-03	ANTHRACENE	J	0.00056	0.0021	LOQ	mg/kg	J (all detects)
	BENZ(A)ANTHRACENE	J	0.0020	0.0021	LOQ	mg/kg	
	BENZO(G,H,I)PERYLENE	J	0.00087	0.0021	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.00095	0.0021	LOQ	mg/kg	
	NAPHTHALENE	J	0.0011	0.0021	LOQ	mg/kg	
DU07-S011-00-01-X	1-METHYLNAPHTHALENE	J	0.0017	0.0025	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.0022	0.0025	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.0016	0.0025	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**

Matrix: **SOIL**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
DU07-S011-01-03	1-METHYLNAPHTHALENE	J	0.0010	0.0020	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.0013	0.0020	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.00078	0.0020	LOQ	mg/kg	
	ANTHRACENE	J	0.0017	0.0020	LOQ	mg/kg	
	BENZ(A)ANTHRACENE	J	0.0019	0.0020	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.0016	0.0020	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.0012	0.0020	LOQ	mg/kg	
DU07-S011-01-03D	ANTHRACENE	J	0.0017	0.0021	LOQ	mg/kg	J (all detects)
	BENZO(G,H,I)PERYLENE	J	0.0017	0.0021	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.0018	0.0021	LOQ	mg/kg	
	NAPHTHALENE	J	0.0016	0.0021	LOQ	mg/kg	
DU07-S011-01-03-X	BENZ(A)ANTHRACENE	J	0.0012	0.0021	LOQ	mg/kg	J (all detects)
	BENZO(A)PYRENE	J	0.0011	0.0021	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.0020	0.0021	LOQ	mg/kg	
	CHRYSENE	J	0.0012	0.0021	LOQ	mg/kg	
	PHENANTHRENE	J	0.0011	0.0021	LOQ	mg/kg	
	PYRENE	J	0.0018	0.0021	LOQ	mg/kg	
DU07-S014-00-01	DIBENZO(A,H)ANTHRACENE	J	0.052	0.12	LOQ	mg/kg	J (all detects)
DU07-S014-01-02	DIBENZO(A,H)ANTHRACENE	J	0.0020	0.0022	LOQ	mg/kg	J (all detects)
	FLUORENE	J	0.0017	0.0022	LOQ	mg/kg	
DU07-S015-01-03	1-METHYLNAPHTHALENE	J	0.0012	0.0021	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.0014	0.0021	LOQ	mg/kg	
	FLUORENE	J	0.0018	0.0021	LOQ	mg/kg	

Method Blank Outlier Report

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**
Matrix: **SOIL**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P17463CB174063703	7/18/2017 1:58:00 PM	ALUMINUM CALCIUM	10.6 mg/kg 26.6 mg/kg	DU07-S002-00-01 DU07-S002-01-02 DU07-S009-00-01 DU07-S009-01-02 DU07-S014-00-01 DU07-S014-01-02 DU07-S015-00-01
P17463HB174063708	7/13/2017 8:14:00 PM	ZINC	0.905 mg/kg	DU07-S006-01-03
P19363BB193063702	7/17/2017 2:19:00 PM	CALCIUM LEAD MANGANESE ZINC	20.1 mg/kg 0.0494 mg/kg 0.500 mg/kg 1.03 mg/kg	DU07-S006-00-01 DU07-S010-01-03
P19863BB198063702	7/19/2017 11:53:00 AM	CHROMIUM LEAD MANGANESE ZINC	0.187 mg/kg 0.0410 mg/kg 0.198 mg/kg 1.58 mg/kg	DU07-S005-00-01 DU07-S005-01-02 DU07-S005-01-02D DU07-S007-00-01 DU07-S007-01-02 DU07-S010-00-01 DU07-S011-00-01 DU07-S011-01-03 DU07-S011-01-03D DU07-S015-01-03

Method: **8270D SIM**
Matrix: **SOIL**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
PLKLH20B200SLH026	7/24/2017 11:35:00 PM	CHRYSENE PYRENE	0.00043 mg/kg 0.00035 mg/kg	DU07-S005-00-01 DU07-S005-01-02 DU07-S005-01-02D DU07-S007-00-01 DU07-S007-01-02 DU07-S010-00-01 DU07-S011-00-01 DU07-S011-01-03 DU07-S011-01-03D DU07-S015-01-03

Equipment Rinsate Blank Outlier Report

Lab Reporting Batch ID: APP36 **Laboratory: LLL**

EDD Filename: APP36-C_ADJ_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**
Matrix: **SOIL**

Equipment Blank Sample ID	Collected Date	Analyte	Result	Associated Samples
EB-SO061517-02(Initial/TOT)	6/15/2017 11:30:00 AM	NAPHTHALENE	0.11 ug/l	DU07-S002-00-01 DU07-S002-01-02 DU07-S005-00-01 DU07-S005-00-01-X DU07-S005-01-02 DU07-S005-01-02D DU07-S005-01-02D-X DU07-S006-00-01 DU07-S006-01-03 DU07-S006-01-03-X DU07-S007-00-01 DU07-S007-01-02 DU07-S009-00-01 DU07-S009-01-02 DU07-S010-00-01 DU07-S010-01-03 DU07-S011-00-01 DU07-S011-00-01-X DU07-S011-01-03 DU07-S011-01-03D DU07-S011-01-03-X DU07-S014-00-01 DU07-S014-01-02 DU07-S015-00-01 DU07-S015-01-03
EB-SO061517-02 (Reanalysis-01/TOT/TOT)	6/15/2017 11:30:00 AM	NAPHTHALENE	0.2 ug/l	DU07-S002-00-01 DU07-S002-01-02 DU07-S005-00-01 DU07-S005-00-01-X DU07-S005-01-02 DU07-S005-01-02D DU07-S005-01-02D-X DU07-S006-00-01 DU07-S006-01-03 DU07-S006-01-03-X DU07-S007-00-01 DU07-S007-01-02 DU07-S009-00-01 DU07-S009-01-02 DU07-S010-00-01 DU07-S010-01-03 DU07-S011-00-01 DU07-S011-00-01-X DU07-S011-01-03 DU07-S011-01-03D DU07-S011-01-03-X DU07-S014-00-01 DU07-S014-01-02 DU07-S015-00-01 DU07-S015-01-03

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
DU07-S002-01-02(Initial)	NAPHTHALENE	0.00076 mg/kg	0.0018U mg/kg
DU07-S005-01-02D(Initial)	NAPHTHALENE	0.00099 mg/kg	0.0018U mg/kg
DU07-S006-00-01(Initial)	NAPHTHALENE	0.00080 mg/kg	0.0018U mg/kg

Project Name and Number: Camp Hero - Camp Hero

Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page	1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.		
Laboratory SDG:	APP37		
Date(s) of Collection:	June 14th, 2017		
Number/Type Samples & Analyses:	16 soil samples and 2 field duplicates for a project-specific list of SVOCs, PAHs, hexavalent chromium and metals		
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA		
Completed:	August 24th, 2017		

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for soil data included in Sample Delivery Group (SDG) APP37. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017.

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✓ Holding times and sample preservation

✗ Laboratory method blank data

✗ Field rinsate blank data

NA Trip blank data

✓ Laboratory control sample (LCS) recoveries

✗ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✗ Surrogate recoveries

✓ Laboratory duplicate results

✗ Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of "J" data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

All the soil samples were run for regular 8270 and 8270 SIM. The final results will be presented in 8270 SIM.

The prep technician failed to spike the LCS/MS/MSD with both the LCS mix #1 (includes all of the analytes requested for the project) and BNA surrogate mix in method 8270D for sample DU07-S)13-00-01. The LCS/MS/MSD QC samples were only spiked with LCS mix #1 and not with the surrogates; other samples and the blank were correctly spiked with the surrogate mix. Results between the two analyses are comparable and the initial results will be presented.

The 8270D SIM blank was prepared with the internal standard (IS) mix that is normally used for regular 8270 for one extraction batch for sample DU07-S013-00-01; this puts the internal standards at 20x too high for four of the 6 internal standards that used for SIM. The four internal standards are: Napthalene-d8, Acenaphthene-d10, Phenanthrene-d10, and Perylene-d12. The PAH compounds not affected by these IS are: pyrene, benzo(a)anthracene, and chrysene. ADR doesn't automatically review internal standards and there is minimal impact to the results.

Samples DU07-S001-01-10, DU07-S001-01-10D, and DU07-S003-00-01 were analyzed for 8270D SIM, however the internal standards was outside the acceptance limits. Samples were re-analyzed (outside method holding time) and the internal standards were once again outside the limits which indicated a matrix effect. Both set of results are comparable. The initial results will be presented as final.

Sample DU07-S001-00-01 for 8270D SIM had internal standards and a surrogate outside of the acceptance limits. The sample was re-analyzed, and internal standards areas were once again outside the acceptance limits indicating a matrix effect. The sample was re-extracted outside the method required holding time and the QC was acceptable. The initial and re-analysis set of results are comparable. The initial results will be presented as final.

Sample DU07-S004-00-01 for 8270D SIM had low surrogate recovery and the sample was re-injected and the recovery for the surrogate was outside the acceptance limits again. The sample was re-extracted outside the method required holding time and the QC was acceptable. The initial and re-analysis set of results are comparable. The initial results will be presented as final.

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP37 **Laboratory: LLL**

EDD Filename: APP37-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Validation Area	*Note*
Technical Holding Times	SR
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	SR
Surrogate/Tracer Spikes	SR
Matrix Spike/Matrix Spike Duplicates	SR
Laboratory Duplicates	N
Laboratory Replicates	N
Laboratory Control Samples	A
Compound Quantitation	SR
Field Duplicates	SR
Field Triplicates	N
Field Blanks	SR

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP37 **Laboratory: LLL**

EDD Filename: APP37-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU07-S001-00-01 **Collected:** 6/14/2017 2:10:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.380	J	0.215	LOD	0.859	LOQ	mg/kg	J	RI
THALLIUM	0.111	J	0.0537	LOD	0.215	LOQ	mg/kg	J	RI

Sample ID: DU07-S001-00-01 **Collected:** 6/14/2017 2:10:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	77.5	J	21.5	LOD	85.9	LOQ	mg/kg	J	RI

Sample ID: DU07-S001-01-10 **Collected:** 6/14/2017 2:15:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.112	J	0.159	LOD	0.636	LOQ	mg/kg	J	RI, Fd

Sample ID: DU07-S001-01-10D **Collected:** 6/14/2017 2:15:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.170	U	0.170	LOD	0.680	LOQ	mg/kg	UJ	Fd
THALLIUM	0.165	J	0.0425	LOD	0.170	LOQ	mg/kg	J	RI

Sample ID: DU07-S003-00-01 **Collected:** 6/14/2017 1:40:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0336	J	0.0879	LOD	0.176	LOQ	mg/kg	J	RI
SELENIUM	0.156	J	0.176	LOD	0.704	LOQ	mg/kg	J	RI
THALLIUM	0.0999	J	0.0440	LOD	0.176	LOQ	mg/kg	J	RI

Sample ID: DU07-S003-00-01 **Collected:** 6/14/2017 1:40:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	52.8	J	17.6	LOD	70.4	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP37 **Laboratory: LLL**

EDD Filename: APP37-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU07-S003-01-10 **Collected:** 6/14/2017 1:45:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.0915	J	0.165	LOD	0.662	LOQ	mg/kg	J	Rl, Fd
THALLIUM	0.0650	J	0.0414	LOD	0.165	LOQ	mg/kg	J	Rl

Sample ID: DU07-S003-01-10D **Collected:** 6/14/2017 1:45:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.212	U	0.212	LOD	0.846	LOQ	mg/kg	UJ	Fd
THALLIUM	0.0561	J	0.0529	LOD	0.212	LOQ	mg/kg	J	Rl

Sample ID: DU07-S004-00-01 **Collected:** 6/14/2017 1:20:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.149	J	0.113	LOD	0.225	LOQ	mg/kg	J	Rl
SELENIUM	0.219	J	0.225	LOD	0.901	LOQ	mg/kg	J	Rl
THALLIUM	0.0685	J	0.0563	LOD	0.225	LOQ	mg/kg	J	Rl

Sample ID: DU07-S004-01-10 **Collected:** 6/14/2017 1:25:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.0649	J	0.0440	LOD	0.176	LOQ	mg/kg	J	Rl

Sample ID: DU07-S008-00-01 **Collected:** 6/14/2017 12:10:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0612	J	0.0859	LOD	0.172	LOQ	mg/kg	J	Rl
SELENIUM	0.305	J	0.172	LOD	0.688	LOQ	mg/kg	J	Rl
THALLIUM	0.0849	J	0.0430	LOD	0.172	LOQ	mg/kg	J	Rl

Sample ID: DU07-S008-00-01 **Collected:** 6/14/2017 12:10:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	66.6	J	17.2	LOD	68.8	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP37 **Laboratory: LLL**

EDD Filename: APP37-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU07-S008-01-10 **Collected:** 6/14/2017 12:15:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.0772	J	0.0541	LOD	0.216	LOQ	mg/kg	J	RI

Sample ID: DU07-S008-01-10 **Collected:** 6/14/2017 12:15:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	78.5	J	21.6	LOD	86.5	LOQ	mg/kg	J	RI

Sample ID: DU07-S012-00-01 **Collected:** 6/14/2017 12:30:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0607	J	0.108	LOD	0.215	LOQ	mg/kg	J	RI
SELENIUM	0.180	J	0.215	LOD	0.861	LOQ	mg/kg	J	RI
THALLIUM	0.0579	J	0.0538	LOD	0.215	LOQ	mg/kg	J	RI

Sample ID: DU07-S012-00-01 **Collected:** 6/14/2017 12:30:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	67.9	J	21.5	LOD	86.1	LOQ	mg/kg	J	RI

Sample ID: DU07-S012-01-10 **Collected:** 6/14/2017 12:35:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.0612	J	0.0431	LOD	0.172	LOQ	mg/kg	J	RI

Sample ID: DU07-S013-00-01 **Collected:** 6/14/2017 11:30:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0526	J	0.104	LOD	0.207	LOQ	mg/kg	J	RI
SELENIUM	0.235	J	0.207	LOD	0.829	LOQ	mg/kg	J	RI
THALLIUM	0.0634	J	0.0518	LOD	0.207	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP37 **Laboratory: LLL**

EDD Filename: APP37-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix: SOIL**

Sample ID: DU07-S013-00-01 **Collected:** 6/14/2017 11:30:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	55.6	J	20.7	LOD	82.9	LOQ	mg/kg	J	RI

Sample ID: DU07-S013-01-10 **Collected:** 6/14/2017 11:35:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.122	J	0.207	LOD	0.830	LOQ	mg/kg	J	RI
THALLIUM	0.0525	J	0.0519	LOD	0.207	LOQ	mg/kg	J	RI

Sample ID: DU07-S013-01-10 **Collected:** 6/14/2017 11:35:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	68.1	J	20.7	LOD	83.0	LOQ	mg/kg	J	RI

Sample ID: DU07-S016-00-01 **Collected:** 6/14/2017 12:50:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0408	J	0.0879	LOD	0.176	LOQ	mg/kg	J	RI
SELENIUM	0.165	J	0.176	LOD	0.703	LOQ	mg/kg	J	RI
THALLIUM	0.0811	J	0.0440	LOD	0.176	LOQ	mg/kg	J	RI

Sample ID: DU07-S016-00-01 **Collected:** 6/14/2017 12:50:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	55.8	J	17.6	LOD	70.3	LOQ	mg/kg	J	RI

Sample ID: DU07-S016-01-10 **Collected:** 6/14/2017 12:55:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.0942	J	0.186	LOD	0.744	LOQ	mg/kg	J	RI
THALLIUM	0.0596	J	0.0465	LOD	0.186	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP37 **Laboratory: LLL**

EDD Filename: APP37-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix: SOIL**

Sample ID: DU07-S016-01-10 **Collected:** 6/14/2017 12:55:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	67.1	J	18.6	LOD	74.4	LOQ	mg/kg	J	RI

Method Category: METALS

Method: 7471B **Matrix: SOIL**

Sample ID: DU07-S001-00-01 **Collected:** 6/14/2017 2:10:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0315	J	0.0187	LOD	0.112	LOQ	mg/kg	J	RI

Sample ID: DU07-S003-00-01 **Collected:** 6/14/2017 1:40:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0211	J	0.0182	LOD	0.109	LOQ	mg/kg	J	RI

Sample ID: DU07-S003-01-10 **Collected:** 6/14/2017 1:45:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0107	J	0.0175	LOD	0.105	LOQ	mg/kg	J	RI, Fd

Sample ID: DU07-S003-01-10D **Collected:** 6/14/2017 1:45:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0169	U	0.0169	LOD	0.101	LOQ	mg/kg	UJ	Fd

Sample ID: DU07-S004-00-01 **Collected:** 6/14/2017 1:20:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0172	J	0.0178	LOD	0.107	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP37 **Laboratory: LLL**

EDD Filename: APP37-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7471B **Matrix: SOIL**

Sample ID: DU07-S008-00-01 **Collected:** 6/14/2017 12:10:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0216	J	0.0172	LOD	0.103	LOQ	mg/kg	J	RI

Sample ID: DU07-S012-00-01 **Collected:** 6/14/2017 12:30:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0213	J	0.0187	LOD	0.112	LOQ	mg/kg	J	RI

Sample ID: DU07-S013-00-01 **Collected:** 6/14/2017 11:30:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0201	J	0.0176	LOD	0.106	LOQ	mg/kg	J	RI

Sample ID: DU07-S013-01-10 **Collected:** 6/14/2017 11:35:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0228	J	0.0177	LOD	0.106	LOQ	mg/kg	J	RI

Sample ID: DU07-S016-00-01 **Collected:** 6/14/2017 12:50:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0134	J	0.0177	LOD	0.106	LOQ	mg/kg	J	RI

Method Category: SVOA

Method: 8270D **Matrix: SOIL**

Sample ID: DU07-S001-00-01 **Collected:** 6/14/2017 2:10:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP37 **Laboratory: LLL**

EDD Filename: APP37-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU07-S001-00-01 **Collected:** 6/14/2017 2:10:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.009	J	0.008	LOD	0.020	LOQ	mg/kg	NP	Rl, ProfJudg
Benzo (g,h,i) perylene	0.007	J	0.008	LOD	0.020	LOQ	mg/kg	NP	Rl, ProfJudg
BENZO(A)PYRENE	0.017	J	0.008	LOD	0.020	LOQ	mg/kg	NP	Rl, ProfJudg
BENZO(B)FLUORANTHENE	0.015	J	0.008	LOD	0.020	LOQ	mg/kg	NP	Rl, ProfJudg
BENZO(K)FLUORANTHENE	0.008	J	0.008	LOD	0.020	LOQ	mg/kg	NP	Rl, ProfJudg
CHRYSENE	0.012	J	0.008	LOD	0.020	LOQ	mg/kg	NP	Rl, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.020		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.006	J	0.008	LOD	0.020	LOQ	mg/kg	NP	Rl, ProfJudg
NAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.013	J	0.008	LOD	0.020	LOQ	mg/kg	NP	Rl, ProfJudg
PYRENE	0.018	J	0.008	LOD	0.020	LOQ	mg/kg	NP	Rl, ProfJudg

Sample ID: DU07-S001-01-10 **Collected:** 6/14/2017 2:15:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP37 **Laboratory: LLL**

EDD Filename: APP37-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU07-S001-01-10 **Collected:** 6/14/2017 2:15:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU07-S001-01-10D **Collected:** 6/14/2017 2:15:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU07-S003-00-01 **Collected:** 6/14/2017 1:40:00 PM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.46	J	0.54	LOD	0.54	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP37 **Laboratory: LLL**

EDD Filename: APP37-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU07-S003-00-01 **Collected:** 6/14/2017 1:40:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.004	J	0.007	LOD	0.018	LOQ	mg/kg	NP	Rl, ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.004	J	0.007	LOD	0.018	LOQ	mg/kg	NP	Rl, ProfJudg
ANTHRACENE	0.006	J	0.007	LOD	0.018	LOQ	mg/kg	NP	Rl, ProfJudg
BENZ(A)ANTHRACENE	0.028		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.020		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.033		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.043		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.023		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.035		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.006	J	0.007	LOD	0.018	LOQ	mg/kg	NP	Rl, ProfJudg
FLUORANTHENE	0.068		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.019		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.004	J	0.007	LOD	0.018	LOQ	mg/kg	NP	Rl, ProfJudg
PHENANTHRENE	0.032		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.056		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU07-S003-01-10 **Collected:** 6/14/2017 1:45:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	Fd, ProfJudg
BENZO(B)FLUORANTHENE	0.004	J	0.007	LOD	0.018	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
BENZO(K)FLUORANTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP37 **Laboratory: LLL**

EDD Filename: APP37-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU07-S003-01-10 **Collected:** 6/14/2017 1:45:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.004	J	0.007	LOD	0.018	LOQ	mg/kg	NP	Rl, ProfJudg

Sample ID: DU07-S003-01-10D **Collected:** 6/14/2017 1:45:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.004	J	0.007	LOD	0.018	LOQ	mg/kg	NP	Rl, Fd, ProfJudg
BENZO(B)FLUORANTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	Fd, ProfJudg
BENZO(K)FLUORANTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.004	J	0.007	LOD	0.018	LOQ	mg/kg	NP	Rl, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP37 **Laboratory: LLL**

EDD Filename: APP37-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU07-S004-00-01 **Collected:** 6/14/2017 1:20:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.013	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
Benzo (g,h,i) perylene	0.014	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.017	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.030		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.014	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.018	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.023		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.013	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.008	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.017	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.018	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: DU07-S004-01-10 **Collected:** 6/14/2017 1:25:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP37 **Laboratory: LLL**

EDD Filename: APP37-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU07-S004-01-10 **Collected:** 6/14/2017 1:25:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU07-S008-00-01 **Collected:** 6/14/2017 12:10:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.024		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.017	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.033		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.040		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.020		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.029		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.054		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.017	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.026		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.044		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP37 **Laboratory: LLL**

EDD Filename: APP37-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU07-S008-01-10 **Collected:** 6/14/2017 12:15:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.005	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.004	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.004	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: DU07-S012-00-01 **Collected:** 6/14/2017 12:30:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.010	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.040		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.030		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.047		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.061		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.040		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP37 **Laboratory: LLL**

EDD Filename: APP37-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU07-S012-00-01 **Collected:** 6/14/2017 12:30:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.049		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.008	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.089		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.004	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.029		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.039		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.077		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU07-S012-01-10 **Collected:** 6/14/2017 12:35:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP37 **Laboratory: LLL**

EDD Filename: APP37-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU07-S013-00-01 **Collected:** 6/14/2017 11:30:00 AM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.35	J	0.55	LOD	0.55	LOQ	mg/kg	J	RI

Sample ID: DU07-S013-00-01 **Collected:** 6/14/2017 11:30:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHYLENE	0.018	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.028		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.064		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.048		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.072		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.13		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.060		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.094		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.020		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.11		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.049		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.006	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.051		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.10		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU07-S013-00-01-X **Collected:** 6/14/2017 11:30:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.037	U	0.037	LOD	0.037	LOQ	mg/kg	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	0.037	U	0.037	LOD	0.037	LOQ	mg/kg	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	0.074	U	0.074	LOD	0.074	LOQ	mg/kg	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP37 **Laboratory: LLL**

EDD Filename: APP37-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU07-S013-00-01-X **Collected:** 6/14/2017 11:30:00 AM **Analysis Type:** Reanalysis-01-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.037	U	0.037	LOD	0.037	LOQ	mg/kg	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	0.037	U	0.037	LOD	0.037	LOQ	mg/kg	NP	StoE, ProfJudg
BENZOIC ACID	0.28	J	0.55	LOD	0.55	LOQ	mg/kg	NP	RI, StoE, ProfJudg

Sample ID: DU07-S013-00-01-X **Collected:** 6/14/2017 11:30:00 AM **Analysis Type:** Reanalysis-01-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	0.037	U	0.037	LOD	0.037	LOQ	mg/kg	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	0.015	U	0.015	LOD	0.036	LOQ	mg/kg	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, StoE, ProfJudg
ACENAPHTHENE	0.008	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, StoE, ProfJudg
ACENAPHTHYLENE	0.023		0.007	LOD	0.019	LOQ	mg/kg	NP	StoE, ProfJudg
ANTHRACENE	0.030		0.007	LOD	0.019	LOQ	mg/kg	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.092		0.007	LOD	0.019	LOQ	mg/kg	NP	StoE, ProfJudg
BENZALDEHYDE	0.15	U	0.15	LOD	0.18	LOQ	mg/kg	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.054		0.007	LOD	0.019	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.090		0.007	LOD	0.019	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.18		0.007	LOD	0.019	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.064		0.007	LOD	0.019	LOQ	mg/kg	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	0.15	U	0.15	LOD	0.19	LOQ	mg/kg	NP	StoE, ProfJudg
Butyl benzyl phthalate	0.15	U	0.15	LOD	0.18	LOQ	mg/kg	NP	StoE, ProfJudg
CAPROLACTAM	0.15	U	0.15	LOD	0.18	LOQ	mg/kg	NP	StoE, ProfJudg
CARBAZOLE	0.037	U	0.037	LOD	0.037	LOQ	mg/kg	NP	StoE, ProfJudg
CHRYSENE	0.11		0.007	LOD	0.019	LOQ	mg/kg	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.020		0.007	LOD	0.019	LOQ	mg/kg	NP	StoE, ProfJudg
DIBENZOFURAN	0.037	U	0.037	LOD	0.037	LOQ	mg/kg	NP	StoE, ProfJudg
DIETHYL PHTHALATE	0.15	U	0.15	LOD	0.18	LOQ	mg/kg	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	0.15	U	0.15	LOD	0.18	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	0.15	U	0.15	LOD	0.18	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	0.15	U	0.15	LOD	0.18	LOQ	mg/kg	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP37 **Laboratory: LLL**

EDD Filename: APP37-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU07-S013-00-01-X **Collected:** 6/14/2017 11:30:00 AM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORANTHENE	0.13		0.007	LOD	0.019	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORENE	0.009	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.059		0.007	LOD	0.019	LOQ	mg/kg	NP	StoE, ProfJudg
NAPHTHALENE	0.006	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, StoE, ProfJudg
PHENANTHRENE	0.063		0.007	LOD	0.019	LOQ	mg/kg	NP	StoE, ProfJudg
PYRENE	0.13		0.007	LOD	0.019	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: DU07-S013-01-10 **Collected:** 6/14/2017 11:35:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.004	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.009	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
Benzo (g,h,i) perylene	0.005	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.009	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.010	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.006	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.009	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.020		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.005	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.014	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.016	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP37 **Laboratory: LLL**

EDD Filename: APP37-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU07-S016-00-01 **Collected:** 6/14/2017 12:50:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.006	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
Benzo (g,h,i) perylene	0.005	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.008	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.009	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.006	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.007	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.004	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.011	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.004	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.007	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.011	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: DU07-S016-01-10 **Collected:** 6/14/2017 12:55:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP37 **Laboratory: LLL**

EDD Filename: APP37-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix: SOIL**

Sample ID: DU07-S016-01-10 **Collected:** 6/14/2017 12:55:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.004	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg

Method Category: SVOA

Method: 8270D SIM **Matrix: SOIL**

Sample ID: DU07-S001-00-01 **Collected:** 6/14/2017 2:10:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.00042	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
ANTHRACENE	0.0014	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
NAPHTHALENE	0.00086	J	0.0015	LOD	0.0019	LOQ	mg/kg	U	Eb

Sample ID: DU07-S001-00-01 **Collected:** 6/14/2017 2:10:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.00045	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.0014	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.0061		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.0070		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.018		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.0019	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.0053		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP37 **Laboratory: LLL**

EDD Filename: APP37-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU07-S001-00-01 **Collected:** 6/14/2017 2:10:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.0077		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.014		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.0023		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.00087	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	Eb, ProfJudg
PHENANTHRENE	0.0081		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.016		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU07-S001-00-01-X **Collected:** 6/14/2017 2:10:00 PM **Analysis Type:** Reanalysis-02-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0023		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.0042		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHENE	0.00086	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	RI, StoE, ProfJudg
ACENAPHTHYLENE	0.00081	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	RI, StoE, ProfJudg
ANTHRACENE	0.0024		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.010		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.012		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.023		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(G,H,I)PERYLENE	0.0059		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.0066		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
CHRYSENE	0.015		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0019		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORANTHENE	0.024		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORENE	0.0015	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	RI, StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.0063		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
NAPHTHALENE	0.0049		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
PHENANTHRENE	0.014		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
PYRENE	0.023		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP37 **Laboratory: LLL**

EDD Filename: APP37-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU07-S001-01-10 **Collected:** 6/14/2017 2:15:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(B)FLUORANTHENE	0.00078	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Rl, Fd
PYRENE	0.00058	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Rl, Fd

Sample ID: DU07-S001-01-10 **Collected:** 6/14/2017 2:15:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.00087	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	Rl, ProfJudg
BENZO(G,H,I)PERYLENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.00050	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	Rl, ProfJudg

Sample ID: DU07-S001-01-10D **Collected:** 6/14/2017 2:15:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(B)FLUORANTHENE	0.0014	U	0.0014	LOD	0.0018	LOQ	mg/kg	UJ	Fd
PYRENE	0.0014	U	0.0014	LOD	0.0018	LOQ	mg/kg	UJ	Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP37 **Laboratory: LLL**

EDD Filename: APP37-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU07-S001-01-10D **Collected:** 6/14/2017 2:15:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0014	U	0.0014	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.0014	U	0.0014	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.0014	U	0.0014	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.0014	U	0.0014	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.0014	U	0.0014	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.0014	U	0.0014	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.0014	U	0.0014	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.0014	U	0.0014	LOD	0.0018	LOQ	mg/kg	NP	Fd, ProfJudg
BENZO(G,H,I)PERYLENE	0.0014	U	0.0014	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.0014	U	0.0014	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.0014	U	0.0014	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0014	U	0.0014	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.0014	U	0.0014	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.0014	U	0.0014	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.0014	U	0.0014	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.0014	U	0.0014	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.0014	U	0.0014	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.0014	U	0.0014	LOD	0.0018	LOQ	mg/kg	NP	Fd, ProfJudg

Sample ID: DU07-S003-00-01 **Collected:** 6/14/2017 1:40:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.0017	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI
ACENAPHTHYLENE	0.00080	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI
FLUORENE	0.0017	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI

Sample ID: DU07-S003-00-01 **Collected:** 6/14/2017 1:40:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0018	J	0.0014	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.0024		0.0014	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.0014	J	0.0014	LOD	0.0018	LOQ	mg/kg	NP	RI, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP37 **Laboratory: LLL**

EDD Filename: APP37-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **SOIL**

Sample ID: **DU07-S003-00-01** ***Collected:*** **6/14/2017 1:40:00 PM** ***Analysis Type:*** **Reanalysis-01-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
ACENAPHTHYLENE	0.00083	J	0.0014	LOD	0.0018	LOQ	mg/kg	NP	Rl, ProfJudg
ANTHRACENE	0.0034		0.0014	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.021		0.0014	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.026		0.0014	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.051		0.0014	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.0068		0.0014	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.017		0.0014	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.026		0.0014	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0025		0.0014	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.047		0.0014	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.0017	J	0.0014	LOD	0.0018	LOQ	mg/kg	NP	Rl, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.0082		0.0014	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.0025		0.0014	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.023		0.0014	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.056		0.0014	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg

Sample ID: **DU07-S003-01-10** ***Collected:*** **6/14/2017 1:45:00 PM** ***Analysis Type:*** **Initial-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
2-METHYLNAPHTHALENE	0.0014	U	0.0014	LOD	0.0018	LOQ	mg/kg	UJ	Fd
BENZ(A)ANTHRACENE	0.00084	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	Rl
BENZO(A)PYRENE	0.0011	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	Rl
BENZO(B)FLUORANTHENE	0.0017	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	Rl
BENZO(K)FLUORANTHENE	0.00072	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	Rl
CHRYSENE	0.0011	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	Rl
NAPHTHALENE	0.0014	U	0.0014	LOD	0.0018	LOQ	mg/kg	UJ	Fd
PHENANTHRENE	0.00096	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	Rl
PYRENE	0.0016	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP37 **Laboratory: LLL**

EDD Filename: APP37-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU07-S003-01-10D **Collected:** 6/14/2017 1:45:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.00073	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	Rl, Fd
BENZ(A)ANTHRACENE	0.0010	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	Rl
BENZO(A)PYRENE	0.0013	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	Rl
BENZO(K)FLUORANTHENE	0.00083	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	Rl
CHRYSENE	0.0013	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	Rl
NAPHTHALENE	0.0018		0.0014	LOD	0.0018	LOQ	mg/kg	J	Fd
PHENANTHRENE	0.0012	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	Rl

Sample ID: DU07-S004-00-01 **Collected:** 6/14/2017 1:20:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0010	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Rl, Surr
2-METHYLNAPHTHALENE	0.0022		0.0015	LOD	0.0019	LOQ	mg/kg	J-	Surr
ACENAPHTHENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	Surr
ACENAPHTHYLENE	0.00044	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Rl, Surr
ANTHRACENE	0.0011	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Rl, Surr
BENZ(A)ANTHRACENE	0.0088		0.0015	LOD	0.0019	LOQ	mg/kg	J-	Surr
BENZO(A)PYRENE	0.014		0.0015	LOD	0.0019	LOQ	mg/kg	J-	Surr
BENZO(B)FLUORANTHENE	0.030		0.0015	LOD	0.0019	LOQ	mg/kg	J-	Surr
BENZO(G,H,I)PERYLENE	0.0061		0.0015	LOD	0.0019	LOQ	mg/kg	J-	Surr
BENZO(K)FLUORANTHENE	0.010		0.0015	LOD	0.0019	LOQ	mg/kg	J-	Surr
CHRYSENE	0.015		0.0015	LOD	0.0019	LOQ	mg/kg	J-	Surr
DIBENZO(A,H)ANTHRACENE	0.0020		0.0015	LOD	0.0019	LOQ	mg/kg	J-	Surr
FLUORANTHENE	0.016		0.0015	LOD	0.0019	LOQ	mg/kg	J-	Surr
FLUORENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	Surr
INDENO(1,2,3-CD)PYRENE	0.0063		0.0015	LOD	0.0019	LOQ	mg/kg	J-	Surr
NAPHTHALENE	0.0062		0.0015	LOD	0.0019	LOQ	mg/kg	J-	Surr
PHENANTHRENE	0.013		0.0015	LOD	0.0019	LOQ	mg/kg	J-	Surr
PYRENE	0.017		0.0015	LOD	0.0019	LOQ	mg/kg	J-	Surr

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP37 **Laboratory: LLL**

EDD Filename: APP37-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **SOIL**

Sample ID: **DU07-S004-00-01** ***Collected:*** **6/14/2017 1:20:00 PM** ***Analysis Type:*** **Reanalysis-01-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.0010	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	RI, Surr, EtoA, ProfJudg
2-METHYLNAPHTHALENE	0.0023		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Surr, EtoA, ProfJudg
ACENAPHTHENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	Surr, EtoA, ProfJudg
ACENAPHTHYLENE	0.00047	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	RI, Surr, EtoA, ProfJudg
ANTHRACENE	0.0013	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	RI, Surr, EtoA, ProfJudg
BENZ(A)ANTHRACENE	0.0085		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Surr, EtoA, ProfJudg
BENZO(A)PYRENE	0.014		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Surr, EtoA, ProfJudg
BENZO(B)FLUORANTHENE	0.025		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Surr, EtoA, ProfJudg
BENZO(G,H,I)PERYLENE	0.0081		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Surr, EtoA, ProfJudg
BENZO(K)FLUORANTHENE	0.010		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Surr, EtoA, ProfJudg
CHRYSENE	0.015		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Surr, EtoA, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0026		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Surr, EtoA, ProfJudg
FLUORANTHENE	0.016		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Surr, EtoA, ProfJudg
FLUORENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	Surr, EtoA, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.0080		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Surr, EtoA, ProfJudg
NAPHTHALENE	0.0065		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Surr, EtoA, ProfJudg
PHENANTHRENE	0.013		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Surr, EtoA, ProfJudg
PYRENE	0.014		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Surr, EtoA, ProfJudg

Sample ID: **DU07-S004-00-01-X** ***Collected:*** **6/14/2017 1:20:00 PM** ***Analysis Type:*** **Reanalysis-02-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.0022		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.0047		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.00082	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	RI, StoE, ProfJudg
ANTHRACENE	0.0019		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP37 **Laboratory: LLL**

EDD Filename: APP37-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU07-S004-00-01-X **Collected:** 6/14/2017 1:20:00 PM **Analysis Type:** Reanalysis-02-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.011		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.021		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.037		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(G,H,I)PERYLENE	0.015		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.013		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
CHRYSENE	0.020		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0050		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORANTHENE	0.020		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.014		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
NAPHTHALENE	0.011		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
PHENANTHRENE	0.020		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
PYRENE	0.018		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: DU07-S004-01-10 **Collected:** 6/14/2017 1:25:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(A)PYRENE	0.00075	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI
BENZO(B)FLUORANTHENE	0.0014	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI
CHRYSENE	0.00063	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI
PYRENE	0.00068	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI

Sample ID: DU07-S008-00-01 **Collected:** 6/14/2017 12:10:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.00085	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI
ACENAPHTHENE	0.0013	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI
ACENAPHTHYLENE	0.00064	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI
FLUORENE	0.0015	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI
NAPHTHALENE	0.0013	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP37 **Laboratory: LLL**

EDD Filename: APP37-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU07-S008-01-10 **Collected:** 6/14/2017 12:15:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.0010	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
BENZO(A)PYRENE	0.0013	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
BENZO(K)FLUORANTHENE	0.00089	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
CHRYSENE	0.0013	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
PHENANTHRENE	0.0010	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI

Sample ID: DU07-S012-00-01 **Collected:** 6/14/2017 12:30:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0010	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
2-METHYLNAPHTHALENE	0.0014	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
ACENAPHTHENE	0.0018	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
ACENAPHTHYLENE	0.0013	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI

Sample ID: DU07-S012-01-10 **Collected:** 6/14/2017 12:35:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(A)PYRENE	0.00082	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
BENZO(B)FLUORANTHENE	0.0014	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
CHRYSENE	0.00080	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
FLUORANTHENE	0.0015	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
NAPHTHALENE	0.00077	J	0.0015	LOD	0.0019	LOQ	mg/kg	U	Eb

Sample ID: DU07-S013-01-10 **Collected:** 6/14/2017 11:35:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.0010	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI
BENZO(G,H,I)PERYLENE	0.0014	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI
FLUORENE	0.0011	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI
INDENO(1,2,3-CD)PYRENE	0.0016	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP37 **Laboratory: LLL**

EDD Filename: APP37-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU07-S016-00-01 **Collected:** 6/14/2017 12:50:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.00054	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI
BENZO(G,H,I)PERYLENE	0.0015	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI
INDENO(1,2,3-CD)PYRENE	0.0017	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI

Sample ID: DU07-S016-01-10 **Collected:** 6/14/2017 12:55:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(B)FLUORANTHENE	0.0013	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI
CHRYSENE	0.00075	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI
FLUORANTHENE	0.0013	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI
PHENANTHRENE	0.00086	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI
PYRENE	0.0014	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP37 **Laboratory: LLL**

EDD Filename: APP37-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Reason Code Legend

Reason Code	*Description*
Eb	Equipment Blank Contamination
EtoA	Extraction to Analysis Estimation
Fd	Field Duplicate Precision
Mb	Method Blank Contamination
Ms	Matrix Spike Lower Estimation
ProfJudg	Professional Judgment
Rl	Reporting Limit Trace Value
StoE	Sampling to Extraction Estimation
StoE	Sampling to Extraction Rejection
Surr	Surrogate/Tracer Recovery Lower Estimation

* denotes a non-reportable result

QC Outlier Report: HoldingTimes

Lab Reporting Batch ID: APP37 **Laboratory: LLL**

EDD Filename: APP37-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D **Preparation Method: SW3546**

Matrix: SOIL

Sample ID	Type	Actual	Criteria	Units	Flag
DU07-S013-00-01-X (Reanalysis-01)	Sampling To Extraction	26.00	14.00	DAYS	J- (all detects) UJ (all non-detects)

Method: 8270D SIM **Preparation Method: SW3546**

Matrix: SOIL

Sample ID	Type	Actual	Criteria	Units	Flag
DU07-S001-00-01-X (Reanalysis-02) DU07-S004-00-01-X (Reanalysis-02)	Sampling To Extraction	51.00 47.00	14.00 14.00	DAYS DAYS	J-(all detects) R(all non-detects)
DU07-S004-00-01 (Reanalysis-01)	Extraction To Analysis	41.00	40.00	DAYS	J-(all detects) UJ(all non-detects)

Surrogate Outlier Report

Lab Reporting Batch ID: APP37 **Laboratory: LLL**

EDD Filename: APP37-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**
Matrix: **SOIL**

Sample ID (Analysis Type)	*Surrogate*	*Sample % Recovery*	*% Recovery Limits*	*Affected Compounds*	*Flag*
DU07-S001-00-01 (Reanalysis-01)	Fluoranthene-d10	50	56.00-142.00	No Affected Compounds	
DU07-S001-00-01 (Initial)	Fluoranthene-d10	51	56.00-142.00	No Affected Compounds	
DU07-S004-00-01 (Initial)	BENZO (A) PYRENE-D12 Fluoranthene-d10	48 50	53.00-137.00 56.00-142.00	All Base/Neutral Target Analytes	J-(all detects) UJ(all non-detects)
DU07-S004-00-01 (Reanalysis-01)	BENZO (A) PYRENE-D12 Fluoranthene-d10	46 48	53.00-137.00 56.00-142.00	All Base/Neutral Target Analytes	J-(all detects) UJ(all non-detects)

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP37 **Laboratory: LLL**

EDD Filename: APP37-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**
Matrix: **SOIL**

QC Sample ID (Associated Samples)	*Compound*	*MS %R*	*MSD %R*	*%R Limits*	*RPD (Limits)*	*Affected Compounds*	*Flag*
DU07-S001-00-01MSD (DU07-S001-00-01)	BENZO(G,H,I)PERYLENE	-	48	49.00-127.00	-	BENZO(G,H,I)PERYLENE	J- (all detects) UJ (all non-detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: APP37 **Laboratory: LLL**

EDD Filename: APP37-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SOIL

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU07-S001-01-10 (Dry)	DU07-S001-01-10D (Dry)			
ALUMINUM	13600	14100	4	30.00	
ARSENIC	2.80	2.95	5	30.00	
BARIUM	57.4	58.7	2	30.00	
BERYLLIUM	0.596	0.554	7	30.00	
CALCIUM	606	613	1	30.00	
CHROMIUM	20.0	20.4	2	30.00	
COBALT	7.70	7.09	8	30.00	
COPPER	12.1	12.4	2	30.00	
IRON	16100	16600	3	30.00	No Qualifiers Applied
LEAD	4.61	4.43	4	30.00	
MAGNESIUM	4150	4310	4	30.00	
MANGANESE	295	262	12	30.00	
NICKEL	12.2	12.7	4	30.00	
POTASSIUM	2610	2610	0	30.00	
SODIUM	115	112	3	30.00	
THALLIUM	0.206	0.165	22	30.00	
VANADIUM	31.9	30.8	4	30.00	
ZINC	26.4	27.4	4	30.00	
SELENIUM	0.112	0.680 U	200	30.00	J(all detects) UJ(all non-detects)

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU07-S003-01-10 (Dry)	DU07-S003-01-10D (Dry)			
ALUMINUM	6340	7060	11	30.00	
ARSENIC	2.00	2.19	9	30.00	
BARIUM	20.5	22.0	7	30.00	
BERYLLIUM	0.253	0.254	0	30.00	
CALCIUM	567	603	6	30.00	
CHROMIUM	9.16	8.90	3	30.00	
COBALT	2.76	2.60	6	30.00	
COPPER	3.72	3.51	6	30.00	
IRON	7920	7780	2	30.00	No Qualifiers Applied
LEAD	2.48	2.47	0	30.00	
MAGNESIUM	1390	1420	2	30.00	
MANGANESE	101	99.0	2	30.00	
NICKEL	5.15	5.02	3	30.00	
POTASSIUM	644	640	1	30.00	
SODIUM	71.3	92.4	26	30.00	
THALLIUM	0.0650	0.0561	15	30.00	
VANADIUM	13.4	12.9	4	30.00	
ZINC	12.4	12.6	2	30.00	
SELENIUM	0.0915	0.846 U	200	30.00	J(all detects) UJ(all non-detects)

Method: 7471B
Matrix: SOIL

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU07-S003-01-10 (Dry)	DU07-S003-01-10D (Dry)			
MERCURY	0.0107	0.101 U	200	30.00	J(all detects) UJ(all non-detects)

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Field Duplicate RPD Report

Lab Reporting Batch ID: APP37 **Laboratory: LLL**

EDD Filename: APP37-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D SIM
Matrix: SOIL

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU07-S001-01-10	DU07-S001-01-10D			
BENZO(B)FLUORANTHENE	0.00078	0.0018 U	200	30.00	J(all detects)
PYRENE	0.00058	0.0018 U	200	30.00	UJ(all non-detects)

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU07-S003-01-10	DU07-S003-01-10D			
BENZ(A)ANTHRACENE	0.00084	0.0010	17	30.00	No Qualifiers Applied
BENZO(A)PYRENE	0.0011	0.0013	17	30.00	
BENZO(B)FLUORANTHENE	0.0017	0.0019	11	30.00	
BENZO(K)FLUORANTHENE	0.00072	0.00083	14	30.00	
CHRYSENE	0.0011	0.0013	17	30.00	
FLUORANTHENE	0.0019	0.0023	19	30.00	
PHENANTHRENE	0.00096	0.0012	22	30.00	
PYRENE	0.0016	0.0020	22	30.00	
2-METHYLNAPHTHALENE	0.0018 U	0.00073	200	30.00	J(all detects)
NAPHTHALENE	0.0018 U	0.0018	200	30.00	UJ(all non-detects)

Method: 8270D
Matrix: SOIL

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU07-S003-01-10	DU07-S003-01-10D			
PYRENE	0.004	0.004	0	30.00	No Qualifiers Applied
BENZO(A)PYRENE	0.018 U	0.004	200	30.00	J(all detects)
BENZO(B)FLUORANTHENE	0.004	0.018 U	200	30.00	UJ(all non-detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP37 **Laboratory: LLL**

EDD Filename: APP37-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU07-S001-00-01	SELENIUM SODIUM THALLIUM	J J J	0.380 77.5 0.111	0.859 85.9 0.215	LOQ LOQ LOQ	mg/kg mg/kg mg/kg	J (all detects)
DU07-S001-01-10	SELENIUM	J	0.112	0.636	LOQ	mg/kg	J (all detects)
DU07-S001-01-10D	THALLIUM	J	0.165	0.170	LOQ	mg/kg	J (all detects)
DU07-S003-00-01	CADMIUM SELENIUM SODIUM THALLIUM	J J J J	0.0336 0.156 52.8 0.0999	0.176 0.704 70.4 0.176	LOQ LOQ LOQ LOQ	mg/kg mg/kg mg/kg mg/kg	J (all detects)
DU07-S003-01-10	SELENIUM THALLIUM	J J	0.0915 0.0650	0.662 0.165	LOQ LOQ	mg/kg mg/kg	J (all detects)
DU07-S003-01-10D	THALLIUM	J	0.0561	0.212	LOQ	mg/kg	J (all detects)
DU07-S004-00-01	CADMIUM SELENIUM THALLIUM	J J J	0.149 0.219 0.0685	0.225 0.901 0.225	LOQ LOQ LOQ	mg/kg mg/kg mg/kg	J (all detects)
DU07-S004-01-10	THALLIUM	J	0.0649	0.176	LOQ	mg/kg	J (all detects)
DU07-S008-00-01	CADMIUM SELENIUM SODIUM THALLIUM	J J J J	0.0612 0.305 66.6 0.0849	0.172 0.688 68.8 0.172	LOQ LOQ LOQ LOQ	mg/kg mg/kg mg/kg mg/kg	J (all detects)
DU07-S008-01-10	SODIUM THALLIUM	J J	78.5 0.0772	86.5 0.216	LOQ LOQ	mg/kg mg/kg	J (all detects)
DU07-S012-00-01	CADMIUM SELENIUM SODIUM THALLIUM	J J J J	0.0607 0.180 67.9 0.0579	0.215 0.861 86.1 0.215	LOQ LOQ LOQ LOQ	mg/kg mg/kg mg/kg mg/kg	J (all detects)
DU07-S012-01-10	THALLIUM	J	0.0612	0.172	LOQ	mg/kg	J (all detects)
DU07-S013-00-01	CADMIUM SELENIUM SODIUM THALLIUM	J J J J	0.0526 0.235 55.6 0.0634	0.207 0.829 82.9 0.207	LOQ LOQ LOQ LOQ	mg/kg mg/kg mg/kg mg/kg	J (all detects)
DU07-S013-01-10	SELENIUM SODIUM THALLIUM	J J J	0.122 68.1 0.0525	0.830 83.0 0.207	LOQ LOQ LOQ	mg/kg mg/kg mg/kg	J (all detects)
DU07-S016-00-01	CADMIUM SELENIUM SODIUM THALLIUM	J J J J	0.0408 0.165 55.8 0.0811	0.176 0.703 70.3 0.176	LOQ LOQ LOQ LOQ	mg/kg mg/kg mg/kg mg/kg	J (all detects)
DU07-S016-01-10	SELENIUM SODIUM THALLIUM	J J J	0.0942 67.1 0.0596	0.744 74.4 0.186	LOQ LOQ LOQ	mg/kg mg/kg mg/kg	J (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP37 **Laboratory: LLL**

EDD Filename: APP37-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 7471B

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU07-S001-00-01	MERCURY	J	0.0315	0.112	LOQ	mg/kg	J (all detects)
DU07-S003-00-01	MERCURY	J	0.0211	0.109	LOQ	mg/kg	J (all detects)
DU07-S003-01-10	MERCURY	J	0.0107	0.105	LOQ	mg/kg	J (all detects)
DU07-S004-00-01	MERCURY	J	0.0172	0.107	LOQ	mg/kg	J (all detects)
DU07-S008-00-01	MERCURY	J	0.0216	0.103	LOQ	mg/kg	J (all detects)
DU07-S012-00-01	MERCURY	J	0.0213	0.112	LOQ	mg/kg	J (all detects)
DU07-S013-00-01	MERCURY	J	0.0201	0.106	LOQ	mg/kg	J (all detects)
DU07-S013-01-10	MERCURY	J	0.0228	0.106	LOQ	mg/kg	J (all detects)
DU07-S016-00-01	MERCURY	J	0.0134	0.106	LOQ	mg/kg	J (all detects)

Method: 8270D

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU07-S001-00-01	BENZ(A)ANTHRACENE	J	0.009	0.020	LOQ	mg/kg	J (all detects)
	Benzo (g,h,i) perylene	J	0.007	0.020	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.017	0.020	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.015	0.020	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.008	0.020	LOQ	mg/kg	
	CHRYSENE	J	0.012	0.020	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.006	0.020	LOQ	mg/kg	
	PHENANTHRENE	J	0.013	0.020	LOQ	mg/kg	
	PYRENE	J	0.018	0.020	LOQ	mg/kg	
DU07-S003-00-01	2-METHYLNAPHTHALENE	J	0.004	0.018	LOQ	mg/kg	J (all detects)
	ACENAPHTHYLENE	J	0.004	0.018	LOQ	mg/kg	
	ANTHRACENE	J	0.006	0.018	LOQ	mg/kg	
	BENZOIC ACID	J	0.46	0.54	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.006	0.018	LOQ	mg/kg	
	NAPHTHALENE	J	0.004	0.018	LOQ	mg/kg	
DU07-S003-01-10	BENZO(B)FLUORANTHENE	J	0.004	0.018	LOQ	mg/kg	J (all detects)
	PYRENE	J	0.004	0.018	LOQ	mg/kg	
DU07-S003-01-10D	BENZO(A)PYRENE	J	0.004	0.018	LOQ	mg/kg	J (all detects)
	PYRENE	J	0.004	0.018	LOQ	mg/kg	
DU07-S004-00-01	ACENAPHTHYLENE	J	0.004	0.019	LOQ	mg/kg	J (all detects)
	BENZ(A)ANTHRACENE	J	0.013	0.019	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.014	0.019	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.017	0.019	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.014	0.019	LOQ	mg/kg	
	CHRYSENE	J	0.018	0.019	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.005	0.019	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.013	0.019	LOQ	mg/kg	
	NAPHTHALENE	J	0.008	0.019	LOQ	mg/kg	
	PHENANTHRENE	J	0.017	0.019	LOQ	mg/kg	
	PYRENE	J	0.018	0.019	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP37 **Laboratory: LLL**

EDD Filename: APP37-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU07-S008-00-01	ANTHRACENE	J	0.005	0.019	LOQ	mg/kg	J (all detects)
	Benzo (g,h,i) perylene	J	0.017	0.019	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.007	0.019	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.017	0.019	LOQ	mg/kg	
DU07-S008-01-10	BENZO(B)FLUORANTHENE	J	0.005	0.020	LOQ	mg/kg	J (all detects)
	FLUORANTHENE	J	0.004	0.020	LOQ	mg/kg	
	PYRENE	J	0.004	0.020	LOQ	mg/kg	
DU07-S012-00-01	ACENAPHTHYLENE	J	0.007	0.019	LOQ	mg/kg	J (all detects)
	ANTHRACENE	J	0.010	0.019	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.008	0.019	LOQ	mg/kg	
	FLUORENE	J	0.004	0.019	LOQ	mg/kg	
DU07-S013-00-01	2-METHYLNAPHTHALENE	J	0.004	0.019	LOQ	mg/kg	J (all detects)
	ACENAPHTHENE	J	0.005	0.019	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.018	0.019	LOQ	mg/kg	
	BENZOIC ACID	J	0.35	0.55	LOQ	mg/kg	
	FLUORENE	J	0.004	0.019	LOQ	mg/kg	
	NAPHTHALENE	J	0.006	0.019	LOQ	mg/kg	
DU07-S013-00-01-X	2-METHYLNAPHTHALENE	J	0.004	0.019	LOQ	mg/kg	J (all detects)
	ACENAPHTHENE	J	0.008	0.019	LOQ	mg/kg	
	BENZOIC ACID	J	0.28	0.55	LOQ	mg/kg	
	FLUORENE	J	0.009	0.019	LOQ	mg/kg	
	NAPHTHALENE	J	0.006	0.019	LOQ	mg/kg	
DU07-S013-01-10	ANTHRACENE	J	0.004	0.018	LOQ	mg/kg	J (all detects)
	BENZ(A)ANTHRACENE	J	0.009	0.018	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.005	0.018	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.009	0.018	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.010	0.018	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.006	0.018	LOQ	mg/kg	
	CHRYSENE	J	0.009	0.018	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.005	0.018	LOQ	mg/kg	
	PHENANTHRENE	J	0.014	0.018	LOQ	mg/kg	
	PYRENE	J	0.016	0.018	LOQ	mg/kg	
DU07-S016-00-01	BENZ(A)ANTHRACENE	J	0.006	0.018	LOQ	mg/kg	J (all detects)
	Benzo (g,h,i) perylene	J	0.005	0.018	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.008	0.018	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.009	0.018	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.006	0.018	LOQ	mg/kg	
	CHRYSENE	J	0.007	0.018	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.004	0.018	LOQ	mg/kg	
	FLUORANTHENE	J	0.011	0.018	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.004	0.018	LOQ	mg/kg	
	PHENANTHRENE	J	0.007	0.018	LOQ	mg/kg	
	PYRENE	J	0.011	0.018	LOQ	mg/kg	
DU07-S016-01-10	PYRENE	J	0.004	0.020	LOQ	mg/kg	J (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP37 **Laboratory: LLL**

EDD Filename: APP37-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D SIM

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU07-S001-00-01	ACENAPHTHYLENE	J	0.00045	0.0019	LOQ	mg/kg	J (all detects)
	ANTHRACENE	J	0.0014	0.0019	LOQ	mg/kg	
	NAPHTHALENE	J	0.00087	0.0019	LOQ	mg/kg	
DU07-S001-00-01-X	ACENAPHTHENE	J	0.00086	0.0019	LOQ	mg/kg	J (all detects)
	ACENAPHTHYLENE	J	0.00081	0.0019	LOQ	mg/kg	
	FLUORENE	J	0.0015	0.0019	LOQ	mg/kg	
DU07-S001-01-10	BENZO(B)FLUORANTHENE	J	0.00078	0.0019	LOQ	mg/kg	J (all detects)
	PYRENE	J	0.00058	0.0019	LOQ	mg/kg	
DU07-S003-00-01	ACENAPHTHENE	J	0.0014	0.0018	LOQ	mg/kg	J (all detects)
	ACENAPHTHYLENE	J	0.00083	0.0018	LOQ	mg/kg	
	FLUORENE	J	0.0017	0.0018	LOQ	mg/kg	
DU07-S003-01-10	BENZ(A)ANTHRACENE	J	0.00084	0.0018	LOQ	mg/kg	J (all detects)
	BENZO(A)PYRENE	J	0.0011	0.0018	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.0017	0.0018	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.00072	0.0018	LOQ	mg/kg	
	CHRYSENE	J	0.0011	0.0018	LOQ	mg/kg	
	PHENANTHRENE	J	0.00096	0.0018	LOQ	mg/kg	
	PYRENE	J	0.0016	0.0018	LOQ	mg/kg	
DU07-S003-01-10D	2-METHYLNAPHTHALENE	J	0.00073	0.0018	LOQ	mg/kg	J (all detects)
	BENZ(A)ANTHRACENE	J	0.0010	0.0018	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.0013	0.0018	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.00083	0.0018	LOQ	mg/kg	
	CHRYSENE	J	0.0013	0.0018	LOQ	mg/kg	
	PHENANTHRENE	J	0.0012	0.0018	LOQ	mg/kg	
DU07-S004-00-01	1-METHYLNAPHTHALENE	J	0.0010	0.0019	LOQ	mg/kg	J (all detects)
	ACENAPHTHYLENE	J	0.00044	0.0019	LOQ	mg/kg	
	ANTHRACENE	J	0.0011	0.0019	LOQ	mg/kg	
DU07-S004-00-01-X	ACENAPHTHYLENE	J	0.00082	0.0019	LOQ	mg/kg	J (all detects)
DU07-S004-01-10	BENZO(A)PYRENE	J	0.00075	0.0018	LOQ	mg/kg	J (all detects)
	BENZO(B)FLUORANTHENE	J	0.0014	0.0018	LOQ	mg/kg	
	CHRYSENE	J	0.00063	0.0018	LOQ	mg/kg	
	PYRENE	J	0.00068	0.0018	LOQ	mg/kg	
DU07-S008-00-01	2-METHYLNAPHTHALENE	J	0.00085	0.0018	LOQ	mg/kg	J (all detects)
	ACENAPHTHENE	J	0.0013	0.0018	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.00064	0.0018	LOQ	mg/kg	
	FLUORENE	J	0.0015	0.0018	LOQ	mg/kg	
	NAPHTHALENE	J	0.0013	0.0018	LOQ	mg/kg	
DU07-S008-01-10	BENZ(A)ANTHRACENE	J	0.0010	0.0019	LOQ	mg/kg	J (all detects)
	BENZO(A)PYRENE	J	0.0013	0.0019	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.00089	0.0019	LOQ	mg/kg	
	CHRYSENE	J	0.0013	0.0019	LOQ	mg/kg	
	PHENANTHRENE	J	0.0010	0.0019	LOQ	mg/kg	
DU07-S012-00-01	1-METHYLNAPHTHALENE	J	0.0010	0.0019	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.0014	0.0019	LOQ	mg/kg	
	ACENAPHTHENE	J	0.0018	0.0019	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.0013	0.0019	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP37 **Laboratory: LLL**

EDD Filename: APP37-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**

Matrix: **SOIL**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
DU07-S012-01-10	BENZO(A)PYRENE	J	0.00082	0.0019	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.0014	0.0019	LOQ	mg/kg	
	CHRYSENE	J	0.00080	0.0019	LOQ	mg/kg	J (all detects)
	FLUORANTHENE	J	0.0015	0.0019	LOQ	mg/kg	
	NAPHTHALENE	J	0.00077	0.0019	LOQ	mg/kg	
DU07-S013-01-10	ACENAPHTHENE	J	0.0010	0.0018	LOQ	mg/kg	
	BENZO(G,H,I)PERYLENE	J	0.0014	0.0018	LOQ	mg/kg	J (all detects)
	FLUORENE	J	0.0011	0.0018	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.0016	0.0018	LOQ	mg/kg	
DU07-S016-00-01	ANTHRACENE	J	0.00054	0.0018	LOQ	mg/kg	
	BENZO(G,H,I)PERYLENE	J	0.0015	0.0018	LOQ	mg/kg	J (all detects)
	INDENO(1,2,3-CD)PYRENE	J	0.0017	0.0018	LOQ	mg/kg	
DU07-S016-01-10	BENZO(B)FLUORANTHENE	J	0.0013	0.0020	LOQ	mg/kg	
	CHRYSENE	J	0.00075	0.0020	LOQ	mg/kg	
	FLUORANTHENE	J	0.0013	0.0020	LOQ	mg/kg	J (all detects)
	PHENANTHRENE	J	0.00086	0.0020	LOQ	mg/kg	
	PYRENE	J	0.0014	0.0020	LOQ	mg/kg	

Method Blank Outlier Report

Lab Reporting Batch ID: APP37 **Laboratory: LLL**

EDD Filename: APP37-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**
Matrix: **SOIL**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P19363BB193063702	7/17/2017 2:19:00 PM	CALCIUM LEAD MANGANESE ZINC	20.1 mg/kg 0.0494 mg/kg 0.500 mg/kg 1.03 mg/kg	DU07-S001-00-01 DU07-S001-01-10 DU07-S001-01-10D DU07-S003-00-01 DU07-S003-01-10 DU07-S003-01-10D DU07-S004-00-01 DU07-S004-01-10 DU07-S008-00-01 DU07-S008-01-10 DU07-S012-00-01 DU07-S012-01-10 DU07-S013-00-01 DU07-S013-01-10 DU07-S016-00-01 DU07-S016-01-10

Method: **8270D SIM**
Matrix: **SOIL**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
PLKLC21B212SLC026	8/7/2017 10:55:00 AM	NAPHTHALENE	0.0014 mg/kg	DU07-S004-00-01-X

Equipment Rinsate Blank Outlier Report

Lab Reporting Batch ID: APP37 **Laboratory: LLL**

EDD Filename: APP37-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**
Matrix: **SOIL**

Equipment Blank Sample ID	Collected Date	Analyte	Result	Associated Samples
EB-SO061417-02(Initial/TOT)	6/14/2017 12:30:00 PM	NAPHTHALENE	0.19 ug/l	DU07-S001-00-01 DU07-S001-00-01-X DU07-S001-01-10 DU07-S001-01-10D DU07-S003-00-01 DU07-S003-01-10 DU07-S003-01-10D DU07-S004-00-01 DU07-S004-00-01-X DU07-S004-01-10 DU07-S008-00-01 DU07-S008-01-10 DU07-S012-00-01 DU07-S012-01-10 DU07-S013-00-01 DU07-S013-00-01-X DU07-S013-01-10 DU07-S016-00-01 DU07-S016-01-10

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
DU07-S001-00-01(Initial)	NAPHTHALENE	0.00086 mg/kg	0.0019U mg/kg
DU07-S001-00-01(Reanalysis-01)	NAPHTHALENE	0.00087 mg/kg	0.0019U mg/kg
DU07-S012-01-10(Initial)	NAPHTHALENE	0.00077 mg/kg	0.0019U mg/kg

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Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page	1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.		
Laboratory SDG:	APP38		
Date(s) of Collection:	June 15th, 2017		
Number/Type Samples & Analyses:	12 soil samples and 1 field duplicate for a project-specific list of SVOCs, PAHs, hexavalent chromium and metals		
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA		
Completed:	August 25th, 2017		

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for soil data included in Sample Delivery Group (SDG) APP38. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017.

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✓ Holding times and sample preservation

✓ Laboratory method blank data

✗ Field rinsate blank data

NA Trip blank data

✓ Laboratory control sample (LCS) recoveries

✗ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✓ Surrogate recoveries

✓ Laboratory duplicate results

✗ Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of "J" data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

All the soil samples were run for regular 8270 and 8270 SIM. The final results will be presented in 8270 SIM.

Sample DU03-S008-01-02 was analyzed for 8270D SIM however the internal standards were outside QC acceptance criteria. Sample was re-analyzed and was once again outside the limits which indicated a matrix effect. Both set of results are comparable. The initial results will be presented.

The prep technician failed to spike the LCS/MS/MSD with both the LCS mix #1 (includes all of the analytes requested for the project) and BNA surrogate mix in method 8270D. The LCS/MS/MSD samples were only spiked with LCS mix #1 and not with the surrogates; other samples and the blank were correctly spiked with the surrogate mix. Samples in the batch were: DU03-S001-00-01, DU03-S001-01-02, DU03-S001-01-02D, DU03-S002-00-01, DU03-S002-01-02, DU03-S003-00-01, DU03-S003-01-02, DU03-S004-00-01, DU03-S004-01-02, DU03-S005-00-01, DU03-S005-01-02, DU03-S006-00-01, DU03-S009-00-01, DU03-S009-01-02, DU03-S013-00-01, DU03-S013-01-02, amd DU03-S014-00-01. The samples were re-extracted outside method holding time and the surrogate recoveries were acceptable. Both initial and re-analysis results are comparable and initial results will be presented as the final results.

The 8270D SIM blank was prepared with the internal standard (IS) mix that is normally used for regular 8270 for one extraction batch; samples in the batch were DU03-S001-00-01, DU03-S001-01-02, DU03-S001-01-02D, DU03-S002-00-01, DU03-S002-01-02, DU03-S003-00-01, DU03-S003-01-02, DU03-S004-00-01, DU03-S004-01-02, DU03-S005-00-01, DU03-S005-01-02, DU03-S006-00-01, DU03-S009-00-01, DU03-S009-01-02, DU03-S013-00-01, DU03-S013-01-02, and DU03-S014-00-01. This puts the internal standards at 20x too high for four of the 6 internal standards that used for SIM. The four internal standards are: Napthalene-d8, Acenaphthene-d10, Phenanthrene-d10, and Perylene-d12. The PAH compounds not affected by these IS are: pyrene, benzo(a)anthracene, and chrysene. ADR doesn't automatically review internal standards and there is minimal impact to the results.

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Validation Area	*Note*
Technical Holding Times	SR
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	SR
Surrogate/Tracer Spikes	A
Matrix Spike/Matrix Spike Duplicates	SR
Laboratory Duplicates	N
Laboratory Replicates	N
Laboratory Control Samples	A
Compound Quantitation	SR
Field Duplicates	SR
Field Triplicates	N
Field Blanks	SR

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU03-S001-00-01 **Collected:** 6/15/2017 1:30:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0528	J	0.0947	LOD	0.189	LOQ	mg/kg	J	RI
SELENIUM	0.211	J	0.189	LOD	0.757	LOQ	mg/kg	J	RI
THALLIUM	0.0608	J	0.0473	LOD	0.189	LOQ	mg/kg	J	RI
SODIUM	73.4	J	18.9	LOD	75.7	LOQ	mg/kg	J	RI

Sample ID: DU03-S002-00-01 **Collected:** 6/15/2017 1:05:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.650	J	0.417	LOD	0.833	LOQ	mg/kg	J	RI
BERYLLIUM	0.143	J	0.0260	LOD	0.208	LOQ	mg/kg	J	RI
CADMIUM	0.0769	J	0.104	LOD	0.208	LOQ	mg/kg	J	RI
SODIUM	67.4	J	20.8	LOD	83.3	LOQ	mg/kg	J	RI
THALLIUM	0.0433	J	0.0521	LOD	0.208	LOQ	mg/kg	J	RI

Sample ID: DU03-S003-00-01 **Collected:** 6/15/2017 12:45:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.259	J	0.0338	LOD	0.271	LOQ	mg/kg	J	RI
CADMIUM	0.113	J	0.135	LOD	0.271	LOQ	mg/kg	J	RI
SELENIUM	0.214	J	0.271	LOD	1.08	LOQ	mg/kg	J	RI
SODIUM	98.0	J	27.1	LOD	108	LOQ	mg/kg	J	RI
THALLIUM	0.0482	J	0.0676	LOD	0.271	LOQ	mg/kg	J	RI

Sample ID: DU03-S004-00-01 **Collected:** 6/15/2017 12:25:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.136	J	0.0314	LOD	0.251	LOQ	mg/kg	J	RI
SELENIUM	0.170	J	0.251	LOD	1.01	LOQ	mg/kg	J	RI
THALLIUM	0.0317	J	0.0629	LOD	0.251	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU03-S005-00-01 **Collected:** 6/15/2017 1:55:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.253	J	0.278	LOD	1.11	LOQ	mg/kg	J	RI
THALLIUM	0.0632	J	0.0696	LOD	0.278	LOQ	mg/kg	J	RI

Sample ID: DU03-S006-00-01 **Collected:** 6/15/2017 3:00:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.265	J	0.0368	LOD	0.294	LOQ	mg/kg	J	RI
CADMIUM	0.0779	J	0.147	LOD	0.294	LOQ	mg/kg	J	RI
SELENIUM	0.287	J	0.294	LOD	1.18	LOQ	mg/kg	J	RI
THALLIUM	0.0914	J	0.0735	LOD	0.294	LOQ	mg/kg	J	RI

Sample ID: DU03-S007-00-01 **Collected:** 6/16/2017 8:05:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.154	J	0.176	LOD	0.351	LOQ	mg/kg	J	RI
THALLIUM	0.108	J	0.0878	LOD	0.351	LOQ	mg/kg	J	RI

Sample ID: DU03-S008-00-01 **Collected:** 6/16/2017 8:25:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.146	J	0.0281	LOD	0.225	LOQ	mg/kg	J	RI
CADMIUM	0.0670	J	0.112	LOD	0.225	LOQ	mg/kg	J	RI
SELENIUM	0.205	J	0.225	LOD	0.900	LOQ	mg/kg	J	RI
THALLIUM	0.0443	J	0.0562	LOD	0.225	LOQ	mg/kg	J	RI

Sample ID: DU03-S009-00-01 **Collected:** 6/15/2017 2:10:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.141	J	0.0297	LOD	0.237	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU03-S010-00-01 **Collected:** 6/15/2017 3:25:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.196	J	0.0316	LOD	0.253	LOQ	mg/kg	J	RI
SELENIUM	0.136	J	0.253	LOD	1.01	LOQ	mg/kg	J	RI
THALLIUM	0.0339	J	0.0633	LOD	0.253	LOQ	mg/kg	J	RI

Sample ID: DU03-S011-00-01 **Collected:** 6/16/2017 7:55:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.249	J	0.0447	LOD	0.358	LOQ	mg/kg	J	RI
CADMIUM	0.0719	J	0.179	LOD	0.358	LOQ	mg/kg	J	RI
SELENIUM	0.613	J	0.358	LOD	1.43	LOQ	mg/kg	J	RI
THALLIUM	0.0487	J	0.0895	LOD	0.358	LOQ	mg/kg	J	RI

Sample ID: DU03-S012-00-01 **Collected:** 6/16/2017 8:15:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.162	J	0.0297	LOD	0.237	LOQ	mg/kg	J	RI
COPPER	0.894	J	0.237	LOD	0.950	LOQ	mg/kg	J	RI
SELENIUM	0.296	J	0.237	LOD	0.950	LOQ	mg/kg	J	RI
THALLIUM	0.0926	J	0.0594	LOD	0.237	LOQ	mg/kg	J	RI
ZINC	6.03	J	3.56	LOD	7.12	LOQ	mg/kg	J	RI

Sample ID: DU03-S013-00-01 **Collected:** 6/15/2017 2:40:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0867	J	0.146	LOD	0.292	LOQ	mg/kg	J	RI
SELENIUM	0.474	J	0.292	LOD	1.17	LOQ	mg/kg	J	RI
THALLIUM	0.0794	J	0.0730	LOD	0.292	LOQ	mg/kg	J	RI

Sample ID: DU03-S013-00-01 **Collected:** 6/15/2017 2:40:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.244	J	0.292	LOD	0.584	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix: SOIL**

Sample ID: DU03-S014-00-01 **Collected:** 6/15/2017 3:40:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.201	J	0.0293	LOD	0.235	LOQ	mg/kg	J	RI
CADMIUM	0.0716	J	0.117	LOD	0.235	LOQ	mg/kg	J	RI
SELENIUM	0.302	J	0.235	LOD	0.939	LOQ	mg/kg	J	RI
SILVER	0.0345	J	0.0587	LOD	0.235	LOQ	mg/kg	J	RI
SODIUM	84.7	J	23.5	LOD	93.9	LOQ	mg/kg	J	RI
THALLIUM	0.0810	J	0.0587	LOD	0.235	LOQ	mg/kg	J	RI

Sample ID: DU03-S015-00-01 **Collected:** 6/15/2017 4:00:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.327	J	0.193	LOD	0.771	LOQ	mg/kg	J	RI
SODIUM	67.9	J	19.3	LOD	77.1	LOQ	mg/kg	J	RI
THALLIUM	0.0824	J	0.0482	LOD	0.193	LOQ	mg/kg	J	RI

Sample ID: DU03-S016-00-01 **Collected:** 6/16/2017 8:50:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.183	J	0.0340	LOD	0.272	LOQ	mg/kg	J	RI
CADMIUM	0.119	J	0.136	LOD	0.272	LOQ	mg/kg	J	RI
THALLIUM	0.0544	J	0.0680	LOD	0.272	LOQ	mg/kg	J	RI

Method Category: METALS

Method: 7471B **Matrix: SOIL**

Sample ID: DU03-S001-00-01 **Collected:** 6/15/2017 1:30:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0230	J	0.0231	LOD	0.139	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7471B **Matrix:** SOIL

Sample ID: DU03-S003-00-01 **Collected:** 6/15/2017 12:45:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0215	J	0.0254	LOD	0.152	LOQ	mg/kg	J	RI

Sample ID: DU03-S004-00-01 **Collected:** 6/15/2017 12:25:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0150	J	0.0216	LOD	0.130	LOQ	mg/kg	J	RI

Sample ID: DU03-S005-00-01 **Collected:** 6/15/2017 1:55:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0206	J	0.0234	LOD	0.140	LOQ	mg/kg	J	RI

Sample ID: DU03-S006-00-01 **Collected:** 6/15/2017 3:00:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0329	J	0.0283	LOD	0.170	LOQ	mg/kg	J	RI

Sample ID: DU03-S007-00-01 **Collected:** 6/16/2017 8:05:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0295	J	0.0436	LOD	0.262	LOQ	mg/kg	J	RI

Sample ID: DU03-S008-00-01 **Collected:** 6/16/2017 8:25:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0216	J	0.0192	LOD	0.115	LOQ	mg/kg	J	RI

Sample ID: DU03-S010-00-01 **Collected:** 6/15/2017 3:25:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0190	J	0.0234	LOD	0.140	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7471B **Matrix:** SOIL

Sample ID: DU03-S011-00-01 **Collected:** 6/16/2017 7:55:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0236	J	0.0317	LOD	0.190	LOQ	mg/kg	J	RI

Sample ID: DU03-S012-00-01 **Collected:** 6/16/2017 8:15:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0178	J	0.0258	LOD	0.155	LOQ	mg/kg	J	RI

Sample ID: DU03-S013-00-01 **Collected:** 6/15/2017 2:40:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.123	J	0.0243	LOD	0.146	LOQ	mg/kg	J	RI

Sample ID: DU03-S014-00-01 **Collected:** 6/15/2017 3:40:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0411	J	0.0204	LOD	0.122	LOQ	mg/kg	J	RI

Sample ID: DU03-S015-00-01 **Collected:** 6/15/2017 4:00:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0360	J	0.0196	LOD	0.118	LOQ	mg/kg	J	RI

Sample ID: DU03-S016-00-01 **Collected:** 6/16/2017 8:50:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0165	J	0.0261	LOD	0.157	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU03-S001-00-01 **Collected:** 6/15/2017 1:30:00 PM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.37	J	0.70	LOD	0.70	LOQ	mg/kg	J	RI

Sample ID: DU03-S001-00-01 **Collected:** 6/15/2017 1:30:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.006	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, ProfJudg
2-METHYLNAPHTHALENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.007	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.016	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, ProfJudg
BENZALDEHYDE	0.12	J	0.19	LOD	0.23	LOQ	mg/kg	J	RI
Benzo (g,h,i) perylene	0.014	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.016	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.022	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.013	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.019	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.032		0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.013	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.01	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.021	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.029		0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU03-S001-00-01-X **Collected:** 6/15/2017 1:30:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.047	U	0.047	LOD	0.047	LOQ	mg/kg	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	0.047	U	0.047	LOD	0.047	LOQ	mg/kg	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	0.093	U	0.093	LOD	0.093	LOQ	mg/kg	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **SOIL**

Sample ID: **DU03-S001-00-01-X** ***Collected:*** **6/15/2017 1:30:00 PM** ***Analysis Type:*** **Reanalysis-01-ACID** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.035	J	0.047	LOD	0.047	LOQ	mg/kg	NP	RI, StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	0.047	U	0.047	LOD	0.047	LOQ	mg/kg	NP	StoE, ProfJudg
BENZOIC ACID	0.70	U	0.70	LOD	0.70	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: **DU03-S001-00-01-X** ***Collected:*** **6/15/2017 1:30:00 PM** ***Analysis Type:*** **Reanalysis-01-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	0.047	U	0.047	LOD	0.047	LOQ	mg/kg	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.008	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, StoE, ProfJudg
2-CHLORONAPHTHALENE	0.019	U	0.019	LOD	0.046	LOQ	mg/kg	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.008	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, StoE, ProfJudg
ANTHRACENE	0.005	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZ(A)ANTHRACENE	0.017	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZALDEHYDE	0.19	U	0.19	LOD	0.23	LOQ	mg/kg	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.009	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZO(A)PYRENE	0.018	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.021	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.009	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	0.19	U	0.19	LOD	0.24	LOQ	mg/kg	NP	StoE, ProfJudg
Butyl benzyl phthalate	0.19	U	0.19	LOD	0.23	LOQ	mg/kg	NP	StoE, ProfJudg
CAPROLACTAM	0.19	U	0.19	LOD	0.23	LOQ	mg/kg	NP	StoE, ProfJudg
CARBAZOLE	0.047	U	0.047	LOD	0.047	LOQ	mg/kg	NP	StoE, ProfJudg
CHRYSENE	0.018	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	StoE, ProfJudg
DIBENZOFURAN	0.047	U	0.047	LOD	0.047	LOQ	mg/kg	NP	StoE, ProfJudg
DIETHYL PHTHALATE	0.19	U	0.19	LOD	0.23	LOQ	mg/kg	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	0.19	U	0.19	LOD	0.23	LOQ	mg/kg	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU03-S001-00-01-X **Collected:** 6/15/2017 1:30:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DI-N-BUTYL PHTHALATE	0.19	U	0.19	LOD	0.23	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	0.19	U	0.19	LOD	0.23	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORANTHENE	0.029		0.009	LOD	0.024	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.01	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, StoE, ProfJudg
NAPHTHALENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	StoE, ProfJudg
PHENANTHRENE	0.017	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, StoE, ProfJudg
PYRENE	0.026		0.009	LOD	0.024	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: DU03-S001-01-02 **Collected:** 6/15/2017 1:35:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg, Fd
Benzo (g,h,i) perylene	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.004	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg, Fd
DIBENZO(A,H)ANTHRACENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU03-S001-01-02D **Collected:** 6/15/2017 1:35:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.004	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg, Fd
Benzo (g,h,i) perylene	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg, Fd
DIBENZO(A,H)ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU03-S001-01-02D-X **Collected:** 6/15/2017 1:35:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.040	U	0.040	LOD	0.040	LOQ	mg/kg	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	0.040	U	0.040	LOD	0.040	LOQ	mg/kg	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	0.079	U	0.079	LOD	0.079	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: DU03-S001-01-02D-X **Collected:** 6/15/2017 1:35:00 PM **Analysis Type:** Reanalysis-01-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.039	J	0.040	LOD	0.040	LOQ	mg/kg	NP	RI, StoE, ProfJudg, Fd
4-CHLORO-3-METHYLPHENOL	0.040	U	0.040	LOD	0.040	LOQ	mg/kg	NP	StoE, ProfJudg
BENZOIC ACID	0.60	U	0.60	LOD	0.60	LOQ	mg/kg	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **SOIL**

Sample ID: **DU03-S001-01-02D-X** ***Collected:*** **6/15/2017 1:35:00 PM** ***Analysis Type:*** **Reanalysis-01-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1,4-DICHLOROBENZENE	0.040	U	0.040	LOD	0.040	LOQ	mg/kg	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	0.016	U	0.016	LOD	0.039	LOQ	mg/kg	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	StoE, ProfJudg
ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.006	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZALDEHYDE	0.16	U	0.16	LOD	0.20	LOQ	mg/kg	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	StoE, ProfJudg, Fd
BENZO(B)FLUORANTHENE	0.008	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	0.16	U	0.16	LOD	0.20	LOQ	mg/kg	NP	StoE, ProfJudg
Butyl benzyl phthalate	0.16	U	0.16	LOD	0.20	LOQ	mg/kg	NP	StoE, ProfJudg
CAPROLACTAM	0.16	U	0.16	LOD	0.20	LOQ	mg/kg	NP	StoE, ProfJudg
CARBAZOLE	0.040	U	0.040	LOD	0.040	LOQ	mg/kg	NP	StoE, ProfJudg
CHRYSENE	0.008	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	StoE, ProfJudg, Fd
DIBENZOFURAN	0.040	U	0.040	LOD	0.040	LOQ	mg/kg	NP	StoE, ProfJudg
DIETHYL PHTHALATE	0.16	U	0.16	LOD	0.20	LOQ	mg/kg	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	0.16	U	0.16	LOD	0.20	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	0.16	U	0.16	LOD	0.20	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	0.16	U	0.16	LOD	0.20	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORANTHENE	0.008	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, StoE, ProfJudg
FLUORENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	StoE, ProfJudg
NAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	StoE, ProfJudg
PHENANTHRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	StoE, ProfJudg
PYRENE	0.008	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix: SOIL**

Sample ID: DU03-S001-01-02-X **Collected:** 6/15/2017 1:35:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.040	U	0.040	LOD	0.040	LOQ	mg/kg	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	0.040	U	0.040	LOD	0.040	LOQ	mg/kg	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	0.081	U	0.081	LOD	0.081	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: DU03-S001-01-02-X **Collected:** 6/15/2017 1:35:00 PM **Analysis Type:** Reanalysis-01-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.040	U	0.040	LOD	0.040	LOQ	mg/kg	NP	StoE, ProfJudg, Fd
4-CHLORO-3-METHYLPHENOL	0.040	U	0.040	LOD	0.040	LOQ	mg/kg	NP	StoE, ProfJudg
BENZOIC ACID	0.61	U	0.61	LOD	0.61	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: DU03-S001-01-02-X **Collected:** 6/15/2017 1:35:00 PM **Analysis Type:** Reanalysis-01-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	0.040	U	0.040	LOD	0.040	LOQ	mg/kg	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	0.016	U	0.016	LOD	0.040	LOQ	mg/kg	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	StoE, ProfJudg
ANTHRACENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.008	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZALDEHYDE	0.16	U	0.16	LOD	0.20	LOQ	mg/kg	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.006	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, StoE, ProfJudg, Fd
BENZO(B)FLUORANTHENE	0.010	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	0.16	U	0.16	LOD	0.21	LOQ	mg/kg	NP	StoE, ProfJudg
Butyl benzyl phthalate	0.16	U	0.16	LOD	0.20	LOQ	mg/kg	NP	StoE, ProfJudg
CAPROLACTAM	0.16	U	0.16	LOD	0.20	LOQ	mg/kg	NP	StoE, ProfJudg
CARBAZOLE	0.040	U	0.040	LOD	0.040	LOQ	mg/kg	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU03-S001-01-02-X **Collected:** 6/15/2017 1:35:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.007	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.005	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, StoE, ProfJudg, Fd
DIBENZOFURAN	0.040	U	0.040	LOD	0.040	LOQ	mg/kg	NP	StoE, ProfJudg
DIETHYL PHTHALATE	0.16	U	0.16	LOD	0.20	LOQ	mg/kg	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	0.16	U	0.16	LOD	0.20	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	0.16	U	0.16	LOD	0.20	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	0.16	U	0.16	LOD	0.20	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORANTHENE	0.009	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, StoE, ProfJudg
FLUORENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	StoE, ProfJudg
NAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	StoE, ProfJudg
PHENANTHRENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	StoE, ProfJudg
PYRENE	0.009	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, StoE, ProfJudg

Sample ID: DU03-S002-00-01 **Collected:** 6/15/2017 1:05:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.005	J	0.009	LOD	0.022	LOQ	mg/kg	NP	RI, ProfJudg
Benzo (g,h,i) perylene	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.004	J	0.009	LOD	0.022	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.007	J	0.009	LOD	0.022	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.006	J	0.009	LOD	0.022	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.007	J	0.009	LOD	0.022	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU03-S002-00-01 **Collected:** 6/15/2017 1:05:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
INDENO(1,2,3-CD)PYRENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.008	J	0.009	LOD	0.022	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: DU03-S002-00-01-X **Collected:** 6/15/2017 1:05:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.044	U	0.044	LOD	0.044	LOQ	mg/kg	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	0.044	U	0.044	LOD	0.044	LOQ	mg/kg	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	0.087	U	0.087	LOD	0.087	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: DU03-S002-00-01-X **Collected:** 6/15/2017 1:05:00 PM **Analysis Type:** Reanalysis-01-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.033	J	0.044	LOD	0.044	LOQ	mg/kg	NP	RI, StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	0.044	U	0.044	LOD	0.044	LOQ	mg/kg	NP	StoE, ProfJudg
BENZOIC ACID	0.65	U	0.65	LOD	0.65	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: DU03-S002-00-01-X **Collected:** 6/15/2017 1:05:00 PM **Analysis Type:** Reanalysis-01-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	0.044	U	0.044	LOD	0.044	LOQ	mg/kg	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	0.017	U	0.017	LOD	0.043	LOQ	mg/kg	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	StoE, ProfJudg
ANTHRACENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.009	J	0.009	LOD	0.022	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZALDEHYDE	0.17	U	0.17	LOD	0.22	LOQ	mg/kg	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU03-S002-00-01-X **Collected:** 6/15/2017 1:05:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(A)PYRENE	0.007	J	0.009	LOD	0.022	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.01	J	0.009	LOD	0.022	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	0.17	U	0.17	LOD	0.22	LOQ	mg/kg	NP	StoE, ProfJudg
Butyl benzyl phthalate	0.17	U	0.17	LOD	0.22	LOQ	mg/kg	NP	StoE, ProfJudg
CAPROLACTAM	0.17	U	0.17	LOD	0.22	LOQ	mg/kg	NP	StoE, ProfJudg
CARBAZOLE	0.044	U	0.044	LOD	0.044	LOQ	mg/kg	NP	StoE, ProfJudg
CHRYSENE	0.012	J	0.009	LOD	0.022	LOQ	mg/kg	NP	RI, StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	StoE, ProfJudg
DIBENZOFURAN	0.044	U	0.044	LOD	0.044	LOQ	mg/kg	NP	StoE, ProfJudg
DIETHYL PHTHALATE	0.17	U	0.17	LOD	0.22	LOQ	mg/kg	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	0.17	U	0.17	LOD	0.22	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	0.17	U	0.17	LOD	0.22	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	0.17	U	0.17	LOD	0.22	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORANTHENE	0.012	J	0.009	LOD	0.022	LOQ	mg/kg	NP	RI, StoE, ProfJudg
FLUORENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.006	J	0.009	LOD	0.022	LOQ	mg/kg	NP	RI, StoE, ProfJudg
NAPHTHALENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	StoE, ProfJudg
PHENANTHRENE	0.007	J	0.009	LOD	0.022	LOQ	mg/kg	NP	RI, StoE, ProfJudg
PYRENE	0.013	J	0.009	LOD	0.022	LOQ	mg/kg	NP	RI, StoE, ProfJudg

Sample ID: DU03-S002-01-02 **Collected:** 6/15/2017 1:10:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.011	U	0.011	LOD	0.029	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.011	U	0.011	LOD	0.029	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.011	U	0.011	LOD	0.029	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.011	U	0.011	LOD	0.029	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.011	U	0.011	LOD	0.029	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.011	U	0.011	LOD	0.029	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU03-S002-01-02 **Collected:** 6/15/2017 1:10:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Benzo (g,h,i) perylene	0.011	U	0.011	LOD	0.029	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.011	U	0.011	LOD	0.029	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.008	J	0.011	LOD	0.029	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.008	J	0.011	LOD	0.029	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.011	U	0.011	LOD	0.029	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.011	U	0.011	LOD	0.029	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.006	J	0.011	LOD	0.029	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.011	U	0.011	LOD	0.029	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.011	U	0.011	LOD	0.029	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.011	U	0.011	LOD	0.029	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.011	U	0.011	LOD	0.029	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.011	U	0.011	LOD	0.029	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU03-S002-01-02-X **Collected:** 6/15/2017 1:10:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.056	U	0.056	LOD	0.056	LOQ	mg/kg	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	0.056	U	0.056	LOD	0.056	LOQ	mg/kg	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	0.11	U	0.11	LOD	0.11	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: DU03-S002-01-02-X **Collected:** 6/15/2017 1:10:00 PM **Analysis Type:** Reanalysis-01-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.056	U	0.056	LOD	0.056	LOQ	mg/kg	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	0.056	U	0.056	LOD	0.056	LOQ	mg/kg	NP	StoE, ProfJudg
BENZOIC ACID	0.84	U	0.84	LOD	0.84	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: DU03-S002-01-02-X **Collected:** 6/15/2017 1:10:00 PM **Analysis Type:** Reanalysis-01-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	0.056	U	0.056	LOD	0.056	LOQ	mg/kg	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.011	U	0.011	LOD	0.029	LOQ	mg/kg	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **SOIL**

Sample ID: **DU03-S002-01-02-X** ***Collected:*** **6/15/2017 1:10:00 PM** ***Analysis Type:*** **Reanalysis-01-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
2-CHLORONAPHTHALENE	0.022	U	0.022	LOD	0.055	LOQ	mg/kg	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.011	U	0.011	LOD	0.029	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHENE	0.011	U	0.011	LOD	0.029	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.011	U	0.011	LOD	0.029	LOQ	mg/kg	NP	StoE, ProfJudg
ANTHRACENE	0.011	U	0.011	LOD	0.029	LOQ	mg/kg	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.011	U	0.011	LOD	0.029	LOQ	mg/kg	NP	StoE, ProfJudg
BENZALDEHYDE	0.22	U	0.22	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.011	U	0.011	LOD	0.029	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.011	U	0.011	LOD	0.029	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.011	U	0.011	LOD	0.029	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.011	U	0.011	LOD	0.029	LOQ	mg/kg	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	0.22	U	0.22	LOD	0.29	LOQ	mg/kg	NP	StoE, ProfJudg
Butyl benzyl phthalate	0.22	U	0.22	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
CAPROLACTAM	0.22	U	0.22	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
CARBAZOLE	0.056	U	0.056	LOD	0.056	LOQ	mg/kg	NP	StoE, ProfJudg
CHRYSENE	0.011	U	0.011	LOD	0.029	LOQ	mg/kg	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.011	U	0.011	LOD	0.029	LOQ	mg/kg	NP	StoE, ProfJudg
DIBENZOFURAN	0.056	U	0.056	LOD	0.056	LOQ	mg/kg	NP	StoE, ProfJudg
DIETHYL PHTHALATE	0.22	U	0.22	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	0.22	U	0.22	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	0.22	U	0.22	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	0.22	U	0.22	LOD	0.28	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORANTHENE	0.009	J	0.011	LOD	0.029	LOQ	mg/kg	NP	RI, StoE, ProfJudg
FLUORENE	0.011	U	0.011	LOD	0.029	LOQ	mg/kg	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.011	U	0.011	LOD	0.029	LOQ	mg/kg	NP	StoE, ProfJudg
NAPHTHALENE	0.011	U	0.011	LOD	0.029	LOQ	mg/kg	NP	StoE, ProfJudg
PHENANTHRENE	0.011	U	0.011	LOD	0.029	LOQ	mg/kg	NP	StoE, ProfJudg
PYRENE	0.008	J	0.011	LOD	0.029	LOQ	mg/kg	NP	RI, StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU03-S003-00-01 **Collected:** 6/15/2017 12:45:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.011	U	0.011	LOD	0.027	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.011	U	0.011	LOD	0.027	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.011	U	0.011	LOD	0.027	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.011	U	0.011	LOD	0.027	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.007	J	0.011	LOD	0.027	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.011	J	0.011	LOD	0.027	LOQ	mg/kg	NP	RI, ProfJudg
Benzo (g,h,i) perylene	0.012	J	0.011	LOD	0.027	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.011	J	0.011	LOD	0.027	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.014	J	0.011	LOD	0.027	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.011	J	0.011	LOD	0.027	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.013	J	0.011	LOD	0.027	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.011	U	0.011	LOD	0.027	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.030		0.011	LOD	0.027	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.011	U	0.011	LOD	0.027	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.008	J	0.011	LOD	0.027	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.011	U	0.011	LOD	0.027	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.020	J	0.011	LOD	0.027	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.026	J	0.011	LOD	0.027	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: DU03-S003-00-01-X **Collected:** 6/15/2017 12:45:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.054	U	0.054	LOD	0.054	LOQ	mg/kg	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	0.054	U	0.054	LOD	0.054	LOQ	mg/kg	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	0.11	U	0.11	LOD	0.11	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: DU03-S003-00-01-X **Collected:** 6/15/2017 12:45:00 PM **Analysis Type:** Reanalysis-01-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.16		0.054	LOD	0.054	LOQ	mg/kg	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	0.054	U	0.054	LOD	0.054	LOQ	mg/kg	NP	StoE, ProfJudg
BENZOIC ACID	0.81	U	0.81	LOD	0.81	LOQ	mg/kg	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **SOIL**

Sample ID: **DU03-S003-00-01-X** ***Collected:*** **6/15/2017 12:45:00 PM** ***Analysis Type:*** **Reanalysis-01-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1,4-DICHLOROBENZENE	0.054	U	0.054	LOD	0.054	LOQ	mg/kg	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.011	U	0.011	LOD	0.027	LOQ	mg/kg	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	0.022	U	0.022	LOD	0.053	LOQ	mg/kg	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.011	U	0.011	LOD	0.027	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHENE	0.011	U	0.011	LOD	0.027	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.011	U	0.011	LOD	0.027	LOQ	mg/kg	NP	StoE, ProfJudg
ANTHRACENE	0.011	U	0.011	LOD	0.027	LOQ	mg/kg	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.013	J	0.011	LOD	0.027	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZALDEHYDE	0.22	U	0.22	LOD	0.27	LOQ	mg/kg	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.011	U	0.011	LOD	0.027	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.011	J	0.011	LOD	0.027	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.018	J	0.011	LOD	0.027	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.011	U	0.011	LOD	0.027	LOQ	mg/kg	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	0.22	U	0.22	LOD	0.27	LOQ	mg/kg	NP	StoE, ProfJudg
Butyl benzyl phthalate	0.22	U	0.22	LOD	0.27	LOQ	mg/kg	NP	StoE, ProfJudg
CAPROLACTAM	0.22	U	0.22	LOD	0.27	LOQ	mg/kg	NP	StoE, ProfJudg
CARBAZOLE	0.054	U	0.054	LOD	0.054	LOQ	mg/kg	NP	StoE, ProfJudg
CHRYSENE	0.014	J	0.011	LOD	0.027	LOQ	mg/kg	NP	RI, StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.011	U	0.011	LOD	0.027	LOQ	mg/kg	NP	StoE, ProfJudg
DIBENZOFURAN	0.054	U	0.054	LOD	0.054	LOQ	mg/kg	NP	StoE, ProfJudg
DIETHYL PHTHALATE	0.22	U	0.22	LOD	0.27	LOQ	mg/kg	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	0.22	U	0.22	LOD	0.27	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	0.22	U	0.22	LOD	0.27	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	0.22	U	0.22	LOD	0.27	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORANTHENE	0.022	J	0.011	LOD	0.027	LOQ	mg/kg	NP	RI, StoE, ProfJudg
FLUORENE	0.011	U	0.011	LOD	0.027	LOQ	mg/kg	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.008	J	0.011	LOD	0.027	LOQ	mg/kg	NP	RI, StoE, ProfJudg
NAPHTHALENE	0.011	U	0.011	LOD	0.027	LOQ	mg/kg	NP	StoE, ProfJudg
PHENANTHRENE	0.011	J	0.011	LOD	0.027	LOQ	mg/kg	NP	RI, StoE, ProfJudg
PYRENE	0.020	J	0.011	LOD	0.027	LOQ	mg/kg	NP	RI, StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU03-S003-01-02 **Collected:** 6/15/2017 12:50:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.013	U	0.013	LOD	0.033	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.013	U	0.013	LOD	0.033	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.013	U	0.013	LOD	0.033	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.013	U	0.013	LOD	0.033	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.013	U	0.013	LOD	0.033	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.013	U	0.013	LOD	0.033	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.009	J	0.013	LOD	0.033	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.013	U	0.013	LOD	0.033	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.013	U	0.013	LOD	0.033	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.007	J	0.013	LOD	0.033	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.013	U	0.013	LOD	0.033	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.013	U	0.013	LOD	0.033	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.013	U	0.013	LOD	0.033	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.013	U	0.013	LOD	0.033	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.013	U	0.013	LOD	0.033	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.013	U	0.013	LOD	0.033	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.013	U	0.013	LOD	0.033	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.013	U	0.013	LOD	0.033	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU03-S003-01-02-X **Collected:** 6/15/2017 12:50:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.065	U	0.065	LOD	0.065	LOQ	mg/kg	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	0.065	U	0.065	LOD	0.065	LOQ	mg/kg	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	0.13	U	0.13	LOD	0.13	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: DU03-S003-01-02-X **Collected:** 6/15/2017 12:50:00 PM **Analysis Type:** Reanalysis-01-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.065	U	0.065	LOD	0.065	LOQ	mg/kg	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	0.065	U	0.065	LOD	0.065	LOQ	mg/kg	NP	StoE, ProfJudg
BENZOIC ACID	0.98	U	0.98	LOD	0.98	LOQ	mg/kg	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **SOIL**

Sample ID: **DU03-S003-01-02-X** ***Collected:*** **6/15/2017 12:50:00 PM** ***Analysis Type:*** **Reanalysis-01-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1,4-DICHLOROBENZENE	0.065	U	0.065	LOD	0.065	LOQ	mg/kg	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.013	U	0.013	LOD	0.033	LOQ	mg/kg	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	0.026	U	0.026	LOD	0.064	LOQ	mg/kg	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.013	U	0.013	LOD	0.033	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHENE	0.013	U	0.013	LOD	0.033	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.013	U	0.013	LOD	0.033	LOQ	mg/kg	NP	StoE, ProfJudg
ANTHRACENE	0.013	U	0.013	LOD	0.033	LOQ	mg/kg	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.013	U	0.013	LOD	0.033	LOQ	mg/kg	NP	StoE, ProfJudg
BENZALDEHYDE	0.26	U	0.26	LOD	0.33	LOQ	mg/kg	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.013	J	0.013	LOD	0.033	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZO(A)PYRENE	0.013	U	0.013	LOD	0.033	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.013	U	0.013	LOD	0.033	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.013	U	0.013	LOD	0.033	LOQ	mg/kg	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	0.26	U	0.26	LOD	0.33	LOQ	mg/kg	NP	StoE, ProfJudg
Butyl benzyl phthalate	0.26	U	0.26	LOD	0.33	LOQ	mg/kg	NP	StoE, ProfJudg
CAPROLACTAM	0.26	U	0.26	LOD	0.33	LOQ	mg/kg	NP	StoE, ProfJudg
CARBAZOLE	0.065	U	0.065	LOD	0.065	LOQ	mg/kg	NP	StoE, ProfJudg
CHRYSENE	0.013	U	0.013	LOD	0.033	LOQ	mg/kg	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.013	U	0.013	LOD	0.033	LOQ	mg/kg	NP	StoE, ProfJudg
DIBENZOFURAN	0.065	U	0.065	LOD	0.065	LOQ	mg/kg	NP	StoE, ProfJudg
DIETHYL PHTHALATE	0.26	U	0.26	LOD	0.33	LOQ	mg/kg	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	0.26	U	0.26	LOD	0.33	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	0.26	U	0.26	LOD	0.33	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	0.26	U	0.26	LOD	0.33	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORANTHENE	0.007	J	0.013	LOD	0.033	LOQ	mg/kg	NP	RI, StoE, ProfJudg
FLUORENE	0.013	U	0.013	LOD	0.033	LOQ	mg/kg	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.013	U	0.013	LOD	0.033	LOQ	mg/kg	NP	StoE, ProfJudg
NAPHTHALENE	0.013	U	0.013	LOD	0.033	LOQ	mg/kg	NP	StoE, ProfJudg
PHENANTHRENE	0.013	U	0.013	LOD	0.033	LOQ	mg/kg	NP	StoE, ProfJudg
PYRENE	0.008	J	0.013	LOD	0.033	LOQ	mg/kg	NP	RI, StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU03-S004-00-01 **Collected:** 6/15/2017 12:25:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.006	J	0.009	LOD	0.023	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.006	J	0.009	LOD	0.023	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.005	J	0.009	LOD	0.023	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.005	J	0.009	LOD	0.023	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: DU03-S004-00-01-X **Collected:** 6/15/2017 12:25:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.045	U	0.045	LOD	0.045	LOQ	mg/kg	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	0.045	U	0.045	LOD	0.045	LOQ	mg/kg	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	0.091	U	0.091	LOD	0.091	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: DU03-S004-00-01-X **Collected:** 6/15/2017 12:25:00 PM **Analysis Type:** Reanalysis-01-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.045	U	0.045	LOD	0.045	LOQ	mg/kg	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	0.045	U	0.045	LOD	0.045	LOQ	mg/kg	NP	StoE, ProfJudg
BENZOIC ACID	0.55	J	0.68	LOD	0.68	LOQ	mg/kg	NP	RI, StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **SOIL**

Sample ID: **DU03-S004-00-01-X** ***Collected:*** **6/15/2017 12:25:00 PM** ***Analysis Type:*** **Reanalysis-01-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1,4-DICHLOROBENZENE	0.045	U	0.045	LOD	0.045	LOQ	mg/kg	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	0.018	U	0.018	LOD	0.045	LOQ	mg/kg	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	StoE, ProfJudg
ANTHRACENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.005	J	0.009	LOD	0.023	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZALDEHYDE	0.18	U	0.18	LOD	0.23	LOQ	mg/kg	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.009	J	0.009	LOD	0.023	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	0.18	U	0.18	LOD	0.23	LOQ	mg/kg	NP	StoE, ProfJudg
Butyl benzyl phthalate	0.18	U	0.18	LOD	0.23	LOQ	mg/kg	NP	StoE, ProfJudg
CAPROLACTAM	0.18	U	0.18	LOD	0.23	LOQ	mg/kg	NP	StoE, ProfJudg
CARBAZOLE	0.045	U	0.045	LOD	0.045	LOQ	mg/kg	NP	StoE, ProfJudg
CHRYSENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	StoE, ProfJudg
DIBENZOFURAN	0.045	U	0.045	LOD	0.045	LOQ	mg/kg	NP	StoE, ProfJudg
DIETHYL PHTHALATE	0.18	U	0.18	LOD	0.23	LOQ	mg/kg	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	0.18	U	0.18	LOD	0.23	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	0.18	U	0.18	LOD	0.23	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	0.18	U	0.18	LOD	0.23	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORANTHENE	0.01	J	0.009	LOD	0.023	LOQ	mg/kg	NP	RI, StoE, ProfJudg
FLUORENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	StoE, ProfJudg
NAPHTHALENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	StoE, ProfJudg
PHENANTHRENE	0.007	J	0.009	LOD	0.023	LOQ	mg/kg	NP	RI, StoE, ProfJudg
PYRENE	0.009	J	0.009	LOD	0.023	LOQ	mg/kg	NP	RI, StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU03-S004-01-02 **Collected:** 6/15/2017 12:30:00 PM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.31	J	0.87	LOD	0.87	LOQ	mg/kg	J	RI

Sample ID: DU03-S004-01-02 **Collected:** 6/15/2017 12:30:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.012	U	0.012	LOD	0.029	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.012	U	0.012	LOD	0.029	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.012	U	0.012	LOD	0.029	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.012	U	0.012	LOD	0.029	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.012	U	0.012	LOD	0.029	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.012	U	0.012	LOD	0.029	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.012	U	0.012	LOD	0.029	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.012	U	0.012	LOD	0.029	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.012	U	0.012	LOD	0.029	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.012	U	0.012	LOD	0.029	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.012	U	0.012	LOD	0.029	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.012	U	0.012	LOD	0.029	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.012	U	0.012	LOD	0.029	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.012	U	0.012	LOD	0.029	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.012	U	0.012	LOD	0.029	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.009	J	0.012	LOD	0.029	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.012	U	0.012	LOD	0.029	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.012	U	0.012	LOD	0.029	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU03-S004-01-02-X **Collected:** 6/15/2017 12:30:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.057	U	0.057	LOD	0.057	LOQ	mg/kg	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	0.057	U	0.057	LOD	0.057	LOQ	mg/kg	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	0.11	U	0.11	LOD	0.11	LOQ	mg/kg	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **SOIL**

Sample ID: **DU03-S004-01-02-X** ***Collected:*** **6/15/2017 12:30:00 PM** ***Analysis Type:*** **Reanalysis-01-ACID** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
3/4-Methylphenol [m/p-Cresol]	0.057	U	0.057	LOD	0.057	LOQ	mg/kg	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	0.057	U	0.057	LOD	0.057	LOQ	mg/kg	NP	StoE, ProfJudg
BENZOIC ACID	0.71	J	0.86	LOD	0.86	LOQ	mg/kg	NP	RI, StoE, ProfJudg

Sample ID: **DU03-S004-01-02-X** ***Collected:*** **6/15/2017 12:30:00 PM** ***Analysis Type:*** **Reanalysis-01-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1,4-DICHLOROBENZENE	0.057	U	0.057	LOD	0.057	LOQ	mg/kg	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.011	U	0.011	LOD	0.029	LOQ	mg/kg	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	0.023	U	0.023	LOD	0.057	LOQ	mg/kg	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.011	U	0.011	LOD	0.029	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHENE	0.011	U	0.011	LOD	0.029	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.011	U	0.011	LOD	0.029	LOQ	mg/kg	NP	StoE, ProfJudg
ANTHRACENE	0.011	U	0.011	LOD	0.029	LOQ	mg/kg	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.011	U	0.011	LOD	0.029	LOQ	mg/kg	NP	StoE, ProfJudg
BENZALDEHYDE	0.23	U	0.23	LOD	0.29	LOQ	mg/kg	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.011	U	0.011	LOD	0.029	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.007	J	0.011	LOD	0.029	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.006	J	0.011	LOD	0.029	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.011	U	0.011	LOD	0.029	LOQ	mg/kg	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	0.23	U	0.23	LOD	0.29	LOQ	mg/kg	NP	StoE, ProfJudg
Butyl benzyl phthalate	0.23	U	0.23	LOD	0.29	LOQ	mg/kg	NP	StoE, ProfJudg
CAPROLACTAM	0.23	U	0.23	LOD	0.29	LOQ	mg/kg	NP	StoE, ProfJudg
CARBAZOLE	0.057	U	0.057	LOD	0.057	LOQ	mg/kg	NP	StoE, ProfJudg
CHRYSENE	0.011	U	0.011	LOD	0.029	LOQ	mg/kg	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.011	U	0.011	LOD	0.029	LOQ	mg/kg	NP	StoE, ProfJudg
DIBENZOFURAN	0.057	U	0.057	LOD	0.057	LOQ	mg/kg	NP	StoE, ProfJudg
DIETHYL PHTHALATE	0.23	U	0.23	LOD	0.29	LOQ	mg/kg	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	0.23	U	0.23	LOD	0.29	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	0.23	U	0.23	LOD	0.29	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	0.23	U	0.23	LOD	0.29	LOQ	mg/kg	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU03-S004-01-02-X **Collected:** 6/15/2017 12:30:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORANTHENE	0.006	J	0.011	LOD	0.029	LOQ	mg/kg	NP	RI, StoE, ProfJudg
FLUORENE	0.011	U	0.011	LOD	0.029	LOQ	mg/kg	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.011	U	0.011	LOD	0.029	LOQ	mg/kg	NP	StoE, ProfJudg
NAPHTHALENE	0.011	U	0.011	LOD	0.029	LOQ	mg/kg	NP	StoE, ProfJudg
PHENANTHRENE	0.011	U	0.011	LOD	0.029	LOQ	mg/kg	NP	StoE, ProfJudg
PYRENE	0.009	J	0.011	LOD	0.029	LOQ	mg/kg	NP	RI, StoE, ProfJudg

Sample ID: DU03-S005-00-01 **Collected:** 6/15/2017 1:55:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.012	J	0.01	LOD	0.025	LOQ	mg/kg	NP	RI, ProfJudg
Benzo (g,h,i) perylene	0.011	J	0.01	LOD	0.025	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.010	J	0.01	LOD	0.025	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.017	J	0.01	LOD	0.025	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.006	J	0.01	LOD	0.025	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.011	J	0.01	LOD	0.025	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.022	J	0.01	LOD	0.025	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.009	J	0.01	LOD	0.025	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.013	J	0.01	LOD	0.025	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.022	J	0.01	LOD	0.025	LOQ	mg/kg	NP	RI, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU03-S005-00-01-X **Collected:** 6/15/2017 1:55:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.097	U	0.097	LOD	0.097	LOQ	mg/kg	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	0.097	U	0.097	LOD	0.097	LOQ	mg/kg	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	0.19	U	0.19	LOD	0.19	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: DU03-S005-00-01-X **Collected:** 6/15/2017 1:55:00 PM **Analysis Type:** Reanalysis-01-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.10		0.097	LOD	0.097	LOQ	mg/kg	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	0.097	U	0.097	LOD	0.097	LOQ	mg/kg	NP	StoE, ProfJudg
BENZOIC ACID	1.2	J	1.5	LOD	1.5	LOQ	mg/kg	NP	RI, StoE, ProfJudg

Sample ID: DU03-S005-00-01-X **Collected:** 6/15/2017 1:55:00 PM **Analysis Type:** Reanalysis-01-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	0.097	U	0.097	LOD	0.097	LOQ	mg/kg	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.019	U	0.019	LOD	0.049	LOQ	mg/kg	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	0.039	U	0.039	LOD	0.096	LOQ	mg/kg	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.019	U	0.019	LOD	0.049	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHENE	0.019	U	0.019	LOD	0.049	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.019	U	0.019	LOD	0.049	LOQ	mg/kg	NP	StoE, ProfJudg
ANTHRACENE	0.019	U	0.019	LOD	0.049	LOQ	mg/kg	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.023	J	0.019	LOD	0.049	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZALDEHYDE	0.39	U	0.39	LOD	0.49	LOQ	mg/kg	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.018	J	0.019	LOD	0.049	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZO(A)PYRENE	0.026	J	0.019	LOD	0.049	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.026	J	0.019	LOD	0.049	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.020	J	0.019	LOD	0.049	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	0.39	U	0.39	LOD	0.49	LOQ	mg/kg	NP	StoE, ProfJudg
Butyl benzyl phthalate	0.39	U	0.39	LOD	0.49	LOQ	mg/kg	NP	StoE, ProfJudg
CAPROLACTAM	0.39	U	0.39	LOD	0.49	LOQ	mg/kg	NP	StoE, ProfJudg
CARBAZOLE	0.097	U	0.097	LOD	0.097	LOQ	mg/kg	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU03-S005-00-01-X **Collected:** 6/15/2017 1:55:00 PM **Analysis Type:** Reanalysis-01-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.026	J	0.019	LOD	0.049	LOQ	mg/kg	NP	RI, StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.019	U	0.019	LOD	0.049	LOQ	mg/kg	NP	StoE, ProfJudg
DIBENZOFURAN	0.097	U	0.097	LOD	0.097	LOQ	mg/kg	NP	StoE, ProfJudg
DIETHYL PHTHALATE	0.39	U	0.39	LOD	0.49	LOQ	mg/kg	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	0.39	U	0.39	LOD	0.49	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	0.39	U	0.39	LOD	0.49	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	0.39	U	0.39	LOD	0.49	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORANTHENE	0.040	J	0.019	LOD	0.049	LOQ	mg/kg	NP	RI, StoE, ProfJudg
FLUORENE	0.019	U	0.019	LOD	0.049	LOQ	mg/kg	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.019	U	0.019	LOD	0.049	LOQ	mg/kg	NP	StoE, ProfJudg
NAPHTHALENE	0.019	U	0.019	LOD	0.049	LOQ	mg/kg	NP	StoE, ProfJudg
PHENANTHRENE	0.028	J	0.019	LOD	0.049	LOQ	mg/kg	NP	RI, StoE, ProfJudg
PYRENE	0.039	J	0.019	LOD	0.049	LOQ	mg/kg	NP	RI, StoE, ProfJudg

Sample ID: DU03-S005-01-02 **Collected:** 6/15/2017 2:00:00 PM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.043	J	0.049	LOD	0.049	LOQ	mg/kg	J	RI
BENZOIC ACID	0.38	J	0.73	LOD	0.73	LOQ	mg/kg	J	RI

Sample ID: DU03-S005-01-02 **Collected:** 6/15/2017 2:00:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU03-S005-01-02 **Collected:** 6/15/2017 2:00:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(B)FLUORANTHENE	0.009	J	0.01	LOD	0.025	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.013	J	0.01	LOD	0.025	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.012	J	0.01	LOD	0.025	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.007	J	0.01	LOD	0.025	LOQ	mg/kg	NP	RI, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.006	J	0.01	LOD	0.025	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.007	J	0.01	LOD	0.025	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: DU03-S005-01-02-X **Collected:** 6/15/2017 2:00:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.096	U	0.096	LOD	0.096	LOQ	mg/kg	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	0.096	U	0.096	LOD	0.096	LOQ	mg/kg	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	0.19	U	0.19	LOD	0.19	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: DU03-S005-01-02-X **Collected:** 6/15/2017 2:00:00 PM **Analysis Type:** Reanalysis-01-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.049	J	0.096	LOD	0.096	LOQ	mg/kg	NP	RI, StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	0.096	U	0.096	LOD	0.096	LOQ	mg/kg	NP	StoE, ProfJudg
BENZOIC ACID	1.3	J	1.4	LOD	1.4	LOQ	mg/kg	NP	RI, StoE, ProfJudg

Sample ID: DU03-S005-01-02-X **Collected:** 6/15/2017 2:00:00 PM **Analysis Type:** Reanalysis-01-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	0.096	U	0.096	LOD	0.096	LOQ	mg/kg	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.019	U	0.019	LOD	0.049	LOQ	mg/kg	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	0.038	U	0.038	LOD	0.095	LOQ	mg/kg	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.019	U	0.019	LOD	0.049	LOQ	mg/kg	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU03-S005-01-02-X **Collected:** 6/15/2017 2:00:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.019	U	0.019	LOD	0.049	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.019	U	0.019	LOD	0.049	LOQ	mg/kg	NP	StoE, ProfJudg
ANTHRACENE	0.019	U	0.019	LOD	0.049	LOQ	mg/kg	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.019	U	0.019	LOD	0.049	LOQ	mg/kg	NP	StoE, ProfJudg
BENZALDEHYDE	0.38	U	0.38	LOD	0.48	LOQ	mg/kg	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.019	U	0.019	LOD	0.049	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.019	U	0.019	LOD	0.049	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.010	J	0.019	LOD	0.049	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.019	U	0.019	LOD	0.049	LOQ	mg/kg	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	0.38	U	0.38	LOD	0.49	LOQ	mg/kg	NP	StoE, ProfJudg
Butyl benzyl phthalate	0.38	U	0.38	LOD	0.48	LOQ	mg/kg	NP	StoE, ProfJudg
CAPROLACTAM	0.38	U	0.38	LOD	0.48	LOQ	mg/kg	NP	StoE, ProfJudg
CARBAZOLE	0.096	U	0.096	LOD	0.096	LOQ	mg/kg	NP	StoE, ProfJudg
CHRYSENE	0.013	J	0.019	LOD	0.049	LOQ	mg/kg	NP	RI, StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.019	U	0.019	LOD	0.049	LOQ	mg/kg	NP	StoE, ProfJudg
DIBENZOFURAN	0.096	U	0.096	LOD	0.096	LOQ	mg/kg	NP	StoE, ProfJudg
DIETHYL PHTHALATE	0.38	U	0.38	LOD	0.48	LOQ	mg/kg	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	0.38	U	0.38	LOD	0.48	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	0.38	U	0.38	LOD	0.48	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	0.38	U	0.38	LOD	0.48	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORANTHENE	0.012	J	0.019	LOD	0.049	LOQ	mg/kg	NP	RI, StoE, ProfJudg
FLUORENE	0.019	U	0.019	LOD	0.049	LOQ	mg/kg	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.019	U	0.019	LOD	0.049	LOQ	mg/kg	NP	StoE, ProfJudg
NAPHTHALENE	0.019	U	0.019	LOD	0.049	LOQ	mg/kg	NP	StoE, ProfJudg
PHENANTHRENE	0.019	U	0.019	LOD	0.049	LOQ	mg/kg	NP	StoE, ProfJudg
PYRENE	0.019	U	0.019	LOD	0.049	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: DU03-S006-00-01 **Collected:** 6/15/2017 3:00:00 PM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.67	J	0.89	LOD	0.89	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU03-S006-00-01 **Collected:** 6/15/2017 3:00:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.012	U	0.012	LOD	0.030	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.012	U	0.012	LOD	0.030	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.012	U	0.012	LOD	0.030	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.012	U	0.012	LOD	0.030	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.012	U	0.012	LOD	0.030	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.006	J	0.012	LOD	0.030	LOQ	mg/kg	NP	RI, ProfJudg
Benzo (g,h,i) perylene	0.012	U	0.012	LOD	0.030	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.012	U	0.012	LOD	0.030	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.012	J	0.012	LOD	0.030	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.009	J	0.012	LOD	0.030	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.014	J	0.012	LOD	0.030	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.012	U	0.012	LOD	0.030	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.018	J	0.012	LOD	0.030	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.013	J	0.012	LOD	0.030	LOQ	mg/kg	NP	RI, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.012	U	0.012	LOD	0.030	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.007	J	0.012	LOD	0.030	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.012	J	0.012	LOD	0.030	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.014	J	0.012	LOD	0.030	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: DU03-S006-00-01-X **Collected:** 6/15/2017 3:00:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.12	U	0.12	LOD	0.12	LOQ	mg/kg	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	0.12	U	0.12	LOD	0.12	LOQ	mg/kg	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	0.24	U	0.24	LOD	0.24	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: DU03-S006-00-01-X **Collected:** 6/15/2017 3:00:00 PM **Analysis Type:** Reanalysis-01-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.12	U	0.12	LOD	0.12	LOQ	mg/kg	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	0.12	U	0.12	LOD	0.12	LOQ	mg/kg	NP	StoE, ProfJudg
BENZOIC ACID	1.6	J	1.8	LOD	1.8	LOQ	mg/kg	NP	RI, StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **SOIL**

Sample ID: **DU03-S006-00-01-X** ***Collected:*** **6/15/2017 3:00:00 PM** ***Analysis Type:*** **Reanalysis-01-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1,4-DICHLOROBENZENE	0.12	U	0.12	LOD	0.12	LOQ	mg/kg	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.024	U	0.024	LOD	0.060	LOQ	mg/kg	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	0.047	U	0.047	LOD	0.12	LOQ	mg/kg	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.024	U	0.024	LOD	0.060	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHENE	0.024	U	0.024	LOD	0.060	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.024	U	0.024	LOD	0.060	LOQ	mg/kg	NP	StoE, ProfJudg
ANTHRACENE	0.024	U	0.024	LOD	0.060	LOQ	mg/kg	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.016	J	0.024	LOD	0.060	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZALDEHYDE	0.47	U	0.47	LOD	0.59	LOQ	mg/kg	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.017	J	0.024	LOD	0.060	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZO(A)PYRENE	0.021	J	0.024	LOD	0.060	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.029	J	0.024	LOD	0.060	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.013	J	0.024	LOD	0.060	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	0.47	U	0.47	LOD	0.60	LOQ	mg/kg	NP	StoE, ProfJudg
Butyl benzyl phthalate	0.47	U	0.47	LOD	0.59	LOQ	mg/kg	NP	StoE, ProfJudg
CAPROLACTAM	0.47	U	0.47	LOD	0.59	LOQ	mg/kg	NP	StoE, ProfJudg
CARBAZOLE	0.12	U	0.12	LOD	0.12	LOQ	mg/kg	NP	StoE, ProfJudg
CHRYSENE	0.021	J	0.024	LOD	0.060	LOQ	mg/kg	NP	RI, StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.024	U	0.024	LOD	0.060	LOQ	mg/kg	NP	StoE, ProfJudg
DIBENZOFURAN	0.12	U	0.12	LOD	0.12	LOQ	mg/kg	NP	StoE, ProfJudg
DIETHYL PHTHALATE	0.47	U	0.47	LOD	0.59	LOQ	mg/kg	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	0.47	U	0.47	LOD	0.59	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	0.47	U	0.47	LOD	0.59	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	0.47	U	0.47	LOD	0.59	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORANTHENE	0.028	J	0.024	LOD	0.060	LOQ	mg/kg	NP	RI, StoE, ProfJudg
FLUORENE	0.024	U	0.024	LOD	0.060	LOQ	mg/kg	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.019	J	0.024	LOD	0.060	LOQ	mg/kg	NP	RI, StoE, ProfJudg
NAPHTHALENE	0.043	J	0.024	LOD	0.060	LOQ	mg/kg	NP	RI, StoE, ProfJudg
PHENANTHRENE	0.022	J	0.024	LOD	0.060	LOQ	mg/kg	NP	RI, StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU03-S006-00-01-X **Collected:** 6/15/2017 3:00:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
PYRENE	0.029	J	0.024	LOD	0.060	LOQ	mg/kg	NP	RI, StoE, ProfJudg

Sample ID: DU03-S006-01-02 **Collected:** 6/15/2017 3:05:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.005	J	0.009	LOD	0.023	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.008	J	0.009	LOD	0.023	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.006	J	0.009	LOD	0.023	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.008	J	0.009	LOD	0.023	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: DU03-S006-01-02-X **Collected:** 6/15/2017 3:05:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.090	U	0.090	LOD	0.090	LOQ	mg/kg	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	0.090	U	0.090	LOD	0.090	LOQ	mg/kg	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	0.18	U	0.18	LOD	0.18	LOQ	mg/kg	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **SOIL**

Sample ID: **DU03-S006-01-02-X** ***Collected:*** **6/15/2017 3:05:00 PM** ***Analysis Type:*** **Reanalysis-01-ACID** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
3/4-Methylphenol [m/p-Cresol]	0.090	U	0.090	LOD	0.090	LOQ	mg/kg	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	0.090	U	0.090	LOD	0.090	LOQ	mg/kg	NP	StoE, ProfJudg
BENZOIC ACID	1.0	J	1.4	LOD	1.4	LOQ	mg/kg	NP	RI, StoE, ProfJudg

Sample ID: **DU03-S006-01-02-X** ***Collected:*** **6/15/2017 3:05:00 PM** ***Analysis Type:*** **Reanalysis-01-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1,4-DICHLOROBENZENE	0.090	U	0.090	LOD	0.090	LOQ	mg/kg	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.018	U	0.018	LOD	0.046	LOQ	mg/kg	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	0.036	U	0.036	LOD	0.089	LOQ	mg/kg	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.018	U	0.018	LOD	0.046	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHENE	0.018	U	0.018	LOD	0.046	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.018	U	0.018	LOD	0.046	LOQ	mg/kg	NP	StoE, ProfJudg
ANTHRACENE	0.018	U	0.018	LOD	0.046	LOQ	mg/kg	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.018	U	0.018	LOD	0.046	LOQ	mg/kg	NP	StoE, ProfJudg
BENZALDEHYDE	0.36	U	0.36	LOD	0.45	LOQ	mg/kg	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.01	J	0.018	LOD	0.046	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZO(A)PYRENE	0.018	U	0.018	LOD	0.046	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.018	U	0.018	LOD	0.046	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.018	U	0.018	LOD	0.046	LOQ	mg/kg	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	0.19	J	0.36	LOD	0.46	LOQ	mg/kg	NP	RI, StoE, ProfJudg
Butyl benzyl phthalate	0.36	U	0.36	LOD	0.45	LOQ	mg/kg	NP	StoE, ProfJudg
CAPROLACTAM	0.36	U	0.36	LOD	0.45	LOQ	mg/kg	NP	StoE, ProfJudg
CARBAZOLE	0.090	U	0.090	LOD	0.090	LOQ	mg/kg	NP	StoE, ProfJudg
CHRYSENE	0.011	J	0.018	LOD	0.046	LOQ	mg/kg	NP	RI, StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.01	J	0.018	LOD	0.046	LOQ	mg/kg	NP	RI, StoE, ProfJudg
DIBENZOFURAN	0.090	U	0.090	LOD	0.090	LOQ	mg/kg	NP	StoE, ProfJudg
DIETHYL PHTHALATE	0.36	U	0.36	LOD	0.45	LOQ	mg/kg	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	0.36	U	0.36	LOD	0.45	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	0.36	U	0.36	LOD	0.45	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	0.36	U	0.36	LOD	0.45	LOQ	mg/kg	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU03-S006-01-02-X **Collected:** 6/15/2017 3:05:00 PM **Analysis Type:** Reanalysis-01-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORANTHENE	0.018	U	0.018	LOD	0.046	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORENE	0.018	U	0.018	LOD	0.046	LOQ	mg/kg	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.011	J	0.018	LOD	0.046	LOQ	mg/kg	NP	RI, StoE, ProfJudg
NAPHTHALENE	0.018	U	0.018	LOD	0.046	LOQ	mg/kg	NP	StoE, ProfJudg
PHENANTHRENE	0.018	U	0.018	LOD	0.046	LOQ	mg/kg	NP	StoE, ProfJudg
PYRENE	0.018	U	0.018	LOD	0.046	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: DU03-S007-00-01 **Collected:** 6/16/2017 8:05:00 AM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.50	J	1.3	LOD	1.3	LOQ	mg/kg	J	RI

Sample ID: DU03-S007-00-01 **Collected:** 6/16/2017 8:05:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.017	U	0.017	LOD	0.044	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.017	U	0.017	LOD	0.044	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.017	U	0.017	LOD	0.044	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.017	U	0.017	LOD	0.044	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.017	U	0.017	LOD	0.044	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.017	U	0.017	LOD	0.044	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.017	U	0.017	LOD	0.044	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.017	U	0.017	LOD	0.044	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.017	U	0.017	LOD	0.044	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.017	U	0.017	LOD	0.044	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.017	U	0.017	LOD	0.044	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.017	U	0.017	LOD	0.044	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.014	J	0.017	LOD	0.044	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.017	U	0.017	LOD	0.044	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.017	U	0.017	LOD	0.044	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.023	J	0.017	LOD	0.044	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.017	U	0.017	LOD	0.044	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix: SOIL**

Sample ID: DU03-S007-00-01 **Collected:** 6/16/2017 8:05:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
PYRENE	0.01	J	0.017	LOD	0.044	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: DU03-S007-01-02 **Collected:** 6/16/2017 8:10:00 AM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.060	J	0.066	LOD	0.066	LOQ	mg/kg	J	RI
BENZOIC ACID	0.58	J	0.99	LOD	0.99	LOQ	mg/kg	J	RI

Sample ID: DU03-S007-01-02 **Collected:** 6/16/2017 8:10:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.013	U	0.013	LOD	0.034	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.013	U	0.013	LOD	0.034	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.013	U	0.013	LOD	0.034	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.013	U	0.013	LOD	0.034	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.013	U	0.013	LOD	0.034	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.013	U	0.013	LOD	0.034	LOQ	mg/kg	NP	ProfJudg
BENZALDEHYDE	0.30	J	0.26	LOD	0.33	LOQ	mg/kg	J	RI
Benzo (g,h,i) perylene	0.013	U	0.013	LOD	0.034	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.016	J	0.013	LOD	0.034	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.018	J	0.013	LOD	0.034	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.008	J	0.013	LOD	0.034	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.010	J	0.013	LOD	0.034	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.013	U	0.013	LOD	0.034	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.020	J	0.013	LOD	0.034	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.020	J	0.013	LOD	0.034	LOQ	mg/kg	NP	RI, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.013	U	0.013	LOD	0.034	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.013	U	0.013	LOD	0.034	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.014	J	0.013	LOD	0.034	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.021	J	0.013	LOD	0.034	LOQ	mg/kg	NP	RI, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU03-S008-00-01 **Collected:** 6/16/2017 8:25:00 AM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.34	J	0.58	LOD	0.58	LOQ	mg/kg	J	RI

Sample ID: DU03-S008-00-01 **Collected:** 6/16/2017 8:25:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZALDEHYDE	0.14	J	0.15	LOD	0.19	LOQ	mg/kg	J	RI
Benzo (g,h,i) perylene	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.008	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.005	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.010	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.010	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.016	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.007	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.008	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: DU03-S008-01-02 **Collected:** 6/16/2017 8:30:00 AM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.047	J	0.076	LOD	0.076	LOQ	mg/kg	J	RI
BENZOIC ACID	0.77	J	1.1	LOD	1.1	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU03-S008-01-02 **Collected:** 6/16/2017 8:30:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.015	U	0.015	LOD	0.039	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.015	U	0.015	LOD	0.039	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.015	U	0.015	LOD	0.039	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.015	U	0.015	LOD	0.039	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.015	U	0.015	LOD	0.039	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.014	J	0.015	LOD	0.039	LOQ	mg/kg	NP	RI, ProfJudg
BENZALDEHYDE	0.30	J	0.30	LOD	0.38	LOQ	mg/kg	J	RI
Benzo (g,h,i) perylene	0.015	U	0.015	LOD	0.039	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.012	J	0.015	LOD	0.039	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.019	J	0.015	LOD	0.039	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.011	J	0.015	LOD	0.039	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.016	J	0.015	LOD	0.039	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.015	U	0.015	LOD	0.039	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.025	J	0.015	LOD	0.039	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.032	J	0.015	LOD	0.039	LOQ	mg/kg	NP	RI, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.01	J	0.015	LOD	0.039	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.057		0.015	LOD	0.039	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.015	U	0.015	LOD	0.039	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.022	J	0.015	LOD	0.039	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: DU03-S009-00-01 **Collected:** 6/15/2017 2:10:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.006	J	0.009	LOD	0.022	LOQ	mg/kg	NP	RI, ProfJudg
Benzo (g,h,i) perylene	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.007	J	0.009	LOD	0.022	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.010	J	0.009	LOD	0.022	LOQ	mg/kg	NP	RI, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix: SOIL**

Sample ID: DU03-S009-00-01 **Collected:** 6/15/2017 2:10:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(K)FLUORANTHENE	0.005	J	0.009	LOD	0.022	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.008	J	0.009	LOD	0.022	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.015	J	0.009	LOD	0.022	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.008	J	0.009	LOD	0.022	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.015	J	0.009	LOD	0.022	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: DU03-S009-00-01-X **Collected:** 6/15/2017 2:10:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.043	U	0.043	LOD	0.043	LOQ	mg/kg	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	0.043	U	0.043	LOD	0.043	LOQ	mg/kg	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	0.087	U	0.087	LOD	0.087	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: DU03-S009-00-01-X **Collected:** 6/15/2017 2:10:00 PM **Analysis Type:** Reanalysis-01-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.034	J	0.043	LOD	0.043	LOQ	mg/kg	NP	RI, StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	0.043	U	0.043	LOD	0.043	LOQ	mg/kg	NP	StoE, ProfJudg
BENZOIC ACID	0.55	J	0.65	LOD	0.65	LOQ	mg/kg	NP	RI, StoE, ProfJudg

Sample ID: DU03-S009-00-01-X **Collected:** 6/15/2017 2:10:00 PM **Analysis Type:** Reanalysis-01-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	0.043	U	0.043	LOD	0.043	LOQ	mg/kg	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	0.017	U	0.017	LOD	0.043	LOQ	mg/kg	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU03-S009-00-01-X **Collected:** 6/15/2017 2:10:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	StoE, ProfJudg
ANTHRACENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.007	J	0.009	LOD	0.022	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZALDEHYDE	0.17	U	0.17	LOD	0.22	LOQ	mg/kg	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.007	J	0.009	LOD	0.022	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.012	J	0.009	LOD	0.022	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.006	J	0.009	LOD	0.022	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	0.17	U	0.17	LOD	0.22	LOQ	mg/kg	NP	StoE, ProfJudg
Butyl benzyl phthalate	0.17	U	0.17	LOD	0.22	LOQ	mg/kg	NP	StoE, ProfJudg
CAPROLACTAM	0.17	U	0.17	LOD	0.22	LOQ	mg/kg	NP	StoE, ProfJudg
CARBAZOLE	0.043	U	0.043	LOD	0.043	LOQ	mg/kg	NP	StoE, ProfJudg
CHRYSENE	0.008	J	0.009	LOD	0.022	LOQ	mg/kg	NP	RI, StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	StoE, ProfJudg
DIBENZOFURAN	0.043	U	0.043	LOD	0.043	LOQ	mg/kg	NP	StoE, ProfJudg
DIETHYL PHTHALATE	0.17	U	0.17	LOD	0.22	LOQ	mg/kg	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	0.17	U	0.17	LOD	0.22	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	0.17	U	0.17	LOD	0.22	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	0.17	U	0.17	LOD	0.22	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORANTHENE	0.013	J	0.009	LOD	0.022	LOQ	mg/kg	NP	RI, StoE, ProfJudg
FLUORENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.006	J	0.009	LOD	0.022	LOQ	mg/kg	NP	RI, StoE, ProfJudg
NAPHTHALENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	StoE, ProfJudg
PHENANTHRENE	0.007	J	0.009	LOD	0.022	LOQ	mg/kg	NP	RI, StoE, ProfJudg
PYRENE	0.012	J	0.009	LOD	0.022	LOQ	mg/kg	NP	RI, StoE, ProfJudg

Sample ID: DU03-S009-01-02 **Collected:** 6/15/2017 2:15:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU03-S009-01-02 **Collected:** 6/15/2017 2:15:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU03-S009-01-02-X **Collected:** 6/15/2017 2:15:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.085	U	0.085	LOD	0.085	LOQ	mg/kg	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	0.085	U	0.085	LOD	0.085	LOQ	mg/kg	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	0.17	U	0.17	LOD	0.17	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: DU03-S009-01-02-X **Collected:** 6/15/2017 2:15:00 PM **Analysis Type:** Reanalysis-01-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.085	U	0.085	LOD	0.085	LOQ	mg/kg	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	0.085	U	0.085	LOD	0.085	LOQ	mg/kg	NP	StoE, ProfJudg
BENZOIC ACID	0.94	J	1.3	LOD	1.3	LOQ	mg/kg	NP	RI, StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **SOIL**

Sample ID: **DU03-S009-01-02-X** ***Collected:*** **6/15/2017 2:15:00 PM** ***Analysis Type:*** **Reanalysis-01-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1,4-DICHLOROBENZENE	0.085	U	0.085	LOD	0.085	LOQ	mg/kg	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.017	U	0.017	LOD	0.044	LOQ	mg/kg	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	0.034	U	0.034	LOD	0.084	LOQ	mg/kg	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.017	U	0.017	LOD	0.044	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHENE	0.017	U	0.017	LOD	0.044	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.017	U	0.017	LOD	0.044	LOQ	mg/kg	NP	StoE, ProfJudg
ANTHRACENE	0.017	U	0.017	LOD	0.044	LOQ	mg/kg	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.017	U	0.017	LOD	0.044	LOQ	mg/kg	NP	StoE, ProfJudg
BENZALDEHYDE	0.34	U	0.34	LOD	0.43	LOQ	mg/kg	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.017	U	0.017	LOD	0.044	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.017	U	0.017	LOD	0.044	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.017	U	0.017	LOD	0.044	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.017	U	0.017	LOD	0.044	LOQ	mg/kg	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	0.34	U	0.34	LOD	0.44	LOQ	mg/kg	NP	StoE, ProfJudg
Butyl benzyl phthalate	0.34	U	0.34	LOD	0.43	LOQ	mg/kg	NP	StoE, ProfJudg
CAPROLACTAM	0.34	U	0.34	LOD	0.43	LOQ	mg/kg	NP	StoE, ProfJudg
CARBAZOLE	0.085	U	0.085	LOD	0.085	LOQ	mg/kg	NP	StoE, ProfJudg
CHRYSENE	0.017	U	0.017	LOD	0.044	LOQ	mg/kg	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.017	U	0.017	LOD	0.044	LOQ	mg/kg	NP	StoE, ProfJudg
DIBENZOFURAN	0.085	U	0.085	LOD	0.085	LOQ	mg/kg	NP	StoE, ProfJudg
DIETHYL PHTHALATE	0.34	U	0.34	LOD	0.43	LOQ	mg/kg	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	0.34	U	0.34	LOD	0.43	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	0.34	U	0.34	LOD	0.43	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	0.34	U	0.34	LOD	0.43	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORANTHENE	0.017	U	0.017	LOD	0.044	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORENE	0.017	U	0.017	LOD	0.044	LOQ	mg/kg	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.017	U	0.017	LOD	0.044	LOQ	mg/kg	NP	StoE, ProfJudg
NAPHTHALENE	0.017	U	0.017	LOD	0.044	LOQ	mg/kg	NP	StoE, ProfJudg
PHENANTHRENE	0.017	U	0.017	LOD	0.044	LOQ	mg/kg	NP	StoE, ProfJudg
PYRENE	0.017	U	0.017	LOD	0.044	LOQ	mg/kg	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU03-S010-00-01 **Collected:** 6/15/2017 3:25:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.007	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.008	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.009	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.012	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.006	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.010	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: DU03-S010-01-02 **Collected:** 6/15/2017 3:30:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU03-S010-01-02 **Collected:** 6/15/2017 3:30:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU03-S011-00-01 **Collected:** 6/16/2017 7:55:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.014	U	0.014	LOD	0.035	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.014	U	0.014	LOD	0.035	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.014	U	0.014	LOD	0.035	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.014	U	0.014	LOD	0.035	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.014	U	0.014	LOD	0.035	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.014	U	0.014	LOD	0.035	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.014	U	0.014	LOD	0.035	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.014	U	0.014	LOD	0.035	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.008	J	0.014	LOD	0.035	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.014	U	0.014	LOD	0.035	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.014	U	0.014	LOD	0.035	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.014	U	0.014	LOD	0.035	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.01	J	0.014	LOD	0.035	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.014	U	0.014	LOD	0.035	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.014	U	0.014	LOD	0.035	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.012	J	0.014	LOD	0.035	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.014	U	0.014	LOD	0.035	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.014	U	0.014	LOD	0.035	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU03-S011-01-02 **Collected:** 6/16/2017 8:00:00 AM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.041	J	0.060	LOD	0.060	LOQ	mg/kg	J	RI

Sample ID: DU03-S011-01-02 **Collected:** 6/16/2017 8:00:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.012	U	0.012	LOD	0.031	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.012	U	0.012	LOD	0.031	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.012	U	0.012	LOD	0.031	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.012	U	0.012	LOD	0.031	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.012	U	0.012	LOD	0.031	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.012	U	0.012	LOD	0.031	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.012	U	0.012	LOD	0.031	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.012	U	0.012	LOD	0.031	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.007	J	0.012	LOD	0.031	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.012	U	0.012	LOD	0.031	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.012	U	0.012	LOD	0.031	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.012	U	0.012	LOD	0.031	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.012	U	0.012	LOD	0.031	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.012	U	0.012	LOD	0.031	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.012	U	0.012	LOD	0.031	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.012	U	0.012	LOD	0.031	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.012	U	0.012	LOD	0.031	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.012	U	0.012	LOD	0.031	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU03-S012-00-01 **Collected:** 6/16/2017 8:15:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.011	U	0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.011	U	0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.011	U	0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.011	U	0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.011	U	0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU03-S012-00-01 **Collected:** 6/16/2017 8:15:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.011	U	0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.011	U	0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.011	U	0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.011	U	0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.011	U	0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.011	U	0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.011	U	0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.011	U	0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.011	U	0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.011	U	0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.011	J	0.011	LOD	0.028	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.011	U	0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.011	U	0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU03-S012-01-02 **Collected:** 6/16/2017 8:20:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.008	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.015	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, ProfJudg
Benzo (g,h,i) perylene	0.015	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.015	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.024		0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.011	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.020	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.009	U	0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.036		0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.008	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.013	J	0.009	LOD	0.024	LOQ	mg/kg	NP	RI, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU03-S012-01-02 **Collected:** 6/16/2017 8:20:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NAPHTHALENE	0.008	J	0.009	LOD	0.024	LOQ	mg/kg	NP	Rl, ProfJudg
PHENANTHRENE	0.026		0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.033		0.009	LOD	0.024	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU03-S013-00-01 **Collected:** 6/15/2017 2:40:00 PM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.72	J	0.75	LOD	0.75	LOQ	mg/kg	J	Rl

Sample ID: DU03-S013-00-01 **Collected:** 6/15/2017 2:40:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.006	J	0.01	LOD	0.025	LOQ	mg/kg	NP	Rl, ProfJudg
ACENAPHTHENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.014	J	0.01	LOD	0.025	LOQ	mg/kg	NP	Rl, ProfJudg
ANTHRACENE	0.017	J	0.01	LOD	0.025	LOQ	mg/kg	NP	Rl, ProfJudg
BENZ(A)ANTHRACENE	0.051		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
BENZALDEHYDE	0.20	J	0.20	LOD	0.25	LOQ	mg/kg	J	Rl
Benzo (g,h,i) perylene	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.057		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.093		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.038		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.074		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.11		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.044		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.009	J	0.01	LOD	0.025	LOQ	mg/kg	NP	Rl, ProfJudg
PHENANTHRENE	0.055		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.10		0.01	LOD	0.025	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU03-S013-00-01-X **Collected:** 6/15/2017 2:40:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.050	U	0.050	LOD	0.050	LOQ	mg/kg	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	0.050	U	0.050	LOD	0.050	LOQ	mg/kg	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	0.10	U	0.10	LOD	0.10	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: DU03-S013-00-01-X **Collected:** 6/15/2017 2:40:00 PM **Analysis Type:** Reanalysis-01-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.050	U	0.050	LOD	0.050	LOQ	mg/kg	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	0.050	U	0.050	LOD	0.050	LOQ	mg/kg	NP	StoE, ProfJudg
BENZOIC ACID	1.2		0.75	LOD	0.75	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: DU03-S013-00-01-X **Collected:** 6/15/2017 2:40:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	0.050	U	0.050	LOD	0.050	LOQ	mg/kg	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	0.020	U	0.020	LOD	0.049	LOQ	mg/kg	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.006	J	0.01	LOD	0.025	LOQ	mg/kg	NP	RI, StoE, ProfJudg
ACENAPHTHENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.015	J	0.01	LOD	0.025	LOQ	mg/kg	NP	RI, StoE, ProfJudg
ANTHRACENE	0.019	J	0.01	LOD	0.025	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZ(A)ANTHRACENE	0.047		0.01	LOD	0.025	LOQ	mg/kg	NP	StoE, ProfJudg
BENZALDEHYDE	0.35		0.20	LOD	0.25	LOQ	mg/kg	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.053		0.01	LOD	0.025	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.061		0.01	LOD	0.025	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.11		0.01	LOD	0.025	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.038		0.01	LOD	0.025	LOQ	mg/kg	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	0.20	U	0.20	LOD	0.25	LOQ	mg/kg	NP	StoE, ProfJudg
Butyl benzyl phthalate	0.20	U	0.20	LOD	0.25	LOQ	mg/kg	NP	StoE, ProfJudg
CAPROLACTAM	0.20	U	0.20	LOD	0.25	LOQ	mg/kg	NP	StoE, ProfJudg
CARBAZOLE	0.050	U	0.050	LOD	0.050	LOQ	mg/kg	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU03-S013-00-01-X **Collected:** 6/15/2017 2:40:00 PM **Analysis Type:** Reanalysis-01-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.074		0.01	LOD	0.025	LOQ	mg/kg	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	StoE, ProfJudg
DIBENZOFURAN	0.050	U	0.050	LOD	0.050	LOQ	mg/kg	NP	StoE, ProfJudg
DIETHYL PHTHALATE	0.20	U	0.20	LOD	0.25	LOQ	mg/kg	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	0.20	U	0.20	LOD	0.25	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	0.20	U	0.20	LOD	0.25	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	0.20	U	0.20	LOD	0.25	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORANTHENE	0.12		0.01	LOD	0.025	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORENE	0.011	J	0.01	LOD	0.025	LOQ	mg/kg	NP	RI, StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.01	U	0.01	LOD	0.025	LOQ	mg/kg	NP	StoE, ProfJudg
NAPHTHALENE	0.012	J	0.01	LOD	0.025	LOQ	mg/kg	NP	RI, StoE, ProfJudg
PHENANTHRENE	0.056		0.01	LOD	0.025	LOQ	mg/kg	NP	StoE, ProfJudg
PYRENE	0.11		0.01	LOD	0.025	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: DU03-S013-01-02 **Collected:** 6/15/2017 2:45:00 PM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.27	J	0.68	LOD	0.68	LOQ	mg/kg	J	RI

Sample ID: DU03-S013-01-02 **Collected:** 6/15/2017 2:45:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix: SOIL**

Sample ID: DU03-S013-01-02 **Collected:** 6/15/2017 2:45:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.009	J	0.009	LOD	0.023	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.009	J	0.009	LOD	0.023	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: DU03-S013-01-02-X **Collected:** 6/15/2017 2:45:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.045	U	0.045	LOD	0.045	LOQ	mg/kg	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	0.045	U	0.045	LOD	0.045	LOQ	mg/kg	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	0.090	U	0.090	LOD	0.090	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: DU03-S013-01-02-X **Collected:** 6/15/2017 2:45:00 PM **Analysis Type:** Reanalysis-01-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.045	U	0.045	LOD	0.045	LOQ	mg/kg	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	0.045	U	0.045	LOD	0.045	LOQ	mg/kg	NP	StoE, ProfJudg
BENZOIC ACID	0.82		0.68	LOD	0.68	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: DU03-S013-01-02-X **Collected:** 6/15/2017 2:45:00 PM **Analysis Type:** Reanalysis-01-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	0.045	U	0.045	LOD	0.045	LOQ	mg/kg	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	0.018	U	0.018	LOD	0.045	LOQ	mg/kg	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU03-S013-01-02-X **Collected:** 6/15/2017 2:45:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.007	J	0.009	LOD	0.023	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZALDEHYDE	0.18	U	0.18	LOD	0.23	LOQ	mg/kg	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.010	J	0.009	LOD	0.023	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZO(A)PYRENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	0.18	U	0.18	LOD	0.23	LOQ	mg/kg	NP	StoE, ProfJudg
Butyl benzyl phthalate	0.18	U	0.18	LOD	0.23	LOQ	mg/kg	NP	StoE, ProfJudg
CAPROLACTAM	0.18	U	0.18	LOD	0.23	LOQ	mg/kg	NP	StoE, ProfJudg
CARBAZOLE	0.045	U	0.045	LOD	0.045	LOQ	mg/kg	NP	StoE, ProfJudg
CHRYSENE	0.006	J	0.009	LOD	0.023	LOQ	mg/kg	NP	RI, StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	StoE, ProfJudg
DIBENZOFURAN	0.045	U	0.045	LOD	0.045	LOQ	mg/kg	NP	StoE, ProfJudg
DIETHYL PHTHALATE	0.18	U	0.18	LOD	0.23	LOQ	mg/kg	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	0.18	U	0.18	LOD	0.23	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	0.18	U	0.18	LOD	0.23	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	0.18	U	0.18	LOD	0.23	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORANTHENE	0.011	J	0.009	LOD	0.023	LOQ	mg/kg	NP	RI, StoE, ProfJudg
FLUORENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	StoE, ProfJudg
NAPHTHALENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	StoE, ProfJudg
PHENANTHRENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	StoE, ProfJudg
PYRENE	0.012	J	0.009	LOD	0.023	LOQ	mg/kg	NP	RI, StoE, ProfJudg

Sample ID: DU03-S014-00-01 **Collected:** 6/15/2017 3:40:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU03-S014-00-01 **Collected:** 6/15/2017 3:40:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.007	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
Benzo (g,h,i) perylene	0.009	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.012	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.012	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.007	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.009	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.019	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.013	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.014	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: DU03-S014-00-01-X **Collected:** 6/15/2017 3:40:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.041	U	0.041	LOD	0.041	LOQ	mg/kg	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	0.041	U	0.041	LOD	0.041	LOQ	mg/kg	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	0.082	U	0.082	LOD	0.082	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: DU03-S014-00-01-X **Collected:** 6/15/2017 3:40:00 PM **Analysis Type:** Reanalysis-01-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.041	U	0.041	LOD	0.041	LOQ	mg/kg	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	0.041	U	0.041	LOD	0.041	LOQ	mg/kg	NP	StoE, ProfJudg
BENZOIC ACID	4.1		0.62	LOD	0.62	LOQ	mg/kg	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **SOIL**

Sample ID: **DU03-S014-00-01-X** ***Collected:*** **6/15/2017 3:40:00 PM** ***Analysis Type:*** **Reanalysis-01-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1,4-DICHLOROBENZENE	0.041	U	0.041	LOD	0.041	LOQ	mg/kg	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	0.016	U	0.016	LOD	0.041	LOQ	mg/kg	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	StoE, ProfJudg
ANTHRACENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.01	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZALDEHYDE	0.27		0.16	LOD	0.21	LOQ	mg/kg	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.013	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZO(A)PYRENE	0.010	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.017	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.007	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	0.16	U	0.16	LOD	0.21	LOQ	mg/kg	NP	StoE, ProfJudg
Butyl benzyl phthalate	0.16	U	0.16	LOD	0.21	LOQ	mg/kg	NP	StoE, ProfJudg
CAPROLACTAM	0.16	U	0.16	LOD	0.21	LOQ	mg/kg	NP	StoE, ProfJudg
CARBAZOLE	0.041	U	0.041	LOD	0.041	LOQ	mg/kg	NP	StoE, ProfJudg
CHRYSENE	0.013	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	StoE, ProfJudg
DIBENZOFURAN	0.041	U	0.041	LOD	0.041	LOQ	mg/kg	NP	StoE, ProfJudg
DIETHYL PHTHALATE	0.16	U	0.16	LOD	0.21	LOQ	mg/kg	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	0.16	U	0.16	LOD	0.21	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	0.16	U	0.16	LOD	0.21	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	0.16	U	0.16	LOD	0.21	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORANTHENE	0.019	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, StoE, ProfJudg
FLUORENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.011	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, StoE, ProfJudg
NAPHTHALENE	0.006	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, StoE, ProfJudg
PHENANTHRENE	0.011	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix: SOIL**

Sample ID: DU03-S014-00-01-X **Collected:** 6/15/2017 3:40:00 PM **Analysis Type:** Reanalysis-01-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
PYRENE	0.016	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, StoE, ProfJudg

Sample ID: DU03-S014-01-02 **Collected:** 6/15/2017 3:45:00 PM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.28	J	0.59	LOD	0.59	LOQ	mg/kg	J	RI

Sample ID: DU03-S014-01-02 **Collected:** 6/15/2017 3:45:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.004	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.004	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.006	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.007	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.008	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU03-S015-00-01 **Collected:** 6/15/2017 4:00:00 PM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.54	J	0.58	LOD	0.58	LOQ	mg/kg	J	RI

Sample ID: DU03-S015-00-01 **Collected:** 6/15/2017 4:00:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.005	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.006	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.007	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
BENZALDEHYDE	0.084	J	0.16	LOD	0.19	LOQ	mg/kg	J	RI
Benzo (g,h,i) perylene	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.010	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.012	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.011	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.019	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.008	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.012	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.013	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.015	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: DU03-S015-01-02 **Collected:** 6/15/2017 4:05:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU03-S015-01-02 **Collected:** 6/15/2017 4:05:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.005	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.004	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.019	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.004	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.006	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: DU03-S016-00-01 **Collected:** 6/16/2017 8:50:00 AM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.037	J	0.055	LOD	0.055	LOQ	mg/kg	J	RI

Sample ID: DU03-S016-00-01 **Collected:** 6/16/2017 8:50:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.011	U	0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.011	U	0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.011	U	0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.011	U	0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.009	J	0.011	LOD	0.028	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.015	J	0.011	LOD	0.028	LOQ	mg/kg	NP	RI, ProfJudg
Benzo (g,h,i) perylene	0.011	U	0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.016	J	0.011	LOD	0.028	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.024	J	0.011	LOD	0.028	LOQ	mg/kg	NP	RI, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU03-S016-00-01 **Collected:** 6/16/2017 8:50:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(K)FLUORANTHENE	0.011	U	0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.023	J	0.011	LOD	0.028	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.011	U	0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.040		0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.011	U	0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.011	U	0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.011	U	0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.020	J	0.011	LOD	0.028	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.031		0.011	LOD	0.028	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU03-S016-01-02 **Collected:** 6/16/2017 8:55:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.014	U	0.014	LOD	0.035	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.014	U	0.014	LOD	0.035	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.014	U	0.014	LOD	0.035	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.014	U	0.014	LOD	0.035	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.014	U	0.014	LOD	0.035	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.014	U	0.014	LOD	0.035	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.014	U	0.014	LOD	0.035	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.014	U	0.014	LOD	0.035	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.012	J	0.014	LOD	0.035	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.014	U	0.014	LOD	0.035	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.011	J	0.014	LOD	0.035	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.014	U	0.014	LOD	0.035	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.017	J	0.014	LOD	0.035	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.014	U	0.014	LOD	0.035	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.014	U	0.014	LOD	0.035	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.014	U	0.014	LOD	0.035	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.007	J	0.014	LOD	0.035	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.015	J	0.014	LOD	0.035	LOQ	mg/kg	NP	RI, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU03-S001-00-01 **Collected:** 6/15/2017 1:30:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.0019	J	0.0019	LOD	0.0023	LOQ	mg/kg	J	Rl
ACENAPHTHENE	0.0014	J	0.0019	LOD	0.0023	LOQ	mg/kg	J	Rl
DIBENZO(A,H)ANTHRACENE	0.0010	J	0.0019	LOD	0.0023	LOQ	mg/kg	J	Rl
FLUORENE	0.0012	J	0.0019	LOD	0.0023	LOQ	mg/kg	J	Rl

Sample ID: DU03-S001-01-02 **Collected:** 6/15/2017 1:35:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.0016	U	0.0016	LOD	0.0020	LOQ	mg/kg	UJ	Fd
BENZO(A)PYRENE	0.0016	U	0.0016	LOD	0.0020	LOQ	mg/kg	UJ	Fd
BENZO(B)FLUORANTHENE	0.0011	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	Rl
CHRYSENE	0.00069	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	Rl
DIBENZO(A,H)ANTHRACENE	0.0016	U	0.0016	LOD	0.0020	LOQ	mg/kg	UJ	Fd
FLUORANTHENE	0.0013	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	Rl
PHENANTHRENE	0.0016	U	0.0016	LOD	0.0020	LOQ	mg/kg	UJ	Fd
PYRENE	0.0010	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	Rl, Fd

Sample ID: DU03-S001-01-02D **Collected:** 6/15/2017 1:35:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.00082	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	Rl, Fd
BENZO(A)PYRENE	0.00082	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	Rl, Fd
BENZO(B)FLUORANTHENE	0.0013	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	Rl
CHRYSENE	0.00086	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	Rl
DIBENZO(A,H)ANTHRACENE	0.0014	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	Rl, Fd
FLUORANTHENE	0.0017	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	Rl
PHENANTHRENE	0.0011	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	Rl, Fd
PYRENE	0.0014	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	Rl, Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU03-S002-00-01 **Collected:** 6/15/2017 1:05:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0012	J	0.0017	LOD	0.0022	LOQ	mg/kg	J	RI
2-METHYLNAPHTHALENE	0.0021	J	0.0017	LOD	0.0022	LOQ	mg/kg	J	RI
ACENAPHTHYLENE	0.0011	J	0.0017	LOD	0.0022	LOQ	mg/kg	J	RI
ANTHRACENE	0.00061	J	0.0017	LOD	0.0022	LOQ	mg/kg	J	RI
BENZ(A)ANTHRACENE	0.0020	J	0.0017	LOD	0.0022	LOQ	mg/kg	J	RI
BENZO(G,H,I)PERYLENE	0.00091	J	0.0017	LOD	0.0022	LOQ	mg/kg	J	RI
BENZO(K)FLUORANTHENE	0.0015	J	0.0017	LOD	0.0022	LOQ	mg/kg	J	RI
INDENO(1,2,3-CD)PYRENE	0.0010	J	0.0017	LOD	0.0022	LOQ	mg/kg	J	RI
NAPHTHALENE	0.0013	J	0.0017	LOD	0.0022	LOQ	mg/kg	J	RI

Sample ID: DU03-S002-01-02 **Collected:** 6/15/2017 1:10:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.0013	J	0.0023	LOD	0.0028	LOQ	mg/kg	J	RI
ANTHRACENE	0.0015	J	0.0023	LOD	0.0028	LOQ	mg/kg	J	RI
BENZ(A)ANTHRACENE	0.0019	J	0.0023	LOD	0.0028	LOQ	mg/kg	J	RI
BENZO(A)PYRENE	0.0021	J	0.0023	LOD	0.0028	LOQ	mg/kg	J	RI
BENZO(G,H,I)PERYLENE	0.0012	J	0.0023	LOD	0.0028	LOQ	mg/kg	J	RI
BENZO(K)FLUORANTHENE	0.0016	J	0.0023	LOD	0.0028	LOQ	mg/kg	J	RI
CHRYSENE	0.0023	J	0.0023	LOD	0.0028	LOQ	mg/kg	J	RI
INDENO(1,2,3-CD)PYRENE	0.0013	J	0.0023	LOD	0.0028	LOQ	mg/kg	J	RI
NAPHTHALENE	0.0013	J	0.0023	LOD	0.0028	LOQ	mg/kg	J	RI
PHENANTHRENE	0.0027	J	0.0023	LOD	0.0028	LOQ	mg/kg	J	RI

Sample ID: DU03-S003-00-01 **Collected:** 6/15/2017 12:45:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0012	J	0.0021	LOD	0.0027	LOQ	mg/kg	J	RI
2-METHYLNAPHTHALENE	0.0012	J	0.0021	LOD	0.0027	LOQ	mg/kg	J	RI
ACENAPHTHYLENE	0.0018	J	0.0021	LOD	0.0027	LOQ	mg/kg	J	RI
FLUORENE	0.0011	J	0.0021	LOD	0.0027	LOQ	mg/kg	J	RI
NAPHTHALENE	0.0022	J	0.0021	LOD	0.0027	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU03-S003-01-02 **Collected:** 6/15/2017 12:50:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.0016	J	0.0026	LOD	0.0032	LOQ	mg/kg	J	RI
ANTHRACENE	0.0016	J	0.0026	LOD	0.0032	LOQ	mg/kg	J	RI
BENZO(B)FLUORANTHENE	0.0029	J	0.0026	LOD	0.0032	LOQ	mg/kg	J	RI
CHRYSENE	0.0013	J	0.0026	LOD	0.0032	LOQ	mg/kg	J	RI
FLUORANTHENE	0.0031	J	0.0026	LOD	0.0032	LOQ	mg/kg	J	RI
PHENANTHRENE	0.0019	J	0.0026	LOD	0.0032	LOQ	mg/kg	J	RI
PYRENE	0.0021	J	0.0026	LOD	0.0032	LOQ	mg/kg	J	RI

Sample ID: DU03-S004-00-01 **Collected:** 6/15/2017 12:25:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.00055	J	0.0018	LOD	0.0023	LOQ	mg/kg	J	RI
ANTHRACENE	0.00056	J	0.0018	LOD	0.0023	LOQ	mg/kg	J	RI
BENZ(A)ANTHRACENE	0.0013	J	0.0018	LOD	0.0023	LOQ	mg/kg	J	RI
BENZO(A)PYRENE	0.0015	J	0.0018	LOD	0.0023	LOQ	mg/kg	J	RI
BENZO(K)FLUORANTHENE	0.0011	J	0.0018	LOD	0.0023	LOQ	mg/kg	J	RI
CHRYSENE	0.0019	J	0.0018	LOD	0.0023	LOQ	mg/kg	J	RI
INDENO(1,2,3-CD)PYRENE	0.0011	J	0.0018	LOD	0.0023	LOQ	mg/kg	J	RI
PHENANTHRENE	0.0015	J	0.0018	LOD	0.0023	LOQ	mg/kg	J	RI

Sample ID: DU03-S004-01-02 **Collected:** 6/15/2017 12:30:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.00091	J	0.0023	LOD	0.0029	LOQ	mg/kg	J	RI
ANTHRACENE	0.0015	J	0.0023	LOD	0.0029	LOQ	mg/kg	J	RI
BENZO(B)FLUORANTHENE	0.0019	J	0.0023	LOD	0.0029	LOQ	mg/kg	J	RI
CHRYSENE	0.0010	J	0.0023	LOD	0.0029	LOQ	mg/kg	J	RI
DIBENZO(A,H)ANTHRACENE	0.0016	J	0.0023	LOD	0.0029	LOQ	mg/kg	J	RI
FLUORANTHENE	0.0023	J	0.0023	LOD	0.0029	LOQ	mg/kg	J	RI
PHENANTHRENE	0.0017	J	0.0023	LOD	0.0029	LOQ	mg/kg	J	RI
PYRENE	0.0016	J	0.0023	LOD	0.0029	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU03-S005-00-01 **Collected:** 6/15/2017 1:55:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.0013	J	0.0020	LOD	0.0024	LOQ	mg/kg	J	RI
FLUORENE	0.0012	J	0.0020	LOD	0.0024	LOQ	mg/kg	J	RI
NAPHTHALENE	0.0011	J	0.0020	LOD	0.0024	LOQ	mg/kg	J	RI

Sample ID: DU03-S005-01-02 **Collected:** 6/15/2017 2:00:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.00083	J	0.0020	LOD	0.0024	LOQ	mg/kg	J	RI
ANTHRACENE	0.00055	J	0.0020	LOD	0.0024	LOQ	mg/kg	J	RI
BENZ(A)ANTHRACENE	0.0019	J	0.0020	LOD	0.0024	LOQ	mg/kg	J	RI
BENZO(A)PYRENE	0.0015	J	0.0020	LOD	0.0024	LOQ	mg/kg	J	RI
BENZO(K)FLUORANTHENE	0.0014	J	0.0020	LOD	0.0024	LOQ	mg/kg	J	RI

Sample ID: DU03-S006-00-01 **Collected:** 6/15/2017 3:00:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0013	J	0.0024	LOD	0.0030	LOQ	mg/kg	J	RI
2-METHYLNAPHTHALENE	0.0013	J	0.0024	LOD	0.0030	LOQ	mg/kg	J	RI
ANTHRACENE	0.0024	J	0.0024	LOD	0.0030	LOQ	mg/kg	J	RI
BENZO(G,H,I)PERYLENE	0.0017	J	0.0024	LOD	0.0030	LOQ	mg/kg	J	RI
FLUORENE	0.0016	J	0.0024	LOD	0.0030	LOQ	mg/kg	J	RI
NAPHTHALENE	0.0026	J	0.0024	LOD	0.0030	LOQ	mg/kg	J	RI

Sample ID: DU03-S006-01-02 **Collected:** 6/15/2017 3:05:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.00094	J	0.0018	LOD	0.0023	LOQ	mg/kg	J	RI
BENZO(B)FLUORANTHENE	0.0020	J	0.0018	LOD	0.0023	LOQ	mg/kg	J	RI
CHRYSENE	0.0015	J	0.0018	LOD	0.0023	LOQ	mg/kg	J	RI
PHENANTHRENE	0.0015	J	0.0018	LOD	0.0023	LOQ	mg/kg	J	RI
PYRENE	0.0021	J	0.0018	LOD	0.0023	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU03-S007-00-01 **Collected:** 6/16/2017 8:05:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.0019	J	0.0034	LOD	0.0043	LOQ	mg/kg	J	RI
ACENAPHTHENE	0.0033	J	0.0034	LOD	0.0043	LOQ	mg/kg	J	RI
ACENAPHTHYLENE	0.0021	J	0.0034	LOD	0.0043	LOQ	mg/kg	J	RI
ANTHRACENE	0.0020	J	0.0034	LOD	0.0043	LOQ	mg/kg	J	RI
BENZ(A)ANTHRACENE	0.0019	J	0.0034	LOD	0.0043	LOQ	mg/kg	J	RI
CHRYSENE	0.0042	J	0.0034	LOD	0.0043	LOQ	mg/kg	J	RI
FLUORENE	0.0042	J	0.0034	LOD	0.0043	LOQ	mg/kg	J	RI

Sample ID: DU03-S007-01-02 **Collected:** 6/16/2017 8:10:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0017	J	0.0026	LOD	0.0033	LOQ	mg/kg	J	RI
ACENAPHTHYLENE	0.0023	J	0.0026	LOD	0.0033	LOQ	mg/kg	J	RI
BENZO(G,H,I)PERYLENE	0.0022	J	0.0026	LOD	0.0033	LOQ	mg/kg	J	RI
FLUORENE	0.0018	J	0.0026	LOD	0.0033	LOQ	mg/kg	J	RI
INDENO(1,2,3-CD)PYRENE	0.0025	J	0.0026	LOD	0.0033	LOQ	mg/kg	J	RI
NAPHTHALENE	0.0031	J	0.0026	LOD	0.0033	LOQ	mg/kg	J	RI

Sample ID: DU03-S008-00-01 **Collected:** 6/16/2017 8:25:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.0012	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
BENZO(G,H,I)PERYLENE	0.0014	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
FLUORENE	0.00081	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
INDENO(1,2,3-CD)PYRENE	0.0016	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI

Sample ID: DU03-S008-01-02 **Collected:** 6/16/2017 8:30:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0023	J	0.0030	LOD	0.0038	LOQ	mg/kg	J	RI
FLUORENE	0.0028	J	0.0030	LOD	0.0038	LOQ	mg/kg	J	RI
NAPHTHALENE	0.0036	J	0.0030	LOD	0.0038	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU03-S008-01-02 **Collected:** 6/16/2017 8:30:00 AM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0026	J	0.0030	LOD	0.0038	LOQ	mg/kg	NP	RI, ProfJudg
2-METHYLNAPHTHALENE	0.0030	U	0.0030	LOD	0.0038	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.0030	U	0.0030	LOD	0.0038	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.0029	J	0.0030	LOD	0.0038	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.0052		0.0030	LOD	0.0038	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.0083		0.0030	LOD	0.0038	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.010		0.0030	LOD	0.0038	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.023		0.0030	LOD	0.0038	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.0039		0.0030	LOD	0.0038	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.0068		0.0030	LOD	0.0038	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.012		0.0030	LOD	0.0038	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0030	U	0.0030	LOD	0.0038	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.028		0.0030	LOD	0.0038	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.0025	J	0.0030	LOD	0.0038	LOQ	mg/kg	NP	RI, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.0047		0.0030	LOD	0.0038	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.0033	J	0.0030	LOD	0.0038	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.015		0.0030	LOD	0.0038	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.021		0.0030	LOD	0.0038	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU03-S009-00-01 **Collected:** 6/15/2017 2:10:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.0011	J	0.0017	LOD	0.0022	LOQ	mg/kg	J	RI
ACENAPHTHYLENE	0.0013	J	0.0017	LOD	0.0022	LOQ	mg/kg	J	RI
ANTHRACENE	0.0012	J	0.0017	LOD	0.0022	LOQ	mg/kg	J	RI
BENZO(G,H,I)PERYLENE	0.0018	J	0.0017	LOD	0.0022	LOQ	mg/kg	J	RI
DIBENZO(A,H)ANTHRACENE	0.0011	J	0.0017	LOD	0.0022	LOQ	mg/kg	J	RI
INDENO(1,2,3-CD)PYRENE	0.0021	J	0.0017	LOD	0.0022	LOQ	mg/kg	J	RI
NAPHTHALENE	0.0013	J	0.0017	LOD	0.0022	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU03-S009-01-02 **Collected:** 6/15/2017 2:15:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(B)FLUORANTHENE	0.0012	J	0.0017	LOD	0.0022	LOQ	mg/kg	J	RI
CHRYSENE	0.00075	J	0.0017	LOD	0.0022	LOQ	mg/kg	J	RI
FLUORANTHENE	0.0012	J	0.0017	LOD	0.0022	LOQ	mg/kg	J	RI
PYRENE	0.0010	J	0.0017	LOD	0.0022	LOQ	mg/kg	J	RI

Sample ID: DU03-S010-00-01 **Collected:** 6/15/2017 3:25:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.0016	J	0.0019	LOD	0.0023	LOQ	mg/kg	J	RI
ANTHRACENE	0.0012	J	0.0019	LOD	0.0023	LOQ	mg/kg	J	RI
BENZO(G,H,I)PERYLENE	0.0012	J	0.0019	LOD	0.0023	LOQ	mg/kg	J	RI
BENZO(K)FLUORANTHENE	0.0021	J	0.0019	LOD	0.0023	LOQ	mg/kg	J	RI
INDENO(1,2,3-CD)PYRENE	0.0014	J	0.0019	LOD	0.0023	LOQ	mg/kg	J	RI
NAPHTHALENE	0.0013	J	0.0019	LOD	0.0023	LOQ	mg/kg	J	RI

Sample ID: DU03-S010-01-02 **Collected:** 6/15/2017 3:30:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.0012	J	0.0018	LOD	0.0022	LOQ	mg/kg	J	RI
ACENAPHTHYLENE	0.00051	J	0.0018	LOD	0.0022	LOQ	mg/kg	J	RI
BENZO(B)FLUORANTHENE	0.0017	J	0.0018	LOD	0.0022	LOQ	mg/kg	J	RI
CHRYSENE	0.0013	J	0.0018	LOD	0.0022	LOQ	mg/kg	J	RI
FLUORANTHENE	0.0016	J	0.0018	LOD	0.0022	LOQ	mg/kg	J	RI
PHENANTHRENE	0.0011	J	0.0018	LOD	0.0022	LOQ	mg/kg	J	RI
PYRENE	0.0012	J	0.0018	LOD	0.0022	LOQ	mg/kg	J	RI

Sample ID: DU03-S011-00-01 **Collected:** 6/16/2017 7:55:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0020	J	0.0027	LOD	0.0034	LOQ	mg/kg	J	RI
2-METHYLNAPHTHALENE	0.0033	J	0.0027	LOD	0.0034	LOQ	mg/kg	J	RI
ACENAPHTHYLENE	0.00077	J	0.0027	LOD	0.0034	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU03-S011-00-01 **Collected:** 6/16/2017 7:55:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.0011	J	0.0027	LOD	0.0034	LOQ	mg/kg	J	RI
BENZ(A)ANTHRACENE	0.0020	J	0.0027	LOD	0.0034	LOQ	mg/kg	J	RI
BENZO(A)PYRENE	0.0025	J	0.0027	LOD	0.0034	LOQ	mg/kg	J	RI
BENZO(K)FLUORANTHENE	0.0028	J	0.0027	LOD	0.0034	LOQ	mg/kg	J	RI
CHRYSENE	0.0033	J	0.0027	LOD	0.0034	LOQ	mg/kg	J	RI

Sample ID: DU03-S011-01-02 **Collected:** 6/16/2017 8:00:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.0015	J	0.0024	LOD	0.0030	LOQ	mg/kg	J	RI
BENZ(A)ANTHRACENE	0.0018	J	0.0024	LOD	0.0030	LOQ	mg/kg	J	RI
BENZO(A)PYRENE	0.0025	J	0.0024	LOD	0.0030	LOQ	mg/kg	J	RI
BENZO(G,H,I)PERYLENE	0.0013	J	0.0024	LOD	0.0030	LOQ	mg/kg	J	RI
INDENO(1,2,3-CD)PYRENE	0.0013	J	0.0024	LOD	0.0030	LOQ	mg/kg	J	RI
PHENANTHRENE	0.0024	J	0.0024	LOD	0.0030	LOQ	mg/kg	J	RI
PYRENE	0.0025	J	0.0024	LOD	0.0030	LOQ	mg/kg	J	RI

Sample ID: DU03-S012-00-01 **Collected:** 6/16/2017 8:15:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0014	J	0.0022	LOD	0.0027	LOQ	mg/kg	J	RI
2-METHYLNAPHTHALENE	0.0019	J	0.0022	LOD	0.0027	LOQ	mg/kg	J	RI
ACENAPHTHYLENE	0.00064	J	0.0022	LOD	0.0027	LOQ	mg/kg	J	RI
ANTHRACENE	0.0011	J	0.0022	LOD	0.0027	LOQ	mg/kg	J	RI
BENZO(A)PYRENE	0.0022	J	0.0022	LOD	0.0027	LOQ	mg/kg	J	RI
BENZO(B)FLUORANTHENE	0.0020	J	0.0022	LOD	0.0027	LOQ	mg/kg	J	RI
CHRYSENE	0.0012	J	0.0022	LOD	0.0027	LOQ	mg/kg	J	RI
FLUORANTHENE	0.0025	J	0.0022	LOD	0.0027	LOQ	mg/kg	J	RI
PYRENE	0.0023	J	0.0022	LOD	0.0027	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU03-S012-01-02 **Collected:** 6/16/2017 8:20:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0012	J	0.0019	LOD	0.0023	LOQ	mg/kg	J	RI
2-METHYLNAPHTHALENE	0.0020	J	0.0019	LOD	0.0023	LOQ	mg/kg	J	RI
ACENAPHTHYLENE	0.0021	J	0.0019	LOD	0.0023	LOQ	mg/kg	J	RI
DIBENZO(A,H)ANTHRACENE	0.0015	J	0.0019	LOD	0.0023	LOQ	mg/kg	J	RI

Sample ID: DU03-S013-00-01 **Collected:** 6/15/2017 2:40:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0020	J	0.0020	LOD	0.0025	LOQ	mg/kg	J	RI
ACENAPHTHENE	0.0015	J	0.0020	LOD	0.0025	LOQ	mg/kg	J	RI
FLUORENE	0.0022	J	0.0020	LOD	0.0025	LOQ	mg/kg	J	RI

Sample ID: DU03-S013-01-02 **Collected:** 6/15/2017 2:45:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.00098	J	0.0018	LOD	0.0023	LOQ	mg/kg	J	RI
ACENAPHTHYLENE	0.0010	J	0.0018	LOD	0.0023	LOQ	mg/kg	J	RI
ANTHRACENE	0.00095	J	0.0018	LOD	0.0023	LOQ	mg/kg	J	RI
BENZO(G,H,I)PERYLENE	0.0015	J	0.0018	LOD	0.0023	LOQ	mg/kg	J	RI
INDENO(1,2,3-CD)PYRENE	0.0018	J	0.0018	LOD	0.0023	LOQ	mg/kg	J	RI

Sample ID: DU03-S014-00-01 **Collected:** 6/15/2017 3:40:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.0012	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI
ANTHRACENE	0.0019	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI
DIBENZO(A,H)ANTHRACENE	0.0016	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI

Sample ID: DU03-S014-01-02 **Collected:** 6/15/2017 3:45:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.00052	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI
ANTHRACENE	0.00082	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU03-S014-01-02 **Collected:** 6/15/2017 3:45:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(G,H,I)PERYLENE	0.0010	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	Rl
BENZO(K)FLUORANTHENE	0.0013	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	Rl
INDENO(1,2,3-CD)PYRENE	0.0011	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	Rl
NAPHTHALENE	0.0010	J	0.0016	LOD	0.0020	LOQ	mg/kg	U	Eb

Sample ID: DU03-S015-00-01 **Collected:** 6/15/2017 4:00:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0015	J	0.0016	LOD	0.0019	LOQ	mg/kg	J	Rl, Ms
2-METHYLNAPHTHALENE	0.0033		0.0016	LOD	0.0019	LOQ	mg/kg	J	Ms, Ms
ACENAPHTHYLENE	0.0011	J	0.0016	LOD	0.0019	LOQ	mg/kg	J	Rl
BENZO(G,H,I)PERYLENE	0.0025		0.0016	LOD	0.0019	LOQ	mg/kg	J-	Ms
DIBENZO(A,H)ANTHRACENE	0.00086	J	0.0016	LOD	0.0019	LOQ	mg/kg	J	Rl
FLUORENE	0.00093	J	0.0016	LOD	0.0019	LOQ	mg/kg	J	Rl
NAPHTHALENE	0.0097		0.0016	LOD	0.0019	LOQ	mg/kg	J	Ms, Ms
PHENANTHRENE	0.010		0.0016	LOD	0.0019	LOQ	mg/kg	J	Ms, Ms

Sample ID: DU03-S015-01-02 **Collected:** 6/15/2017 4:05:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.00078	J	0.0016	LOD	0.0019	LOQ	mg/kg	J	Rl
2-METHYLNAPHTHALENE	0.0016	J	0.0016	LOD	0.0019	LOQ	mg/kg	J	Rl
ANTHRACENE	0.00054	J	0.0016	LOD	0.0019	LOQ	mg/kg	J	Rl
BENZ(A)ANTHRACENE	0.0012	J	0.0016	LOD	0.0019	LOQ	mg/kg	J	Rl
BENZO(A)PYRENE	0.0012	J	0.0016	LOD	0.0019	LOQ	mg/kg	J	Rl
BENZO(K)FLUORANTHENE	0.00084	J	0.0016	LOD	0.0019	LOQ	mg/kg	J	Rl
CHRYSENE	0.0014	J	0.0016	LOD	0.0019	LOQ	mg/kg	J	Rl

Sample ID: DU03-S016-00-01 **Collected:** 6/16/2017 8:50:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0013	J	0.0022	LOD	0.0028	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU03-S016-00-01 **Collected:** 6/16/2017 8:50:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.0015	J	0.0022	LOD	0.0028	LOQ	mg/kg	J	RI
ACENAPHTHYLENE	0.0016	J	0.0022	LOD	0.0028	LOQ	mg/kg	J	RI
DIBENZO(A,H)ANTHRACENE	0.0011	J	0.0022	LOD	0.0028	LOQ	mg/kg	J	RI
FLUORENE	0.0017	J	0.0022	LOD	0.0028	LOQ	mg/kg	J	RI
NAPHTHALENE	0.0018	J	0.0022	LOD	0.0028	LOQ	mg/kg	J	RI

Sample ID: DU03-S016-01-02 **Collected:** 6/16/2017 8:55:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0017	J	0.0027	LOD	0.0034	LOQ	mg/kg	J	RI
2-METHYLNAPHTHALENE	0.0017	J	0.0027	LOD	0.0034	LOQ	mg/kg	J	RI
ACENAPHTHYLENE	0.0013	J	0.0027	LOD	0.0034	LOQ	mg/kg	J	RI
ANTHRACENE	0.0022	J	0.0027	LOD	0.0034	LOQ	mg/kg	J	RI
BENZO(G,H,I)PERYLENE	0.0022	J	0.0027	LOD	0.0034	LOQ	mg/kg	J	RI
BENZO(K)FLUORANTHENE	0.0032	J	0.0027	LOD	0.0034	LOQ	mg/kg	J	RI
INDENO(1,2,3-CD)PYRENE	0.0025	J	0.0027	LOD	0.0034	LOQ	mg/kg	J	RI
NAPHTHALENE	0.0022	J	0.0027	LOD	0.0034	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Reason Code Legend

Reason Code	*Description*
Eb	Equipment Blank Contamination
Fd	Field Duplicate Precision
Mb	Method Blank Contamination
Ms	Matrix Spike Lower Estimation
Ms	Matrix Spike Precision
Ms	Matrix Spike Upper Estimation
ProfJudg	Professional Judgment
RI	Reporting Limit Trace Value
StoE	Sampling to Extraction Estimation

* denotes a non-reportable result

QC Outlier Report: HoldingTimes

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D **Preparation Method: SW3546**

Matrix: SOIL

Sample ID	Type	Actual	Criteria	Units	Flag
DU03-S001-00-01-X (Reanalysis-01)	Sampling To Extraction	25.00	14.00	DAYS	J- (all detects)
DU03-S001-01-02D-X (Reanalysis-0		25.00	14.00	DAYS	UJ (all non-detects)
DU03-S001-01-02-X (Reanalysis-01)		25.00	14.00	DAYS	
DU03-S002-00-01-X (Reanalysis-01)		25.00	14.00	DAYS	
DU03-S002-01-02-X (Reanalysis-01)		25.00	14.00	DAYS	
DU03-S003-00-01-X (Reanalysis-01)		25.00	14.00	DAYS	
DU03-S003-01-02-X (Reanalysis-01)		25.00	14.00	DAYS	
DU03-S004-00-01-X (Reanalysis-01)		25.00	14.00	DAYS	
DU03-S004-01-02-X (Reanalysis-01)		25.00	14.00	DAYS	
DU03-S005-00-01-X (Reanalysis-01)		25.00	14.00	DAYS	
DU03-S005-01-02-X (Reanalysis-01)		25.00	14.00	DAYS	
DU03-S006-00-01-X (Reanalysis-01)		25.00	14.00	DAYS	
DU03-S006-01-02-X (Reanalysis-01)		25.00	14.00	DAYS	
DU03-S009-00-01-X (Reanalysis-01)		25.00	14.00	DAYS	
DU03-S009-01-02-X (Reanalysis-01)		25.00	14.00	DAYS	
DU03-S013-00-01-X (Reanalysis-01)		25.00	14.00	DAYS	
DU03-S013-01-02-X (Reanalysis-01)		25.00	14.00	DAYS	
DU03-S014-00-01-X (Reanalysis-01)		25.00	14.00	DAYS	

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D
Matrix: SOIL

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
DU03-S014-01-02MSD (DU03-S014-01-02)	4-Chloroaniline [p-Chloroaniline]	-	-	17.00-106.00	37 (20.00)	4-Chloroaniline [p-Chloroaniline]	J (all detects)
DU03-S014-01-02MSD (DU03-S014-01-02)	2-CHLORONAPHTHALENE	-	117	41.00-114.00	-	2-CHLORONAPHTHALENE	J+(all detects)

Method: 8270D SIM
Matrix: SOIL

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
DU03-S015-00-01MS DU03-S015-00-01MSD (DU03-S015-00-01)	1-METHYLNAPHTHALENE 2-METHYLNAPHTHALENE NAPHTHALENE PHENANTHRENE	- 142 325 149	- - - -	43.00-111.00 39.00-114.00 38.00-111.00 49.00-113.00	29 (20.00) 51 (20.00) 112 (20.00) 26 (20.00)	1-METHYLNAPHTHALENE 2-METHYLNAPHTHALENE NAPHTHALENE PHENANTHRENE	J(all detects)
DU03-S015-00-01MS DU03-S015-00-01MSD (DU03-S015-00-01)	BENZO(G,H,I)PERYLENE	45	39	49.00-127.00	-	BENZO(G,H,I)PERYLENE	J-(all detects) UJ(all non-detects)
DU03-S015-00-01MS (DU03-S015-00-01)	ACENAPHTHENE	116	-	44.00-111.00	-	ACENAPHTHENE	J+(all detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D SIM
Matrix: SOIL

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU03-S001-01-02	DU03-S001-01-02D			
BENZO(B)FLUORANTHENE	0.0011	0.0013	17	30.00	No Qualifiers Applied
CHRYSENE	0.00069	0.00086	22	30.00	
FLUORANTHENE	0.0013	0.0017	27	30.00	
BENZ(A)ANTHRACENE	0.0020 U	0.00082	200	30.00	J(all detects) UJ(all non-detects)
BENZO(A)PYRENE	0.0020 U	0.00082	200	30.00	
DIBENZO(A,H)ANTHRACENE	0.0020 U	0.0014	200	30.00	
PHENANTHRENE	0.0020 U	0.0011	200	30.00	
PYRENE	0.0010	0.0014	33	30.00	

Method: 8270D
Matrix: SOIL

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU03-S001-01-02	DU03-S001-01-02D			
BENZ(A)ANTHRACENE	0.021 U	0.004	200	30.00	J(all detects)
CHRYSENE	0.004	0.020 U	200	30.00	UJ(all non-detects)

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU03-S001-01-02-X	DU03-S001-01-02D-X			
BENZ(A)ANTHRACENE	0.008	0.006	29	30.00	No Qualifiers Applied
BENZO(B)FLUORANTHENE	0.010	0.008	22	30.00	
CHRYSENE	0.007	0.008	13	30.00	
FLUORANTHENE	0.009	0.008	12	30.00	
PYRENE	0.009	0.008	12	30.00	
3/4-Methylphenol [m/p-Cresol]	0.040 U	0.039	200	30.00	J(all detects) UJ(all non-detects)
BENZO(A)PYRENE	0.006	0.020 U	200	30.00	
DIBENZO(A,H)ANTHRACENE	0.005	0.020 U	200	30.00	

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Reporting Limit Outliers

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU03-S001-00-01	CADMIUM	J	0.0528	0.189	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.211	0.757	LOQ	mg/kg	
	SODIUM	J	73.4	75.7	LOQ	mg/kg	
	THALLIUM	J	0.0608	0.189	LOQ	mg/kg	
DU03-S002-00-01	ARSENIC	J	0.650	0.833	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.143	0.208	LOQ	mg/kg	
	CADMIUM	J	0.0769	0.208	LOQ	mg/kg	
	SODIUM	J	67.4	83.3	LOQ	mg/kg	
	THALLIUM	J	0.0433	0.208	LOQ	mg/kg	
DU03-S003-00-01	BERYLLIUM	J	0.259	0.271	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.113	0.271	LOQ	mg/kg	
	SELENIUM	J	0.214	1.08	LOQ	mg/kg	
	SODIUM	J	98.0	108	LOQ	mg/kg	
	THALLIUM	J	0.0482	0.271	LOQ	mg/kg	
DU03-S004-00-01	BERYLLIUM	J	0.136	0.251	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.170	1.01	LOQ	mg/kg	
	THALLIUM	J	0.0317	0.251	LOQ	mg/kg	
DU03-S005-00-01	SELENIUM	J	0.253	1.11	LOQ	mg/kg	J (all detects)
	THALLIUM	J	0.0632	0.278	LOQ	mg/kg	
DU03-S006-00-01	BERYLLIUM	J	0.265	0.294	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.0779	0.294	LOQ	mg/kg	
	SELENIUM	J	0.287	1.18	LOQ	mg/kg	
	THALLIUM	J	0.0914	0.294	LOQ	mg/kg	
DU03-S007-00-01	CADMIUM	J	0.154	0.351	LOQ	mg/kg	J (all detects)
	THALLIUM	J	0.108	0.351	LOQ	mg/kg	
DU03-S008-00-01	BERYLLIUM	J	0.146	0.225	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.0670	0.225	LOQ	mg/kg	
	SELENIUM	J	0.205	0.900	LOQ	mg/kg	
	THALLIUM	J	0.0443	0.225	LOQ	mg/kg	
DU03-S009-00-01	BERYLLIUM	J	0.141	0.237	LOQ	mg/kg	J (all detects)
DU03-S010-00-01	BERYLLIUM	J	0.196	0.253	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.136	1.01	LOQ	mg/kg	
	THALLIUM	J	0.0339	0.253	LOQ	mg/kg	
DU03-S011-00-01	BERYLLIUM	J	0.249	0.358	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.0719	0.358	LOQ	mg/kg	
	SELENIUM	J	0.613	1.43	LOQ	mg/kg	
	THALLIUM	J	0.0487	0.358	LOQ	mg/kg	
DU03-S012-00-01	BERYLLIUM	J	0.162	0.237	LOQ	mg/kg	J (all detects)
	COPPER	J	0.894	0.950	LOQ	mg/kg	
	SELENIUM	J	0.296	0.950	LOQ	mg/kg	
	THALLIUM	J	0.0926	0.237	LOQ	mg/kg	
	ZINC	J	6.03	7.12	LOQ	mg/kg	
DU03-S013-00-01	ANTIMONY	J	0.244	0.584	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.0867	0.292	LOQ	mg/kg	
	SELENIUM	J	0.474	1.17	LOQ	mg/kg	
	THALLIUM	J	0.0794	0.292	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU03-S014-00-01	BERYLLIUM	J	0.201	0.235	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.0716	0.235	LOQ	mg/kg	
	SELENIUM	J	0.302	0.939	LOQ	mg/kg	
	SILVER	J	0.0345	0.235	LOQ	mg/kg	
	SODIUM	J	84.7	93.9	LOQ	mg/kg	
	THALLIUM	J	0.0810	0.235	LOQ	mg/kg	
DU03-S015-00-01	SELENIUM	J	0.327	0.771	LOQ	mg/kg	J (all detects)
	SODIUM	J	67.9	77.1	LOQ	mg/kg	
	THALLIUM	J	0.0824	0.193	LOQ	mg/kg	
DU03-S016-00-01	BERYLLIUM	J	0.183	0.272	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.119	0.272	LOQ	mg/kg	
	THALLIUM	J	0.0544	0.272	LOQ	mg/kg	

Method: 7471B

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU03-S001-00-01	MERCURY	J	0.0230	0.139	LOQ	mg/kg	J (all detects)
DU03-S003-00-01	MERCURY	J	0.0215	0.152	LOQ	mg/kg	J (all detects)
DU03-S004-00-01	MERCURY	J	0.0150	0.130	LOQ	mg/kg	J (all detects)
DU03-S005-00-01	MERCURY	J	0.0206	0.140	LOQ	mg/kg	J (all detects)
DU03-S006-00-01	MERCURY	J	0.0329	0.170	LOQ	mg/kg	J (all detects)
DU03-S007-00-01	MERCURY	J	0.0295	0.262	LOQ	mg/kg	J (all detects)
DU03-S008-00-01	MERCURY	J	0.0216	0.115	LOQ	mg/kg	J (all detects)
DU03-S010-00-01	MERCURY	J	0.0190	0.140	LOQ	mg/kg	J (all detects)
DU03-S011-00-01	MERCURY	J	0.0236	0.190	LOQ	mg/kg	J (all detects)
DU03-S012-00-01	MERCURY	J	0.0178	0.155	LOQ	mg/kg	J (all detects)
DU03-S013-00-01	MERCURY	J	0.123	0.146	LOQ	mg/kg	J (all detects)
DU03-S014-00-01	MERCURY	J	0.0411	0.122	LOQ	mg/kg	J (all detects)
DU03-S015-00-01	MERCURY	J	0.0360	0.118	LOQ	mg/kg	J (all detects)
DU03-S016-00-01	MERCURY	J	0.0165	0.157	LOQ	mg/kg	J (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU03-S001-00-01	1-METHYLNAPHTHALENE	J	0.006	0.024	LOQ	mg/kg	
	ANTHRACENE	J	0.007	0.024	LOQ	mg/kg	
	BENZ(A)ANTHRACENE	J	0.016	0.024	LOQ	mg/kg	
	BENZALDEHYDE	J	0.12	0.23	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.014	0.024	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.016	0.024	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.022	0.024	LOQ	mg/kg	J (all detects)
	BENZO(K)FLUORANTHENE	J	0.013	0.024	LOQ	mg/kg	
	BENZOIC ACID	J	0.37	0.70	LOQ	mg/kg	
	CHRYSENE	J	0.019	0.024	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.013	0.024	LOQ	mg/kg	
	NAPHTHALENE	J	0.01	0.024	LOQ	mg/kg	
	PHENANTHRENE	J	0.021	0.024	LOQ	mg/kg	
DU03-S001-00-01-X	1-METHYLNAPHTHALENE	J	0.008	0.024	LOQ	mg/kg	
	3/4-Methylphenol [m/p-Cresol]	J	0.035	0.047	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.008	0.024	LOQ	mg/kg	
	ANTHRACENE	J	0.005	0.024	LOQ	mg/kg	
	BENZ(A)ANTHRACENE	J	0.017	0.024	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.009	0.024	LOQ	mg/kg	J (all detects)
	BENZO(A)PYRENE	J	0.018	0.024	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.021	0.024	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.009	0.024	LOQ	mg/kg	
	CHRYSENE	J	0.018	0.024	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.01	0.024	LOQ	mg/kg	
	PHENANTHRENE	J	0.017	0.024	LOQ	mg/kg	
DU03-S001-01-02	CHRYSENE	J	0.004	0.021	LOQ	mg/kg	J (all detects)
DU03-S001-01-02D	BENZ(A)ANTHRACENE	J	0.004	0.020	LOQ	mg/kg	J (all detects)
DU03-S001-01-02D-X	3/4-Methylphenol [m/p-Cresol]	J	0.039	0.040	LOQ	mg/kg	
	BENZ(A)ANTHRACENE	J	0.006	0.020	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.008	0.020	LOQ	mg/kg	J (all detects)
	CHRYSENE	J	0.008	0.020	LOQ	mg/kg	
	FLUORANTHENE	J	0.008	0.020	LOQ	mg/kg	
	PYRENE	J	0.008	0.020	LOQ	mg/kg	
DU03-S001-01-02-X	BENZ(A)ANTHRACENE	J	0.008	0.021	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.006	0.021	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.010	0.021	LOQ	mg/kg	
	CHRYSENE	J	0.007	0.021	LOQ	mg/kg	J (all detects)
	DIBENZO(A,H)ANTHRACENE	J	0.005	0.021	LOQ	mg/kg	
	FLUORANTHENE	J	0.009	0.021	LOQ	mg/kg	
	PYRENE	J	0.009	0.021	LOQ	mg/kg	
DU03-S002-00-01	BENZ(A)ANTHRACENE	J	0.005	0.022	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.004	0.022	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.007	0.022	LOQ	mg/kg	J (all detects)
	CHRYSENE	J	0.006	0.022	LOQ	mg/kg	
	FLUORANTHENE	J	0.007	0.022	LOQ	mg/kg	
	PYRENE	J	0.008	0.022	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU03-S002-00-01-X	3/4-Methylphenol [m/p-Cresol]	J	0.033	0.044	LOQ	mg/kg	J (all detects)
	BENZ(A)ANTHRACENE	J	0.009	0.022	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.007	0.022	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.01	0.022	LOQ	mg/kg	
	CHRYSENE	J	0.012	0.022	LOQ	mg/kg	
	FLUORANTHENE	J	0.012	0.022	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.006	0.022	LOQ	mg/kg	
	PHENANTHRENE	J	0.007	0.022	LOQ	mg/kg	
	PYRENE	J	0.013	0.022	LOQ	mg/kg	
DU03-S002-01-02	BENZO(B)FLUORANTHENE	J	0.008	0.029	LOQ	mg/kg	J (all detects)
	BENZO(K)FLUORANTHENE	J	0.008	0.029	LOQ	mg/kg	
	FLUORANTHENE	J	0.006	0.029	LOQ	mg/kg	
DU03-S002-01-02-X	FLUORANTHENE	J	0.009	0.029	LOQ	mg/kg	J (all detects)
	PYRENE	J	0.008	0.029	LOQ	mg/kg	
DU03-S003-00-01	ANTHRACENE	J	0.007	0.027	LOQ	mg/kg	J (all detects)
	BENZ(A)ANTHRACENE	J	0.011	0.027	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.012	0.027	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.011	0.027	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.014	0.027	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.011	0.027	LOQ	mg/kg	
	CHRYSENE	J	0.013	0.027	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.008	0.027	LOQ	mg/kg	
	PHENANTHRENE	J	0.020	0.027	LOQ	mg/kg	
	PYRENE	J	0.026	0.027	LOQ	mg/kg	
DU03-S003-00-01-X	BENZ(A)ANTHRACENE	J	0.013	0.027	LOQ	mg/kg	J (all detects)
	BENZO(A)PYRENE	J	0.011	0.027	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.018	0.027	LOQ	mg/kg	
	CHRYSENE	J	0.014	0.027	LOQ	mg/kg	
	FLUORANTHENE	J	0.022	0.027	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.008	0.027	LOQ	mg/kg	
	PHENANTHRENE	J	0.011	0.027	LOQ	mg/kg	
	PYRENE	J	0.020	0.027	LOQ	mg/kg	
DU03-S003-01-02	Benzo (g,h,i) perylene	J	0.009	0.033	LOQ	mg/kg	J (all detects)
	BENZO(K)FLUORANTHENE	J	0.007	0.033	LOQ	mg/kg	
DU03-S003-01-02-X	Benzo (g,h,i) perylene	J	0.013	0.033	LOQ	mg/kg	J (all detects)
	FLUORANTHENE	J	0.007	0.033	LOQ	mg/kg	
	PYRENE	J	0.008	0.033	LOQ	mg/kg	
DU03-S004-00-01	Benzo (g,h,i) perylene	J	0.006	0.023	LOQ	mg/kg	J (all detects)
	FLUORANTHENE	J	0.006	0.023	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.005	0.023	LOQ	mg/kg	
	PYRENE	J	0.005	0.023	LOQ	mg/kg	
DU03-S004-00-01-X	BENZ(A)ANTHRACENE	J	0.005	0.023	LOQ	mg/kg	J (all detects)
	BENZO(B)FLUORANTHENE	J	0.009	0.023	LOQ	mg/kg	
	BENZOIC ACID	J	0.55	0.68	LOQ	mg/kg	
	FLUORANTHENE	J	0.01	0.023	LOQ	mg/kg	
	PHENANTHRENE	J	0.007	0.023	LOQ	mg/kg	
	PYRENE	J	0.009	0.023	LOQ	mg/kg	
DU03-S004-01-02	BENZOIC ACID	J	0.31	0.87	LOQ	mg/kg	J (all detects)
	NAPHTHALENE	J	0.009	0.029	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU03-S004-01-02-X	BENZO(A)PYRENE	J	0.007	0.029	LOQ	mg/kg	J (all detects)
	BENZO(B)FLUORANTHENE	J	0.006	0.029	LOQ	mg/kg	
	BENZOIC ACID	J	0.71	0.86	LOQ	mg/kg	
	FLUORANTHENE	J	0.006	0.029	LOQ	mg/kg	
	PYRENE	J	0.009	0.029	LOQ	mg/kg	
DU03-S005-00-01	BENZ(A)ANTHRACENE	J	0.012	0.025	LOQ	mg/kg	J (all detects)
	Benzo (g,h,i) perylene	J	0.011	0.025	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.010	0.025	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.017	0.025	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.006	0.025	LOQ	mg/kg	
	CHRYSENE	J	0.011	0.025	LOQ	mg/kg	
	FLUORANTHENE	J	0.022	0.025	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.009	0.025	LOQ	mg/kg	
	PHENANTHRENE	J	0.013	0.025	LOQ	mg/kg	
	PYRENE	J	0.022	0.025	LOQ	mg/kg	
DU03-S005-00-01-X	BENZ(A)ANTHRACENE	J	0.023	0.049	LOQ	mg/kg	J (all detects)
	Benzo (g,h,i) perylene	J	0.018	0.049	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.026	0.049	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.026	0.049	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.020	0.049	LOQ	mg/kg	
	BENZOIC ACID	J	1.2	1.5	LOQ	mg/kg	
	CHRYSENE	J	0.026	0.049	LOQ	mg/kg	
	FLUORANTHENE	J	0.040	0.049	LOQ	mg/kg	
	PHENANTHRENE	J	0.028	0.049	LOQ	mg/kg	
	PYRENE	J	0.039	0.049	LOQ	mg/kg	
DU03-S005-01-02	3/4-Methylphenol [m/p-Cresol]	J	0.043	0.049	LOQ	mg/kg	J (all detects)
	BENZO(B)FLUORANTHENE	J	0.009	0.025	LOQ	mg/kg	
	BENZOIC ACID	J	0.38	0.73	LOQ	mg/kg	
	CHRYSENE	J	0.013	0.025	LOQ	mg/kg	
	FLUORANTHENE	J	0.012	0.025	LOQ	mg/kg	
	FLUORENE	J	0.007	0.025	LOQ	mg/kg	
	PHENANTHRENE	J	0.006	0.025	LOQ	mg/kg	
	PYRENE	J	0.007	0.025	LOQ	mg/kg	
DU03-S005-01-02-X	3/4-Methylphenol [m/p-Cresol]	J	0.049	0.096	LOQ	mg/kg	J (all detects)
	BENZO(B)FLUORANTHENE	J	0.010	0.049	LOQ	mg/kg	
	BENZOIC ACID	J	1.3	1.4	LOQ	mg/kg	
	CHRYSENE	J	0.013	0.049	LOQ	mg/kg	
	FLUORANTHENE	J	0.012	0.049	LOQ	mg/kg	
DU03-S006-00-01	BENZ(A)ANTHRACENE	J	0.006	0.030	LOQ	mg/kg	J (all detects)
	BENZO(B)FLUORANTHENE	J	0.012	0.030	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.009	0.030	LOQ	mg/kg	
	BENZOIC ACID	J	0.67	0.89	LOQ	mg/kg	
	CHRYSENE	J	0.014	0.030	LOQ	mg/kg	
	FLUORANTHENE	J	0.018	0.030	LOQ	mg/kg	
	FLUORENE	J	0.013	0.030	LOQ	mg/kg	
	NAPHTHALENE	J	0.007	0.030	LOQ	mg/kg	
	PHENANTHRENE	J	0.012	0.030	LOQ	mg/kg	
	PYRENE	J	0.014	0.030	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU03-S006-00-01-X	BENZ(A)ANTHRACENE	J	0.016	0.060	LOQ	mg/kg	J (all detects)
	Benzo (g,h,i) perylene	J	0.017	0.060	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.021	0.060	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.029	0.060	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.013	0.060	LOQ	mg/kg	
	BENZOIC ACID	J	1.6	1.8	LOQ	mg/kg	
	CHRYSENE	J	0.021	0.060	LOQ	mg/kg	
	FLUORANTHENE	J	0.028	0.060	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.019	0.060	LOQ	mg/kg	
	NAPHTHALENE	J	0.043	0.060	LOQ	mg/kg	
	PHENANTHRENE	J	0.022	0.060	LOQ	mg/kg	
	PYRENE	J	0.029	0.060	LOQ	mg/kg	
DU03-S006-01-02	BENZO(B)FLUORANTHENE	J	0.005	0.023	LOQ	mg/kg	J (all detects)
	FLUORANTHENE	J	0.008	0.023	LOQ	mg/kg	
	PHENANTHRENE	J	0.006	0.023	LOQ	mg/kg	
	PYRENE	J	0.008	0.023	LOQ	mg/kg	
DU03-S006-01-02-X	Benzo (g,h,i) perylene	J	0.01	0.046	LOQ	mg/kg	J (all detects)
	BENZOIC ACID	J	1.0	1.4	LOQ	mg/kg	
	BIS(2-ETHYLHEXYL) PHTHALATE	J	0.19	0.46	LOQ	mg/kg	
	CHRYSENE	J	0.011	0.046	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.01	0.046	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.011	0.046	LOQ	mg/kg	
DU03-S007-00-01	BENZOIC ACID	J	0.50	1.3	LOQ	mg/kg	J (all detects)
	FLUORANTHENE	J	0.014	0.044	LOQ	mg/kg	
	NAPHTHALENE	J	0.023	0.044	LOQ	mg/kg	
	PYRENE	J	0.01	0.044	LOQ	mg/kg	
DU03-S007-01-02	3/4-Methylphenol [m/p-Cresol]	J	0.060	0.066	LOQ	mg/kg	J (all detects)
	BENZALDEHYDE	J	0.30	0.33	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.016	0.034	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.018	0.034	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.008	0.034	LOQ	mg/kg	
	BENZOIC ACID	J	0.58	0.99	LOQ	mg/kg	
	CHRYSENE	J	0.010	0.034	LOQ	mg/kg	
	FLUORANTHENE	J	0.020	0.034	LOQ	mg/kg	
	FLUORENE	J	0.020	0.034	LOQ	mg/kg	
	PHENANTHRENE	J	0.014	0.034	LOQ	mg/kg	
	PYRENE	J	0.021	0.034	LOQ	mg/kg	
DU03-S008-00-01	BENZALDEHYDE	J	0.14	0.19	LOQ	mg/kg	J (all detects)
	BENZO(B)FLUORANTHENE	J	0.008	0.020	LOQ	mg/kg	
	BENZOIC ACID	J	0.34	0.58	LOQ	mg/kg	
	CHRYSENE	J	0.005	0.020	LOQ	mg/kg	
	FLUORANTHENE	J	0.010	0.020	LOQ	mg/kg	
	FLUORENE	J	0.010	0.020	LOQ	mg/kg	
	NAPHTHALENE	J	0.016	0.020	LOQ	mg/kg	
	PHENANTHRENE	J	0.007	0.020	LOQ	mg/kg	
	PYRENE	J	0.008	0.020	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU03-S008-01-02	3/4-Methylphenol [m/p-Cresol]	J	0.047	0.076	LOQ	mg/kg	J (all detects)
	BENZ(A)ANTHRACENE	J	0.014	0.039	LOQ	mg/kg	
	BENZALDEHYDE	J	0.30	0.38	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.012	0.039	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.019	0.039	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.011	0.039	LOQ	mg/kg	
	BENZOIC ACID	J	0.77	1.1	LOQ	mg/kg	
	CHRYSENE	J	0.016	0.039	LOQ	mg/kg	
	FLUORANTHENE	J	0.025	0.039	LOQ	mg/kg	
	FLUORENE	J	0.032	0.039	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.01	0.039	LOQ	mg/kg	
	PYRENE	J	0.022	0.039	LOQ	mg/kg	
DU03-S009-00-01	BENZ(A)ANTHRACENE	J	0.006	0.022	LOQ	mg/kg	J (all detects)
	BENZO(A)PYRENE	J	0.007	0.022	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.010	0.022	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.005	0.022	LOQ	mg/kg	
	CHRYSENE	J	0.008	0.022	LOQ	mg/kg	
	FLUORANTHENE	J	0.015	0.022	LOQ	mg/kg	
	PHENANTHRENE	J	0.008	0.022	LOQ	mg/kg	
	PYRENE	J	0.015	0.022	LOQ	mg/kg	
DU03-S009-00-01-X	3/4-Methylphenol [m/p-Cresol]	J	0.034	0.043	LOQ	mg/kg	J (all detects)
	BENZ(A)ANTHRACENE	J	0.007	0.022	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.007	0.022	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.012	0.022	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.006	0.022	LOQ	mg/kg	
	BENZOIC ACID	J	0.55	0.65	LOQ	mg/kg	
	CHRYSENE	J	0.008	0.022	LOQ	mg/kg	
	FLUORANTHENE	J	0.013	0.022	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.006	0.022	LOQ	mg/kg	
	PHENANTHRENE	J	0.007	0.022	LOQ	mg/kg	
	PYRENE	J	0.012	0.022	LOQ	mg/kg	
DU03-S009-01-02-X	BENZOIC ACID	J	0.94	1.3	LOQ	mg/kg	J (all detects)
DU03-S010-00-01	Benzo (g,h,i) perylene	J	0.007	0.024	LOQ	mg/kg	J (all detects)
	CHRYSENE	J	0.008	0.024	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.009	0.024	LOQ	mg/kg	
	FLUORANTHENE	J	0.012	0.024	LOQ	mg/kg	
	PHENANTHRENE	J	0.006	0.024	LOQ	mg/kg	
	PYRENE	J	0.010	0.024	LOQ	mg/kg	
DU03-S011-00-01	BENZO(B)FLUORANTHENE	J	0.008	0.035	LOQ	mg/kg	J (all detects)
	FLUORANTHENE	J	0.01	0.035	LOQ	mg/kg	
	NAPHTHALENE	J	0.012	0.035	LOQ	mg/kg	
DU03-S011-01-02	3/4-Methylphenol [m/p-Cresol]	J	0.041	0.060	LOQ	mg/kg	J (all detects)
	BENZO(B)FLUORANTHENE	J	0.007	0.031	LOQ	mg/kg	
DU03-S012-00-01	NAPHTHALENE	J	0.011	0.028	LOQ	mg/kg	J (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU03-S012-01-02	ANTHRACENE	J	0.008	0.024	LOQ	mg/kg	
	BENZ(A)ANTHRACENE	J	0.015	0.024	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.015	0.024	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.015	0.024	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.011	0.024	LOQ	mg/kg	J (all detects)
	CHRYSENE	J	0.020	0.024	LOQ	mg/kg	
	FLUORENE	J	0.008	0.024	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.013	0.024	LOQ	mg/kg	
	NAPHTHALENE	J	0.008	0.024	LOQ	mg/kg	
DU03-S013-00-01	2-METHYLNAPHTHALENE	J	0.006	0.025	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.014	0.025	LOQ	mg/kg	
	ANTHRACENE	J	0.017	0.025	LOQ	mg/kg	J (all detects)
	BENZALDEHYDE	J	0.20	0.25	LOQ	mg/kg	
	BENZOIC ACID	J	0.72	0.75	LOQ	mg/kg	
	NAPHTHALENE	J	0.009	0.025	LOQ	mg/kg	
DU03-S013-00-01-X	2-METHYLNAPHTHALENE	J	0.006	0.025	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.015	0.025	LOQ	mg/kg	
	ANTHRACENE	J	0.019	0.025	LOQ	mg/kg	J (all detects)
	FLUORENE	J	0.011	0.025	LOQ	mg/kg	
	NAPHTHALENE	J	0.012	0.025	LOQ	mg/kg	
DU03-S013-01-02	BENZOIC ACID	J	0.27	0.68	LOQ	mg/kg	
	FLUORANTHENE	J	0.009	0.023	LOQ	mg/kg	J (all detects)
	PYRENE	J	0.009	0.023	LOQ	mg/kg	
DU03-S013-01-02-X	BENZ(A)ANTHRACENE	J	0.007	0.023	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.010	0.023	LOQ	mg/kg	
	CHRYSENE	J	0.006	0.023	LOQ	mg/kg	J (all detects)
	FLUORANTHENE	J	0.011	0.023	LOQ	mg/kg	
	PYRENE	J	0.012	0.023	LOQ	mg/kg	
DU03-S014-00-01	BENZ(A)ANTHRACENE	J	0.007	0.021	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.009	0.021	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.012	0.021	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.012	0.021	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.007	0.021	LOQ	mg/kg	J (all detects)
	CHRYSENE	J	0.009	0.021	LOQ	mg/kg	
	FLUORANTHENE	J	0.019	0.021	LOQ	mg/kg	
	PHENANTHRENE	J	0.013	0.021	LOQ	mg/kg	
	PYRENE	J	0.014	0.021	LOQ	mg/kg	
DU03-S014-00-01-X	BENZ(A)ANTHRACENE	J	0.01	0.021	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.013	0.021	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.010	0.021	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.017	0.021	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.007	0.021	LOQ	mg/kg	
	CHRYSENE	J	0.013	0.021	LOQ	mg/kg	J (all detects)
	FLUORANTHENE	J	0.019	0.021	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.011	0.021	LOQ	mg/kg	
	NAPHTHALENE	J	0.006	0.021	LOQ	mg/kg	
	PHENANTHRENE	J	0.011	0.021	LOQ	mg/kg	
	PYRENE	J	0.016	0.021	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU03-S014-01-02	BENZO(B)FLUORANTHENE	J	0.004	0.020	LOQ	mg/kg	
	BENZOIC ACID	J	0.28	0.59	LOQ	mg/kg	
	CHRYSENE	J	0.004	0.020	LOQ	mg/kg	J (all detects)
	FLUORANTHENE	J	0.006	0.020	LOQ	mg/kg	
	PHENANTHRENE	J	0.007	0.020	LOQ	mg/kg	
	PYRENE	J	0.008	0.020	LOQ	mg/kg	
DU03-S015-00-01	2-METHYLNAPHTHALENE	J	0.005	0.020	LOQ	mg/kg	
	ANTHRACENE	J	0.006	0.020	LOQ	mg/kg	
	BENZ(A)ANTHRACENE	J	0.007	0.020	LOQ	mg/kg	
	BENZALDEHYDE	J	0.084	0.19	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.010	0.020	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.012	0.020	LOQ	mg/kg	
	BENZOIC ACID	J	0.54	0.58	LOQ	mg/kg	J (all detects)
	CHRYSENE	J	0.011	0.020	LOQ	mg/kg	
	FLUORANTHENE	J	0.019	0.020	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.008	0.020	LOQ	mg/kg	
	NAPHTHALENE	J	0.012	0.020	LOQ	mg/kg	
	PHENANTHRENE	J	0.013	0.020	LOQ	mg/kg	
	PYRENE	J	0.015	0.020	LOQ	mg/kg	
DU03-S015-01-02	CHRYSENE	J	0.005	0.020	LOQ	mg/kg	
	FLUORANTHENE	J	0.004	0.020	LOQ	mg/kg	
	NAPHTHALENE	J	0.019	0.020	LOQ	mg/kg	J (all detects)
	PHENANTHRENE	J	0.004	0.020	LOQ	mg/kg	
	PYRENE	J	0.006	0.020	LOQ	mg/kg	
DU03-S016-00-01	3/4-Methylphenol [m/p-Cresol]	J	0.037	0.055	LOQ	mg/kg	
	ANTHRACENE	J	0.009	0.028	LOQ	mg/kg	
	BENZ(A)ANTHRACENE	J	0.015	0.028	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.016	0.028	LOQ	mg/kg	J (all detects)
	BENZO(B)FLUORANTHENE	J	0.024	0.028	LOQ	mg/kg	
	CHRYSENE	J	0.023	0.028	LOQ	mg/kg	
	PHENANTHRENE	J	0.020	0.028	LOQ	mg/kg	
DU03-S016-01-02	BENZO(B)FLUORANTHENE	J	0.012	0.035	LOQ	mg/kg	
	CHRYSENE	J	0.011	0.035	LOQ	mg/kg	
	FLUORANTHENE	J	0.017	0.035	LOQ	mg/kg	J (all detects)
	PHENANTHRENE	J	0.007	0.035	LOQ	mg/kg	
	PYRENE	J	0.015	0.035	LOQ	mg/kg	

Method: 8270D SIM

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU03-S001-00-01	2-METHYLNAPHTHALENE	J	0.0019	0.0023	LOQ	mg/kg	
	ACENAPHTHENE	J	0.0014	0.0023	LOQ	mg/kg	J (all detects)
	DIBENZO(A,H)ANTHRACENE	J	0.0010	0.0023	LOQ	mg/kg	
	FLUORENE	J	0.0012	0.0023	LOQ	mg/kg	
DU03-S001-01-02	BENZO(B)FLUORANTHENE	J	0.0011	0.0020	LOQ	mg/kg	
	CHRYSENE	J	0.00069	0.0020	LOQ	mg/kg	J (all detects)
	FLUORANTHENE	J	0.0013	0.0020	LOQ	mg/kg	
	PYRENE	J	0.0010	0.0020	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D SIM

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU03-S001-01-02D	BENZ(A)ANTHRACENE	J	0.00082	0.0020	LOQ	mg/kg	J (all detects)
	BENZO(A)PYRENE	J	0.00082	0.0020	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.0013	0.0020	LOQ	mg/kg	
	CHRYSENE	J	0.00086	0.0020	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.0014	0.0020	LOQ	mg/kg	
	FLUORANTHENE	J	0.0017	0.0020	LOQ	mg/kg	
	PHENANTHRENE	J	0.0011	0.0020	LOQ	mg/kg	
	PYRENE	J	0.0014	0.0020	LOQ	mg/kg	
DU03-S002-00-01	1-METHYLNAPHTHALENE	J	0.0012	0.0022	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.0021	0.0022	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.0011	0.0022	LOQ	mg/kg	
	ANTHRACENE	J	0.00061	0.0022	LOQ	mg/kg	
	BENZ(A)ANTHRACENE	J	0.0020	0.0022	LOQ	mg/kg	
	BENZO(G,H,I)PERYLENE	J	0.00091	0.0022	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.0015	0.0022	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.0010	0.0022	LOQ	mg/kg	
	NAPHTHALENE	J	0.0013	0.0022	LOQ	mg/kg	
DU03-S002-01-02	ACENAPHTHYLENE	J	0.0013	0.0028	LOQ	mg/kg	J (all detects)
	ANTHRACENE	J	0.0015	0.0028	LOQ	mg/kg	
	BENZ(A)ANTHRACENE	J	0.0019	0.0028	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.0021	0.0028	LOQ	mg/kg	
	BENZO(G,H,I)PERYLENE	J	0.0012	0.0028	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.0016	0.0028	LOQ	mg/kg	
	CHRYSENE	J	0.0023	0.0028	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.0013	0.0028	LOQ	mg/kg	
	NAPHTHALENE	J	0.0013	0.0028	LOQ	mg/kg	
	PHENANTHRENE	J	0.0027	0.0028	LOQ	mg/kg	
DU03-S003-00-01	1-METHYLNAPHTHALENE	J	0.0012	0.0027	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.0012	0.0027	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.0018	0.0027	LOQ	mg/kg	
	FLUORENE	J	0.0011	0.0027	LOQ	mg/kg	
	NAPHTHALENE	J	0.0022	0.0027	LOQ	mg/kg	
DU03-S003-01-02	ACENAPHTHYLENE	J	0.0016	0.0032	LOQ	mg/kg	J (all detects)
	ANTHRACENE	J	0.0016	0.0032	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.0029	0.0032	LOQ	mg/kg	
	CHRYSENE	J	0.0013	0.0032	LOQ	mg/kg	
	FLUORANTHENE	J	0.0031	0.0032	LOQ	mg/kg	
	PHENANTHRENE	J	0.0019	0.0032	LOQ	mg/kg	
	PYRENE	J	0.0021	0.0032	LOQ	mg/kg	
DU03-S004-00-01	ACENAPHTHYLENE	J	0.00055	0.0023	LOQ	mg/kg	J (all detects)
	ANTHRACENE	J	0.00056	0.0023	LOQ	mg/kg	
	BENZ(A)ANTHRACENE	J	0.0013	0.0023	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.0015	0.0023	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.0011	0.0023	LOQ	mg/kg	
	CHRYSENE	J	0.0019	0.0023	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.0011	0.0023	LOQ	mg/kg	
	PHENANTHRENE	J	0.0015	0.0023	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**

Matrix: **SOIL**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
DU03-S004-01-02	ACENAPHTHYLENE	J	0.00091	0.0029	LOQ	mg/kg	J (all detects)
	ANTHRACENE	J	0.0015	0.0029	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.0019	0.0029	LOQ	mg/kg	
	CHRYSENE	J	0.0010	0.0029	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.0016	0.0029	LOQ	mg/kg	
	FLUORANTHENE	J	0.0023	0.0029	LOQ	mg/kg	
	PHENANTHRENE	J	0.0017	0.0029	LOQ	mg/kg	
	PYRENE	J	0.0016	0.0029	LOQ	mg/kg	
DU03-S005-00-01	ACENAPHTHYLENE	J	0.0013	0.0024	LOQ	mg/kg	J (all detects)
	FLUORENE	J	0.0012	0.0024	LOQ	mg/kg	
	NAPHTHALENE	J	0.0011	0.0024	LOQ	mg/kg	
DU03-S005-01-02	ACENAPHTHYLENE	J	0.00083	0.0024	LOQ	mg/kg	J (all detects)
	ANTHRACENE	J	0.00055	0.0024	LOQ	mg/kg	
	BENZ(A)ANTHRACENE	J	0.0019	0.0024	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.0015	0.0024	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.0014	0.0024	LOQ	mg/kg	
DU03-S006-00-01	1-METHYLNAPHTHALENE	J	0.0013	0.0030	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.0013	0.0030	LOQ	mg/kg	
	ANTHRACENE	J	0.0024	0.0030	LOQ	mg/kg	
	BENZO(G,H,I)PERYLENE	J	0.0017	0.0030	LOQ	mg/kg	
	FLUORENE	J	0.0016	0.0030	LOQ	mg/kg	
	NAPHTHALENE	J	0.0026	0.0030	LOQ	mg/kg	
DU03-S006-01-02	BENZ(A)ANTHRACENE	J	0.00094	0.0023	LOQ	mg/kg	J (all detects)
	BENZO(B)FLUORANTHENE	J	0.0020	0.0023	LOQ	mg/kg	
	CHRYSENE	J	0.0015	0.0023	LOQ	mg/kg	
	PHENANTHRENE	J	0.0015	0.0023	LOQ	mg/kg	
	PYRENE	J	0.0021	0.0023	LOQ	mg/kg	
DU03-S007-00-01	2-METHYLNAPHTHALENE	J	0.0019	0.0043	LOQ	mg/kg	J (all detects)
	ACENAPHTHENE	J	0.0033	0.0043	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.0021	0.0043	LOQ	mg/kg	
	ANTHRACENE	J	0.0020	0.0043	LOQ	mg/kg	
	BENZ(A)ANTHRACENE	J	0.0019	0.0043	LOQ	mg/kg	
	CHRYSENE	J	0.0042	0.0043	LOQ	mg/kg	
	FLUORENE	J	0.0042	0.0043	LOQ	mg/kg	
DU03-S007-01-02	1-METHYLNAPHTHALENE	J	0.0017	0.0033	LOQ	mg/kg	J (all detects)
	ACENAPHTHYLENE	J	0.0023	0.0033	LOQ	mg/kg	
	BENZO(G,H,I)PERYLENE	J	0.0022	0.0033	LOQ	mg/kg	
	FLUORENE	J	0.0018	0.0033	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.0025	0.0033	LOQ	mg/kg	
	NAPHTHALENE	J	0.0031	0.0033	LOQ	mg/kg	
DU03-S008-00-01	2-METHYLNAPHTHALENE	J	0.0012	0.0019	LOQ	mg/kg	J (all detects)
	BENZO(G,H,I)PERYLENE	J	0.0014	0.0019	LOQ	mg/kg	
	FLUORENE	J	0.00081	0.0019	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.0016	0.0019	LOQ	mg/kg	
DU03-S008-01-02	1-METHYLNAPHTHALENE	J	0.0026	0.0038	LOQ	mg/kg	J (all detects)
	ACENAPHTHYLENE	J	0.0029	0.0038	LOQ	mg/kg	
	FLUORENE	J	0.0025	0.0038	LOQ	mg/kg	
	NAPHTHALENE	J	0.0033	0.0038	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D SIM

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU03-S009-00-01	2-METHYLNAPHTHALENE	J	0.0011	0.0022	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.0013	0.0022	LOQ	mg/kg	
	ANTHRACENE	J	0.0012	0.0022	LOQ	mg/kg	
	BENZO(G,H,I)PERYLENE	J	0.0018	0.0022	LOQ	mg/kg	J (all detects)
	DIBENZO(A,H)ANTHRACENE	J	0.0011	0.0022	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.0021	0.0022	LOQ	mg/kg	
	NAPHTHALENE	J	0.0013	0.0022	LOQ	mg/kg	
DU03-S009-01-02	BENZO(B)FLUORANTHENE	J	0.0012	0.0022	LOQ	mg/kg	
	CHRYSENE	J	0.00075	0.0022	LOQ	mg/kg	J (all detects)
	FLUORANTHENE	J	0.0012	0.0022	LOQ	mg/kg	
	PYRENE	J	0.0010	0.0022	LOQ	mg/kg	
DU03-S010-00-01	ACENAPHTHYLENE	J	0.0016	0.0023	LOQ	mg/kg	
	ANTHRACENE	J	0.0012	0.0023	LOQ	mg/kg	
	BENZO(G,H,I)PERYLENE	J	0.0012	0.0023	LOQ	mg/kg	J (all detects)
	BENZO(K)FLUORANTHENE	J	0.0021	0.0023	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.0014	0.0023	LOQ	mg/kg	
	NAPHTHALENE	J	0.0013	0.0023	LOQ	mg/kg	
DU03-S010-01-02	2-METHYLNAPHTHALENE	J	0.0012	0.0022	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.00051	0.0022	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.0017	0.0022	LOQ	mg/kg	
	CHRYSENE	J	0.0013	0.0022	LOQ	mg/kg	J (all detects)
	FLUORANTHENE	J	0.0016	0.0022	LOQ	mg/kg	
	PHENANTHRENE	J	0.0011	0.0022	LOQ	mg/kg	
	PYRENE	J	0.0012	0.0022	LOQ	mg/kg	
DU03-S011-00-01	1-METHYLNAPHTHALENE	J	0.0020	0.0034	LOQ	mg/kg	
	2-METHYLNAPHTHALENE	J	0.0033	0.0034	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.00077	0.0034	LOQ	mg/kg	
	ANTHRACENE	J	0.0011	0.0034	LOQ	mg/kg	J (all detects)
	BENZ(A)ANTHRACENE	J	0.0020	0.0034	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.0025	0.0034	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.0028	0.0034	LOQ	mg/kg	
	CHRYSENE	J	0.0033	0.0034	LOQ	mg/kg	
DU03-S011-01-02	ACENAPHTHYLENE	J	0.0015	0.0030	LOQ	mg/kg	
	BENZ(A)ANTHRACENE	J	0.0018	0.0030	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.0025	0.0030	LOQ	mg/kg	
	BENZO(G,H,I)PERYLENE	J	0.0013	0.0030	LOQ	mg/kg	J (all detects)
	INDENO(1,2,3-CD)PYRENE	J	0.0013	0.0030	LOQ	mg/kg	
	PHENANTHRENE	J	0.0024	0.0030	LOQ	mg/kg	
	PYRENE	J	0.0025	0.0030	LOQ	mg/kg	
DU03-S012-00-01	1-METHYLNAPHTHALENE	J	0.0014	0.0027	LOQ	mg/kg	
	2-METHYLNAPHTHALENE	J	0.0019	0.0027	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.00064	0.0027	LOQ	mg/kg	
	ANTHRACENE	J	0.0011	0.0027	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.0022	0.0027	LOQ	mg/kg	J (all detects)
	BENZO(B)FLUORANTHENE	J	0.0020	0.0027	LOQ	mg/kg	
	CHRYSENE	J	0.0012	0.0027	LOQ	mg/kg	
	FLUORANTHENE	J	0.0025	0.0027	LOQ	mg/kg	
	PYRENE	J	0.0023	0.0027	LOQ	mg/kg	
DU03-S012-01-02	1-METHYLNAPHTHALENE	J	0.0012	0.0023	LOQ	mg/kg	
	2-METHYLNAPHTHALENE	J	0.0020	0.0023	LOQ	mg/kg	J (all detects)
	ACENAPHTHYLENE	J	0.0021	0.0023	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.0015	0.0023	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**

Matrix: **SOIL**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
DU03-S013-00-01	1-METHYLNAPHTHALENE	J	0.0020	0.0025	LOQ	mg/kg	J (all detects)
	ACENAPHTHENE	J	0.0015	0.0025	LOQ	mg/kg	
	FLUORENE	J	0.0022	0.0025	LOQ	mg/kg	
DU03-S013-01-02	2-METHYLNAPHTHALENE	J	0.00098	0.0023	LOQ	mg/kg	J (all detects)
	ACENAPHTHYLENE	J	0.0010	0.0023	LOQ	mg/kg	
	ANTHRACENE	J	0.00095	0.0023	LOQ	mg/kg	
	BENZO(G,H,I)PERYLENE	J	0.0015	0.0023	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.0018	0.0023	LOQ	mg/kg	
DU03-S014-00-01	2-METHYLNAPHTHALENE	J	0.0012	0.0020	LOQ	mg/kg	J (all detects)
	ANTHRACENE	J	0.0019	0.0020	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.0016	0.0020	LOQ	mg/kg	
DU03-S014-01-02	ACENAPHTHYLENE	J	0.00052	0.0020	LOQ	mg/kg	J (all detects)
	ANTHRACENE	J	0.00082	0.0020	LOQ	mg/kg	
	BENZO(G,H,I)PERYLENE	J	0.0010	0.0020	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.0013	0.0020	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.0011	0.0020	LOQ	mg/kg	
	NAPHTHALENE	J	0.0010	0.0020	LOQ	mg/kg	
DU03-S015-00-01	1-METHYLNAPHTHALENE	J	0.0015	0.0019	LOQ	mg/kg	J (all detects)
	ACENAPHTHYLENE	J	0.0011	0.0019	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.00086	0.0019	LOQ	mg/kg	
	FLUORENE	J	0.00093	0.0019	LOQ	mg/kg	
DU03-S015-01-02	1-METHYLNAPHTHALENE	J	0.00078	0.0019	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.0016	0.0019	LOQ	mg/kg	
	ANTHRACENE	J	0.00054	0.0019	LOQ	mg/kg	
	BENZ(A)ANTHRACENE	J	0.0012	0.0019	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.0012	0.0019	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.00084	0.0019	LOQ	mg/kg	
	CHRYSENE	J	0.0014	0.0019	LOQ	mg/kg	
DU03-S016-00-01	1-METHYLNAPHTHALENE	J	0.0013	0.0028	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.0015	0.0028	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.0016	0.0028	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.0011	0.0028	LOQ	mg/kg	
	FLUORENE	J	0.0017	0.0028	LOQ	mg/kg	
	NAPHTHALENE	J	0.0018	0.0028	LOQ	mg/kg	
DU03-S016-01-02	1-METHYLNAPHTHALENE	J	0.0017	0.0034	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.0017	0.0034	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.0013	0.0034	LOQ	mg/kg	
	ANTHRACENE	J	0.0022	0.0034	LOQ	mg/kg	
	BENZO(G,H,I)PERYLENE	J	0.0022	0.0034	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.0032	0.0034	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.0025	0.0034	LOQ	mg/kg	
	NAPHTHALENE	J	0.0022	0.0034	LOQ	mg/kg	

Method Blank Outlier Report

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**
Matrix: **SOIL**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P17463HB174063708	7/13/2017 8:14:00 PM	ZINC	0.905 mg/kg	DU03-S001-00-01 DU03-S002-00-01 DU03-S003-00-01 DU03-S004-00-01 DU03-S005-00-01 DU03-S006-00-01 DU03-S007-00-01 DU03-S008-00-01 DU03-S009-00-01 DU03-S010-00-01 DU03-S011-00-01 DU03-S012-00-01 DU03-S013-00-01 DU03-S014-00-01 DU03-S015-00-01 DU03-S016-00-01

Equipment Rinsate Blank Outlier Report

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**
Matrix: **SOIL**

Equipment Blank Sample ID	Collected Date	Analyte	Result	Associated Samples
EB-SO061517-02(Initial/TOT)	6/15/2017 11:30:00 AM	NAPHTHALENE	0.11 ug/l	DU03-S001-00-01 DU03-S001-00-01-X DU03-S001-01-02 DU03-S001-01-02D DU03-S001-01-02D-X DU03-S001-01-02-X DU03-S002-00-01 DU03-S002-00-01-X DU03-S002-01-02 DU03-S002-01-02-X DU03-S003-00-01 DU03-S003-00-01-X DU03-S003-01-02 DU03-S003-01-02-X DU03-S004-00-01 DU03-S004-00-01-X DU03-S004-01-02 DU03-S004-01-02-X DU03-S005-00-01 DU03-S005-00-01-X DU03-S005-01-02 DU03-S005-01-02-X DU03-S006-00-01 DU03-S006-00-01-X DU03-S006-01-02 DU03-S006-01-02-X DU03-S009-00-01 DU03-S009-00-01-X DU03-S009-01-02 DU03-S009-01-02-X DU03-S010-00-01 DU03-S010-01-02 DU03-S013-00-01-X DU03-S013-01-02 DU03-S013-01-02-X DU03-S014-00-01 DU03-S014-00-01-X DU03-S014-01-02 DU03-S015-00-01 DU03-S015-01-02

Equipment Rinsate Blank Outlier Report

Lab Reporting Batch ID: APP38 **Laboratory: LLL**

EDD Filename: APP38-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**
Matrix: **SOIL**

Equipment Blank Sample ID	Collected Date	Analyte	Result	Associated Samples
EB-SO061517-02 (Reanalysis-01/TOT/TOT)	6/15/2017 11:30:00 AM	NAPHTHALENE	0.2 ug/l	DU03-S001-00-01 DU03-S001-00-01-X DU03-S001-01-02 DU03-S001-01-02D DU03-S001-01-02D-X DU03-S001-01-02-X DU03-S002-00-01 DU03-S002-00-01-X DU03-S002-01-02 DU03-S002-01-02-X DU03-S003-00-01 DU03-S003-00-01-X DU03-S003-01-02 DU03-S003-01-02-X DU03-S004-00-01 DU03-S004-00-01-X DU03-S004-01-02 DU03-S004-01-02-X DU03-S005-00-01 DU03-S005-00-01-X DU03-S005-01-02 DU03-S005-01-02-X DU03-S006-00-01 DU03-S006-00-01-X DU03-S006-01-02 DU03-S006-01-02-X DU03-S009-00-01 DU03-S009-00-01-X DU03-S009-01-02 DU03-S009-01-02-X DU03-S010-00-01 DU03-S010-01-02 DU03-S013-00-01-X DU03-S013-01-02 DU03-S013-01-02-X DU03-S014-00-01 DU03-S014-00-01-X DU03-S014-01-02 DU03-S015-00-01 DU03-S015-01-02

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
DU03-S014-01-02(Initial)	NAPHTHALENE	0.0010 mg/kg	0.0020U mg/kg

Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page 1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.	
Laboratory SDG:	APP39	
Date(s) of Collection:	June 15th, 2017	
Number/Type Samples & Analyses:	32 soil samples plus 2 MS/MSD and 4 field duplicates for a project-specific list of PCBs, hexavalent chromium and metals	
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA	
Completed:	August 9th, 2017	

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for soil data included in Sample Delivery Group (SDG) APP39. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017.

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✓ Holding times and sample preservation

✗ Laboratory method blank data

✓ Field rinsate blank data

NA Trip blank data

✓ Laboratory control sample (LCS) recoveries

✗ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✓ Surrogate recoveries

✗ Laboratory duplicate results

✓ Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of "J" data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
J+	The result is an estimated quantity, but the result may be biased high.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP39 **Laboratory: LLL**

EDD Filename: APP39-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Validation Area	*Note*
Technical Holding Times	A
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	SR
Surrogate/Tracer Spikes	A
Matrix Spike/Matrix Spike Duplicates	SR
Laboratory Duplicates	SR
Laboratory Replicates	N
Laboratory Control Samples	A
Compound Quantitation	SR
Field Duplicates	A
Field Triplicates	N
Field Blanks	A

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP39 **Laboratory: LLL**

EDD Filename: APP39-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SOIL**

Sample ID: **DU15-S001-00-01** ***Collected:*** **6/15/2017 10:55:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0427	J	0.0911	LOD	0.182	LOQ	mg/kg	J	RI
SODIUM	40.9	J	18.2	LOD	72.9	LOQ	mg/kg	J	RI
THALLIUM	0.0778	J	0.0456	LOD	0.182	LOQ	mg/kg	J	RI
ZINC	5.49		2.73	LOD	5.47	LOQ	mg/kg	U	Mb
SILVER	0.0349	J	0.0456	LOD	0.182	LOQ	mg/kg	J	RI

Sample ID: **DU15-S002-00-01** ***Collected:*** **6/15/2017 10:45:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.191	J	0.185	LOD	0.739	LOQ	mg/kg	J	RI
SODIUM	67.9	J	18.5	LOD	73.9	LOQ	mg/kg	J	RI
THALLIUM	0.0601	J	0.0462	LOD	0.185	LOQ	mg/kg	J	RI

Sample ID: **DU15-S003-00-01** ***Collected:*** **6/15/2017 10:35:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.129	J	0.0292	LOD	0.234	LOQ	mg/kg	J	RI
CADMIUM	0.0510	J	0.117	LOD	0.234	LOQ	mg/kg	J	RI
COBALT	0.188	J	0.117	LOD	0.234	LOQ	mg/kg	J	RI
COPPER	0.875	J	0.234	LOD	0.936	LOQ	mg/kg	J	RI
NICKEL	0.892	J	0.234	LOD	0.936	LOQ	mg/kg	J	RI
SELENIUM	0.726	J	0.234	LOD	0.936	LOQ	mg/kg	J	RI
SILVER	0.0441	J	0.0585	LOD	0.234	LOQ	mg/kg	J	RI
THALLIUM	0.0426	J	0.0585	LOD	0.234	LOQ	mg/kg	J	RI
ZINC	4.22	J	3.51	LOD	7.02	LOQ	mg/kg	U	Mb

Sample ID: **DU15-S004-00-01** ***Collected:*** **6/15/2017 10:25:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.0856	J	0.167	LOD	0.334	LOQ	mg/kg	J	RI
SELENIUM	0.151	J	0.167	LOD	0.669	LOQ	mg/kg	J	RI
THALLIUM	0.0385	J	0.0418	LOD	0.167	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP39 **Laboratory: LLL**

EDD Filename: APP39-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU15-S005-00-01 **Collected:** 6/15/2017 10:15:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.798	J	0.558	LOD	1.12	LOQ	mg/kg	J	RI
BERYLLIUM	0.0871	J	0.0349	LOD	0.279	LOQ	mg/kg	J	RI
CADMIUM	0.0515	J	0.139	LOD	0.279	LOQ	mg/kg	J	RI
COBALT	0.262	J	0.139	LOD	0.279	LOQ	mg/kg	J	RI
NICKEL	1.00	J	0.279	LOD	1.12	LOQ	mg/kg	J	RI
SELENIUM	0.929	J	0.279	LOD	1.12	LOQ	mg/kg	J	RI
THALLIUM	0.0390	J	0.0697	LOD	0.279	LOQ	mg/kg	J	RI
ZINC	4.21	J	4.18	LOD	8.37	LOQ	mg/kg	U	Mb

Sample ID: DU15-S006-00-01 **Collected:** 6/15/2017 10:05:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.407	J	0.460	LOD	0.921	LOQ	mg/kg	J	RI
ARSENIC	1.46	J	0.921	LOD	1.84	LOQ	mg/kg	J	RI
BERYLLIUM	0.128	J	0.0576	LOD	0.460	LOQ	mg/kg	J	RI
CADMIUM	0.135	J	0.230	LOD	0.460	LOQ	mg/kg	J	RI
SILVER	0.145	J	0.115	LOD	0.460	LOQ	mg/kg	J	RI

Sample ID: DU15-S007-00-01 **Collected:** 6/15/2017 9:55:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.30	J	0.744	LOD	1.49	LOQ	mg/kg	J	RI
BERYLLIUM	0.144	J	0.0465	LOD	0.372	LOQ	mg/kg	J	RI
CADMIUM	0.132	J	0.186	LOD	0.372	LOQ	mg/kg	J	RI
SELENIUM	0.881	J	0.372	LOD	1.49	LOQ	mg/kg	J	RI
SILVER	0.0755	J	0.0930	LOD	0.372	LOQ	mg/kg	J	RI
THALLIUM	0.0494	J	0.0930	LOD	0.372	LOQ	mg/kg	J	RI

Sample ID: DU15-S008-00-01 **Collected:** 6/15/2017 9:45:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.583	J	0.468	LOD	0.936	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP39 **Laboratory: LLL**

EDD Filename: APP39-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU15-S008-00-01 **Collected:** 6/15/2017 9:45:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SILVER	0.103	J	0.117	LOD	0.468	LOQ	mg/kg	J	Rl
THALLIUM	0.0743	J	0.117	LOD	0.468	LOQ	mg/kg	J	Rl

Sample ID: DU15-S009-00-01 **Collected:** 6/15/2017 8:30:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.370	J	0.767	LOD	1.53	LOQ	mg/kg	J	Rl
ARSENIC	1.57	J	1.53	LOD	3.07	LOQ	mg/kg	J	Rl
BERYLLIUM	0.357	J	0.0959	LOD	0.767	LOQ	mg/kg	J	Rl
CADMIUM	0.243	J	0.383	LOD	0.767	LOQ	mg/kg	J	Rl
COBALT	0.655	J	0.383	LOD	0.767	LOQ	mg/kg	J	Rl
SELENIUM	1.90	J	0.767	LOD	3.07	LOQ	mg/kg	J	Rl
SILVER	0.116	J	0.192	LOD	0.767	LOQ	mg/kg	J	Rl

Sample ID: DU15-S010-00-01 **Collected:** 6/15/2017 8:40:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.667	J	0.737	LOD	1.47	LOQ	mg/kg	J	Rl
ARSENIC	2.86	J	1.47	LOD	2.95	LOQ	mg/kg	J	Rl
BERYLLIUM	0.428	J	0.0922	LOD	0.737	LOQ	mg/kg	J	Rl
CADMIUM	0.174	J	0.369	LOD	0.737	LOQ	mg/kg	J	Rl
SELENIUM	2.83	J	0.737	LOD	2.95	LOQ	mg/kg	J	Rl
SILVER	0.131	J	0.184	LOD	0.737	LOQ	mg/kg	J	Rl

Sample ID: DU15-S011-00-01 **Collected:** 6/15/2017 8:50:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	4040		16.2	LOD	64.8	LOQ	mg/kg	J+	Ms
ANTIMONY	0.483	J	0.324	LOD	0.648	LOQ	mg/kg	J	Rl, Ld
BERYLLIUM	0.0752	J	0.0405	LOD	0.324	LOQ	mg/kg	J	Rl
CADMIUM	0.273	J	0.162	LOD	0.324	LOQ	mg/kg	J	Rl, Ld
IRON	4290		32.4	LOD	64.8	LOQ	mg/kg	J	Ms, Ms

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP39 **Laboratory: LLL**

EDD Filename: APP39-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU15-S011-00-01 **Collected:** 6/15/2017 8:50:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
LEAD	41.7		0.0810	LOD	0.648	LOQ	mg/kg	J	Ms, Ms
MAGNESIUM	599		16.2	LOD	64.8	LOQ	mg/kg	J	Ms, Ld
SELENIUM	1.18	J	0.324	LOD	1.30	LOQ	mg/kg	J	Rl
SILVER	0.157	J	0.0810	LOD	0.324	LOQ	mg/kg	J	Rl
THALLIUM	0.104	J	0.0810	LOD	0.324	LOQ	mg/kg	J	Rl
ZINC	17.1		4.86	LOD	9.72	LOQ	mg/kg	J+	Ms

Sample ID: DU15-S011-00-01 **Collected:** 6/15/2017 8:50:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MANGANESE	26.9		0.324	LOD	1.30	LOQ	mg/kg	J	Ld
VANADIUM	11.4		0.162	LOD	0.324	LOQ	mg/kg	J-	Ms

Sample ID: DU15-S012-00-01 **Collected:** 6/15/2017 9:35:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.452	J	0.339	LOD	0.678	LOQ	mg/kg	J	Rl
BERYLLIUM	0.244	J	0.0424	LOD	0.339	LOQ	mg/kg	J	Rl
CADMIUM	0.269	J	0.169	LOD	0.339	LOQ	mg/kg	J	Rl
SELENIUM	1.32	J	0.339	LOD	1.36	LOQ	mg/kg	J	Rl
SILVER	0.0888	J	0.0847	LOD	0.339	LOQ	mg/kg	J	Rl
THALLIUM	0.0961	J	0.0847	LOD	0.339	LOQ	mg/kg	J	Rl

Sample ID: DU15-S013-00-01 **Collected:** 6/15/2017 8:10:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.19	J	1.26	LOD	2.52	LOQ	mg/kg	J	Rl
BERYLLIUM	0.279	J	0.0788	LOD	0.630	LOQ	mg/kg	J	Rl
CADMIUM	0.193	J	0.315	LOD	0.630	LOQ	mg/kg	J	Rl
COBALT	0.583	J	0.315	LOD	0.630	LOQ	mg/kg	J	Rl
SILVER	0.0936	J	0.158	LOD	0.630	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP39 **Laboratory: LLL**

EDD Filename: APP39-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix: SOIL**

Sample ID: DU15-S014-00-01 **Collected:** 6/15/2017 8:20:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.502	J	0.341	LOD	0.682	LOQ	mg/kg	J	RI
BERYLLIUM	0.0252	J	0.0213	LOD	0.170	LOQ	mg/kg	J	RI
COBALT	0.0988	J	0.0852	LOD	0.170	LOQ	mg/kg	J	RI
NICKEL	0.349	J	0.170	LOD	0.682	LOQ	mg/kg	J	RI
SELENIUM	0.136	J	0.170	LOD	0.682	LOQ	mg/kg	J	RI
ZINC	3.84	J	2.56	LOD	5.11	LOQ	mg/kg	U	Mb

Sample ID: DU15-S015-00-01 **Collected:** 6/15/2017 9:10:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0588	J	0.0829	LOD	0.166	LOQ	mg/kg	J	RI
SELENIUM	0.541	J	0.166	LOD	0.663	LOQ	mg/kg	J	RI
THALLIUM	0.115	J	0.0414	LOD	0.166	LOQ	mg/kg	J	RI

Sample ID: DU15-S016-00-01 **Collected:** 6/15/2017 9:00:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.169	J	0.0213	LOD	0.171	LOQ	mg/kg	J	RI
CADMIUM	0.0560	J	0.0854	LOD	0.171	LOQ	mg/kg	J	RI
SELENIUM	0.491	J	0.171	LOD	0.683	LOQ	mg/kg	J	RI
SODIUM	59.2	J	17.1	LOD	68.3	LOQ	mg/kg	J	RI
THALLIUM	0.0865	J	0.0427	LOD	0.171	LOQ	mg/kg	J	RI

Method Category: METALS

Method: 7471B **Matrix: SOIL**

Sample ID: DU15-S001-00-01 **Collected:** 6/15/2017 10:55:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0498	J	0.0210	LOD	0.126	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP39 **Laboratory: LLL**

EDD Filename: APP39-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7471B **Matrix: SOIL**

Sample ID: DU15-S003-00-01 **Collected:** 6/15/2017 10:35:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0469	J	0.0254	LOD	0.153	LOQ	mg/kg	J	RI

Sample ID: DU15-S005-00-01 **Collected:** 6/15/2017 10:15:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0683	J	0.0233	LOD	0.140	LOQ	mg/kg	J	RI

Sample ID: DU15-S006-00-01 **Collected:** 6/15/2017 10:05:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.255	J	0.0437	LOD	0.262	LOQ	mg/kg	J	RI

Sample ID: DU15-S007-00-01 **Collected:** 6/15/2017 9:55:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.112	J	0.0329	LOD	0.197	LOQ	mg/kg	J	RI

Sample ID: DU15-S008-00-01 **Collected:** 6/15/2017 9:45:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.163	J	0.0453	LOD	0.272	LOQ	mg/kg	J	RI

Sample ID: DU15-S009-00-01 **Collected:** 6/15/2017 8:30:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.307	J	0.0726	LOD	0.435	LOQ	mg/kg	J	RI

Sample ID: DU15-S010-00-01 **Collected:** 6/15/2017 8:40:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.258	J	0.0683	LOD	0.410	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP39 **Laboratory: LLL**

EDD Filename: APP39-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7471B **Matrix: SOIL**

Sample ID: DU15-S012-00-01 **Collected:** 6/15/2017 9:35:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.157	J	0.0310	LOD	0.186	LOQ	mg/kg	J	RI

Sample ID: DU15-S013-00-01 **Collected:** 6/15/2017 8:10:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.236	J	0.0690	LOD	0.414	LOQ	mg/kg	J	RI

Sample ID: DU15-S014-00-01 **Collected:** 6/15/2017 8:20:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0350	J	0.0191	LOD	0.114	LOQ	mg/kg	J	RI

Sample ID: DU15-S015-00-01 **Collected:** 6/15/2017 9:10:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0232	J	0.0187	LOD	0.112	LOQ	mg/kg	J	RI

Sample ID: DU15-S016-00-01 **Collected:** 6/15/2017 9:00:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0330	J	0.0212	LOD	0.127	LOQ	mg/kg	J	RI

Method Category: SVOA

Method: 8082A **Matrix: SOIL**

Sample ID: DU15-S010-01-02 **Collected:** 6/15/2017 8:45:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR 1260	0.015	U	0.015	LOD	0.026	LOQ	mg/kg	UJ	Ms

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP39 **Laboratory: LLL**

EDD Filename: APP39-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Reason Code Legend

Reason Code	*Description*
Ld	Laboratory Duplicate Precision
Mb	Method Blank Contamination
Ms	Matrix Spike Lower Estimation
Ms	Matrix Spike Precision
Ms	Matrix Spike Upper Estimation
RI	Reporting Limit Trace Value

* denotes a non-reportable result

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP39 **Laboratory: LLL**

EDD Filename: APP39-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8082A
Matrix: SOIL

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
DU15-S010-01-02MSD (DU15-S010-01-02)	AROCLOR 1016	-	-	47.00-134.00	43 (30.00)	AROCLOR 1016	J (all detects)
DU15-S010-01-02MS DU15-S010-01-02MSD (DU15-S010-01-02)	AROCLOR 1260	52	-	53.00-140.00	52 (30.00)	AROCLOR 1260	J(all detects) UJ(all non-detects)

Method: 6020A
Matrix: SOIL

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
DU15-S011-00-01MS (Wet) DU15-S011-00-01MSD (Wet) (DU15-S011-00-01)	IRON LEAD	44 80	179 130	81.00-124.00 84.00-118.00	- -	IRON LEAD	J(all detects) UJ(all non-detects)
DU15-S011-00-01MS (Wet) DU15-S011-00-01MSD (Wet) (DU15-S011-00-01)	MAGNESIUM VANADIUM	60 81	67 -	80.00-123.00 82.00-116.00	- -	MAGNESIUM VANADIUM	J-(all detects) UJ(all non-detects)
DU15-S011-00-01MS (Wet) DU15-S011-00-01MSD (Wet) (DU15-S011-00-01)	ALUMINUM ZINC	218 199	273 200	78.00-124.00 82.00-119.00	- -	ALUMINUM ZINC	J+(all detects)

Lab Duplicate Outlier Report

Lab Reporting Batch ID: APP39 **Laboratory: LLL**

EDD Filename: APP39-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SOIL

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
DU15-S011-00-01DUP (Wet) (DU15-S011-00-01)	ANTIMONY	25	20.00	
	CADMIUM	32	20.00	J (all detects)
	MAGNESIUM	62	20.00	UJ (all non-detects)
	MANGANESE	31	20.00	

Reporting Limit Outliers

Lab Reporting Batch ID: APP39 **Laboratory: LLL**

EDD Filename: APP39-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU15-S001-00-01	CADMIUM	J	0.0427	0.182	LOQ	mg/kg	J (all detects)
	SILVER	J	0.0349	0.182	LOQ	mg/kg	
	SODIUM	J	40.9	72.9	LOQ	mg/kg	
	THALLIUM	J	0.0778	0.182	LOQ	mg/kg	
DU15-S002-00-01	SELENIUM	J	0.191	0.739	LOQ	mg/kg	J (all detects)
	SODIUM	J	67.9	73.9	LOQ	mg/kg	
	THALLIUM	J	0.0601	0.185	LOQ	mg/kg	
DU15-S003-00-01	BERYLLIUM	J	0.129	0.234	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.0510	0.234	LOQ	mg/kg	
	COBALT	J	0.188	0.234	LOQ	mg/kg	
	COPPER	J	0.875	0.936	LOQ	mg/kg	
	NICKEL	J	0.892	0.936	LOQ	mg/kg	
	SELENIUM	J	0.726	0.936	LOQ	mg/kg	
	SILVER	J	0.0441	0.234	LOQ	mg/kg	
	THALLIUM	J	0.0426	0.234	LOQ	mg/kg	
	ZINC	J	4.22	7.02	LOQ	mg/kg	
DU15-S004-00-01	ANTIMONY	J	0.0856	0.334	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.151	0.669	LOQ	mg/kg	
	THALLIUM	J	0.0385	0.167	LOQ	mg/kg	
DU15-S005-00-01	ARSENIC	J	0.798	1.12	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.0871	0.279	LOQ	mg/kg	
	CADMIUM	J	0.0515	0.279	LOQ	mg/kg	
	COBALT	J	0.262	0.279	LOQ	mg/kg	
	NICKEL	J	1.00	1.12	LOQ	mg/kg	
	SELENIUM	J	0.929	1.12	LOQ	mg/kg	
	THALLIUM	J	0.0390	0.279	LOQ	mg/kg	
	ZINC	J	4.21	8.37	LOQ	mg/kg	
DU15-S006-00-01	ANTIMONY	J	0.407	0.921	LOQ	mg/kg	J (all detects)
	ARSENIC	J	1.46	1.84	LOQ	mg/kg	
	BERYLLIUM	J	0.128	0.460	LOQ	mg/kg	
	CADMIUM	J	0.135	0.460	LOQ	mg/kg	
	SILVER	J	0.145	0.460	LOQ	mg/kg	
DU15-S007-00-01	ARSENIC	J	1.30	1.49	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.144	0.372	LOQ	mg/kg	
	CADMIUM	J	0.132	0.372	LOQ	mg/kg	
	SELENIUM	J	0.881	1.49	LOQ	mg/kg	
	SILVER	J	0.0755	0.372	LOQ	mg/kg	
	THALLIUM	J	0.0494	0.372	LOQ	mg/kg	
DU15-S008-00-01	ANTIMONY	J	0.583	0.936	LOQ	mg/kg	J (all detects)
	SILVER	J	0.103	0.468	LOQ	mg/kg	
	THALLIUM	J	0.0743	0.468	LOQ	mg/kg	
DU15-S009-00-01	ANTIMONY	J	0.370	1.53	LOQ	mg/kg	J (all detects)
	ARSENIC	J	1.57	3.07	LOQ	mg/kg	
	BERYLLIUM	J	0.357	0.767	LOQ	mg/kg	
	CADMIUM	J	0.243	0.767	LOQ	mg/kg	
	COBALT	J	0.655	0.767	LOQ	mg/kg	
	SELENIUM	J	1.90	3.07	LOQ	mg/kg	
	SILVER	J	0.116	0.767	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP39 **Laboratory: LLL**

EDD Filename: APP39-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU15-S010-00-01	ANTIMONY	J	0.667	1.47	LOQ	mg/kg	J (all detects)
	ARSENIC	J	2.86	2.95	LOQ	mg/kg	
	BERYLLIUM	J	0.428	0.737	LOQ	mg/kg	
	CADMIUM	J	0.174	0.737	LOQ	mg/kg	
	SELENIUM	J	2.83	2.95	LOQ	mg/kg	
	SILVER	J	0.131	0.737	LOQ	mg/kg	
DU15-S011-00-01	ANTIMONY	J	0.483	0.648	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.0752	0.324	LOQ	mg/kg	
	CADMIUM	J	0.273	0.324	LOQ	mg/kg	
	SELENIUM	J	1.18	1.30	LOQ	mg/kg	
	SILVER	J	0.157	0.324	LOQ	mg/kg	
	THALLIUM	J	0.104	0.324	LOQ	mg/kg	
DU15-S012-00-01	ANTIMONY	J	0.452	0.678	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.244	0.339	LOQ	mg/kg	
	CADMIUM	J	0.269	0.339	LOQ	mg/kg	
	SELENIUM	J	1.32	1.36	LOQ	mg/kg	
	SILVER	J	0.0888	0.339	LOQ	mg/kg	
	THALLIUM	J	0.0961	0.339	LOQ	mg/kg	
DU15-S013-00-01	ARSENIC	J	1.19	2.52	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.279	0.630	LOQ	mg/kg	
	CADMIUM	J	0.193	0.630	LOQ	mg/kg	
	COBALT	J	0.583	0.630	LOQ	mg/kg	
	SILVER	J	0.0936	0.630	LOQ	mg/kg	
DU15-S014-00-01	ARSENIC	J	0.502	0.682	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.0252	0.170	LOQ	mg/kg	
	COBALT	J	0.0988	0.170	LOQ	mg/kg	
	NICKEL	J	0.349	0.682	LOQ	mg/kg	
	SELENIUM	J	0.136	0.682	LOQ	mg/kg	
	ZINC	J	3.84	5.11	LOQ	mg/kg	
DU15-S015-00-01	CADMIUM	J	0.0588	0.166	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.541	0.663	LOQ	mg/kg	
	THALLIUM	J	0.115	0.166	LOQ	mg/kg	
DU15-S016-00-01	BERYLLIUM	J	0.169	0.171	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.0560	0.171	LOQ	mg/kg	
	SELENIUM	J	0.491	0.683	LOQ	mg/kg	
	SODIUM	J	59.2	68.3	LOQ	mg/kg	
	THALLIUM	J	0.0865	0.171	LOQ	mg/kg	

Method: 7471B

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU15-S001-00-01	MERCURY	J	0.0498	0.126	LOQ	mg/kg	J (all detects)
DU15-S003-00-01	MERCURY	J	0.0469	0.153	LOQ	mg/kg	J (all detects)
DU15-S005-00-01	MERCURY	J	0.0683	0.140	LOQ	mg/kg	J (all detects)
DU15-S006-00-01	MERCURY	J	0.255	0.262	LOQ	mg/kg	J (all detects)
DU15-S007-00-01	MERCURY	J	0.112	0.197	LOQ	mg/kg	J (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP39 **Laboratory: LLL**

EDD Filename: APP39-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **7471B**

Matrix: **SOIL**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
DU15-S008-00-01	MERCURY	J	0.163	0.272	LOQ	mg/kg	J (all detects)
DU15-S009-00-01	MERCURY	J	0.307	0.435	LOQ	mg/kg	J (all detects)
DU15-S010-00-01	MERCURY	J	0.258	0.410	LOQ	mg/kg	J (all detects)
DU15-S012-00-01	MERCURY	J	0.157	0.186	LOQ	mg/kg	J (all detects)
DU15-S013-00-01	MERCURY	J	0.236	0.414	LOQ	mg/kg	J (all detects)
DU15-S014-00-01	MERCURY	J	0.0350	0.114	LOQ	mg/kg	J (all detects)
DU15-S015-00-01	MERCURY	J	0.0232	0.112	LOQ	mg/kg	J (all detects)
DU15-S016-00-01	MERCURY	J	0.0330	0.127	LOQ	mg/kg	J (all detects)

Method Blank Outlier Report

Lab Reporting Batch ID: APP39 **Laboratory: LLL**

EDD Filename: APP39-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**
Matrix: **SOIL**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P17663CB176106303	7/25/2017 6:48:00 AM	MANGANESE ZINC	0.181 mg/kg 1.93 mg/kg	DU15-S001-00-01 DU15-S002-00-01 DU15-S003-00-01 DU15-S004-00-01 DU15-S005-00-01 DU15-S006-00-01 DU15-S007-00-01 DU15-S008-00-01 DU15-S009-00-01 DU15-S010-00-01 DU15-S011-00-01 DU15-S012-00-01 DU15-S013-00-01 DU15-S014-00-01 DU15-S015-00-01 DU15-S016-00-01

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
DU15-S001-00-01(Initial)	ZINC	5.49 mg/kg	5.49U mg/kg
DU15-S003-00-01(Initial)	ZINC	4.22 mg/kg	7.02U mg/kg
DU15-S005-00-01(Initial)	ZINC	4.21 mg/kg	8.37U mg/kg
DU15-S014-00-01(Initial)	ZINC	3.84 mg/kg	5.11U mg/kg

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Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page	1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.		
Laboratory SDG:	APP40		
Date(s) of Collection:	June 14th, 2017		
Number/Type Samples & Analyses:	28 soil samples plus 1 MS/MSD, 3 field duplicates and 2 trip blanks for a project-specific list of VOCs, SVOCs, PAHs, hexavalent chromium and metals		
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA		
Completed:	November 21, 2017		

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for soil data included in Sample Delivery Group (SDG) APP40. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017.

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✓ Holding times and sample preservation

✓ Laboratory method blank data

✗ Field rinsate blank data

✓ Trip blank data

✓ Laboratory control sample (LCS) recoveries

✗ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✗ Surrogate recoveries

✗ Laboratory duplicate results

✗ Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of "J" data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

Soil samples (DU01-S001-01-10, DU01-S002-01-10, DU01-S002-01-10D, DU01-S003-01-10, DU01-S003-01-10, DU01-S004-01-10, DU01-S007-01-10, DU01-S008-01-10, DU01-S009-01-10, DU01-S010-01-10, DU01-S012-01-10, DU01-S013-01-10, DU01-S014-01-10, DU01-S015-01-10, and DU01-S016-01-10) were run for regular 8270 and 8270 SIM. The final results will be presented in 8270 SIM.

Several analytes were over calibration in method 8270D in samples DU01-S011-01-10 and DU01-S011-01-10D (1-methylnaphthalene and 2-methylnaphthalene). The samples were diluted and re-analyzed. All results will be presented in the undiluted except for the analytes that were over calibration.

Sample DU01-S011-01-10 for method 8260C was analyzed twice because of the continuing calibration verification standard exhibited a low response (outside the 20% D criteria). Both initial and re-analysis results were comparable. The initial results will be presented as final results.

This data package was revised 11/9/2017 due to the Eurofins SW6020A metals data breach. The majority of the data changes were made to Quality Control (QC) and/or calibration checks, not to actual sample results. The few field sample result changes were due to the originally reported result exceeding the linear calibration range of the instrument; those results were changed to be slightly lower than the upper limit of the calibration range.

In this package, the manganese percent recovery for LCS QC limits was lower than the QC range; the CCV percent recovery of vanadium and manganese was within QC specification in the original report as well as in the corrected package; and the percent recoveries in the low level check standard for vanadium and manganese were not within QC specifications. Qualifiers for manganese were added to samples for the low LCS recovery.

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP40
Laboratory: LLL
EDD Filename: APP40-C_2a_1
eQAPP Name: CAMP_HERO_NP_PIII

Validation Area	*Note*
Technical Holding Times	A
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	A
Surrogate/Tracer Spikes	SR
Matrix Spike/Matrix Spike Duplicates	SR
Laboratory Duplicates	SR
Laboratory Replicates	N
Laboratory Control Samples	SR
Compound Quantitation	SR
Field Duplicates	SR
Field Triplicates	N
Field Blanks	SR

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP40 **Laboratory: LLL**

EDD Filename: APP40-C_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU01-S001-01-10 **Collected:** 6/14/2017 2:35:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	15700		9.71	LOD	38.8	LOQ	mg/kg	J+	Ms
ANTIMONY	0.194	U	0.194	LOD	0.388	LOQ	mg/kg	UJ	Ms
ARSENIC	3.43		0.388	LOD	0.777	LOQ	mg/kg	J-	Ms
BARIUM	63.9		0.388	LOD	0.777	LOQ	mg/kg	J+	Ms
CADMIUM	0.0364	J	0.0971	LOD	0.194	LOQ	mg/kg	J	Rl
CALCIUM	880		38.8	LOD	77.7	LOQ	mg/kg	J	Ms, Ms
COPPER	12.8		0.194	LOD	0.777	LOQ	mg/kg	J-	Ms
IRON	18300		19.4	LOD	38.8	LOQ	mg/kg	J	Ms, Ms
LEAD	6.92		0.0485	LOD	0.388	LOQ	mg/kg	J-	Ms
MAGNESIUM	3670		9.71	LOD	38.8	LOQ	mg/kg	J	Ms, Ms
POTASSIUM	2970		19.4	LOD	77.7	LOQ	mg/kg	J+	Ms
SELENIUM	0.225	J	0.194	LOD	0.777	LOQ	mg/kg	J	Rl, Ld
ZINC	36.8		2.91	LOD	5.82	LOQ	mg/kg	J+	Ms
CHROMIUM	24.3		0.388	LOD	0.777	LOQ	mg/kg	J-	Ms

Sample ID: DU01-S001-01-10 **Collected:** 6/14/2017 2:35:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MANGANESE	249		0.194	LOD	0.777	LOQ	mg/kg	J	Ms, Ms, Ms, Lcs
VANADIUM	37.1		0.0971	LOD	0.194	LOQ	mg/kg	J+	Ms

Sample ID: DU01-S002-01-10 **Collected:** 6/14/2017 2:25:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0337	J	0.0771	LOD	0.154	LOQ	mg/kg	J	Rl, Fd
POTASSIUM	3860		15.4	LOD	61.6	LOQ	mg/kg	J	Fd
SELENIUM	0.0958	J	0.154	LOD	0.616	LOQ	mg/kg	J	Rl, Fd
THALLIUM	0.286		0.0385	LOD	0.154	LOQ	mg/kg	J	Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP40 **Laboratory: LLL**

EDD Filename: APP40-C_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU01-S002-01-10 **Collected:** 6/14/2017 2:25:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MANGANESE	326		0.154	LOD	0.616	LOQ	mg/kg	J-	Lcs

Sample ID: DU01-S002-01-10D **Collected:** 6/14/2017 2:25:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.102	U	0.102	LOD	0.205	LOQ	mg/kg	UJ	Fd
POTASSIUM	2570		20.5	LOD	82.0	LOQ	mg/kg	J	Fd
SELENIUM	0.205	U	0.205	LOD	0.820	LOQ	mg/kg	UJ	Fd
THALLIUM	0.187	J	0.0512	LOD	0.205	LOQ	mg/kg	J	Rl, Fd

Sample ID: DU01-S002-01-10D **Collected:** 6/14/2017 2:25:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MANGANESE	249		0.205	LOD	0.820	LOQ	mg/kg	J-	Lcs

Sample ID: DU01-S003-01-10 **Collected:** 6/14/2017 11:05:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0436	J	0.0760	LOD	0.152	LOQ	mg/kg	J	Rl
SELENIUM	0.182	J	0.152	LOD	0.608	LOQ	mg/kg	J	Rl

Sample ID: DU01-S003-01-10 **Collected:** 6/14/2017 11:05:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MANGANESE	271		0.152	LOD	0.608	LOQ	mg/kg	J-	Lcs

Sample ID: DU01-S004-01-10 **Collected:** 6/14/2017 10:50:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.274	J	0.186	LOD	0.742	LOQ	mg/kg	J	Rl
SILVER	0.0281	J	0.0464	LOD	0.186	LOQ	mg/kg	J	Rl
THALLIUM	0.129	J	0.0464	LOD	0.186	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP40 **Laboratory: LLL**

EDD Filename: APP40-C_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU01-S004-01-10 **Collected:** 6/14/2017 10:50:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MANGANESE	183		0.186	LOD	0.742	LOQ	mg/kg	J-	Lcs

Sample ID: DU01-S005-01-10 **Collected:** 6/14/2017 2:05:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0460	J	0.0849	LOD	0.170	LOQ	mg/kg	J	RI
SELENIUM	0.109	J	0.170	LOD	0.680	LOQ	mg/kg	J	RI

Sample ID: DU01-S005-01-10 **Collected:** 6/14/2017 2:05:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MANGANESE	291		0.170	LOD	0.680	LOQ	mg/kg	J-	Lcs

Sample ID: DU01-S006-01-10 **Collected:** 6/14/2017 2:15:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0755	J	0.105	LOD	0.211	LOQ	mg/kg	J	RI
THALLIUM	0.161	J	0.0527	LOD	0.211	LOQ	mg/kg	J	RI

Sample ID: DU01-S006-01-10 **Collected:** 6/14/2017 2:15:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MANGANESE	137		0.211	LOD	0.843	LOQ	mg/kg	J-	Lcs

Sample ID: DU01-S007-01-10 **Collected:** 6/14/2017 11:10:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0633	J	0.0882	LOD	0.176	LOQ	mg/kg	J	RI
THALLIUM	0.164	J	0.0441	LOD	0.176	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP40 **Laboratory: LLL**

EDD Filename: APP40-C_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU01-S007-01-10 **Collected:** 6/14/2017 11:10:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MANGANESE	189		0.176	LOD	0.706	LOQ	mg/kg	J-	Lcs

Sample ID: DU01-S008-01-10 **Collected:** 6/14/2017 10:40:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0744	J	0.124	LOD	0.247	LOQ	mg/kg	J	RI
SELENIUM	0.135	J	0.247	LOD	0.989	LOQ	mg/kg	J	RI
THALLIUM	0.191	J	0.0618	LOD	0.247	LOQ	mg/kg	J	RI

Sample ID: DU01-S008-01-10 **Collected:** 6/14/2017 10:40:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MANGANESE	252		0.247	LOD	0.989	LOQ	mg/kg	J-	Lcs

Sample ID: DU01-S009-01-10 **Collected:** 6/14/2017 12:35:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0560	J	0.115	LOD	0.231	LOQ	mg/kg	J	RI

Sample ID: DU01-S009-01-10 **Collected:** 6/14/2017 12:35:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MANGANESE	538		0.231	LOD	0.922	LOQ	mg/kg	J-	Lcs

Sample ID: DU01-S010-01-10 **Collected:** 6/14/2017 12:15:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.145	J	0.191	LOD	0.763	LOQ	mg/kg	J	RI
THALLIUM	0.156	J	0.0477	LOD	0.191	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP40 **Laboratory: LLL**

EDD Filename: APP40-C_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU01-S010-01-10 **Collected:** 6/14/2017 12:15:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MANGANESE	217		0.191	LOD	0.763	LOQ	mg/kg	J-	Lcs

Sample ID: DU01-S011-01-10 **Collected:** 6/14/2017 11:15:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	2880		39.0	LOD	78.0	LOQ	mg/kg	J	Fd
THALLIUM	0.146	J	0.0487	LOD	0.195	LOQ	mg/kg	J	Rl

Sample ID: DU01-S011-01-10 **Collected:** 6/14/2017 11:15:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MANGANESE	192		0.195	LOD	0.780	LOQ	mg/kg	J-	Lcs

Sample ID: DU01-S011-01-10D **Collected:** 6/14/2017 11:15:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	1750		35.1	LOD	70.1	LOQ	mg/kg	J	Fd
THALLIUM	0.122	J	0.0438	LOD	0.175	LOQ	mg/kg	J	Rl

Sample ID: DU01-S011-01-10D **Collected:** 6/14/2017 11:15:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MANGANESE	166		0.175	LOD	0.701	LOQ	mg/kg	J-	Lcs

Sample ID: DU01-S012-01-10 **Collected:** 6/14/2017 10:30:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0518	J	0.107	LOD	0.214	LOQ	mg/kg	J	Rl

Sample ID: DU01-S012-01-10 **Collected:** 6/14/2017 10:30:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MANGANESE	443		0.214	LOD	0.858	LOQ	mg/kg	J-	Lcs

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP40 **Laboratory: LLL**

EDD Filename: APP40-C_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU01-S013-01-10 **Collected:** 6/14/2017 12:45:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MANGANESE	165		0.210	LOD	0.839	LOQ	mg/kg	J-	Lcs

Sample ID: DU01-S014-01-10 **Collected:** 6/14/2017 1:00:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.142	J	0.0510	LOD	0.204	LOQ	mg/kg	J	RI

Sample ID: DU01-S014-01-10 **Collected:** 6/14/2017 1:00:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MANGANESE	187		0.204	LOD	0.816	LOQ	mg/kg	J-	Lcs

Sample ID: DU01-S015-01-10 **Collected:** 6/14/2017 12:00:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0300	J	0.0863	LOD	0.173	LOQ	mg/kg	J	RI
SELENIUM	0.0986	J	0.173	LOD	0.691	LOQ	mg/kg	J	RI
THALLIUM	0.156	J	0.0432	LOD	0.173	LOQ	mg/kg	J	RI

Sample ID: DU01-S015-01-10 **Collected:** 6/14/2017 12:00:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MANGANESE	242		0.173	LOD	0.691	LOQ	mg/kg	J-	Lcs

Sample ID: DU01-S016-01-10 **Collected:** 6/14/2017 10:15:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0679	J	0.0875	LOD	0.175	LOQ	mg/kg	J	RI
SELENIUM	0.101	J	0.175	LOD	0.700	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP40 **Laboratory: LLL**

EDD Filename: APP40-C_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix: SOIL**

Sample ID: DU01-S016-01-10 **Collected:** 6/14/2017 10:15:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MANGANESE	592		0.175	LOD	0.700	LOQ	mg/kg	J-	Lcs

Method Category: METALS

Method: 7199 **Matrix: SOIL**

Sample ID: DU01-S001-01-10 **Collected:** 6/14/2017 2:35:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Hexavalent Chromium [Cr (VI)]	0.86		0.45	LOD	0.45	LOQ	mg/kg	J	Ld

Sample ID: DU01-S011-01-10 **Collected:** 6/14/2017 11:15:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Hexavalent Chromium [Cr (VI)]	2.5		0.44	LOD	0.44	LOQ	mg/kg	J	Fd

Sample ID: DU01-S011-01-10D **Collected:** 6/14/2017 11:15:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Hexavalent Chromium [Cr (VI)]	0.42	J	0.45	LOD	0.45	LOQ	mg/kg	J	Rl, Fd

Method Category: METALS

Method: 7471B **Matrix: SOIL**

Sample ID: DU01-S001-01-10 **Collected:** 6/14/2017 2:35:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0120	J	0.0179	LOD	0.107	LOQ	mg/kg	J	Rl, Ld

Sample ID: DU01-S002-01-10 **Collected:** 6/14/2017 2:25:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0121	J	0.0183	LOD	0.110	LOQ	mg/kg	J	Rl, Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP40 **Laboratory: LLL**

EDD Filename: APP40-C_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7471B **Matrix: SOIL**

Sample ID: DU01-S002-01-10D **Collected:** 6/14/2017 2:25:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0188	U	0.0188	LOD	0.113	LOQ	mg/kg	UJ	Fd

Sample ID: DU01-S003-01-10 **Collected:** 6/14/2017 11:05:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0107	J	0.0172	LOD	0.103	LOQ	mg/kg	J	RI

Sample ID: DU01-S004-01-10 **Collected:** 6/14/2017 10:50:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0251	J	0.0176	LOD	0.105	LOQ	mg/kg	J	RI

Sample ID: DU01-S007-01-10 **Collected:** 6/14/2017 11:10:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0122	J	0.0175	LOD	0.105	LOQ	mg/kg	J	RI

Method Category: SVOA

Method: 8270D **Matrix: SOIL**

Sample ID: DU01-S001-01-10 **Collected:** 6/14/2017 2:35:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.020	J	0.037	LOD	0.037	LOQ	mg/kg	J	RI

Sample ID: DU01-S001-01-10 **Collected:** 6/14/2017 2:35:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.021		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHENE	0.017	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHYLENE	0.009	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.009	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP40 **Laboratory: LLL**

EDD Filename: APP40-C_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU01-S001-01-10 **Collected:** 6/14/2017 2:35:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.006	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.007	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.050		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.088		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.011	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: DU01-S002-01-10 **Collected:** 6/14/2017 2:25:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP40 **Laboratory: LLL**

EDD Filename: APP40-C_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU01-S002-01-10 **Collected:** 6/14/2017 2:25:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU01-S002-01-10D **Collected:** 6/14/2017 2:25:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU01-S003-01-10 **Collected:** 6/14/2017 11:05:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP40 **Laboratory: LLL**

EDD Filename: APP40-C_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU01-S003-01-10 **Collected:** 6/14/2017 11:05:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.012	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
Benzo (g,h,i) perylene	0.007	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.009	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.014	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.007	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.014	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.022		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.007	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.011	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.020		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU01-S004-01-10 **Collected:** 6/14/2017 10:50:00 AM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.22	J	0.57	LOD	0.57	LOQ	mg/kg	J	RI

Sample ID: DU01-S004-01-10 **Collected:** 6/14/2017 10:50:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.10		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.14		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.017	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHYLENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.012	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.006	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
Benzo (g,h,i) perylene	0.005	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.008	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP40 **Laboratory: LLL**

EDD Filename: APP40-C_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU01-S004-01-10 **Collected:** 6/14/2017 10:50:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(B)FLUORANTHENE	0.009	J	0.008	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
BENZO(K)FLUORANTHENE	0.004	J	0.008	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
CHRYSENE	0.007	J	0.008	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.015	J	0.008	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
FLUORENE	0.022		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.005	J	0.008	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
NAPHTHALENE	0.029		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.073		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.017	J	0.008	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg

Sample ID: DU01-S006-01-10 **Collected:** 6/14/2017 2:15:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.011	J	0.007	LOD	0.019	LOQ	mg/kg	J	Rl
Benzo (g,h,i) perylene	0.013	J	0.007	LOD	0.019	LOQ	mg/kg	J	Rl
BENZO(A)PYRENE	0.008	J	0.007	LOD	0.019	LOQ	mg/kg	J	Rl
BENZO(B)FLUORANTHENE	0.011	J	0.007	LOD	0.019	LOQ	mg/kg	J	Rl
CHRYSENE	0.017	J	0.007	LOD	0.019	LOQ	mg/kg	J	Rl
INDENO(1,2,3-CD)PYRENE	0.009	J	0.007	LOD	0.019	LOQ	mg/kg	J	Rl

Sample ID: DU01-S007-01-10 **Collected:** 6/14/2017 11:10:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.034	J	0.037	LOD	0.037	LOQ	mg/kg	J	Rl

Sample ID: DU01-S007-01-10 **Collected:** 6/14/2017 11:10:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.42		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.17		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.074		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP40 **Laboratory: LLL**

EDD Filename: APP40-C_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU01-S007-01-10 **Collected:** 6/14/2017 11:10:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.048		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.01	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.15		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.032		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.33		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.027		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU01-S008-01-10 **Collected:** 6/14/2017 10:40:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.004	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.005	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.006	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.004	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.009	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP40 **Laboratory: LLL**

EDD Filename: APP40-C_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU01-S008-01-10 **Collected:** 6/14/2017 10:40:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.005	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.008	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: DU01-S009-01-10 **Collected:** 6/14/2017 12:35:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU01-S010-01-10 **Collected:** 6/14/2017 12:15:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP40 **Laboratory: LLL**

EDD Filename: APP40-C_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU01-S010-01-10 **Collected:** 6/14/2017 12:15:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.005	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
Benzo (g,h,i) perylene	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.006	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.008	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.004	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.007	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.011	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.011	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.011	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: DU01-S011-01-10 **Collected:** 6/14/2017 11:15:00 AM **Analysis Type:** Dilution-01 **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	2.6		0.18	LOD	0.18	LOQ	mg/kg	NP	ProfJudg
2-Methylphenol (o-Cresol)	0.18	U	0.18	LOD	0.18	LOQ	mg/kg	NP	ProfJudg
4-Chloroaniline [p-Chloroaniline]	0.37	U	0.37	LOD	0.37	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU01-S011-01-10 **Collected:** 6/14/2017 11:15:00 AM **Analysis Type:** Dilution-01-ACID **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.18	U	0.18	LOD	0.18	LOQ	mg/kg	NP	ProfJudg
4-CHLORO-3-METHYLPHENOL	0.18	U	0.18	LOD	0.18	LOQ	mg/kg	NP	ProfJudg
BENZOIC ACID	2.7	U	2.7	LOD	2.7	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP40 **Laboratory: LLL**

EDD Filename: APP40-C_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **SOIL**

Sample ID: **DU01-S011-01-10** ***Collected:*** **6/14/2017 11:15:00 AM** ***Analysis Type:*** **Dilution-01-BASE/ NEUTRAL** ***Dilution:*** **5**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1,4-DICHLOROBENZENE	0.18	U	0.18	LOD	0.18	LOQ	mg/kg	NP	ProfJudg
2-CHLORONAPHTHALENE	0.073	U	0.073	LOD	0.18	LOQ	mg/kg	NP	Fd, ProfJudg
ACENAPHTHENE	1.0		0.037	LOD	0.093	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.40		0.037	LOD	0.093	LOQ	mg/kg	NP	Fd, ProfJudg
ANTHRACENE	0.40		0.037	LOD	0.093	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.037	U	0.037	LOD	0.093	LOQ	mg/kg	NP	Fd, ProfJudg
BENZALDEHYDE	0.73	U	0.73	LOD	0.91	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.037	U	0.037	LOD	0.093	LOQ	mg/kg	NP	Fd, ProfJudg
BENZO(A)PYRENE	0.037	U	0.037	LOD	0.093	LOQ	mg/kg	NP	Fd, ProfJudg
BENZO(B)FLUORANTHENE	0.037	U	0.037	LOD	0.093	LOQ	mg/kg	NP	Fd, ProfJudg
BENZO(K)FLUORANTHENE	0.037	U	0.037	LOD	0.093	LOQ	mg/kg	NP	Fd, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	0.73	U	0.73	LOD	0.93	LOQ	mg/kg	NP	ProfJudg
Butyl benzyl phthalate	0.73	U	0.73	LOD	0.91	LOQ	mg/kg	NP	ProfJudg
CAPROLACTAM	0.73	U	0.73	LOD	0.91	LOQ	mg/kg	NP	ProfJudg
CARBAZOLE	0.18	U	0.18	LOD	0.18	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.037	U	0.037	LOD	0.093	LOQ	mg/kg	NP	Fd, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.037	U	0.037	LOD	0.093	LOQ	mg/kg	NP	ProfJudg
DIBENZOFURAN	0.80		0.18	LOD	0.18	LOQ	mg/kg	NP	ProfJudg
DIETHYL PHTHALATE	0.73	U	0.73	LOD	0.91	LOQ	mg/kg	NP	ProfJudg
DIMETHYL PHTHALATE	0.73	U	0.73	LOD	0.91	LOQ	mg/kg	NP	ProfJudg
DI-N-BUTYL PHTHALATE	0.73	U	0.73	LOD	0.91	LOQ	mg/kg	NP	ProfJudg
DI-N-OCTYL PHTHALATE	0.73	U	0.73	LOD	0.91	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.081	J	0.037	LOD	0.093	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	1.6		0.037	LOD	0.093	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.037	U	0.037	LOD	0.093	LOQ	mg/kg	NP	Fd, ProfJudg
NAPHTHALENE	3.3		0.037	LOD	0.093	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	2.8		0.037	LOD	0.093	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.17		0.037	LOD	0.093	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP40 **Laboratory: LLL**

EDD Filename: APP40-C_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU01-S011-01-10 **Collected:** 6/14/2017 11:15:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	8.7	E	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	14	E	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.010	J	0.007	LOD	0.019	LOQ	mg/kg	J	RI
Benzo (g,h,i) perylene	0.006	J	0.007	LOD	0.019	LOQ	mg/kg	J	RI
BENZO(A)PYRENE	0.007	J	0.007	LOD	0.019	LOQ	mg/kg	J	RI
BENZO(B)FLUORANTHENE	0.011	J	0.007	LOD	0.019	LOQ	mg/kg	J	RI
BENZO(K)FLUORANTHENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	J	RI
CHRYSENE	0.017	J	0.007	LOD	0.019	LOQ	mg/kg	J	RI
INDENO(1,2,3-CD)PYRENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	J	RI

Sample ID: DU01-S011-01-10D **Collected:** 6/14/2017 11:15:00 AM **Analysis Type:** Dilution-01 **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	2.4		0.19	LOD	0.19	LOQ	mg/kg	NP	ProfJudg
2-Methylphenol (o-Cresol)	0.19	U	0.19	LOD	0.19	LOQ	mg/kg	NP	ProfJudg
4-Chloroaniline [p-Chloroaniline]	0.37	U	0.37	LOD	0.37	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU01-S011-01-10D **Collected:** 6/14/2017 11:15:00 AM **Analysis Type:** Dilution-01-ACID **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.19	U	0.19	LOD	0.19	LOQ	mg/kg	NP	ProfJudg
4-CHLORO-3-METHYLPHENOL	0.19	U	0.19	LOD	0.19	LOQ	mg/kg	NP	ProfJudg
BENZOIC ACID	2.8	U	2.8	LOD	2.8	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU01-S011-01-10D **Collected:** 6/14/2017 11:15:00 AM **Analysis Type:** Dilution-01-BASE/NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	0.19	U	0.19	LOD	0.19	LOQ	mg/kg	NP	ProfJudg
2-CHLORONAPHTHALENE	0.047	J	0.074	LOD	0.18	LOQ	mg/kg	NP	RI, Fd, ProfJudg
ACENAPHTHENE	0.93		0.037	LOD	0.095	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.037	U	0.037	LOD	0.095	LOQ	mg/kg	NP	Fd, ProfJudg
ANTHRACENE	0.34		0.037	LOD	0.095	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP40 **Laboratory: LLL**

EDD Filename: APP40-C_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU01-S011-01-10D **Collected:** 6/14/2017 11:15:00 AM **Analysis Type:** Dilution-01-BASE/ NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.037	U	0.037	LOD	0.095	LOQ	mg/kg	NP	ProfJudg
BENZALDEHYDE	0.74	U	0.74	LOD	0.93	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.037	U	0.037	LOD	0.095	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.037	U	0.037	LOD	0.095	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.037	U	0.037	LOD	0.095	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.037	U	0.037	LOD	0.095	LOQ	mg/kg	NP	ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	0.74	U	0.74	LOD	0.95	LOQ	mg/kg	NP	ProfJudg
Butyl benzyl phthalate	0.74	U	0.74	LOD	0.93	LOQ	mg/kg	NP	ProfJudg
CAPROLACTAM	0.74	U	0.74	LOD	0.93	LOQ	mg/kg	NP	ProfJudg
CARBAZOLE	0.19	U	0.19	LOD	0.19	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.037	U	0.037	LOD	0.095	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.037	U	0.037	LOD	0.095	LOQ	mg/kg	NP	ProfJudg
DIBENZOFURAN	0.70		0.19	LOD	0.19	LOQ	mg/kg	NP	ProfJudg
DIETHYL PHTHALATE	0.74	U	0.74	LOD	0.93	LOQ	mg/kg	NP	ProfJudg
DIMETHYL PHTHALATE	0.74	U	0.74	LOD	0.93	LOQ	mg/kg	NP	ProfJudg
DI-N-BUTYL PHTHALATE	0.74	U	0.74	LOD	0.93	LOQ	mg/kg	NP	ProfJudg
DI-N-OCTYL PHTHALATE	0.74	U	0.74	LOD	0.93	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.062	J	0.037	LOD	0.095	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	1.4		0.037	LOD	0.095	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.037	U	0.037	LOD	0.095	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	2.9		0.037	LOD	0.095	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	2.4		0.037	LOD	0.095	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.14		0.037	LOD	0.095	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU01-S011-01-10D **Collected:** 6/14/2017 11:15:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	8.4	E	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	13	E	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.29		0.007	LOD	0.019	LOQ	mg/kg	J	Fd
BENZ(A)ANTHRACENE	0.011	J	0.007	LOD	0.019	LOQ	mg/kg	J	RI, Fd
Benzo (g,h,i) perylene	0.008	J	0.007	LOD	0.019	LOQ	mg/kg	J	RI, Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP40 **Laboratory: LLL**

EDD Filename: APP40-C_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU01-S011-01-10D **Collected:** 6/14/2017 11:15:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(A)PYRENE	0.009	J	0.007	LOD	0.019	LOQ	mg/kg	J	Rl, Fd
BENZO(B)FLUORANTHENE	0.016	J	0.007	LOD	0.019	LOQ	mg/kg	J	Rl, Fd
BENZO(K)FLUORANTHENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	J	Rl, Fd
CHRYSENE	0.015	J	0.007	LOD	0.019	LOQ	mg/kg	J	Rl, Fd
INDENO(1,2,3-CD)PYRENE	0.007	J	0.007	LOD	0.019	LOQ	mg/kg	J	Rl, Fd

Sample ID: DU01-S012-01-10 **Collected:** 6/14/2017 10:30:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU01-S013-01-10 **Collected:** 6/14/2017 12:45:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP40 **Laboratory: LLL**

EDD Filename: APP40-C_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU01-S013-01-10 **Collected:** 6/14/2017 12:45:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU01-S014-01-10 **Collected:** 6/14/2017 1:00:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP40 **Laboratory: LLL**

EDD Filename: APP40-C_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU01-S014-01-10 **Collected:** 6/14/2017 1:00:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU01-S015-01-10 **Collected:** 6/14/2017 12:00:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.011	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
Benzo (g,h,i) perylene	0.01	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.012	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.015	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.007	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.011	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.020		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.008	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.01	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.019		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP40 **Laboratory: LLL**

EDD Filename: APP40-C_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix: SOIL**

Sample ID: DU01-S016-01-10 **Collected:** 6/14/2017 10:15:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.005	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
2-METHYLNAPHTHALENE	0.007	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.010	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
Benzo (g,h,i) perylene	0.01	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.012	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.016	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.007	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.010	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.016	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.008	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.006	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.015	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg

Method Category: SVOA

Method: 8270D SIM **Matrix: SOIL**

Sample ID: DU01-S001-01-10 **Collected:** 6/14/2017 2:35:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.025		0.0015	LOD	0.0019	LOQ	mg/kg	J+	Ms
2-METHYLNAPHTHALENE	0.0027		0.0015	LOD	0.0019	LOQ	mg/kg	J+	Ms
BENZO(G,H,I)PERYLENE	0.0011	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
FLUORENE	0.049		0.0015	LOD	0.0019	LOQ	mg/kg	J+	Ms
INDENO(1,2,3-CD)PYRENE	0.0011	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
PHENANTHRENE	0.10		0.0015	LOD	0.0019	LOQ	mg/kg	J+	Ms

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP40 **Laboratory: LLL**

EDD Filename: APP40-C_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU01-S002-01-10 **Collected:** 6/14/2017 2:25:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	Fd
BENZO(A)PYRENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	Fd
BENZO(B)FLUORANTHENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	Fd
CHRYSENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	Fd
FLUORANTHENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	Fd
PHENANTHRENE	0.00078	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Rl
PYRENE	0.00046	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Rl, Fd

Sample ID: DU01-S002-01-10D **Collected:** 6/14/2017 2:25:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.0011	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Rl, Fd
BENZO(A)PYRENE	0.0010	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Rl, Fd
BENZO(B)FLUORANTHENE	0.0014	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Rl, Fd
CHRYSENE	0.0012	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Rl, Fd
FLUORANTHENE	0.0017	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Rl, Fd
PHENANTHRENE	0.00087	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Rl
PYRENE	0.0016	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Rl, Fd

Sample ID: DU01-S003-01-10 **Collected:** 6/14/2017 11:05:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.00090	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl
DIBENZO(A,H)ANTHRACENE	0.0011	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl
FLUORENE	0.00076	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl
NAPHTHALENE	0.00098	J	0.0015	LOD	0.0018	LOQ	mg/kg	U	Eb

Sample ID: DU01-S004-01-10 **Collected:** 6/14/2017 10:50:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(G,H,I)PERYLENE	0.0016	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Rl
INDENO(1,2,3-CD)PYRENE	0.0016	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP40 **Laboratory: LLL**

EDD Filename: APP40-C_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU01-S007-01-10 **Collected:** 6/14/2017 11:10:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.0013	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl
BENZO(A)PYRENE	0.0011	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl
BENZO(K)FLUORANTHENE	0.00079	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl

Sample ID: DU01-S008-01-10 **Collected:** 6/14/2017 10:40:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.0016	J	0.0017	LOD	0.0021	LOQ	mg/kg	J	Rl
ACENAPHTHYLENE	0.00045	J	0.0017	LOD	0.0021	LOQ	mg/kg	J	Rl
BENZO(G,H,I)PERYLENE	0.0018	J	0.0017	LOD	0.0021	LOQ	mg/kg	J	Rl
INDENO(1,2,3-CD)PYRENE	0.0016	J	0.0017	LOD	0.0021	LOQ	mg/kg	J	Rl
NAPHTHALENE	0.0020	J	0.0017	LOD	0.0021	LOQ	mg/kg	J	Rl

Sample ID: DU01-S009-01-10 **Collected:** 6/14/2017 12:35:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(B)FLUORANTHENE	0.00080	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	Rl
CHRYSENE	0.0011	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	Rl

Sample ID: DU01-S010-01-10 **Collected:** 6/14/2017 12:15:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.00080	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	Rl
2-METHYLNAPHTHALENE	0.0012	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	Rl
BENZO(G,H,I)PERYLENE	0.0012	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	Rl
INDENO(1,2,3-CD)PYRENE	0.0012	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	Rl
NAPHTHALENE	0.00079	J	0.0014	LOD	0.0018	LOQ	mg/kg	U	Eb

Sample ID: DU01-S012-01-10 **Collected:** 6/14/2017 10:30:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.00041	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	Rl
BENZ(A)ANTHRACENE	0.0015	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP40 **Laboratory: LLL**

EDD Filename: APP40-C_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix: SOIL**

Sample ID: DU01-S012-01-10 **Collected:** 6/14/2017 10:30:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(A)PYRENE	0.0018	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI
BENZO(G,H,I)PERYLENE	0.00098	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI
CHRYSENE	0.0018	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI
PHENANTHRENE	0.0011	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI

Sample ID: DU01-S015-01-10 **Collected:** 6/14/2017 12:00:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0011	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI
ACENAPHTHYLENE	0.00089	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI
DIBENZO(A,H)ANTHRACENE	0.0013	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI
FLUORENE	0.00095	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI
NAPHTHALENE	0.0014	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI

Sample ID: DU01-S016-01-10 **Collected:** 6/14/2017 10:15:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.00081	J	0.0017	LOD	0.0021	LOQ	mg/kg	J	RI
DIBENZO(A,H)ANTHRACENE	0.0012	J	0.0017	LOD	0.0021	LOQ	mg/kg	J	RI
NAPHTHALENE	0.0013	J	0.0017	LOD	0.0021	LOQ	mg/kg	J	RI

Method Category: VOA

Method: 8260C **Matrix: SOIL**

Sample ID: DU01-S001-01-10 **Collected:** 6/14/2017 2:35:00 PM **Analysis Type:** Initial **Dilution:** 0.66

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SEC-BUTYLBENZENE	0.003	J	0.001	LOD	0.004	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP40 **Laboratory: LLL**

EDD Filename: APP40-C_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: VOA

Method: 8260C **Matrix:** SOIL

Sample ID: DU01-S005-01-10 **Collected:** 6/14/2017 2:05:00 PM **Analysis Type:** Initial **Dilution:** 0.7

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON DISULFIDE	0.002	J	0.002	LOD	0.004	LOQ	mg/kg	J	RI
N-BUTYLBENZENE	0.002	J	0.002	LOD	0.004	LOQ	mg/kg	J	RI
N-PROPYLBENZENE	0.001	J	0.002	LOD	0.004	LOQ	mg/kg	J	RI
SEC-BUTYLBENZENE	0.003	J	0.002	LOD	0.004	LOQ	mg/kg	J	RI

Sample ID: DU01-S006-01-10 **Collected:** 6/14/2017 2:15:00 PM **Analysis Type:** Initial **Dilution:** 0.76

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-Butanone [MEK]	0.005	J	0.007	LOD	0.008	LOQ	mg/kg	J	RI
ETHYLBENZENE	0.002	J	0.002	LOD	0.004	LOQ	mg/kg	J	RI
m/p-Xylene [3/4-Xylene]	0.002	J	0.002	LOD	0.004	LOQ	mg/kg	J	RI
Methylcyclohexane	0.002	J	0.002	LOD	0.004	LOQ	mg/kg	J	RI
Xylene (Total)	0.002	J	0.002	LOD	0.004	LOQ	mg/kg	J	RI

Sample ID: DU01-S007-01-10 **Collected:** 6/14/2017 11:10:00 AM **Analysis Type:** Initial **Dilution:** 0.68

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACETONE	0.01	J	0.012	LOD	0.015	LOQ	mg/kg	J	RI
CARBON DISULFIDE	0.003	J	0.002	LOD	0.004	LOQ	mg/kg	J	RI
m/p-Xylene [3/4-Xylene]	0.003	J	0.002	LOD	0.004	LOQ	mg/kg	J	RI
Xylene (Total)	0.003	J	0.002	LOD	0.004	LOQ	mg/kg	J	RI

Sample ID: DU01-S011-01-10 **Collected:** 6/14/2017 11:15:00 AM **Analysis Type:** Initial **Dilution:** 35.82

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
N-BUTYLBENZENE	0.073	J	0.080	LOD	0.20	LOQ	mg/kg	J	RI
N-PROPYLBENZENE	0.059	J	0.080	LOD	0.20	LOQ	mg/kg	J	RI
p-Isopropyltoluene [p-Cymene]	0.042	J	0.080	LOD	0.20	LOQ	mg/kg	J	RI

Sample ID: DU01-S011-01-10 **Collected:** 6/14/2017 11:15:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 35.82

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1,1,2-TETRACHLOROETHANE	0.080	U	0.080	LOD	0.20	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP40 **Laboratory: LLL**

EDD Filename: APP40-C_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **VOA**

Method: **8260C** ***Matrix:*** **SOIL**

Sample ID: **DU01-S011-01-10** ***Collected:*** **6/14/2017 11:15:00 AM** ***Analysis Type:*** **Reanalysis-01** ***Dilution:*** **35.82**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1,1,1-TRICHLOROETHANE	0.080	U	0.080	LOD	0.20	LOQ	mg/kg	NP	ProfJudg
1,1,2,2-TETRACHLOROETHANE	0.080	U	0.080	LOD	0.20	LOQ	mg/kg	NP	ProfJudg
1,1,2-TRICHLOROETHANE	0.080	U	0.080	LOD	0.20	LOQ	mg/kg	NP	ProfJudg
1,1,2-Trifluoro-1,2,2-trichloroethane [Freon-113]	0.16	U	0.16	LOD	0.40	LOQ	mg/kg	NP	ProfJudg
1,1-DICHLOROETHANE	0.080	U	0.080	LOD	0.20	LOQ	mg/kg	NP	ProfJudg
1,1-DICHLOROETHENE	0.080	U	0.080	LOD	0.20	LOQ	mg/kg	NP	ProfJudg
1,2,3-TRICHLOROBENZENE	0.080	U	0.080	LOD	0.20	LOQ	mg/kg	NP	ProfJudg
1,2,4-TRIMETHYLBENZENE	0.51		0.080	LOD	0.20	LOQ	mg/kg	NP	Fd, ProfJudg
1,3,5-TRIMETHYLBENZENE	0.080	U	0.080	LOD	0.20	LOQ	mg/kg	NP	ProfJudg
1,4-DIOXANE	8.0	U	8.0	LOD	9.9	LOQ	mg/kg	NP	ProfJudg
2-Butanone [MEK]	0.32	U	0.32	LOD	0.40	LOQ	mg/kg	NP	ProfJudg
4-Methyl-2-pentanone [MIBK]	0.32	U	0.32	LOD	0.40	LOQ	mg/kg	NP	ProfJudg
ACETONE	0.64	U	0.64	LOD	0.80	LOQ	mg/kg	NP	ProfJudg
BENZENE	0.080	U	0.080	LOD	0.20	LOQ	mg/kg	NP	ProfJudg
CARBON DISULFIDE	0.080	U	0.080	LOD	0.20	LOQ	mg/kg	NP	ProfJudg
CARBON TETRACHLORIDE	0.080	U	0.080	LOD	0.20	LOQ	mg/kg	NP	ProfJudg
CHLOROETHANE	0.16	U	0.16	LOD	0.20	LOQ	mg/kg	NP	ProfJudg
CHLOROFORM	0.080	U	0.080	LOD	0.20	LOQ	mg/kg	NP	ProfJudg
CIS-1,2-DICHLOROETHENE	0.080	U	0.080	LOD	0.20	LOQ	mg/kg	NP	ProfJudg
CYCLOHEXANE	0.080	U	0.080	LOD	0.20	LOQ	mg/kg	NP	ProfJudg
ETHYLBENZENE	0.080	U	0.080	LOD	0.20	LOQ	mg/kg	NP	Fd, ProfJudg
ISOPROPYLBENZENE	0.080	U	0.080	LOD	0.20	LOQ	mg/kg	NP	Fd, ProfJudg
m/p-Xylene [3/4-Xylene]	0.080	U	0.080	LOD	0.20	LOQ	mg/kg	NP	ProfJudg
METHYL ACETATE	0.16	U	0.16	LOD	0.20	LOQ	mg/kg	NP	ProfJudg
Methyl tert-butyl ether [MTBE]	0.080	U	0.080	LOD	0.20	LOQ	mg/kg	NP	ProfJudg
Methylcyclohexane	0.080	U	0.080	LOD	0.20	LOQ	mg/kg	NP	Fd, ProfJudg
METHYLENE CHLORIDE	0.16	U	0.16	LOD	0.20	LOQ	mg/kg	NP	ProfJudg
N-BUTYLBENZENE	0.076	J	0.080	LOD	0.20	LOQ	mg/kg	NP	RI, Fd, ProfJudg
N-PROPYLBENZENE	0.059	J	0.080	LOD	0.20	LOQ	mg/kg	NP	RI, Fd, ProfJudg
O-XYLENE	0.080	U	0.080	LOD	0.20	LOQ	mg/kg	NP	Fd, ProfJudg
p-Isopropyltoluene [p-Cymene]	0.046	J	0.080	LOD	0.20	LOQ	mg/kg	NP	RI, Fd, ProfJudg
SEC-BUTYLBENZENE	0.080	U	0.080	LOD	0.20	LOQ	mg/kg	NP	Fd, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP40 **Laboratory: LLL**

EDD Filename: APP40-C_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **VOA**

Method: **8260C** ***Matrix:*** **SOIL**

Sample ID: **DU01-S011-01-10** ***Collected:*** **6/14/2017 11:15:00 AM** ***Analysis Type:*** **Reanalysis-01** ***Dilution:*** **35.82**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TERT-BUTYLBENZENE	0.080	U	0.080	LOD	0.20	LOQ	mg/kg	NP	ProfJudg
TETRACHLOROETHENE	0.080	U	0.080	LOD	0.20	LOQ	mg/kg	NP	ProfJudg
TOLUENE	0.080	U	0.080	LOD	0.20	LOQ	mg/kg	NP	ProfJudg
TRANS-1,2-DICHLOROETHENE	0.080	U	0.080	LOD	0.20	LOQ	mg/kg	NP	ProfJudg
TRICHLOROETHENE	0.080	U	0.080	LOD	0.20	LOQ	mg/kg	NP	ProfJudg
VINYL CHLORIDE	0.080	U	0.080	LOD	0.20	LOQ	mg/kg	NP	ProfJudg
Xylene (Total)	0.080	U	0.080	LOD	0.20	LOQ	mg/kg	NP	Fd, ProfJudg

Sample ID: **DU01-S011-01-10D** ***Collected:*** **6/14/2017 11:15:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **33.69**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,4-TRIMETHYLBENZENE	1.6		0.075	LOD	0.19	LOQ	mg/kg	J	Fd
ETHYLBENZENE	0.097	J	0.075	LOD	0.19	LOQ	mg/kg	J	Rl, Fd
ISOPROPYLBENZENE	0.081	J	0.075	LOD	0.19	LOQ	mg/kg	J	Rl, Fd
Methylcyclohexane	0.17	J	0.075	LOD	0.19	LOQ	mg/kg	J	Rl, Fd
N-BUTYLBENZENE	0.24		0.075	LOD	0.19	LOQ	mg/kg	J	Fd
N-PROPYLBENZENE	0.22		0.075	LOD	0.19	LOQ	mg/kg	J	Fd
O-XYLENE	0.042	J	0.075	LOD	0.19	LOQ	mg/kg	J	Rl, Fd
p-Isopropyltoluene [p-Cymene]	0.14	J	0.075	LOD	0.19	LOQ	mg/kg	J	Rl, Fd
SEC-BUTYLBENZENE	0.13	J	0.075	LOD	0.19	LOQ	mg/kg	J	Rl, Fd
Xylene (Total)	0.042	J	0.075	LOD	0.19	LOQ	mg/kg	J	Rl, Fd

Sample ID: **DU01-S012-01-10** ***Collected:*** **6/14/2017 10:30:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **0.71**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACETONE	0.012	J	0.014	LOD	0.017	LOQ	mg/kg	J	Rl

Sample ID: **DU01-S014-01-10** ***Collected:*** **6/14/2017 1:00:00 PM** ***Analysis Type:*** **Initial** ***Dilution:*** **0.76**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACETONE	0.014	J	0.013	LOD	0.016	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP40

Laboratory: LLL

EDD Filename: APP40-C_2a_1

eQAPP Name: CAMP_HERO_NP_PIII

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP40 **Laboratory: LLL**

EDD Filename: APP40-C_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Reason Code Legend

Reason Code	*Description*
Eb	Equipment Blank Contamination
Fd	Field Duplicate Precision
Lcs	Laboratory Control Spike Lower Estimation
Ld	Laboratory Duplicate Precision
Ms	Matrix Spike Lower Estimation
Ms	Matrix Spike Precision
Ms	Matrix Spike Upper Estimation
ProfJudg	Professional Judgment
Rl	Reporting Limit Trace Value
Surr	Surrogate/Tracer Recovery Lower Estimation

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Surrogate Outlier Report

Lab Reporting Batch ID: APP40 **Laboratory: LLL**

EDD Filename: APP40-C_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8260C**
Matrix: **SOIL**

Sample ID (Analysis Type)	*Surrogate*	*Sample % Recovery*	*% Recovery Limits*	*Affected Compounds*	*Flag*
DU01-S011-01-10 (Reanalysis-01)	TOLUENE-D8	77	85.00-116.00	No Affected Compounds	
DU01-S011-01-10 (Initial)	TOLUENE-D8	75	85.00-116.00	No Affected Compounds	

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP40 **Laboratory: LLL**

EDD Filename: APP40-C_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SOIL

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
DU01-S001-01-10MS (Wet) DU01-S001-01-10MSD (Wet) (DU01-S001-01-10)	CALCIUM IRON MAGNESIUM MANGANESE	85 -664 70 -210	126 446 199 692	86.00-118.00 81.00-124.00 80.00-123.00 85.00-116.00	- - - 30 (20.00)	CALCIUM IRON MAGNESIUM MANGANESE	J (all detects) UJ (all non-detects)
DU01-S001-01-10MS (Wet) DU01-S001-01-10MSD (Wet) (DU01-S001-01-10)	ANTIMONY ARSENIC CHROMIUM COPPER LEAD	62 64 81 72 66	60 - - - -	72.00-124.00 82.00-118.00 83.00-119.00 84.00-119.00 84.00-118.00	- - - - -	ANTIMONY ARSENIC CHROMIUM COPPER LEAD	J-(all detects) UJ(all non-detects)
DU01-S001-01-10MS (Wet) DU01-S001-01-10MSD (Wet) (DU01-S001-01-10)	ALUMINUM BARIUM POTASSIUM VANADIUM ZINC	509 - - 131 173	355 245 135 123 193	78.00-124.00 86.00-116.00 85.00-119.00 82.00-116.00 82.00-119.00	- - - - -	ALUMINUM BARIUM POTASSIUM VANADIUM ZINC	J+(all detects)

Method: 8270D
Matrix: SOIL

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
DU01-S001-01-10MSD (DU01-S001-01-10)	2-CHLORONAPHTHALENE	-	115	41.00-114.00	39 (20.00)	2-CHLORONAPHTHALENE	J(all detects)

Method: 8270D SIM
Matrix: SOIL

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
DU01-S001-01-10MS DU01-S001-01-10MSD (DU01-S001-01-10)	ANTHRACENE	155	-	50.00-114.00	46 (20.00)	ANTHRACENE	J(all detects)
DU01-S001-01-10MS DU01-S001-01-10MSD (DU01-S001-01-10)	1-METHYLNAPHTHALENE 2-METHYLNAPHTHALENE FLUORENE NAPHTHALENE PHENANTHRENE	114 - 211 129 395	137 118 169 115 314	43.00-111.00 39.00-114.00 47.00-114.00 38.00-111.00 49.00-113.00	- - - - -	1-METHYLNAPHTHALENE 2-METHYLNAPHTHALENE FLUORENE NAPHTHALENE PHENANTHRENE	J+(all detects)

Method: 8260C
Matrix: SOIL

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
DU01-S001-01-10MS DU01-S001-01-10MSD (DU01-S001-01-10)	1,4-DIOXANE	171	-	55.00-138.00	23 (20.00)	1,4-DIOXANE	J(all detects)
DU01-S001-01-10MS DU01-S001-01-10MSD (DU01-S001-01-10)	1,1,2-TRICHLOROETHANE 1,1,2-Trifluoro-1,2,2-trichloroethane [	122 -	- 138	78.00-121.00 66.00-136.00	- -	1,1,2-TRICHLOROETHANE 1,1,2-Trifluoro-1,2,2-trichloroethane	J+(all detects)

Project Name and Number: Camp Hero - Camp Hero

Lab Duplicate Outlier Report

Lab Reporting Batch ID: APP40 **Laboratory: LLL**

EDD Filename: APP40-C_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SOIL

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
DU01-S001-01-10DUP (Wet) (DU01-S001-01-10)	SELENIUM	71	20.00	J (all detects) UJ (all non-detects)

Method: 7199
Matrix: SOIL

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
DU01-S001-01-10DUP (Wet) (DU01-S001-01-10)	Hexavalent Chromium [Cr (VI)]	127	20.00	J(all detects) UJ(all non-detects)

Method: 7471B
Matrix: SOIL

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
DU01-S001-01-10DUP (Wet) (DU01-S001-01-10)	MERCURY	200	20.00	J(all detects) UJ(all non-detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: APP40 **Laboratory: LLL**

EDD Filename: APP40-C_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SOIL

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU01-S002-01-10 (Dry)	DU01-S002-01-10D (Dry)			
ALUMINUM	18000	14100	24	30.00	No Qualifiers Applied
ARSENIC	3.59	2.94	20	30.00	
BARIUM	80.9	62.4	26	30.00	
BERYLLIUM	0.831	0.662	23	30.00	
CALCIUM	837	859	3	30.00	
CHROMIUM	26.3	21.0	22	30.00	
COBALT	7.65	6.00	24	30.00	
COPPER	15.1	11.6	26	30.00	
IRON	20500	15900	25	30.00	
LEAD	6.35	5.13	21	30.00	
MAGNESIUM	4620	3620	24	30.00	
MANGANESE	326	249	27	30.00	
NICKEL	17.1	12.9	28	30.00	
SODIUM	125	111	12	30.00	
VANADIUM	46.5	35.5	27	30.00	
ZINC	37.7	31.2	19	30.00	
CADMIUM	0.0337	0.205 U	200	30.00	J(all detects) UJ(all non-detects)
POTASSIUM	3860	2570	40	30.00	
SELENIUM	0.0958	0.820 U	200	30.00	
THALLIUM	0.286	0.187	42	30.00	

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU01-S011-01-10 (Dry)	DU01-S011-01-10D (Dry)			
ALUMINUM	9680	9720	0	30.00	No Qualifiers Applied
ARSENIC	2.62	2.16	19	30.00	
BARIUM	49.5	46.6	6	30.00	
BERYLLIUM	0.385	0.414	7	30.00	
CHROMIUM	15.3	14.4	6	30.00	
COBALT	4.56	3.87	16	30.00	
COPPER	8.29	8.04	3	30.00	
IRON	13200	11900	10	30.00	
LEAD	5.36	4.85	10	30.00	
MAGNESIUM	2550	2400	6	30.00	
MANGANESE	192	166	15	30.00	
NICKEL	8.55	8.44	1	30.00	
POTASSIUM	1860	1760	6	30.00	
SODIUM	93.4	101	8	30.00	
THALLIUM	0.146	0.122	18	30.00	
VANADIUM	26.2	24.3	8	30.00	
ZINC	23.4	21.4	9	30.00	
CALCIUM	2880	1750	49	30.00	J(all detects) UJ(all non-detects)

Method: 7199
Matrix: SOIL

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU01-S011-01-10 (Dry)	DU01-S011-01-10D (Dry)			
Hexavalent Chromium [Cr (VI)]	2.5	0.42	142	30.00	J(all detects) UJ(all non-detects)

Project Name and Number: Camp Hero - Camp Hero

Field Duplicate RPD Report

Lab Reporting Batch ID: APP40 **Laboratory: LLL**

EDD Filename: APP40-C_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 7471B
Matrix: SOIL

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU01-S002-01-10 (Dry)	DU01-S002-01-10D (Dry)			
MERCURY	0.0121	0.113 U	200	30.00	J(all detects) UJ(all non-detects)

Method: 8260C
Matrix: SOIL

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU01-S002-01-10	DU01-S002-01-10D			
ACETONE	0.015	0.016	6	30.00	No Qualifiers Applied

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU01-S011-01-10	DU01-S011-01-10D			
1,2,4-TRIMETHYLBENZENE	0.49	1.6	106	30.00	No Qualifiers Applied
ETHYLBENZENE	0.20 U	0.097	200	30.00	
ISOPROPYLBENZENE	0.20 U	0.081	200	30.00	
Methylcyclohexane	0.20 U	0.17	200	30.00	
N-BUTYLBENZENE	0.073	0.24	107	30.00	
N-PROPYLBENZENE	0.059	0.22	115	30.00	
O-XYLENE	0.20 U	0.042	200	30.00	
p-Isopropyltoluene [p-Cymene]	0.042	0.14	108	30.00	
SEC-BUTYLBENZENE	0.20 U	0.13	200	30.00	
Xylene (Total)	0.20 U	0.042	200	30.00	

Method: 8270D SIM
Matrix: SOIL

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU01-S002-01-10	DU01-S002-01-10D			
PHENANTHRENE	0.00078	0.00087	11	30.00	No Qualifiers Applied
BENZ(A)ANTHRACENE	0.0019 U	0.0011	200	30.00	J(all detects) UJ(all non-detects)
BENZO(A)PYRENE	0.0019 U	0.0010	200	30.00	
BENZO(B)FLUORANTHENE	0.0019 U	0.0014	200	30.00	
CHRYSENE	0.0019 U	0.0012	200	30.00	
FLUORANTHENE	0.0019 U	0.0017	200	30.00	
PYRENE	0.00046	0.0016	111	30.00	

Field Duplicate RPD Report

Lab Reporting Batch ID: APP40 **Laboratory: LLL**

EDD Filename: APP40-C_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D
Matrix: SOIL

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU01-S011-01-10	DU01-S011-01-10D			
1,1-BIPHENYL	2.6	2.4	8	30.00	
1-METHYLNAPHTHALENE	11	9.3	17	30.00	
2-METHYLNAPHTHALENE	17	15	12	30.00	
ACENAPHTHENE	1.0	0.93	7	30.00	
ANTHRACENE	0.40	0.34	16	30.00	
BENZ(A)ANTHRACENE	0.010	0.095 U	200	30.00	
Benzo (g,h,i) perylene	0.006	0.095 U	200	30.00	
BENZO(A)PYRENE	0.007	0.095 U	200	30.00	
BENZO(B)FLUORANTHENE	0.011	0.095 U	200	30.00	No Qualifiers Applied
BENZO(K)FLUORANTHENE	0.005	0.095 U	200	30.00	
CHRYSENE	0.017	0.095 U	200	30.00	
DIBENZOFURAN	0.80	0.70	13	30.00	
FLUORANTHENE	0.081	0.067	19	30.00	
FLUORENE	1.6	1.4	13	30.00	
INDENO(1,2,3-CD)PYRENE	0.005	0.095 U	200	30.00	
NAPHTHALENE	3.3	2.9	13	30.00	
PHENANTHRENE	2.8	2.4	15	30.00	
PYRENE	0.17	0.14	19	30.00	
2-CHLORONAPHTHALENE	0.18 U	0.047	200	30.00	J(all detects)
ACENAPHTHYLENE	0.40	0.29	32	30.00	UJ(all non-detects)

Method: 9045D
Matrix: SOIL

Analyte	Concentration (pH Units)		Sample RPD	eQAPP RPD	Flag
	DU01-S011-01-10	DU01-S011-01-10D			
PH	7.67	7.80	2	30.00	No Qualifiers Applied

Method: Calculation
Matrix: SOIL

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU01-S011-01-10 (Dry)	DU01-S011-01-10D (Dry)			
TRIVALENT CHROMIUM	12.8	14.0	9	20.00	No Qualifiers Applied

Method: D1498
Matrix: SOIL

Analyte	Concentration (mV)		Sample RPD	eQAPP RPD	Flag
	DU01-S011-01-10	DU01-S011-01-10D			
Oxidation Reduction Potential (ORP)	344	293	16	30.00	No Qualifiers Applied

Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP40 **Laboratory: LLL**

EDD Filename: APP40-C_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**
Matrix: **SOIL**

QC Sample ID (Associated Samples)	*Compound*	*LCS %R*	*LCSD %R*	*%R Limits*	*RPD (Limits)*	*Affected Compounds*	*Flag*
P17263IQ172063709 (Wet) (DU01-S001-01-10 DU01-S002-01-10 DU01-S002-01-10D DU01-S003-01-10 DU01-S004-01-10 DU01-S005-01-10 DU01-S006-01-10 DU01-S007-01-10 DU01-S008-01-10 DU01-S009-01-10 DU01-S010-01-10 DU01-S011-01-10 DU01-S011-01-10D DU01-S012-01-10 DU01-S013-01-10 DU01-S014-01-10 DU01-S015-01-10 DU01-S016-01-10)	MANGANESE	48	-	85.00-116.00	-	MANGANESE	J- (all detects) UJ (all non-detects)

Project Name and Number: Camp Hero - Camp Hero

Reporting Limit Outliers

Lab Reporting Batch ID: APP40 **Laboratory: LLL**

EDD Filename: APP40-C_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU01-S001-01-10	CADMIUM SELENIUM	J J	0.0364 0.225	0.194 0.777	LOQ LOQ	mg/kg mg/kg	J (all detects)
DU01-S002-01-10	CADMIUM SELENIUM	J J	0.0337 0.0958	0.154 0.616	LOQ LOQ	mg/kg mg/kg	J (all detects)
DU01-S002-01-10D	THALLIUM	J	0.187	0.205	LOQ	mg/kg	J (all detects)
DU01-S003-01-10	CADMIUM SELENIUM	J J	0.0436 0.182	0.152 0.608	LOQ LOQ	mg/kg mg/kg	J (all detects)
DU01-S004-01-10	SELENIUM SILVER THALLIUM	J J J	0.274 0.0281 0.129	0.742 0.186 0.186	LOQ LOQ LOQ	mg/kg mg/kg mg/kg	J (all detects)
DU01-S005-01-10	CADMIUM SELENIUM	J J	0.0460 0.109	0.170 0.680	LOQ LOQ	mg/kg mg/kg	J (all detects)
DU01-S006-01-10	CADMIUM THALLIUM	J J	0.0755 0.161	0.211 0.211	LOQ LOQ	mg/kg mg/kg	J (all detects)
DU01-S007-01-10	CADMIUM THALLIUM	J J	0.0633 0.164	0.176 0.176	LOQ LOQ	mg/kg mg/kg	J (all detects)
DU01-S008-01-10	CADMIUM SELENIUM THALLIUM	J J J	0.0744 0.135 0.191	0.247 0.989 0.247	LOQ LOQ LOQ	mg/kg mg/kg mg/kg	J (all detects)
DU01-S009-01-10	CADMIUM	J	0.0560	0.231	LOQ	mg/kg	J (all detects)
DU01-S010-01-10	SELENIUM THALLIUM	J J	0.145 0.156	0.763 0.191	LOQ LOQ	mg/kg mg/kg	J (all detects)
DU01-S011-01-10	THALLIUM	J	0.146	0.195	LOQ	mg/kg	J (all detects)
DU01-S011-01-10D	THALLIUM	J	0.122	0.175	LOQ	mg/kg	J (all detects)
DU01-S012-01-10	CADMIUM	J	0.0518	0.214	LOQ	mg/kg	J (all detects)
DU01-S014-01-10	THALLIUM	J	0.142	0.204	LOQ	mg/kg	J (all detects)
DU01-S015-01-10	CADMIUM SELENIUM THALLIUM	J J J	0.0300 0.0986 0.156	0.173 0.691 0.173	LOQ LOQ LOQ	mg/kg mg/kg mg/kg	J (all detects)
DU01-S016-01-10	CADMIUM SELENIUM	J J	0.0679 0.101	0.175 0.700	LOQ LOQ	mg/kg mg/kg	J (all detects)

Method: 7199

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU01-S011-01-10D	Hexavalent Chromium [Cr (VI)]	J	0.42	0.45	LOQ	mg/kg	J (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP40 **Laboratory: LLL**

EDD Filename: APP40-C_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 7471B

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU01-S001-01-10	MERCURY	J	0.0120	0.107	LOQ	mg/kg	J (all detects)
DU01-S002-01-10	MERCURY	J	0.0121	0.110	LOQ	mg/kg	J (all detects)
DU01-S003-01-10	MERCURY	J	0.0107	0.103	LOQ	mg/kg	J (all detects)
DU01-S004-01-10	MERCURY	J	0.0251	0.105	LOQ	mg/kg	J (all detects)
DU01-S007-01-10	MERCURY	J	0.0122	0.105	LOQ	mg/kg	J (all detects)

Method: 8260C

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU01-S001-01-10	SEC-BUTYLBENZENE	J	0.003	0.004	LOQ	mg/kg	J (all detects)
DU01-S005-01-10	CARBON DISULFIDE	J	0.002	0.004	LOQ	mg/kg	J (all detects)
	N-BUTYLBENZENE	J	0.002	0.004	LOQ	mg/kg	
	N-PROPYLBENZENE	J	0.001	0.004	LOQ	mg/kg	
	SEC-BUTYLBENZENE	J	0.003	0.004	LOQ	mg/kg	
DU01-S006-01-10	2-Butanone [MEK]	J	0.005	0.008	LOQ	mg/kg	J (all detects)
	ETHYLBENZENE	J	0.002	0.004	LOQ	mg/kg	
	m/p-Xylene [3/4-Xylene]	J	0.002	0.004	LOQ	mg/kg	
	Methylcyclohexane	J	0.002	0.004	LOQ	mg/kg	
	Xylene (Total)	J	0.002	0.004	LOQ	mg/kg	
DU01-S007-01-10	ACETONE	J	0.01	0.015	LOQ	mg/kg	J (all detects)
	CARBON DISULFIDE	J	0.003	0.004	LOQ	mg/kg	
	m/p-Xylene [3/4-Xylene]	J	0.003	0.004	LOQ	mg/kg	
	Xylene (Total)	J	0.003	0.004	LOQ	mg/kg	
DU01-S011-01-10	N-BUTYLBENZENE	J	0.076	0.20	LOQ	mg/kg	J (all detects)
	N-PROPYLBENZENE	J	0.059	0.20	LOQ	mg/kg	
	p-Isopropyltoluene [p-Cymene]	J	0.046	0.20	LOQ	mg/kg	
DU01-S011-01-10D	ETHYLBENZENE	J	0.097	0.19	LOQ	mg/kg	J (all detects)
	ISOPROPYLBENZENE	J	0.081	0.19	LOQ	mg/kg	
	Methylcyclohexane	J	0.17	0.19	LOQ	mg/kg	
	O-XYLENE	J	0.042	0.19	LOQ	mg/kg	
	p-Isopropyltoluene [p-Cymene]	J	0.14	0.19	LOQ	mg/kg	
	SEC-BUTYLBENZENE	J	0.13	0.19	LOQ	mg/kg	
	Xylene (Total)	J	0.042	0.19	LOQ	mg/kg	
DU01-S012-01-10	ACETONE	J	0.012	0.017	LOQ	mg/kg	J (all detects)
DU01-S014-01-10	ACETONE	J	0.014	0.016	LOQ	mg/kg	J (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP40 **Laboratory: LLL**

EDD Filename: APP40-C_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D**

Matrix: **SOIL**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
DU01-S001-01-10	1,1-BIPHENYL	J	0.020	0.037	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.005	0.019	LOQ	mg/kg	
	ACENAPHTHENE	J	0.017	0.019	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.009	0.019	LOQ	mg/kg	
	ANTHRACENE	J	0.009	0.019	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.004	0.019	LOQ	mg/kg	
	CHRYSENE	J	0.006	0.019	LOQ	mg/kg	
	FLUORANTHENE	J	0.007	0.019	LOQ	mg/kg	
	NAPHTHALENE	J	0.005	0.019	LOQ	mg/kg	
	PYRENE	J	0.011	0.019	LOQ	mg/kg	
DU01-S003-01-10	BENZ(A)ANTHRACENE	J	0.012	0.019	LOQ	mg/kg	J (all detects)
	Benzo (g,h,i) perylene	J	0.007	0.019	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.009	0.019	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.014	0.019	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.007	0.019	LOQ	mg/kg	
	CHRYSENE	J	0.014	0.019	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.007	0.019	LOQ	mg/kg	
	PHENANTHRENE	J	0.011	0.019	LOQ	mg/kg	
DU01-S004-01-10	ACENAPHTHENE	J	0.017	0.019	LOQ	mg/kg	J (all detects)
	ANTHRACENE	J	0.012	0.019	LOQ	mg/kg	
	BENZ(A)ANTHRACENE	J	0.006	0.019	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.005	0.019	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.008	0.019	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.009	0.019	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.004	0.019	LOQ	mg/kg	
	BENZOIC ACID	J	0.22	0.57	LOQ	mg/kg	
	CHRYSENE	J	0.007	0.019	LOQ	mg/kg	
	FLUORANTHENE	J	0.015	0.019	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.005	0.019	LOQ	mg/kg	
	PYRENE	J	0.017	0.019	LOQ	mg/kg	
DU01-S006-01-10	BENZ(A)ANTHRACENE	J	0.011	0.019	LOQ	mg/kg	J (all detects)
	Benzo (g,h,i) perylene	J	0.013	0.019	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.008	0.019	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.011	0.019	LOQ	mg/kg	
	CHRYSENE	J	0.017	0.019	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.009	0.019	LOQ	mg/kg	
DU01-S007-01-10	1,1-BIPHENYL	J	0.034	0.037	LOQ	mg/kg	J (all detects)
	FLUORANTHENE	J	0.01	0.019	LOQ	mg/kg	
DU01-S008-01-10	Benzo (g,h,i) perylene	J	0.004	0.021	LOQ	mg/kg	J (all detects)
	BENZO(A)PYRENE	J	0.005	0.021	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.006	0.021	LOQ	mg/kg	
	CHRYSENE	J	0.004	0.021	LOQ	mg/kg	
	FLUORANTHENE	J	0.009	0.021	LOQ	mg/kg	
	PHENANTHRENE	J	0.005	0.021	LOQ	mg/kg	
	PYRENE	J	0.008	0.021	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP40 **Laboratory: LLL**

EDD Filename: APP40-C_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU01-S010-01-10	BENZ(A)ANTHRACENE	J	0.005	0.018	LOQ	mg/kg	J (all detects)
	BENZO(A)PYRENE	J	0.006	0.018	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.008	0.018	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.004	0.018	LOQ	mg/kg	
	CHRYSENE	J	0.007	0.018	LOQ	mg/kg	
	FLUORANTHENE	J	0.011	0.018	LOQ	mg/kg	
	PHENANTHRENE	J	0.011	0.018	LOQ	mg/kg	
	PYRENE	J	0.011	0.018	LOQ	mg/kg	
DU01-S011-01-10	BENZ(A)ANTHRACENE	J	0.010	0.019	LOQ	mg/kg	J (all detects)
	Benzo (g,h,i) perylene	J	0.006	0.019	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.007	0.019	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.011	0.019	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.005	0.019	LOQ	mg/kg	
	CHRYSENE	J	0.017	0.019	LOQ	mg/kg	
	FLUORANTHENE	J	0.081	0.093	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.005	0.019	LOQ	mg/kg	
DU01-S011-01-10D	2-CHLORONAPHTHALENE	J	0.047	0.18	LOQ	mg/kg	J (all detects)
	BENZ(A)ANTHRACENE	J	0.011	0.019	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.008	0.019	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.009	0.019	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.016	0.019	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.005	0.019	LOQ	mg/kg	
	CHRYSENE	J	0.015	0.019	LOQ	mg/kg	
	FLUORANTHENE	J	0.062	0.095	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.007	0.019	LOQ	mg/kg	
DU01-S015-01-10	BENZ(A)ANTHRACENE	J	0.011	0.019	LOQ	mg/kg	J (all detects)
	Benzo (g,h,i) perylene	J	0.01	0.019	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.012	0.019	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.015	0.019	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.007	0.019	LOQ	mg/kg	
	CHRYSENE	J	0.011	0.019	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.008	0.019	LOQ	mg/kg	
	PHENANTHRENE	J	0.01	0.019	LOQ	mg/kg	
DU01-S016-01-10	1-METHYLNAPHTHALENE	J	0.005	0.021	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.007	0.021	LOQ	mg/kg	
	BENZ(A)ANTHRACENE	J	0.010	0.021	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.01	0.021	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.012	0.021	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.016	0.021	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.007	0.021	LOQ	mg/kg	
	CHRYSENE	J	0.010	0.021	LOQ	mg/kg	
	FLUORANTHENE	J	0.016	0.021	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.008	0.021	LOQ	mg/kg	
	PHENANTHRENE	J	0.006	0.021	LOQ	mg/kg	
	PYRENE	J	0.015	0.021	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP40 **Laboratory: LLL**

EDD Filename: APP40-C_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**

Matrix: **SOIL**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
DU01-S001-01-10	BENZO(G,H,I)PERYLENE	J	0.0011	0.0019	LOQ	mg/kg	J (all detects)
	INDENO(1,2,3-CD)PYRENE	J	0.0011	0.0019	LOQ	mg/kg	
DU01-S002-01-10	PHENANTHRENE	J	0.00078	0.0019	LOQ	mg/kg	J (all detects)
	PYRENE	J	0.00046	0.0019	LOQ	mg/kg	
DU01-S002-01-10D	BENZ(A)ANTHRACENE	J	0.0011	0.0019	LOQ	mg/kg	J (all detects)
	BENZO(A)PYRENE	J	0.0010	0.0019	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.0014	0.0019	LOQ	mg/kg	
	CHRYSENE	J	0.0012	0.0019	LOQ	mg/kg	
	FLUORANTHENE	J	0.0017	0.0019	LOQ	mg/kg	
	PHENANTHRENE	J	0.00087	0.0019	LOQ	mg/kg	
	PYRENE	J	0.0016	0.0019	LOQ	mg/kg	
DU01-S003-01-10	1-METHYLNAPHTHALENE	J	0.00090	0.0018	LOQ	mg/kg	J (all detects)
	DIBENZO(A,H)ANTHRACENE	J	0.0011	0.0018	LOQ	mg/kg	
	FLUORENE	J	0.00076	0.0018	LOQ	mg/kg	
	NAPHTHALENE	J	0.00098	0.0018	LOQ	mg/kg	
DU01-S004-01-10	BENZO(G,H,I)PERYLENE	J	0.0016	0.0019	LOQ	mg/kg	J (all detects)
	INDENO(1,2,3-CD)PYRENE	J	0.0016	0.0019	LOQ	mg/kg	
DU01-S007-01-10	BENZ(A)ANTHRACENE	J	0.0013	0.0018	LOQ	mg/kg	J (all detects)
	BENZO(A)PYRENE	J	0.0011	0.0018	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.00079	0.0018	LOQ	mg/kg	
DU01-S008-01-10	2-METHYLNAPHTHALENE	J	0.0016	0.0021	LOQ	mg/kg	J (all detects)
	ACENAPHTHYLENE	J	0.00045	0.0021	LOQ	mg/kg	
	BENZO(G,H,I)PERYLENE	J	0.0018	0.0021	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.0016	0.0021	LOQ	mg/kg	
	NAPHTHALENE	J	0.0020	0.0021	LOQ	mg/kg	
DU01-S009-01-10	BENZO(B)FLUORANTHENE	J	0.00080	0.0020	LOQ	mg/kg	J (all detects)
	CHRYSENE	J	0.0011	0.0020	LOQ	mg/kg	
DU01-S010-01-10	1-METHYLNAPHTHALENE	J	0.00080	0.0018	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.0012	0.0018	LOQ	mg/kg	
	BENZO(G,H,I)PERYLENE	J	0.0012	0.0018	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.0012	0.0018	LOQ	mg/kg	
	NAPHTHALENE	J	0.00079	0.0018	LOQ	mg/kg	
DU01-S012-01-10	ANTHRACENE	J	0.00041	0.0020	LOQ	mg/kg	J (all detects)
	BENZ(A)ANTHRACENE	J	0.0015	0.0020	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.0018	0.0020	LOQ	mg/kg	
	BENZO(G,H,I)PERYLENE	J	0.00098	0.0020	LOQ	mg/kg	
	CHRYSENE	J	0.0018	0.0020	LOQ	mg/kg	
	PHENANTHRENE	J	0.0011	0.0020	LOQ	mg/kg	
DU01-S015-01-10	1-METHYLNAPHTHALENE	J	0.0011	0.0018	LOQ	mg/kg	J (all detects)
	ACENAPHTHYLENE	J	0.00089	0.0018	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.0013	0.0018	LOQ	mg/kg	
	FLUORENE	J	0.00095	0.0018	LOQ	mg/kg	
	NAPHTHALENE	J	0.0014	0.0018	LOQ	mg/kg	
DU01-S016-01-10	ANTHRACENE	J	0.00081	0.0021	LOQ	mg/kg	J (all detects)
	DIBENZO(A,H)ANTHRACENE	J	0.0012	0.0021	LOQ	mg/kg	
	NAPHTHALENE	J	0.0013	0.0021	LOQ	mg/kg	

Equipment Rinsate Blank Outlier Report

Lab Reporting Batch ID: APP40 **Laboratory: LLL**

EDD Filename: APP40-C_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**
Matrix: **SOIL**

Equipment Blank Sample ID	Collected Date	Analyte	Result	Associated Samples
EB-SO061417-01(Initial/TOT)	6/14/2017 12:15:00 PM	NAPHTHALENE	0.22 ug/l	DU01-S001-01-10 DU01-S002-01-10 DU01-S002-01-10D DU01-S003-01-10 DU01-S004-01-10 DU01-S005-01-10 DU01-S006-01-10 DU01-S007-01-10 DU01-S008-01-10 DU01-S009-01-10 DU01-S010-01-10 DU01-S011-01-10 DU01-S011-01-10D DU01-S012-01-10 DU01-S013-01-10 DU01-S014-01-10 DU01-S015-01-10 DU01-S016-01-10

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
DU01-S003-01-10(Initial)	NAPHTHALENE	0.00098 mg/kg	0.0018U mg/kg
DU01-S010-01-10(Initial)	NAPHTHALENE	0.00079 mg/kg	0.0018U mg/kg

Project Name and Number: Camp Hero - Camp Hero

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Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page	1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.		
Laboratory SDG:	APP43		
Date(s) of Collection:	June 14th, 2017		
Number/Type Samples & Analyses:	24 soil samples and 3 duplicates for a project-specific list of SVOCs and PAHs		
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA		
Completed:	August 28th, 2017		

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for soil data included in Sample Delivery Group (SDG) APP43. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017.

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✓ Holding times and sample preservation

✗ Laboratory method blank data

✓ Field rinsate blank data

NA Trip blank data

✓ Laboratory control sample (LCS) recoveries

✓ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✗ Surrogate recoveries

✓ Laboratory duplicate results

✗ Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of "J" data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

All the soil samples were run for regular 8270D and 8270D SIM except for DU12-S008-00-01, DU12-S011-00-01, DU12-S012-00-01 and DU12-S008-01-10. The final results will be presented in 8270D SIM.

Pyrene was over calibration in method 8270D SIM in samples DU12-S016-00-01. The sample was diluted and re-analyzed. All results will be presented in the undiluted except for the analyte that was over calibration.

Several analytes were over calibration in method 8270D in samples DU12-S008-00-01 (acenaphthalene, anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene which was rejected due to analytical issues, carbazole, chrysene, dibenz(a,h)anthracene, dibenzofuran, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, naphthalene, phenanthrene, and pyrene), DU12-S008-01-10 (fluoranthene, phenanthrene, and pyrene), and DU12-S011-00-01 (benzo(a)anthracene, benzo(b)fluoranthene, fluoranthene, phenanthrene, and pyrene) The samples were diluted and re-analyzed. All results will be presented in the undiluted except for the analytes that were over calibration.

Sample DU14-S006-00-01 was analyzed for 8270D SIM three times. The recovery for the internal standard was outside acceptance limits. The sample was re-analyzed and the internal standards were again outside acceptance limits indicating a matrix effect. The sample was re-extracted outside the method required holding time and the QC was acceptable. Final results will be presented in the regular 8270D.

Sample DU14-S004-00-01 had low surrogate recovery in method 8270D SIM. The sample was re-extracted outside the method required holding time. The initial results will be presented as the final results.

Sample DU14-S004-00-01 was analyzed two times because of low surrogate recovery for 8270D. The sample was re-extracted outside the method required holding time. The initial results will be presented as final.

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP43 **Laboratory: LLL**

EDD Filename: APP43-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Validation Area	*Note*
Technical Holding Times	SR
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	SR
Surrogate/Tracer Spikes	SR
Matrix Spike/Matrix Spike Duplicates	N
Laboratory Duplicates	N
Laboratory Replicates	N
Laboratory Control Samples	SR
Compound Quantitation	SR
Field Duplicates	SR
Field Triplicates	N
Field Blanks	SR

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP43 **Laboratory: LLL**

EDD Filename: APP43-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU12-S008-00-01 **Collected:** 6/14/2017 8:10:00 AM **Analysis Type:** Dilution-01 **Dilution:** 100

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	6.2		3.6	LOD	3.6	LOQ	mg/kg	NP	ProfJudg
2-Methylphenol (o-Cresol)	3.6	U	3.6	LOD	3.6	LOQ	mg/kg	NP	ProfJudg
4-Chloroaniline [p-Chloroaniline]	7.2	U	7.2	LOD	7.2	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU12-S008-00-01 **Collected:** 6/14/2017 8:10:00 AM **Analysis Type:** Dilution-01-ACID **Dilution:** 100

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	3.6	U	3.6	LOD	3.6	LOQ	mg/kg	NP	ProfJudg
4-CHLORO-3-METHYLPHENOL	3.6	U	3.6	LOD	3.6	LOQ	mg/kg	NP	ProfJudg
BENZOIC ACID	54	U	54	LOD	54	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU12-S008-00-01 **Collected:** 6/14/2017 8:10:00 AM **Analysis Type:** Dilution-01-BASE/ NEUTRAL **Dilution:** 100

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	3.6	U	3.6	LOD	3.6	LOQ	mg/kg	NP	ProfJudg
1-METHYLNAPHTHALENE	11		0.72	LOD	1.8	LOQ	mg/kg	NP	ProfJudg
2-CHLORONAPHTHALENE	1.4	U	1.4	LOD	3.6	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	16		0.72	LOD	1.8	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	4.0		0.72	LOD	1.8	LOQ	mg/kg	NP	ProfJudg
BENZALDEHYDE	14	U	14	LOD	18	LOQ	mg/kg	NP	ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	14	U	14	LOD	18	LOQ	mg/kg	NP	ProfJudg
Butyl benzyl phthalate	14	U	14	LOD	18	LOQ	mg/kg	NP	ProfJudg
CAPROLACTAM	14	U	14	LOD	18	LOQ	mg/kg	NP	ProfJudg
DIETHYL PHTHALATE	14	U	14	LOD	18	LOQ	mg/kg	NP	ProfJudg
DIMETHYL PHTHALATE	14	U	14	LOD	18	LOQ	mg/kg	NP	ProfJudg
DI-N-BUTYL PHTHALATE	14	U	14	LOD	18	LOQ	mg/kg	NP	ProfJudg
DI-N-OCTYL PHTHALATE	14	U	14	LOD	18	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU12-S008-00-01 **Collected:** 6/14/2017 8:10:00 AM **Analysis Type:** Initial **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-Methylphenol (o-Cresol)	0.12	J	0.18	LOD	0.18	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP43 **Laboratory: LLL**

EDD Filename: APP43-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU12-S008-00-01 **Collected:** 6/14/2017 8:10:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	45	E	0.036	LOD	0.092	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	69	E	0.036	LOD	0.092	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	160	E	0.036	LOD	0.092	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	57	E	0.036	LOD	0.092	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	85	E	0.036	LOD	0.092	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	130	E	0.036	LOD	0.092	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.036	U Z	0.036	LOD	0.092	LOQ	mg/kg	R	ProfJudg
CARBAZOLE	36	E	0.18	LOD	0.18	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	71	E	0.036	LOD	0.092	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	22	E	0.036	LOD	0.092	LOQ	mg/kg	NP	ProfJudg
DIBENZOFURAN	38	E	0.18	LOD	0.18	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	150	E	0.036	LOD	0.092	LOQ	mg/kg	NP	ProfJudg
FLUORENE	58	E	0.036	LOD	0.092	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	58	E	0.036	LOD	0.092	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	30	E	0.036	LOD	0.092	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	160	E	0.036	LOD	0.092	LOQ	mg/kg	NP	ProfJudg
PYRENE	140	E	0.036	LOD	0.092	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU12-S008-01-10 **Collected:** 6/14/2017 8:15:00 AM **Analysis Type:** Dilution-01 **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.18	U	0.18	LOD	0.18	LOQ	mg/kg	NP	ProfJudg
2-Methylphenol (o-Cresol)	0.18	U	0.18	LOD	0.18	LOQ	mg/kg	NP	ProfJudg
4-Chloroaniline [p-Chloroaniline]	0.37	U	0.37	LOD	0.37	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU12-S008-01-10 **Collected:** 6/14/2017 8:15:00 AM **Analysis Type:** Dilution-01-ACID **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.18	U	0.18	LOD	0.18	LOQ	mg/kg	NP	ProfJudg
4-CHLORO-3-METHYLPHENOL	0.18	U	0.18	LOD	0.18	LOQ	mg/kg	NP	ProfJudg
BENZOIC ACID	2.8	U	2.8	LOD	2.8	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP43 **Laboratory: LLL**

EDD Filename: APP43-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU12-S008-01-10 **Collected:** 6/14/2017 8:15:00 AM **Analysis Type:** Dilution-01-BASE/ NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	0.18	U	0.18	LOD	0.18	LOQ	mg/kg	NP	ProfJudg
1-METHYLNAPHTHALENE	0.12		0.037	LOD	0.094	LOQ	mg/kg	NP	ProfJudg
2-CHLORONAPHTHALENE	0.074	U	0.074	LOD	0.18	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.14		0.037	LOD	0.094	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.88		0.037	LOD	0.094	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.068	J	0.037	LOD	0.094	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	2.4		0.037	LOD	0.094	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	3.8		0.037	LOD	0.094	LOQ	mg/kg	NP	ProfJudg
BENZALDEHYDE	0.74	U	0.74	LOD	0.92	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	1.7		0.037	LOD	0.094	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	3.0		0.037	LOD	0.094	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	3.5		0.037	LOD	0.094	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	1.7		0.037	LOD	0.094	LOQ	mg/kg	NP	ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	0.74	U	0.74	LOD	0.94	LOQ	mg/kg	NP	ProfJudg
Butyl benzyl phthalate	0.74	U	0.74	LOD	0.92	LOQ	mg/kg	NP	ProfJudg
CAPROLACTAM	0.74	U	0.74	LOD	0.92	LOQ	mg/kg	NP	ProfJudg
CARBAZOLE	0.47		0.18	LOD	0.18	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	3.3		0.037	LOD	0.094	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.54		0.037	LOD	0.094	LOQ	mg/kg	NP	ProfJudg
DIBENZOFURAN	0.65		0.18	LOD	0.18	LOQ	mg/kg	NP	ProfJudg
DIETHYL PHTHALATE	0.74	U	0.74	LOD	0.92	LOQ	mg/kg	NP	ProfJudg
DIMETHYL PHTHALATE	0.74	U	0.74	LOD	0.92	LOQ	mg/kg	NP	ProfJudg
DI-N-BUTYL PHTHALATE	0.74	U	0.74	LOD	0.92	LOQ	mg/kg	NP	ProfJudg
DI-N-OCTYL PHTHALATE	0.74	U	0.74	LOD	0.92	LOQ	mg/kg	NP	ProfJudg
FLUORENE	1.1		0.037	LOD	0.094	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	1.8		0.037	LOD	0.094	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.17		0.037	LOD	0.094	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU12-S008-01-10 **Collected:** 6/14/2017 8:15:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORANTHENE	8.1	E	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP43 **Laboratory: LLL**

EDD Filename: APP43-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU12-S008-01-10 **Collected:** 6/14/2017 8:15:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
PHENANTHRENE	7.9	E	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PYRENE	6.8	E	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU12-S011-00-01 **Collected:** 6/14/2017 8:30:00 AM **Analysis Type:** Dilution-01 **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.19	U	0.19	LOD	0.19	LOQ	mg/kg	NP	ProfJudg
2-Methylphenol (o-Cresol)	0.19	U	0.19	LOD	0.19	LOQ	mg/kg	NP	ProfJudg
4-Chloroaniline [p-Chloroaniline]	0.39	U	0.39	LOD	0.39	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU12-S011-00-01 **Collected:** 6/14/2017 8:30:00 AM **Analysis Type:** Dilution-01-ACID **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.19	U	0.19	LOD	0.19	LOQ	mg/kg	NP	ProfJudg
4-CHLORO-3-METHYLPHENOL	0.19	U	0.19	LOD	0.19	LOQ	mg/kg	NP	ProfJudg
BENZOIC ACID	2.9	U	2.9	LOD	2.9	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU12-S011-00-01 **Collected:** 6/14/2017 8:30:00 AM **Analysis Type:** Dilution-01-BASE/NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	0.19	U	0.19	LOD	0.19	LOQ	mg/kg	NP	ProfJudg
1-METHYLNAPHTHALENE	0.082	J	0.039	LOD	0.098	LOQ	mg/kg	NP	RI, ProfJudg
2-CHLORONAPHTHALENE	0.077	U	0.077	LOD	0.19	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.086	J	0.039	LOD	0.098	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHENE	0.52		0.039	LOD	0.098	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.13		0.039	LOD	0.098	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	2.6		0.039	LOD	0.098	LOQ	mg/kg	NP	ProfJudg
BENZALDEHYDE	0.77	U	0.77	LOD	0.96	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	2.3		0.039	LOD	0.098	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	4.3		0.039	LOD	0.098	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	2.4		0.039	LOD	0.098	LOQ	mg/kg	NP	ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	0.77	U	0.77	LOD	0.98	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP43 **Laboratory: LLL**

EDD Filename: APP43-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU12-S011-00-01 **Collected:** 6/14/2017 8:30:00 AM **Analysis Type:** Dilution-01-BASE/NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Butyl benzyl phthalate	0.77	U	0.77	LOD	0.96	LOQ	mg/kg	NP	ProfJudg
CAPROLACTAM	0.77	U	0.77	LOD	0.96	LOQ	mg/kg	NP	ProfJudg
CARBAZOLE	0.56		0.19	LOD	0.19	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	4.8		0.039	LOD	0.098	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.73		0.039	LOD	0.098	LOQ	mg/kg	NP	ProfJudg
DIBENZOFURAN	0.33		0.19	LOD	0.19	LOQ	mg/kg	NP	ProfJudg
DIETHYL PHTHALATE	0.77	U	0.77	LOD	0.96	LOQ	mg/kg	NP	ProfJudg
DIMETHYL PHTHALATE	0.77	U	0.77	LOD	0.96	LOQ	mg/kg	NP	ProfJudg
DI-N-BUTYL PHTHALATE	0.77	U	0.77	LOD	0.96	LOQ	mg/kg	NP	ProfJudg
DI-N-OCTYL PHTHALATE	0.77	U	0.77	LOD	0.96	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.81		0.039	LOD	0.098	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	2.4		0.039	LOD	0.098	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.17		0.039	LOD	0.098	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU12-S011-00-01 **Collected:** 6/14/2017 8:30:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.028	J	0.039	LOD	0.039	LOQ	mg/kg	J	RI

Sample ID: DU12-S011-00-01 **Collected:** 6/14/2017 8:30:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	4.8	E	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	5.4	E	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	7.9	E	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	6.5	E	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PYRENE	7.4	E	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU12-S011-01-10 **Collected:** 6/14/2017 8:35:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.010	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP43 **Laboratory: LLL**

EDD Filename: APP43-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU12-S011-01-10 **Collected:** 6/14/2017 8:35:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.012	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
ACENAPHTHENE	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
ACENAPHTHYLENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
ANTHRACENE	0.007	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
BENZ(A)ANTHRACENE	0.016	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
Benzo (g,h,i) perylene	0.012	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
BENZO(A)PYRENE	0.014	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
BENZO(B)FLUORANTHENE	0.020		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.008	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
CHRYSENE	0.016	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
FLUORANTHENE	0.033		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.006	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.010	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.031		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.030		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU12-S012-00-01 **Collected:** 6/14/2017 8:40:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.028	J	0.040	LOD	0.040	LOQ	mg/kg	J	Rl

Sample ID: DU12-S012-00-01 **Collected:** 6/14/2017 8:40:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZALDEHYDE	0.14	J	0.16	LOD	0.20	LOQ	mg/kg	J	Rl

Sample ID: DU12-S012-01-10 **Collected:** 6/14/2017 8:45:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP43 **Laboratory: LLL**

EDD Filename: APP43-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU12-S012-01-10 **Collected:** 6/14/2017 8:45:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.006	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: DU12-S016-00-01 **Collected:** 6/14/2017 9:00:00 AM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.33	J	0.58	LOD	0.58	LOQ	mg/kg	J	RI

Sample ID: DU12-S016-00-01 **Collected:** 6/14/2017 9:00:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.011	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
2-METHYLNAPHTHALENE	0.011	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHENE	0.030		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.043		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.081		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.19		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP43 **Laboratory: LLL**

EDD Filename: APP43-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU12-S016-00-01 **Collected:** 6/14/2017 9:00:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Benzo (g,h,i) perylene	0.15		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.21		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.29		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.13		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
CARBAZOLE	0.028	J	0.038	LOD	0.038	LOQ	mg/kg	J	RI
CHRYSENE	0.22		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.039		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.43		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.038		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.13		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.018	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.32		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.43		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU12-S016-01-10 **Collected:** 6/14/2017 9:05:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP43 **Laboratory: LLL**

EDD Filename: APP43-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU12-S016-01-10 **Collected:** 6/14/2017 9:05:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.004	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: DU14-S001-00-01 **Collected:** 6/14/2017 9:30:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.005	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.006	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.007	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.006	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.004	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.005	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.004	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.006	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: DU14-S001-01-10 **Collected:** 6/14/2017 9:35:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP43 **Laboratory: LLL**

EDD Filename: APP43-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU14-S001-01-10 **Collected:** 6/14/2017 9:35:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
Benzo (g,h,i) perylene	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.006	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.008	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.006	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.007	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.008	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: DU14-S002-00-01 **Collected:** 6/14/2017 10:00:00 AM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.27	J	0.54	LOD	0.54	LOQ	mg/kg	J	RI

Sample ID: DU14-S002-00-01 **Collected:** 6/14/2017 10:00:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.004	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.006	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHYLENE	0.008	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.011	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.046		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.036		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.052		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP43 **Laboratory: LLL**

EDD Filename: APP43-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU14-S002-00-01 **Collected:** 6/14/2017 10:00:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(B)FLUORANTHENE	0.082		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.029		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.055		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.020		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.11		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.006	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.031		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.004	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.055		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.095		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU14-S002-01-10 **Collected:** 6/14/2017 10:05:00 AM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.56	U	0.56	LOD	0.56	LOQ	mg/kg	UJ	Fd

Sample ID: DU14-S002-01-10 **Collected:** 6/14/2017 10:05:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg, Fd
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg, Fd
ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg, Fd
BENZ(A)ANTHRACENE	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg, Fd
Benzo (g,h,i) perylene	0.006	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg, Fd
BENZO(A)PYRENE	0.007	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg, Fd
BENZO(B)FLUORANTHENE	0.009	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg, Fd
BENZO(K)FLUORANTHENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg, Fd
CHRYSENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg, Fd
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg, Fd
FLUORANTHENE	0.008	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg, Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP43 **Laboratory: LLL**

EDD Filename: APP43-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU14-S002-01-10 **Collected:** 6/14/2017 10:05:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg, Fd
INDENO(1,2,3-CD)PYRENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg, Fd
NAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg, Fd
PYRENE	0.007	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg, Fd

Sample ID: DU14-S002-01-10D **Collected:** 6/14/2017 10:05:00 AM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.70		0.56	LOD	0.56	LOQ	mg/kg	J	Fd

Sample ID: DU14-S002-01-10D **Collected:** 6/14/2017 10:05:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg, Fd
ACENAPHTHYLENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg, Fd
ANTHRACENE	0.013	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg, Fd
BENZ(A)ANTHRACENE	0.041		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg, Fd
Benzo (g,h,i) perylene	0.029		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg, Fd
BENZO(A)PYRENE	0.044		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg, Fd
BENZO(B)FLUORANTHENE	0.063		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg, Fd
BENZO(K)FLUORANTHENE	0.035		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg, Fd
CHRYSENE	0.047		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg, Fd
DIBENZO(A,H)ANTHRACENE	0.021		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg, Fd
FLUORANTHENE	0.096		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg, Fd
FLUORENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg, Fd
INDENO(1,2,3-CD)PYRENE	0.031		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg, Fd
NAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.051		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg, Fd
PYRENE	0.085		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg, Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP43 **Laboratory: LLL**

EDD Filename: APP43-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU14-S003-00-01 **Collected:** 6/14/2017 8:15:00 AM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.26	J	0.60	LOD	0.60	LOQ	mg/kg	J	RI

Sample ID: DU14-S003-00-01 **Collected:** 6/14/2017 8:15:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.005	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.008	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.026		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.020	J	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.031		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.041		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.022		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.032		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.016	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.059		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.004	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.021		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.033		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.057		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU14-S003-01-10 **Collected:** 6/14/2017 8:20:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP43 **Laboratory: LLL**

EDD Filename: APP43-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU14-S003-01-10 **Collected:** 6/14/2017 8:20:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.005	J	0.009	LOD	0.022	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.005	J	0.009	LOD	0.022	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.006	J	0.009	LOD	0.022	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.006	J	0.009	LOD	0.022	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.009	U	0.009	LOD	0.022	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.005	J	0.009	LOD	0.022	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: DU14-S004-00-01 **Collected:** 6/14/2017 8:30:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	0.073	U	0.073	LOD	0.073	LOQ	mg/kg	UJ	Surr
1-METHYLNAPHTHALENE	0.013	J	0.015	LOD	0.037	LOQ	mg/kg	NP	RI, Surr, ProfJudg
2-CHLORONAPHTHALENE	0.029	U	0.029	LOD	0.072	LOQ	mg/kg	UJ	Surr
2-METHYLNAPHTHALENE	0.021	J	0.015	LOD	0.037	LOQ	mg/kg	NP	RI, Surr, ProfJudg
ACENAPHTHENE	0.008	J	0.015	LOD	0.037	LOQ	mg/kg	NP	RI, Surr, ProfJudg
ACENAPHTHYLENE	0.028	J	0.015	LOD	0.037	LOQ	mg/kg	NP	RI, Surr, ProfJudg
ANTHRACENE	0.036	J	0.015	LOD	0.037	LOQ	mg/kg	NP	RI, Surr, ProfJudg
BENZ(A)ANTHRACENE	0.058		0.015	LOD	0.037	LOQ	mg/kg	NP	Surr, ProfJudg
BENZALDEHYDE	0.41		0.29	LOD	0.36	LOQ	mg/kg	J-	Surr
Benzo (g,h,i) perylene	0.043		0.015	LOD	0.037	LOQ	mg/kg	NP	Surr, ProfJudg
BENZO(A)PYRENE	0.056		0.015	LOD	0.037	LOQ	mg/kg	NP	Surr, ProfJudg
BENZO(B)FLUORANTHENE	0.12		0.015	LOD	0.037	LOQ	mg/kg	NP	Surr, ProfJudg
BENZO(K)FLUORANTHENE	0.049		0.015	LOD	0.037	LOQ	mg/kg	NP	Surr, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	0.29	U	0.29	LOD	0.37	LOQ	mg/kg	UJ	Surr

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP43 **Laboratory: LLL**

EDD Filename: APP43-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU14-S004-00-01 **Collected:** 6/14/2017 8:30:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Butyl benzyl phthalate	0.29	U	0.29	LOD	0.36	LOQ	mg/kg	UJ	Surr
CAPROLACTAM	0.29	U	0.29	LOD	0.36	LOQ	mg/kg	UJ	Surr
CARBAZOLE	0.073	U	0.073	LOD	0.073	LOQ	mg/kg	UJ	Surr
CHRYSENE	0.083		0.015	LOD	0.037	LOQ	mg/kg	NP	Surr, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.017	J	0.015	LOD	0.037	LOQ	mg/kg	NP	RI, Surr, ProfJudg
DIBENZOFURAN	0.073	U	0.073	LOD	0.073	LOQ	mg/kg	UJ	Surr
DIETHYL PHTHALATE	0.29	U	0.29	LOD	0.36	LOQ	mg/kg	UJ	Surr
DIMETHYL PHTHALATE	0.29	U	0.29	LOD	0.36	LOQ	mg/kg	UJ	Surr
DI-N-BUTYL PHTHALATE	0.29	U	0.29	LOD	0.36	LOQ	mg/kg	UJ	Surr
DI-N-OCTYL PHTHALATE	0.29	U	0.29	LOD	0.36	LOQ	mg/kg	UJ	Surr
FLUORANTHENE	0.13		0.015	LOD	0.037	LOQ	mg/kg	NP	Surr, ProfJudg
FLUORENE	0.008	J	0.015	LOD	0.037	LOQ	mg/kg	NP	RI, Surr, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.046		0.015	LOD	0.037	LOQ	mg/kg	NP	Surr, ProfJudg
NAPHTHALENE	0.028	J	0.015	LOD	0.037	LOQ	mg/kg	NP	RI, Surr, ProfJudg
PHENANTHRENE	0.050		0.015	LOD	0.037	LOQ	mg/kg	NP	Surr, ProfJudg
PYRENE	0.11		0.015	LOD	0.037	LOQ	mg/kg	NP	Surr, ProfJudg

Sample ID: DU14-S004-00-01-X **Collected:** 6/14/2017 8:30:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.073	U	0.073	LOD	0.073	LOQ	mg/kg	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	0.073	U	0.073	LOD	0.073	LOQ	mg/kg	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	0.15	U	0.15	LOD	0.15	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: DU14-S004-00-01-X **Collected:** 6/14/2017 8:30:00 AM **Analysis Type:** Reanalysis-01-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.073	U	0.073	LOD	0.073	LOQ	mg/kg	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	0.073	U	0.073	LOD	0.073	LOQ	mg/kg	NP	StoE, ProfJudg
BENZOIC ACID	1.1	J	1.1	LOD	1.1	LOQ	mg/kg	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP43 **Laboratory: LLL**

EDD Filename: APP43-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **SOIL**

Sample ID: **DU14-S004-00-01-X** ***Collected:*** **6/14/2017 8:30:00 AM** ***Analysis Type:*** **Reanalysis-01-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1,4-DICHLOROBENZENE	0.073	U	0.073	LOD	0.073	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
1-METHYLNAPHTHALENE	0.015	U	0.015	LOD	0.037	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
2-CHLORONAPHTHALENE	0.029	U	0.029	LOD	0.072	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
2-METHYLNAPHTHALENE	0.015	U	0.015	LOD	0.037	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
ACENAPHTHENE	0.015	U	0.015	LOD	0.037	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
ACENAPHTHYLENE	0.019	J	0.015	LOD	0.037	LOQ	mg/kg	NP	RI, Surr, StoE, ProfJudg
ANTHRACENE	0.016	J	0.015	LOD	0.037	LOQ	mg/kg	NP	RI, Surr, StoE, ProfJudg
BENZ(A)ANTHRACENE	0.031	J	0.015	LOD	0.037	LOQ	mg/kg	NP	RI, Surr, StoE, ProfJudg
BENZALDEHYDE	0.20	J	0.29	LOD	0.36	LOQ	mg/kg	NP	RI, Surr, StoE, ProfJudg
Benzo (g,h,i) perylene	0.025	J	0.015	LOD	0.037	LOQ	mg/kg	NP	RI, Surr, StoE, ProfJudg
BENZO(A)PYRENE	0.047		0.015	LOD	0.037	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.077		0.015	LOD	0.037	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.032	J	0.015	LOD	0.037	LOQ	mg/kg	NP	RI, Surr, StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	0.29	U	0.29	LOD	0.37	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
Butyl benzyl phthalate	0.29	U	0.29	LOD	0.36	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
CAPROLACTAM	0.29	U	0.29	LOD	0.36	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
CARBAZOLE	0.073	U	0.073	LOD	0.073	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
CHRYSENE	0.052		0.015	LOD	0.037	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.008	J	0.015	LOD	0.037	LOQ	mg/kg	NP	RI, Surr, StoE, ProfJudg
DIBENZOFURAN	0.073	U	0.073	LOD	0.073	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
DIETHYL PHTHALATE	0.29	U	0.29	LOD	0.36	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
DIMETHYL PHTHALATE	0.29	U	0.29	LOD	0.36	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
DI-N-BUTYL PHTHALATE	0.29	U	0.29	LOD	0.36	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
DI-N-OCTYL PHTHALATE	0.29	U	0.29	LOD	0.36	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
FLUORANTHENE	0.078		0.015	LOD	0.037	LOQ	mg/kg	NP	Surr, StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP43 **Laboratory: LLL**

EDD Filename: APP43-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU14-S004-00-01-X **Collected:** 6/14/2017 8:30:00 AM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORENE	0.010	J	0.015	LOD	0.037	LOQ	mg/kg	NP	RI, Surr, StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.025	J	0.015	LOD	0.037	LOQ	mg/kg	NP	RI, Surr, StoE, ProfJudg
NAPHTHALENE	0.015	U	0.015	LOD	0.037	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
PHENANTHRENE	0.030	J	0.015	LOD	0.037	LOQ	mg/kg	NP	RI, Surr, StoE, ProfJudg
PYRENE	0.064		0.015	LOD	0.037	LOQ	mg/kg	NP	Surr, StoE, ProfJudg

Sample ID: DU14-S004-01-10 **Collected:** 6/14/2017 8:35:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.004	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.005	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.005	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.004	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg, Fd
CHRYSENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP43 **Laboratory: LLL**

EDD Filename: APP43-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU14-S004-01-10D **Collected:** 6/14/2017 8:35:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
BENZO(A)PYRENE	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
BENZO(B)FLUORANTHENE	0.006	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
BENZO(K)FLUORANTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg, Fd
CHRYSENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU14-S005-00-01 **Collected:** 6/14/2017 9:00:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.004	J	0.008	LOD	0.021	LOQ	mg/kg	NP	Rl, ProfJudg
2-METHYLNAPHTHALENE	0.006	J	0.008	LOD	0.021	LOQ	mg/kg	NP	Rl, ProfJudg
ACENAPHTHENE	0.005	J	0.008	LOD	0.021	LOQ	mg/kg	NP	Rl, ProfJudg
ACENAPHTHYLENE	0.008	J	0.008	LOD	0.021	LOQ	mg/kg	NP	Rl, ProfJudg
ANTHRACENE	0.019	J	0.008	LOD	0.021	LOQ	mg/kg	NP	Rl, ProfJudg
BENZ(A)ANTHRACENE	0.058		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZALDEHYDE	0.12	J	0.16	LOD	0.20	LOQ	mg/kg	J	Rl
Benzo (g,h,i) perylene	0.046		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.066		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.10		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP43 **Laboratory: LLL**

EDD Filename: APP43-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix: SOIL**

Sample ID: DU14-S005-00-01 **Collected:** 6/14/2017 9:00:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(K)FLUORANTHENE	0.047		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.078		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.021		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.14		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.006	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.046		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.008	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.069		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.12		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU14-S005-01-10 **Collected:** 6/14/2017 9:05:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.006	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.006	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP43 **Laboratory: LLL**

EDD Filename: APP43-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU14-S006-00-01 **Collected:** 6/14/2017 9:20:00 AM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.51	J	0.59	LOD	0.59	LOQ	mg/kg	J	RI

Sample ID: DU14-S006-00-01 **Collected:** 6/14/2017 9:20:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.008	J	0.008	LOD	0.020	LOQ	mg/kg	J	RI
ANTHRACENE	0.012	J	0.008	LOD	0.020	LOQ	mg/kg	J	RI
BENZALDEHYDE	0.11	J	0.16	LOD	0.20	LOQ	mg/kg	J	RI
DIBENZO(A,H)ANTHRACENE	0.016	J	0.008	LOD	0.020	LOQ	mg/kg	J	RI
FLUORENE	0.008	J	0.008	LOD	0.020	LOQ	mg/kg	J	RI
NAPHTHALENE	0.005	J	0.008	LOD	0.020	LOQ	mg/kg	J	RI

Sample ID: DU14-S006-01-10 **Collected:** 6/14/2017 9:25:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg, Fd
BENZO(B)FLUORANTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg, Fd
BENZO(K)FLUORANTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg, Fd
CHRYSENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg, Fd
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg, Fd
FLUORENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP43 **Laboratory: LLL**

EDD Filename: APP43-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU14-S006-01-10 **Collected:** 6/14/2017 9:25:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
PYRENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg, Fd

Sample ID: DU14-S006-01-10D **Collected:** 6/14/2017 9:25:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg, Fd
BENZO(B)FLUORANTHENE	0.006	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg, Fd
BENZO(K)FLUORANTHENE	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg, Fd
CHRYSENE	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg, Fd
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg, Fd
FLUORENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg, Fd

Sample ID: DU14-S009-00-01 **Collected:** 6/14/2017 10:10:00 AM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.27	J	0.57	LOD	0.57	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP43 **Laboratory: LLL**

EDD Filename: APP43-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU14-S009-00-01 **Collected:** 6/14/2017 10:10:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.004	J	0.008	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
2-METHYLNAPHTHALENE	0.006	J	0.008	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
ACENAPHTHENE	0.009	J	0.008	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
ACENAPHTHYLENE	0.008	J	0.008	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
ANTHRACENE	0.020		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.083		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.060		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.091		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.13		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.069		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.11		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.028		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.21		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.011	J	0.008	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.059		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.007	J	0.008	LOD	0.019	LOQ	mg/kg	NP	Rl, ProfJudg
PHENANTHRENE	0.11		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.18		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU14-S009-01-10 **Collected:** 6/14/2017 10:15:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.004	J	0.007	LOD	0.018	LOQ	mg/kg	NP	Rl, ProfJudg
BENZO(A)PYRENE	0.007	J	0.007	LOD	0.018	LOQ	mg/kg	NP	Rl, ProfJudg
BENZO(B)FLUORANTHENE	0.006	J	0.007	LOD	0.018	LOQ	mg/kg	NP	Rl, ProfJudg
BENZO(K)FLUORANTHENE	0.005	J	0.007	LOD	0.018	LOQ	mg/kg	NP	Rl, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP43 **Laboratory: LLL**

EDD Filename: APP43-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU14-S009-01-10 **Collected:** 6/14/2017 10:15:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.004	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.007	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.005	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.005	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.006	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg

Sample ID: DU14-S013-00-01 **Collected:** 6/14/2017 10:30:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.004	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
2-METHYLNAPHTHALENE	0.006	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHENE	0.010	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHYLENE	0.009	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.024		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.099		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZALDEHYDE	0.090	J	0.15	LOD	0.19	LOQ	mg/kg	J	RI
Benzo (g,h,i) perylene	0.064		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.10		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.15		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.072		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.11		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.034		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.24		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.011	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.060		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.009	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.14		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.20		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP43 **Laboratory: LLL**

EDD Filename: APP43-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix: SOIL**

Sample ID: DU14-S013-01-10 **Collected:** 6/14/2017 10:35:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
Benzo (g,h,i) perylene	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.007	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(B)FLUORANTHENE	0.008	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(K)FLUORANTHENE	0.006	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
CHRYSENE	0.006	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.010	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
FLUORENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.005	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
PYRENE	0.009	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg

Method Category: SVOA

Method: 8270D SIM **Matrix: SOIL**

Sample ID: DU12-S011-01-10 **Collected:** 6/14/2017 8:35:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.00053	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
DIBENZO(A,H)ANTHRACENE	0.0011	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI

Sample ID: DU12-S012-01-10 **Collected:** 6/14/2017 8:45:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.00082	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP43 **Laboratory: LLL**

EDD Filename: APP43-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU12-S012-01-10 **Collected:** 6/14/2017 8:45:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.0014	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
ANTHRACENE	0.00086	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
BENZO(G,H,I)PERYLENE	0.00097	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
INDENO(1,2,3-CD)PYRENE	0.0010	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
NAPHTHALENE	0.0013	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI

Sample ID: DU12-S016-00-01 **Collected:** 6/14/2017 9:00:00 AM **Analysis Type:** Dilution-01-BASE/ NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.012		0.0077	LOD	0.0096	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.014		0.0077	LOD	0.0096	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.029		0.0077	LOD	0.0096	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.019		0.0077	LOD	0.0096	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.059		0.0077	LOD	0.0096	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.18		0.0077	LOD	0.0096	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.21		0.0077	LOD	0.0096	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.28		0.0077	LOD	0.0096	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.096		0.0077	LOD	0.0096	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.12		0.0077	LOD	0.0096	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.24		0.0077	LOD	0.0096	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.030		0.0077	LOD	0.0096	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.43		0.0077	LOD	0.0096	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.035		0.0077	LOD	0.0096	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.089		0.0077	LOD	0.0096	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.020		0.0077	LOD	0.0096	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.32		0.0077	LOD	0.0096	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU12-S016-00-01 **Collected:** 6/14/2017 9:00:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
PYRENE	0.40	E	0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP43 **Laboratory: LLL**

EDD Filename: APP43-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU12-S016-01-10 **Collected:** 6/14/2017 9:05:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
PYRENE	0.00040	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI

Sample ID: DU14-S001-00-01 **Collected:** 6/14/2017 9:30:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.0015	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI
BENZ(A)ANTHRACENE	0.0019	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI
BENZO(A)PYRENE	0.0017	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI
BENZO(G,H,I)PERYLENE	0.00084	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI
BENZO(K)FLUORANTHENE	0.0010	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI
CHRYSENE	0.0017	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI
INDENO(1,2,3-CD)PYRENE	0.00086	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI
PHENANTHRENE	0.0019	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI

Sample ID: DU14-S001-01-10 **Collected:** 6/14/2017 9:35:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.00092	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
BENZO(G,H,I)PERYLENE	0.0012	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
BENZO(K)FLUORANTHENE	0.0014	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
INDENO(1,2,3-CD)PYRENE	0.0014	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI

Sample ID: DU14-S002-00-01 **Collected:** 6/14/2017 10:00:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0014	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI
ACENAPHTHYLENE	0.0015	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI

Sample ID: DU14-S002-01-10 **Collected:** 6/14/2017 10:05:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	Fd
2-METHYLNAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP43 **Laboratory: LLL**

EDD Filename: APP43-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU14-S002-01-10 **Collected:** 6/14/2017 10:05:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	Fd
ACENAPHTHYLENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	Fd
ANTHRACENE	0.00047	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Rl, Fd
BENZ(A)ANTHRACENE	0.0026		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
BENZO(A)PYRENE	0.0029		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
BENZO(B)FLUORANTHENE	0.0044		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
BENZO(G,H,I)PERYLENE	0.00094	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Rl, Fd
BENZO(K)FLUORANTHENE	0.0018	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Rl, Fd
CHRYSENE	0.0030		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
DIBENZO(A,H)ANTHRACENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	Fd
FLUORANTHENE	0.0044		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
FLUORENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	Fd
INDENO(1,2,3-CD)PYRENE	0.0010	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Rl, Fd
NAPHTHALENE	0.0015	U	0.0015	LOD	0.0019	LOQ	mg/kg	UJ	Fd
PHENANTHRENE	0.0020		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
PYRENE	0.0041		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd

Sample ID: DU14-S002-01-10D **Collected:** 6/14/2017 10:05:00 AM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0014	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Rl, Fd
2-METHYLNAPHTHALENE	0.0023		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
ACENAPHTHENE	0.0028		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
ACENAPHTHYLENE	0.0014	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	Rl, Fd
ANTHRACENE	0.0071		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
BENZ(A)ANTHRACENE	0.036		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
BENZO(A)PYRENE	0.041		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
BENZO(B)FLUORANTHENE	0.067		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
BENZO(G,H,I)PERYLENE	0.011		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
BENZO(K)FLUORANTHENE	0.026		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
CHRYSENE	0.042		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
DIBENZO(A,H)ANTHRACENE	0.0043		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP43 **Laboratory: LLL**

EDD Filename: APP43-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU14-S002-01-10D **Collected:** 6/14/2017 10:05:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORANTHENE	0.082		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
FLUORENE	0.0027		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
INDENO(1,2,3-CD)PYRENE	0.014		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
NAPHTHALENE	0.0022		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
PHENANTHRENE	0.039		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd
PYRENE	0.080		0.0015	LOD	0.0019	LOQ	mg/kg	J	Fd

Sample ID: DU14-S003-00-01 **Collected:** 6/14/2017 8:15:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.0012	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	Rl
ACENAPHTHENE	0.0016	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	Rl
ACENAPHTHYLENE	0.0011	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	Rl
FLUORENE	0.0018	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	Rl
NAPHTHALENE	0.0014	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	Rl

Sample ID: DU14-S003-01-10 **Collected:** 6/14/2017 8:20:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(A)PYRENE	0.00090	J	0.0018	LOD	0.0022	LOQ	mg/kg	J	Rl
BENZO(B)FLUORANTHENE	0.0014	J	0.0018	LOD	0.0022	LOQ	mg/kg	J	Rl
CHRYSENE	0.00090	J	0.0018	LOD	0.0022	LOQ	mg/kg	J	Rl
FLUORANTHENE	0.0015	J	0.0018	LOD	0.0022	LOQ	mg/kg	J	Rl
PYRENE	0.0013	J	0.0018	LOD	0.0022	LOQ	mg/kg	J	Rl

Sample ID: DU14-S004-00-01 **Collected:** 6/14/2017 8:30:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0077		0.0029	LOD	0.0036	LOQ	mg/kg	J-	Surr
2-METHYLNAPHTHALENE	0.017		0.0029	LOD	0.0036	LOQ	mg/kg	J-	Surr
ACENAPHTHENE	0.012		0.0029	LOD	0.0036	LOQ	mg/kg	J-	Surr
ACENAPHTHYLENE	0.0066		0.0029	LOD	0.0036	LOQ	mg/kg	J-	Surr

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP43 **Laboratory: LLL**

EDD Filename: APP43-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **SOIL**

Sample ID: **DU14-S004-00-01** ***Collected:*** **6/14/2017 8:30:00 AM** ***Analysis Type:*** **Initial-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
ANTHRACENE	0.021		0.0029	LOD	0.0036	LOQ	mg/kg	J-	Surr
BENZ(A)ANTHRACENE	0.039		0.0029	LOD	0.0036	LOQ	mg/kg	J-	Surr
BENZO(A)PYRENE	0.038		0.0029	LOD	0.0036	LOQ	mg/kg	J-	Surr
BENZO(B)FLUORANTHENE	0.10		0.0029	LOD	0.0036	LOQ	mg/kg	J-	Surr
BENZO(G,H,I)PERYLENE	0.011		0.0029	LOD	0.0036	LOQ	mg/kg	J-	Surr
BENZO(K)FLUORANTHENE	0.036		0.0029	LOD	0.0036	LOQ	mg/kg	J-	Surr
CHRYSENE	0.060		0.0029	LOD	0.0036	LOQ	mg/kg	J-	Surr
DIBENZO(A,H)ANTHRACENE	0.0040		0.0029	LOD	0.0036	LOQ	mg/kg	J-	Surr
FLUORANTHENE	0.11		0.0029	LOD	0.0036	LOQ	mg/kg	J-	Surr
FLUORENE	0.0028	J	0.0029	LOD	0.0036	LOQ	mg/kg	J	RI, Surr
INDENO(1,2,3-CD)PYRENE	0.014		0.0029	LOD	0.0036	LOQ	mg/kg	J-	Surr
NAPHTHALENE	0.019		0.0029	LOD	0.0036	LOQ	mg/kg	J-	Surr
PHENANTHRENE	0.035		0.0029	LOD	0.0036	LOQ	mg/kg	J-	Surr
PYRENE	0.088		0.0029	LOD	0.0036	LOQ	mg/kg	J-	Surr

Sample ID: **DU14-S004-00-01-X** ***Collected:*** **6/14/2017 8:30:00 AM** ***Analysis Type:*** **Reanalysis-01-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.0054		0.0029	LOD	0.0036	LOQ	mg/kg	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.013		0.0029	LOD	0.0036	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHENE	0.0047		0.0029	LOD	0.0036	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.0029	U	0.0029	LOD	0.0036	LOQ	mg/kg	NP	StoE, ProfJudg
ANTHRACENE	0.0023	J	0.0029	LOD	0.0036	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZ(A)ANTHRACENE	0.0055		0.0029	LOD	0.0036	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.0058		0.0029	LOD	0.0036	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.0086		0.0029	LOD	0.0036	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(G,H,I)PERYLENE	0.0033	J	0.0029	LOD	0.0036	LOQ	mg/kg	NP	RI, StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.0033	J	0.0029	LOD	0.0036	LOQ	mg/kg	NP	RI, StoE, ProfJudg
CHRYSENE	0.0064		0.0029	LOD	0.0036	LOQ	mg/kg	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0029	U	0.0029	LOD	0.0036	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORANTHENE	0.015		0.0029	LOD	0.0036	LOQ	mg/kg	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP43 **Laboratory: LLL**

EDD Filename: APP43-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU14-S004-00-01-X **Collected:** 6/14/2017 8:30:00 AM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORENE	0.0033	J	0.0029	LOD	0.0036	LOQ	mg/kg	NP	RI, StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.0034	J	0.0029	LOD	0.0036	LOQ	mg/kg	NP	RI, StoE, ProfJudg
NAPHTHALENE	0.085		0.0029	LOD	0.0036	LOQ	mg/kg	NP	StoE, ProfJudg
PHENANTHRENE	0.012		0.0029	LOD	0.0036	LOQ	mg/kg	NP	StoE, ProfJudg
PYRENE	0.010		0.0029	LOD	0.0036	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: DU14-S004-01-10 **Collected:** 6/14/2017 8:35:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(B)FLUORANTHENE	0.0011	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI
CHRYSENE	0.00067	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI
FLUORANTHENE	0.0012	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI
PYRENE	0.00094	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI

Sample ID: DU14-S004-01-10D **Collected:** 6/14/2017 8:35:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(B)FLUORANTHENE	0.00098	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
CHRYSENE	0.00058	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
FLUORANTHENE	0.0011	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
PYRENE	0.00088	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI

Sample ID: DU14-S005-00-01 **Collected:** 6/14/2017 9:00:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.0018	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI

Sample ID: DU14-S005-01-10 **Collected:** 6/14/2017 9:05:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.0015	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI
BENZO(A)PYRENE	0.0015	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP43 **Laboratory: LLL**

EDD Filename: APP43-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU14-S005-01-10 **Collected:** 6/14/2017 9:05:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(K)FLUORANTHENE	0.00092	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI
NAPHTHALENE	0.0010	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI
PHENANTHRENE	0.0013	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI

Sample ID: DU14-S006-00-01 **Collected:** 6/14/2017 9:20:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0016	U	0.0016	LOD	0.0019	LOQ	mg/kg	NP	Surr, ProfJudg
2-METHYLNAPHTHALENE	0.0016	U	0.0016	LOD	0.0019	LOQ	mg/kg	NP	Surr, ProfJudg
ACENAPHTHENE	0.0016	U	0.0016	LOD	0.0019	LOQ	mg/kg	NP	Surr, ProfJudg
ACENAPHTHYLENE	0.0016	U	0.0016	LOD	0.0019	LOQ	mg/kg	NP	Surr, ProfJudg
ANTHRACENE	0.0040		0.0016	LOD	0.0019	LOQ	mg/kg	NP	Surr, ProfJudg
BENZ(A)ANTHRACENE	0.026		0.0016	LOD	0.0019	LOQ	mg/kg	NP	Surr, ProfJudg
BENZO(A)PYRENE	0.028		0.0016	LOD	0.0019	LOQ	mg/kg	NP	Surr, ProfJudg
BENZO(B)FLUORANTHENE	0.057		0.0016	LOD	0.0019	LOQ	mg/kg	NP	Surr, ProfJudg
BENZO(G,H,I)PERYLENE	0.0072		0.0016	LOD	0.0019	LOQ	mg/kg	NP	Surr, ProfJudg
BENZO(K)FLUORANTHENE	0.019		0.0016	LOD	0.0019	LOQ	mg/kg	NP	Surr, ProfJudg
CHRYSENE	0.030		0.0016	LOD	0.0019	LOQ	mg/kg	NP	Surr, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0024		0.0016	LOD	0.0019	LOQ	mg/kg	NP	Surr, ProfJudg
FLUORANTHENE	0.061		0.0016	LOD	0.0019	LOQ	mg/kg	NP	Surr, ProfJudg
FLUORENE	0.0016	U	0.0016	LOD	0.0019	LOQ	mg/kg	NP	Surr, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.0091		0.0016	LOD	0.0019	LOQ	mg/kg	NP	Surr, ProfJudg
NAPHTHALENE	0.0016	U	0.0016	LOD	0.0019	LOQ	mg/kg	NP	Surr, ProfJudg
PHENANTHRENE	0.016		0.0016	LOD	0.0019	LOQ	mg/kg	NP	Surr, ProfJudg
PYRENE	0.045		0.0016	LOD	0.0019	LOQ	mg/kg	NP	Surr, ProfJudg

Sample ID: DU14-S006-00-01 **Collected:** 6/14/2017 9:20:00 AM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0016	U	0.0016	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.0016	U	0.0016	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.0016	U	0.0016	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP43 **Laboratory: LLL**

EDD Filename: APP43-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU14-S006-00-01 **Collected:** 6/14/2017 9:20:00 AM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.0016	U	0.0016	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.0040		0.0016	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.026		0.0016	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.027		0.0016	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.041		0.0016	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.0099		0.0016	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.019		0.0016	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.032		0.0016	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0037		0.0016	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.065		0.0016	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.0016	U	0.0016	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.012		0.0016	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.0016	U	0.0016	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.016		0.0016	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.042		0.0016	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU14-S006-00-01-X **Collected:** 6/14/2017 9:20:00 AM **Analysis Type:** Reanalysis-02-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0014	J	0.0016	LOD	0.0020	LOQ	mg/kg	NP	RI, StoE, ProfJudg
2-METHYLNAPHTHALENE	0.0020		0.0016	LOD	0.0020	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHENE	0.0040		0.0016	LOD	0.0020	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.0013	J	0.0016	LOD	0.0020	LOQ	mg/kg	NP	RI, StoE, ProfJudg
ANTHRACENE	0.0074		0.0016	LOD	0.0020	LOQ	mg/kg	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.039		0.0016	LOD	0.0020	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.039		0.0016	LOD	0.0020	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.057		0.0016	LOD	0.0020	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(G,H,I)PERYLENE	0.013		0.0016	LOD	0.0020	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.024		0.0016	LOD	0.0020	LOQ	mg/kg	NP	StoE, ProfJudg
CHRYSENE	0.042		0.0016	LOD	0.0020	LOQ	mg/kg	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0048		0.0016	LOD	0.0020	LOQ	mg/kg	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP43 **Laboratory: LLL**

EDD Filename: APP43-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU14-S006-00-01-X **Collected:** 6/14/2017 9:20:00 AM **Analysis Type:** Reanalysis-02-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORANTHENE	0.082		0.0016	LOD	0.0020	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORENE	0.0045		0.0016	LOD	0.0020	LOQ	mg/kg	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.016		0.0016	LOD	0.0020	LOQ	mg/kg	NP	StoE, ProfJudg
NAPHTHALENE	0.0024		0.0016	LOD	0.0020	LOQ	mg/kg	NP	Mb, StoE, ProfJudg
PHENANTHRENE	0.040		0.0016	LOD	0.0020	LOQ	mg/kg	NP	StoE, ProfJudg
PYRENE	0.071		0.0016	LOD	0.0020	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: DU14-S006-01-10 **Collected:** 6/14/2017 9:25:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.0014	U	0.0014	LOD	0.0018	LOQ	mg/kg	UJ	Fd
BENZ(A)ANTHRACENE	0.00078	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	Rl, Fd
BENZO(A)PYRENE	0.00077	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	Rl
BENZO(B)FLUORANTHENE	0.0013	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	Rl
CHRYSENE	0.00082	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	Rl
NAPHTHALENE	0.00078	J	0.0014	LOD	0.0018	LOQ	mg/kg	UJ	Eb, Fd
PHENANTHRENE	0.0015	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	Rl
PYRENE	0.0015	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	Rl

Sample ID: DU14-S006-01-10D **Collected:** 6/14/2017 9:25:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.00037	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl, Fd
BENZ(A)ANTHRACENE	0.0011	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl, Fd
BENZO(A)PYRENE	0.00096	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl
BENZO(B)FLUORANTHENE	0.0015	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl
CHRYSENE	0.0010	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl
NAPHTHALENE	0.0019		0.0015	LOD	0.0018	LOQ	mg/kg	J	Fd
PHENANTHRENE	0.0012	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl
PYRENE	0.0015	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP43 **Laboratory: LLL**

EDD Filename: APP43-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU14-S009-01-10 **Collected:** 6/14/2017 10:15:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.00045	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI
BENZO(K)FLUORANTHENE	0.0014	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI
INDENO(1,2,3-CD)PYRENE	0.00073	J	0.0014	LOD	0.0018	LOQ	mg/kg	J	RI

Sample ID: DU14-S013-01-10 **Collected:** 6/14/2017 10:35:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.00059	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI
BENZO(G,H,I)PERYLENE	0.00098	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI
INDENO(1,2,3-CD)PYRENE	0.0011	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP43 **Laboratory: LLL**

EDD Filename: APP43-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Reason Code Legend

Reason Code	*Description*
Eb	Equipment Blank Contamination
Fd	Field Duplicate Precision
Lcs	Laboratory Control Spike Upper Estimation
Mb	Method Blank Contamination
ProfJudg	Professional Judgment
Rl	Reporting Limit Trace Value
StoE	Sampling to Extraction Estimation
StoE	Sampling to Extraction Rejection
Surr	Surrogate/Tracer Recovery Lower Estimation

* denotes a non-reportable result

QC Outlier Report: HoldingTimes

Lab Reporting Batch ID: APP43 **Laboratory: LLL**

EDD Filename: APP43-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D **Preparation Method: SW3546**

Matrix: SOIL

Sample ID	Type	Actual	Criteria	Units	Flag
DU14-S004-00-01-X (Reanalysis-01)	Sampling To Extraction	23.00	14.00	DAYS	J- (all detects) UJ (all non-detects)

Method: 8270D SIM **Preparation Method: SW3546**

Matrix: SOIL

Sample ID	Type	Actual	Criteria	Units	Flag
DU14-S004-00-01-X (Reanalysis-01) DU14-S006-00-01-X (Reanalysis-02)	Sampling To Extraction	42.00 35.00	14.00 14.00	DAYS DAYS	J-(all detects) R(all non-detects)

Surrogate Outlier Report

Lab Reporting Batch ID: APP43 **Laboratory: LLL**

EDD Filename: APP43-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D**
Matrix: **SOIL**

Sample ID (Analysis Type)	*Surrogate*	*Sample % Recovery*	*% Recovery Limits*	*Affected Compounds*	*Flag*
DU14-S004-00-01 (Initial)	2-FLUOROBIPHENYL Nitrobenzene-d5 Terphenyl-d14	38 36 37	44.00-115.00 37.00-122.00 54.00-127.00	All Base/Neutral Target Analytes	J- (all detects) UJ (all non-detects)
DU14-S004-00-01-X (Reanalysis-01)	2-FLUOROBIPHENYL Terphenyl-d14	40 37	44.00-115.00 54.00-127.00	All Base/Neutral Target Analytes	J-(all detects) UJ(all non-detects)

Method: **8270D SIM**
Matrix: **SOIL**

Sample ID (Analysis Type)	*Surrogate*	*Sample % Recovery*	*% Recovery Limits*	*Affected Compounds*	*Flag*
DU14-S004-00-01 (Initial)	1-Methylnaphthalene-d10 BENZO (A) PYRENE-D12 Fluoranthene-d10	40 34 35	52.00-110.00 53.00-137.00 56.00-142.00	All Base/Neutral Target Analytes	J-(all detects) UJ(all non-detects)
DU14-S006-00-01 (Initial)	1-Methylnaphthalene-d10 Fluoranthene-d10	5 52	52.00-110.00 56.00-142.00	All Base/Neutral Target Analytes	J-(all detects) UJ(all non-detects)
DU14-S006-00-01 (Reanalysis-01)	1-Methylnaphthalene-d10	8	52.00-110.00	No Affected Compounds	

Field Duplicate RPD Report

Lab Reporting Batch ID: APP43 **Laboratory: LLL**

EDD Filename: APP43-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D SIM
Matrix: SOIL

Analyte	Concentration (mg/kg) DU14-S006-01-10	Concentration (mg/kg) DU14-S006-01-10D	Sample RPD	eQAPP RPD	Flag
BENZO(A)PYRENE	0.00077	0.00096	22	30.00	No Qualifiers Applied
BENZO(B)FLUORANTHENE	0.0013	0.0015	14	30.00	
CHRYSENE	0.00082	0.0010	20	30.00	
FLUORANTHENE	0.0018	0.0020	11	30.00	
PHENANTHRENE	0.0015	0.0012	22	30.00	
PYRENE	0.0015	0.0015	0	30.00	
ACENAPHTHYLENE	0.0018 U	0.00037	200	30.00	J(all detects) UJ(all non-detects)
BENZ(A)ANTHRACENE	0.00078	0.0011	34	30.00	
NAPHTHALENE	0.00078	0.0019	84	30.00	

Analyte	Concentration (mg/kg) DU14-S002-01-10	Concentration (mg/kg) DU14-S002-01-10D	Sample RPD	eQAPP RPD	Flag
1-METHYLNAPHTHALENE	0.0019 U	0.0014	200	30.00	J(all detects) UJ(all non-detects)
2-METHYLNAPHTHALENE	0.0019 U	0.0023	200	30.00	
ACENAPHTHENE	0.0019 U	0.0028	200	30.00	
ACENAPHTHYLENE	0.0019 U	0.0014	200	30.00	
ANTHRACENE	0.00047	0.0071	175	30.00	
BENZ(A)ANTHRACENE	0.0026	0.036	173	30.00	
BENZO(A)PYRENE	0.0029	0.041	174	30.00	
BENZO(B)FLUORANTHENE	0.0044	0.067	175	30.00	
BENZO(G,H,I)PERYLENE	0.00094	0.011	169	30.00	
BENZO(K)FLUORANTHENE	0.0018	0.026	174	30.00	
CHRYSENE	0.0030	0.042	173	30.00	
DIBENZO(A,H)ANTHRACENE	0.0019 U	0.0043	200	30.00	
FLUORANTHENE	0.0044	0.082	180	30.00	
FLUORENE	0.0019 U	0.0027	200	30.00	
INDENO(1,2,3-CD)PYRENE	0.0010	0.014	173	30.00	
NAPHTHALENE	0.0019 U	0.0022	200	30.00	
PHENANTHRENE	0.0020	0.039	180	30.00	
PYRENE	0.0041	0.080	180	30.00	

Analyte	Concentration (mg/kg) DU14-S004-01-10	Concentration (mg/kg) DU14-S004-01-10D	Sample RPD	eQAPP RPD	Flag
BENZO(B)FLUORANTHENE	0.0011	0.00098	12	30.00	No Qualifiers Applied
CHRYSENE	0.00067	0.00058	14	30.00	
FLUORANTHENE	0.0012	0.0011	9	30.00	
PYRENE	0.00094	0.00088	7	30.00	

Method: 8270D
Matrix: SOIL

Analyte	Concentration (mg/kg) DU14-S006-01-10	Concentration (mg/kg) DU14-S006-01-10D	Sample RPD	eQAPP RPD	Flag
BENZO(A)PYRENE	0.018 U	0.005	200	30.00	J(all detects) UJ(all non-detects)
BENZO(B)FLUORANTHENE	0.018 U	0.006	200	30.00	
BENZO(K)FLUORANTHENE	0.018 U	0.004	200	30.00	
CHRYSENE	0.018 U	0.004	200	30.00	
FLUORANTHENE	0.018 U	0.004	200	30.00	
PYRENE	0.018 U	0.005	200	30.00	

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Field Duplicate RPD Report

Lab Reporting Batch ID: APP43 **Laboratory: LLL**

EDD Filename: APP43-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D
Matrix: SOIL

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU14-S002-01-10	DU14-S002-01-10D			
ACENAPHTHENE	0.019 U	0.004	200	30.00	
ACENAPHTHYLENE	0.019 U	0.005	200	30.00	
ANTHRACENE	0.019 U	0.013	200	30.00	
BENZ(A)ANTHRACENE	0.004	0.041	164	30.00	
Benzo (g,h,i) perylene	0.006	0.029	131	30.00	
BENZO(A)PYRENE	0.007	0.044	145	30.00	
BENZO(B)FLUORANTHENE	0.009	0.063	150	30.00	
BENZO(K)FLUORANTHENE	0.005	0.035	150	30.00	J(all detects)
BENZOIC ACID	0.56 U	0.70	200	30.00	UJ(all non-detects)
CHRYSENE	0.005	0.047	162	30.00	
DIBENZO(A,H)ANTHRACENE	0.019 U	0.021	200	30.00	
FLUORANTHENE	0.008	0.096	169	30.00	
FLUORENE	0.019 U	0.005	200	30.00	
INDENO(1,2,3-CD)PYRENE	0.005	0.031	144	30.00	
PHENANTHRENE	0.019 U	0.051	200	30.00	
PYRENE	0.007	0.085	170	30.00	

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU14-S004-01-10	DU14-S004-01-10D			
Benzo (g,h,i) perylene	0.004	0.004	0	30.00	
BENZO(A)PYRENE	0.005	0.004	22	30.00	No Qualifiers Applied
BENZO(B)FLUORANTHENE	0.005	0.006	18	30.00	
BENZO(K)FLUORANTHENE	0.004	0.019 U	200	30.00	J(all detects) UJ(all non-detects)

Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP43 **Laboratory: LLL**

EDD Filename: APP43-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D**
Matrix: **SOIL**

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P3LJLCSQ173SLJ026 (DU12-S008-01-10 DU12-S011-01-10 DU14-S006-01-10)	2-CHLORONAPHTHALENE	115	-	41.00-114.00	-	2-CHLORONAPHTHALENE	J+ (all detects)
P6LBLCSQ176SLB026 (DU12-S011-00-01 DU12-S016-01-10 DU14-S006-00-01)	2-CHLORONAPHTHALENE	116	-	41.00-114.00	-	2-CHLORONAPHTHALENE	J+(all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP43 **Laboratory: LLL**

EDD Filename: APP43-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU12-S008-00-01	2-Methylphenol (o-Cresol)	J	0.12	0.18	LOQ	mg/kg	J (all detects)
DU12-S008-01-10	ACENAPHTHYLENE	J	0.068	0.094	LOQ	mg/kg	J (all detects)
DU12-S011-00-01	1,1-BIPHENYL	J	0.028	0.039	LOQ	mg/kg	J (all detects)
	1-METHYLNAPHTHALENE	J	0.082	0.098	LOQ	mg/kg	
	2-METHYLNAPHTHALENE	J	0.086	0.098	LOQ	mg/kg	
DU12-S011-01-10	1-METHYLNAPHTHALENE	J	0.010	0.019	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.012	0.019	LOQ	mg/kg	
	ACENAPHTHENE	J	0.004	0.019	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.005	0.019	LOQ	mg/kg	
	ANTHRACENE	J	0.007	0.019	LOQ	mg/kg	
	BENZ(A)ANTHRACENE	J	0.016	0.019	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.012	0.019	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.014	0.019	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.008	0.019	LOQ	mg/kg	
	CHRYSENE	J	0.016	0.019	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.004	0.019	LOQ	mg/kg	
	FLUORENE	J	0.006	0.019	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.010	0.019	LOQ	mg/kg	
DU12-S012-00-01	1,1-BIPHENYL	J	0.028	0.040	LOQ	mg/kg	J (all detects)
	BENZALDEHYDE	J	0.14	0.20	LOQ	mg/kg	
DU12-S012-01-10	BENZO(A)PYRENE	J	0.004	0.019	LOQ	mg/kg	J (all detects)
	BENZO(B)FLUORANTHENE	J	0.004	0.019	LOQ	mg/kg	
	FLUORANTHENE	J	0.005	0.019	LOQ	mg/kg	
	PYRENE	J	0.006	0.019	LOQ	mg/kg	
DU12-S016-00-01	1-METHYLNAPHTHALENE	J	0.011	0.020	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.011	0.020	LOQ	mg/kg	
	BENZOIC ACID	J	0.33	0.58	LOQ	mg/kg	
	CARBAZOLE	J	0.028	0.038	LOQ	mg/kg	
	NAPHTHALENE	J	0.018	0.020	LOQ	mg/kg	
DU12-S016-01-10	PYRENE	J	0.004	0.018	LOQ	mg/kg	J (all detects)
DU14-S001-00-01	Benzo (g,h,i) perylene	J	0.005	0.020	LOQ	mg/kg	J (all detects)
	BENZO(A)PYRENE	J	0.006	0.020	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.007	0.020	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.006	0.020	LOQ	mg/kg	
	CHRYSENE	J	0.004	0.020	LOQ	mg/kg	
	FLUORANTHENE	J	0.005	0.020	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.004	0.020	LOQ	mg/kg	
	PYRENE	J	0.006	0.020	LOQ	mg/kg	
DU14-S001-01-10	BENZ(A)ANTHRACENE	J	0.005	0.019	LOQ	mg/kg	J (all detects)
	Benzo (g,h,i) perylene	J	0.005	0.019	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.006	0.019	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.008	0.019	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.004	0.019	LOQ	mg/kg	
	CHRYSENE	J	0.005	0.019	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.006	0.019	LOQ	mg/kg	
	FLUORANTHENE	J	0.007	0.019	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.005	0.019	LOQ	mg/kg	
	PHENANTHRENE	J	0.005	0.019	LOQ	mg/kg	
	PYRENE	J	0.008	0.019	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP43 **Laboratory: LLL**

EDD Filename: APP43-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU14-S002-00-01	1-METHYLNAPHTHALENE	J	0.004	0.018	LOQ	mg/kg	
	ACENAPHTHENE	J	0.006	0.018	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.008	0.018	LOQ	mg/kg	
	ANTHRACENE	J	0.011	0.018	LOQ	mg/kg	J (all detects)
	BENZOIC ACID	J	0.27	0.54	LOQ	mg/kg	
	FLUORENE	J	0.006	0.018	LOQ	mg/kg	
	NAPHTHALENE	J	0.004	0.018	LOQ	mg/kg	
DU14-S002-01-10	BENZ(A)ANTHRACENE	J	0.004	0.019	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.006	0.019	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.007	0.019	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.009	0.019	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.005	0.019	LOQ	mg/kg	J (all detects)
	CHRYSENE	J	0.005	0.019	LOQ	mg/kg	
	FLUORANTHENE	J	0.008	0.019	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.005	0.019	LOQ	mg/kg	
	PYRENE	J	0.007	0.019	LOQ	mg/kg	
DU14-S002-01-10D	ACENAPHTHENE	J	0.004	0.019	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.005	0.019	LOQ	mg/kg	J (all detects)
	ANTHRACENE	J	0.013	0.019	LOQ	mg/kg	
	FLUORENE	J	0.005	0.019	LOQ	mg/kg	
DU14-S003-00-01	ACENAPHTHYLENE	J	0.005	0.020	LOQ	mg/kg	
	ANTHRACENE	J	0.008	0.020	LOQ	mg/kg	
	BENZOIC ACID	J	0.26	0.60	LOQ	mg/kg	J (all detects)
	DIBENZO(A,H)ANTHRACENE	J	0.016	0.020	LOQ	mg/kg	
	FLUORENE	J	0.004	0.020	LOQ	mg/kg	
DU14-S003-01-10	Benzo (g,h,i) perylene	J	0.005	0.022	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.005	0.022	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.006	0.022	LOQ	mg/kg	J (all detects)
	INDENO(1,2,3-CD)PYRENE	J	0.006	0.022	LOQ	mg/kg	
	PYRENE	J	0.005	0.022	LOQ	mg/kg	
DU14-S004-00-01	1-METHYLNAPHTHALENE	J	0.013	0.037	LOQ	mg/kg	
	2-METHYLNAPHTHALENE	J	0.021	0.037	LOQ	mg/kg	
	ACENAPHTHENE	J	0.008	0.037	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.028	0.037	LOQ	mg/kg	J (all detects)
	ANTHRACENE	J	0.036	0.037	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.017	0.037	LOQ	mg/kg	
	FLUORENE	J	0.008	0.037	LOQ	mg/kg	
	NAPHTHALENE	J	0.028	0.037	LOQ	mg/kg	
DU14-S004-00-01-X	ACENAPHTHYLENE	J	0.019	0.037	LOQ	mg/kg	
	ANTHRACENE	J	0.016	0.037	LOQ	mg/kg	
	BENZ(A)ANTHRACENE	J	0.031	0.037	LOQ	mg/kg	
	BENZALDEHYDE	J	0.20	0.36	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.025	0.037	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.032	0.037	LOQ	mg/kg	J (all detects)
	DIBENZO(A,H)ANTHRACENE	J	0.008	0.037	LOQ	mg/kg	
	FLUORENE	J	0.010	0.037	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.025	0.037	LOQ	mg/kg	
	PHENANTHRENE	J	0.030	0.037	LOQ	mg/kg	
DU14-S004-01-10	Benzo (g,h,i) perylene	J	0.004	0.020	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.005	0.020	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.005	0.020	LOQ	mg/kg	J (all detects)
	BENZO(K)FLUORANTHENE	J	0.004	0.020	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP43 **Laboratory: LLL**

EDD Filename: APP43-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU14-S004-01-10D	Benzo (g,h,i) perylene	J	0.004	0.019	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.004	0.019	LOQ	mg/kg	J (all detects)
	BENZO(B)FLUORANTHENE	J	0.006	0.019	LOQ	mg/kg	
DU14-S005-00-01	1-METHYLNAPHTHALENE	J	0.004	0.021	LOQ	mg/kg	
	2-METHYLNAPHTHALENE	J	0.006	0.021	LOQ	mg/kg	
	ACENAPHTHENE	J	0.005	0.021	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.008	0.021	LOQ	mg/kg	
	ANTHRACENE	J	0.019	0.021	LOQ	mg/kg	J (all detects)
	BENZALDEHYDE	J	0.12	0.20	LOQ	mg/kg	
	FLUORENE	J	0.006	0.021	LOQ	mg/kg	
	NAPHTHALENE	J	0.008	0.021	LOQ	mg/kg	
DU14-S005-01-10	Benzo (g,h,i) perylene	J	0.004	0.019	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.005	0.019	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.006	0.019	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.005	0.019	LOQ	mg/kg	J (all detects)
	CHRYSENE	J	0.004	0.019	LOQ	mg/kg	
	FLUORANTHENE	J	0.006	0.019	LOQ	mg/kg	
	PYRENE	J	0.005	0.019	LOQ	mg/kg	
DU14-S006-00-01	ACENAPHTHENE	J	0.008	0.020	LOQ	mg/kg	
	ANTHRACENE	J	0.012	0.020	LOQ	mg/kg	
	BENZALDEHYDE	J	0.11	0.20	LOQ	mg/kg	
	BENZOIC ACID	J	0.51	0.59	LOQ	mg/kg	J (all detects)
	DIBENZO(A,H)ANTHRACENE	J	0.016	0.020	LOQ	mg/kg	
	FLUORENE	J	0.008	0.020	LOQ	mg/kg	
	NAPHTHALENE	J	0.005	0.020	LOQ	mg/kg	
DU14-S006-01-10D	BENZO(A)PYRENE	J	0.005	0.019	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.006	0.019	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.004	0.019	LOQ	mg/kg	J (all detects)
	CHRYSENE	J	0.004	0.019	LOQ	mg/kg	
	FLUORANTHENE	J	0.004	0.019	LOQ	mg/kg	
	PYRENE	J	0.005	0.019	LOQ	mg/kg	
DU14-S009-00-01	1-METHYLNAPHTHALENE	J	0.004	0.019	LOQ	mg/kg	
	2-METHYLNAPHTHALENE	J	0.006	0.019	LOQ	mg/kg	
	ACENAPHTHENE	J	0.009	0.019	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.008	0.019	LOQ	mg/kg	J (all detects)
	BENZOIC ACID	J	0.27	0.57	LOQ	mg/kg	
	FLUORENE	J	0.011	0.019	LOQ	mg/kg	
	NAPHTHALENE	J	0.007	0.019	LOQ	mg/kg	
DU14-S009-01-10	Benzo (g,h,i) perylene	J	0.004	0.018	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.007	0.018	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.006	0.018	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.005	0.018	LOQ	mg/kg	
	CHRYSENE	J	0.004	0.018	LOQ	mg/kg	J (all detects)
	FLUORANTHENE	J	0.007	0.018	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.005	0.018	LOQ	mg/kg	
	PHENANTHRENE	J	0.005	0.018	LOQ	mg/kg	
	PYRENE	J	0.006	0.018	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP43 **Laboratory: LLL**

EDD Filename: APP43-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU14-S013-00-01	1-METHYLNAPHTHALENE	J	0.004	0.019	LOQ	mg/kg	
	2-METHYLNAPHTHALENE	J	0.006	0.019	LOQ	mg/kg	
	ACENAPHTHENE	J	0.010	0.019	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.009	0.019	LOQ	mg/kg	J (all detects)
	BENZALDEHYDE	J	0.090	0.19	LOQ	mg/kg	
	FLUORENE	J	0.011	0.019	LOQ	mg/kg	
	NAPHTHALENE	J	0.009	0.019	LOQ	mg/kg	
DU14-S013-01-10	BENZ(A)ANTHRACENE	J	0.005	0.019	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.005	0.019	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.007	0.019	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.008	0.019	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.006	0.019	LOQ	mg/kg	
	CHRYSENE	J	0.006	0.019	LOQ	mg/kg	J (all detects)
	DIBENZO(A,H)ANTHRACENE	J	0.004	0.019	LOQ	mg/kg	
	FLUORANTHENE	J	0.010	0.019	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.005	0.019	LOQ	mg/kg	
	PHENANTHRENE	J	0.005	0.019	LOQ	mg/kg	
	PYRENE	J	0.009	0.019	LOQ	mg/kg	

Method: 8270D SIM

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU12-S011-01-10	ACENAPHTHYLENE	J	0.00053	0.0019	LOQ	mg/kg	J (all detects)
	DIBENZO(A,H)ANTHRACENE	J	0.0011	0.0019	LOQ	mg/kg	
DU12-S012-01-10	1-METHYLNAPHTHALENE	J	0.00082	0.0019	LOQ	mg/kg	
	2-METHYLNAPHTHALENE	J	0.0014	0.0019	LOQ	mg/kg	
	ANTHRACENE	J	0.00086	0.0019	LOQ	mg/kg	J (all detects)
	BENZO(G,H,I)PERYLENE	J	0.00097	0.0019	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.0010	0.0019	LOQ	mg/kg	
	NAPHTHALENE	J	0.0013	0.0019	LOQ	mg/kg	
DU12-S016-01-10	PYRENE	J	0.00040	0.0018	LOQ	mg/kg	J (all detects)
DU14-S001-00-01	2-METHYLNAPHTHALENE	J	0.0015	0.0020	LOQ	mg/kg	
	BENZ(A)ANTHRACENE	J	0.0019	0.0020	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.0017	0.0020	LOQ	mg/kg	
	BENZO(G,H,I)PERYLENE	J	0.00084	0.0020	LOQ	mg/kg	J (all detects)
	BENZO(K)FLUORANTHENE	J	0.0010	0.0020	LOQ	mg/kg	
	CHRYSENE	J	0.0017	0.0020	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.00086	0.0020	LOQ	mg/kg	
	PHENANTHRENE	J	0.0019	0.0020	LOQ	mg/kg	
DU14-S001-01-10	ANTHRACENE	J	0.00092	0.0019	LOQ	mg/kg	
	BENZO(G,H,I)PERYLENE	J	0.0012	0.0019	LOQ	mg/kg	J (all detects)
	BENZO(K)FLUORANTHENE	J	0.0014	0.0019	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.0014	0.0019	LOQ	mg/kg	
DU14-S002-00-01	1-METHYLNAPHTHALENE	J	0.0014	0.0018	LOQ	mg/kg	J (all detects)
	ACENAPHTHYLENE	J	0.0015	0.0018	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP43 **Laboratory: LLL**

EDD Filename: APP43-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D SIM

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU14-S002-01-10	ANTHRACENE	J	0.00047	0.0019	LOQ	mg/kg	J (all detects)
	BENZO(G,H,I)PERYLENE	J	0.00094	0.0019	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.0018	0.0019	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.0010	0.0019	LOQ	mg/kg	
DU14-S002-01-10D	1-METHYLNAPHTHALENE	J	0.0014	0.0019	LOQ	mg/kg	J (all detects)
	ACENAPHTHYLENE	J	0.0014	0.0019	LOQ	mg/kg	
DU14-S003-00-01	2-METHYLNAPHTHALENE	J	0.0012	0.0020	LOQ	mg/kg	J (all detects)
	ACENAPHTHENE	J	0.0016	0.0020	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.0011	0.0020	LOQ	mg/kg	
	FLUORENE	J	0.0018	0.0020	LOQ	mg/kg	
	NAPHTHALENE	J	0.0014	0.0020	LOQ	mg/kg	
DU14-S003-01-10	BENZO(A)PYRENE	J	0.00090	0.0022	LOQ	mg/kg	J (all detects)
	BENZO(B)FLUORANTHENE	J	0.0014	0.0022	LOQ	mg/kg	
	CHRYSENE	J	0.00090	0.0022	LOQ	mg/kg	
	FLUORANTHENE	J	0.0015	0.0022	LOQ	mg/kg	
	PYRENE	J	0.0013	0.0022	LOQ	mg/kg	
DU14-S004-00-01	FLUORENE	J	0.0028	0.0036	LOQ	mg/kg	J (all detects)
DU14-S004-00-01-X	ANTHRACENE	J	0.0023	0.0036	LOQ	mg/kg	J (all detects)
	BENZO(G,H,I)PERYLENE	J	0.0033	0.0036	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.0033	0.0036	LOQ	mg/kg	
	FLUORENE	J	0.0033	0.0036	LOQ	mg/kg	
	INDENO(1,2,3-CD)PYRENE	J	0.0034	0.0036	LOQ	mg/kg	
DU14-S004-01-10	BENZO(B)FLUORANTHENE	J	0.0011	0.0020	LOQ	mg/kg	J (all detects)
	CHRYSENE	J	0.00067	0.0020	LOQ	mg/kg	
	FLUORANTHENE	J	0.0012	0.0020	LOQ	mg/kg	
	PYRENE	J	0.00094	0.0020	LOQ	mg/kg	
DU14-S004-01-10D	BENZO(B)FLUORANTHENE	J	0.00098	0.0019	LOQ	mg/kg	J (all detects)
	CHRYSENE	J	0.00058	0.0019	LOQ	mg/kg	
	FLUORANTHENE	J	0.0011	0.0019	LOQ	mg/kg	
	PYRENE	J	0.00088	0.0019	LOQ	mg/kg	
DU14-S005-00-01	ACENAPHTHYLENE	J	0.0018	0.0020	LOQ	mg/kg	J (all detects)
DU14-S005-01-10	BENZ(A)ANTHRACENE	J	0.0015	0.0018	LOQ	mg/kg	J (all detects)
	BENZO(A)PYRENE	J	0.0015	0.0018	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.00092	0.0018	LOQ	mg/kg	
	NAPHTHALENE	J	0.0010	0.0018	LOQ	mg/kg	
	PHENANTHRENE	J	0.0013	0.0018	LOQ	mg/kg	
DU14-S006-00-01-X	1-METHYLNAPHTHALENE	J	0.0014	0.0020	LOQ	mg/kg	J (all detects)
	ACENAPHTHYLENE	J	0.0013	0.0020	LOQ	mg/kg	
DU14-S006-01-10	BENZ(A)ANTHRACENE	J	0.00078	0.0018	LOQ	mg/kg	J (all detects)
	BENZO(A)PYRENE	J	0.00077	0.0018	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.0013	0.0018	LOQ	mg/kg	
	CHRYSENE	J	0.00082	0.0018	LOQ	mg/kg	
	NAPHTHALENE	J	0.00078	0.0018	LOQ	mg/kg	
	PHENANTHRENE	J	0.0015	0.0018	LOQ	mg/kg	
	PYRENE	J	0.0015	0.0018	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP43 **Laboratory: LLL**

EDD Filename: APP43-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**

Matrix: **SOIL**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
DU14-S006-01-10D	ACENAPHTHYLENE	J	0.00037	0.0018	LOQ	mg/kg	
	BENZ(A)ANTHRACENE	J	0.0011	0.0018	LOQ	mg/kg	
	BENZO(A)PYRENE	J	0.00096	0.0018	LOQ	mg/kg	
	BENZO(B)FLUORANTHENE	J	0.0015	0.0018	LOQ	mg/kg	J (all detects)
	CHRYSENE	J	0.0010	0.0018	LOQ	mg/kg	
	PHENANTHRENE	J	0.0012	0.0018	LOQ	mg/kg	
	PYRENE	J	0.0015	0.0018	LOQ	mg/kg	
DU14-S009-01-10	ANTHRACENE	J	0.00045	0.0018	LOQ	mg/kg	
	BENZO(K)FLUORANTHENE	J	0.0014	0.0018	LOQ	mg/kg	J (all detects)
	INDENO(1,2,3-CD)PYRENE	J	0.00073	0.0018	LOQ	mg/kg	
DU14-S013-01-10	ANTHRACENE	J	0.00059	0.0018	LOQ	mg/kg	
	BENZO(G,H,I)PERYLENE	J	0.00098	0.0018	LOQ	mg/kg	J (all detects)
	INDENO(1,2,3-CD)PYRENE	J	0.0011	0.0018	LOQ	mg/kg	

Method Blank Outlier Report

Lab Reporting Batch ID: APP43 **Laboratory: LLL**

EDD Filename: APP43-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**
Matrix: **SOIL**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
PLKLC20B200SLC026	7/23/2017 3:15:00 PM	NAPHTHALENE	0.00074 mg/kg	DU14-S006-00-01-X

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
DU14-S006-00-01-X(Reanalysis-02)	NAPHTHALENE	0.0024 mg/kg	0.0024U mg/kg

Equipment Rinsate Blank Outlier Report

Lab Reporting Batch ID: APP43 **Laboratory: LLL**

EDD Filename: APP43-C_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**
Matrix: **SOIL**

Equipment Blank Sample ID	Collected Date	Analyte	Result	Associated Samples
EB-SO061417-02(Initial/TOT)	6/14/2017 12:30:00 PM	NAPHTHALENE	0.19 ug/l	DU14-S001-00-01 DU14-S001-01-10 DU14-S002-00-01 DU14-S002-01-10 DU14-S002-01-10D DU14-S003-00-01 DU14-S003-01-10 DU14-S004-00-01 DU14-S004-00-01-X DU14-S004-01-10 DU14-S004-01-10D DU14-S005-00-01 DU14-S005-01-10 DU14-S006-00-01 DU14-S006-00-01-X DU14-S006-01-10 DU14-S006-01-10D DU14-S009-00-01 DU14-S009-01-10 DU14-S013-00-01 DU14-S013-01-10

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
DU14-S006-01-10(Initial)	NAPHTHALENE	0.00078 mg/kg	0.0018U mg/kg

Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page	1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.		
Laboratory SDG:	APP44		
Date(s) of Collection:	June 16th, 2017		
Number/Type Samples & Analyses:	16 soil samples and 3 duplicates for a project-specific list of hexavalent chromium and metals		
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA		
Completed:	August 9th, 2017		

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for soil data included in Sample Delivery Group (SDG) APP44. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017.

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✓ Holding times and sample preservation

✓ Laboratory method blank data

✓ Field rinsate blank data

NA Trip blank data

✓ Laboratory control sample (LCS) recoveries

✗ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✓ Surrogate recoveries

✗ Laboratory duplicate results

✗ Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of "J" data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP44 **Laboratory: LLL**

EDD Filename: APP44-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Validation Area	*Note*
Technical Holding Times	A
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	A
Surrogate/Tracer Spikes	N
Matrix Spike/Matrix Spike Duplicates	SR
Laboratory Duplicates	SR
Laboratory Replicates	N
Laboratory Control Samples	A
Compound Quantitation	SR
Field Duplicates	SR
Field Triplicates	N
Field Blanks	A

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP44 **Laboratory: LLL**

EDD Filename: APP44-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SOIL**

Sample ID: **DU09-S001-00-01** ***Collected:*** **6/16/2017 12:20:00 PM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	13300		12.6	LOD	50.6	LOQ	mg/kg	J	Ms, Ms
ANTIMONY	0.244	J	0.253	LOD	0.506	LOQ	mg/kg	J	Rl, Ms, Ld
ARSENIC	4.84		0.506	LOD	1.01	LOQ	mg/kg	J+	Ms
BARIUM	40.5		0.506	LOD	1.01	LOQ	mg/kg	J+	Ms
CADMIUM	0.0984	J	0.126	LOD	0.253	LOQ	mg/kg	J	Rl
COPPER	14.7		0.253	LOD	1.01	LOQ	mg/kg	J	Ms, Ms
IRON	15200		25.3	LOD	50.6	LOQ	mg/kg	J	Ms, Ms, Ms
LEAD	25.0		0.0632	LOD	0.506	LOQ	mg/kg	J	Ms, Ms
MAGNESIUM	2270		12.6	LOD	50.6	LOQ	mg/kg	J	Ms, Ms
MANGANESE	238		0.253	LOD	1.01	LOQ	mg/kg	J	Ms, Ms
NICKEL	8.72		0.253	LOD	1.01	LOQ	mg/kg	J+	Ms
SELENIUM	0.532	J	0.253	LOD	1.01	LOQ	mg/kg	J	Rl
SILVER	0.0584	J	0.0632	LOD	0.253	LOQ	mg/kg	J	Rl
VANADIUM	30.9		0.126	LOD	0.253	LOQ	mg/kg	J	Ms, Ms
ZINC	33.9		3.79	LOD	7.59	LOQ	mg/kg	J+	Ms
CHROMIUM	15.4		0.506	LOD	1.01	LOQ	mg/kg	J	Ms, Ms

Sample ID: **DU09-S001-00-01** ***Collected:*** **6/16/2017 12:20:00 PM** ***Analysis Type:*** **Reanalysis-01** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	1040		50.6	LOD	101	LOQ	mg/kg	J-	Ms
THALLIUM	0.184	J	0.0632	LOD	0.253	LOQ	mg/kg	J	Rl

Sample ID: **DU09-S002-00-01** ***Collected:*** **6/16/2017 12:00:00 PM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.118	J	0.0362	LOD	0.290	LOQ	mg/kg	J	Rl
SELENIUM	0.211	J	0.290	LOD	1.16	LOQ	mg/kg	J	Rl
SODIUM	95.6	J	29.0	LOD	116	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP44 **Laboratory: LLL**

EDD Filename: APP44-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU09-S002-00-01 **Collected:** 6/16/2017 12:00:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.0585	J	0.0724	LOD	0.290	LOQ	mg/kg	J	RI

Sample ID: DU09-S003-00-01 **Collected:** 6/16/2017 12:10:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.107	J	0.189	LOD	0.377	LOQ	mg/kg	J	RI
CADMIUM	0.0400	J	0.0943	LOD	0.189	LOQ	mg/kg	J	RI
SELENIUM	0.382	J	0.189	LOD	0.755	LOQ	mg/kg	J	RI
SILVER	0.0466	J	0.0472	LOD	0.189	LOQ	mg/kg	J	RI

Sample ID: DU09-S003-00-01 **Collected:** 6/16/2017 12:10:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.0791	J	0.0472	LOD	0.189	LOQ	mg/kg	J	RI

Sample ID: DU09-S003-00-01D **Collected:** 6/16/2017 12:10:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.106	J	0.202	LOD	0.403	LOQ	mg/kg	J	RI
CADMIUM	0.0470	J	0.101	LOD	0.202	LOQ	mg/kg	J	RI
SELENIUM	0.383	J	0.202	LOD	0.806	LOQ	mg/kg	J	RI
SILVER	0.0502	J	0.0504	LOD	0.202	LOQ	mg/kg	J	RI

Sample ID: DU09-S003-00-01D **Collected:** 6/16/2017 12:10:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.0830	J	0.0504	LOD	0.202	LOQ	mg/kg	J	RI

Sample ID: DU09-S004-00-01 **Collected:** 6/16/2017 11:50:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.134	J	0.187	LOD	0.375	LOQ	mg/kg	J	RI
BERYLLIUM	0.109	J	0.0234	LOD	0.187	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP44 **Laboratory: LLL**

EDD Filename: APP44-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU09-S004-00-01 **Collected:** 6/16/2017 11:50:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.203	J	0.187	LOD	0.749	LOQ	mg/kg	J	RI
SILVER	0.0343	J	0.0468	LOD	0.187	LOQ	mg/kg	J	RI

Sample ID: DU09-S004-00-01 **Collected:** 6/16/2017 11:50:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.0529	J	0.0468	LOD	0.187	LOQ	mg/kg	J	RI

Sample ID: DU09-S005-00-01 **Collected:** 6/16/2017 12:30:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.268	J	0.218	LOD	0.435	LOQ	mg/kg	J	RI
CADMIUM	0.0934	J	0.109	LOD	0.218	LOQ	mg/kg	J	RI
SELENIUM	0.365	J	0.218	LOD	0.871	LOQ	mg/kg	J	RI

Sample ID: DU09-S005-00-01 **Collected:** 6/16/2017 12:30:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.189	J	0.0544	LOD	0.218	LOQ	mg/kg	J	RI

Sample ID: DU09-S006-00-01 **Collected:** 6/16/2017 12:40:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.195	J	0.242	LOD	0.485	LOQ	mg/kg	J	RI
CADMIUM	0.0575	J	0.121	LOD	0.242	LOQ	mg/kg	J	RI
SELENIUM	0.356	J	0.242	LOD	0.970	LOQ	mg/kg	J	RI
SILVER	0.0388	J	0.0606	LOD	0.242	LOQ	mg/kg	J	RI

Sample ID: DU09-S006-00-01 **Collected:** 6/16/2017 12:40:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.126	J	0.0606	LOD	0.242	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP44 **Laboratory: LLL**

EDD Filename: APP44-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU09-S007-00-01 **Collected:** 6/16/2017 1:00:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0452	J	0.0975	LOD	0.195	LOQ	mg/kg	J	Rl
SELENIUM	0.257	J	0.195	LOD	0.780	LOQ	mg/kg	J	Rl
SILVER	0.0339	J	0.0487	LOD	0.195	LOQ	mg/kg	J	Rl

Sample ID: DU09-S007-00-01 **Collected:** 6/16/2017 1:00:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.0613	J	0.0487	LOD	0.195	LOQ	mg/kg	J	Rl

Sample ID: DU09-S008-00-01 **Collected:** 6/16/2017 11:40:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.107	J	0.160	LOD	0.320	LOQ	mg/kg	J	Rl, Fd
CADMIUM	0.0800	U	0.0800	LOD	0.160	LOQ	mg/kg	UJ	Fd
IRON	8740		16.0	LOD	32.0	LOQ	mg/kg	J	Fd
SELENIUM	0.209	J	0.160	LOD	0.640	LOQ	mg/kg	J	Rl

Sample ID: DU09-S008-00-01 **Collected:** 6/16/2017 11:40:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.106	J	0.0400	LOD	0.160	LOQ	mg/kg	J	Rl

Sample ID: DU09-S008-00-01D **Collected:** 6/16/2017 11:40:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.193	U	0.193	LOD	0.385	LOQ	mg/kg	UJ	Fd
CADMIUM	0.0341	J	0.0963	LOD	0.193	LOQ	mg/kg	J	Rl, Fd
IRON	13900		19.3	LOD	38.5	LOQ	mg/kg	J	Fd
SELENIUM	0.246	J	0.193	LOD	0.770	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP44 **Laboratory: LLL**

EDD Filename: APP44-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix: SOIL**

Sample ID: DU09-S008-00-01D **Collected:** 6/16/2017 11:40:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.0996	J	0.0481	LOD	0.193	LOQ	mg/kg	J	RI

Sample ID: DU09-S009-00-01 **Collected:** 6/16/2017 11:30:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.137	J	0.194	LOD	0.387	LOQ	mg/kg	J	RI
CADMIUM	0.0519	J	0.0968	LOD	0.194	LOQ	mg/kg	J	RI
SELENIUM	0.242	J	0.194	LOD	0.774	LOQ	mg/kg	J	RI
SILVER	0.0337	J	0.0484	LOD	0.194	LOQ	mg/kg	J	RI
SODIUM	68.0	J	19.4	LOD	77.4	LOQ	mg/kg	J	RI

Sample ID: DU09-S009-00-01 **Collected:** 6/16/2017 11:30:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.0746	J	0.0484	LOD	0.194	LOQ	mg/kg	J	RI

Sample ID: DU09-S010-00-01 **Collected:** 6/16/2017 11:00:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.0923	J	0.191	LOD	0.383	LOQ	mg/kg	J	RI
BERYLLIUM	0.131	J	0.0239	LOD	0.191	LOQ	mg/kg	J	RI
SELENIUM	0.129	J	0.191	LOD	0.766	LOQ	mg/kg	J	RI
SODIUM	75.5	J	19.1	LOD	76.6	LOQ	mg/kg	J	RI

Sample ID: DU09-S010-00-01 **Collected:** 6/16/2017 11:00:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.0576	J	0.0478	LOD	0.191	LOQ	mg/kg	J	RI

Sample ID: DU09-S011-00-01 **Collected:** 6/16/2017 10:50:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0490	J	0.0969	LOD	0.194	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP44 **Laboratory: LLL**

EDD Filename: APP44-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU09-S011-00-01 **Collected:** 6/16/2017 10:50:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.157	J	0.194	LOD	0.775	LOQ	mg/kg	J	RI
SILVER	0.0421	J	0.0485	LOD	0.194	LOQ	mg/kg	J	RI

Sample ID: DU09-S011-00-01 **Collected:** 6/16/2017 10:50:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.0900	J	0.0485	LOD	0.194	LOQ	mg/kg	J	RI

Sample ID: DU09-S012-00-01 **Collected:** 6/16/2017 12:50:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0362	J	0.0989	LOD	0.198	LOQ	mg/kg	J	RI
SELENIUM	0.120	J	0.198	LOD	0.791	LOQ	mg/kg	J	RI
SODIUM	74.9	J	19.8	LOD	79.1	LOQ	mg/kg	J	RI

Sample ID: DU09-S012-00-01 **Collected:** 6/16/2017 12:50:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.0977	J	0.0494	LOD	0.198	LOQ	mg/kg	J	RI

Sample ID: DU09-S013-00-01 **Collected:** 6/16/2017 11:20:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0518	J	0.0945	LOD	0.189	LOQ	mg/kg	J	RI
SELENIUM	0.238	J	0.189	LOD	0.756	LOQ	mg/kg	J	RI
SODIUM	66.1	J	18.9	LOD	75.6	LOQ	mg/kg	J	RI

Sample ID: DU09-S013-00-01 **Collected:** 6/16/2017 11:20:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.0911	J	0.0473	LOD	0.189	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP44 **Laboratory: LLL**

EDD Filename: APP44-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU09-S014-00-01 **Collected:** 6/16/2017 11:10:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.178	J	0.0261	LOD	0.209	LOQ	mg/kg	J	Rl
CADMIUM	0.0391	J	0.105	LOD	0.209	LOQ	mg/kg	J	Rl, Fd
SELENIUM	0.154	J	0.209	LOD	0.836	LOQ	mg/kg	J	Rl
SODIUM	71.6	J	20.9	LOD	83.6	LOQ	mg/kg	J	Rl

Sample ID: DU09-S014-00-01 **Collected:** 6/16/2017 11:10:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.0887	J	0.0523	LOD	0.209	LOQ	mg/kg	J	Rl

Sample ID: DU09-S014-00-01D **Collected:** 6/16/2017 11:10:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0910	U	0.0910	LOD	0.182	LOQ	mg/kg	UJ	Fd
SELENIUM	0.127	J	0.182	LOD	0.728	LOQ	mg/kg	J	Rl
SODIUM	67.5	J	18.2	LOD	72.8	LOQ	mg/kg	J	Rl

Sample ID: DU09-S014-00-01D **Collected:** 6/16/2017 11:10:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.0916	J	0.0455	LOD	0.182	LOQ	mg/kg	J	Rl

Sample ID: DU09-S015-00-01 **Collected:** 6/16/2017 10:40:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0348	J	0.0977	LOD	0.195	LOQ	mg/kg	J	Rl
SELENIUM	0.143	J	0.195	LOD	0.781	LOQ	mg/kg	J	Rl

Sample ID: DU09-S015-00-01 **Collected:** 6/16/2017 10:40:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.0985	J	0.0488	LOD	0.195	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP44 **Laboratory: LLL**

EDD Filename: APP44-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix: SOIL**

Sample ID: DU09-S016-00-01 **Collected:** 6/16/2017 10:50:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.467	J	0.226	LOD	0.903	LOQ	mg/kg	J	RI
SODIUM	66.8	J	22.6	LOD	90.3	LOQ	mg/kg	J	RI

Sample ID: DU09-S016-00-01 **Collected:** 6/16/2017 10:50:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.125	J	0.0565	LOD	0.226	LOQ	mg/kg	J	RI

Method Category: METALS

Method: 7471B **Matrix: SOIL**

Sample ID: DU09-S001-00-01 **Collected:** 6/16/2017 12:20:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.113	J	0.0221	LOD	0.132	LOQ	mg/kg	J	RI

Sample ID: DU09-S002-00-01 **Collected:** 6/16/2017 12:00:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0279	J	0.0271	LOD	0.162	LOQ	mg/kg	J	RI

Sample ID: DU09-S003-00-01 **Collected:** 6/16/2017 12:10:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0778	J	0.0187	LOD	0.112	LOQ	mg/kg	J	RI

Sample ID: DU09-S003-00-01D **Collected:** 6/16/2017 12:10:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0846	J	0.0194	LOD	0.116	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP44 **Laboratory: LLL**

EDD Filename: APP44-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7471B **Matrix: SOIL**

Sample ID: DU09-S004-00-01 **Collected:** 6/16/2017 11:50:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0404	J	0.0181	LOD	0.109	LOQ	mg/kg	J	RI

Sample ID: DU09-S005-00-01 **Collected:** 6/16/2017 12:30:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0579	J	0.0200	LOD	0.120	LOQ	mg/kg	J	RI

Sample ID: DU09-S006-00-01 **Collected:** 6/16/2017 12:40:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0661	J	0.0192	LOD	0.115	LOQ	mg/kg	J	RI

Sample ID: DU09-S007-00-01 **Collected:** 6/16/2017 1:00:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0316	J	0.0169	LOD	0.102	LOQ	mg/kg	J	RI

Sample ID: DU09-S008-00-01 **Collected:** 6/16/2017 11:40:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0265	J	0.0178	LOD	0.107	LOQ	mg/kg	J	RI

Sample ID: DU09-S008-00-01D **Collected:** 6/16/2017 11:40:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0274	J	0.0169	LOD	0.101	LOQ	mg/kg	J	RI

Sample ID: DU09-S009-00-01 **Collected:** 6/16/2017 11:30:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0443	J	0.0184	LOD	0.110	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP44 **Laboratory: LLL**

EDD Filename: APP44-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7471B **Matrix:** SOIL

Sample ID: DU09-S010-00-01 **Collected:** 6/16/2017 11:00:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0199	J	0.0176	LOD	0.105	LOQ	mg/kg	J	RI

Sample ID: DU09-S011-00-01 **Collected:** 6/16/2017 10:50:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0298	J	0.0177	LOD	0.106	LOQ	mg/kg	J	RI

Sample ID: DU09-S013-00-01 **Collected:** 6/16/2017 11:20:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0281	J	0.0174	LOD	0.104	LOQ	mg/kg	J	RI

Sample ID: DU09-S014-00-01 **Collected:** 6/16/2017 11:10:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0139	J	0.0172	LOD	0.103	LOQ	mg/kg	J	RI

Sample ID: DU09-S014-00-01D **Collected:** 6/16/2017 11:10:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0112	J	0.0162	LOD	0.0975	LOQ	mg/kg	J	RI

Sample ID: DU09-S016-00-01 **Collected:** 6/16/2017 10:50:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0330	J	0.0203	LOD	0.122	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP44 **Laboratory: LLL**

EDD Filename: APP44-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Reason Code Legend

Reason Code	*Description*
Fd	Field Duplicate Precision
Ld	Laboratory Duplicate Precision
Ms	Matrix Spike Lower Estimation
Ms	Matrix Spike Precision
Ms	Matrix Spike Upper Estimation
Rl	Reporting Limit Trace Value

* denotes a non-reportable result

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP44 **Laboratory: LLL**

EDD Filename: APP44-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**
Matrix: **SOIL**

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
DU09-S001-00-01MS (Wet) DU09-S001-00-01MSD (Wet) (DU09-S001-00-01)	ALUMINUM CHROMIUM COPPER IRON LEAD MAGNESIUM MANGANESE VANADIUM	303 - - 46 - - 13 -	1537 169 160 2584 460 283 -444 211	78.00-124.00 83.00-119.00 84.00-119.00 81.00-124.00 84.00-118.00 80.00-123.00 85.00-116.00 82.00-116.00	29 (20.00) 25 (20.00) 24 (20.00) 28 (20.00) 32 (20.00) 25 (20.00) 21 (20.00) 25 (20.00)	ALUMINUM CHROMIUM COPPER IRON LEAD MAGNESIUM MANGANESE VANADIUM	J (all detects) UJ (all non-detects)
DU09-S001-00-01MS (Wet) DU09-S001-00-01MSD (Wet) (DU09-S001-00-01)	ANTIMONY CALCIUM	61 -	- 70	72.00-124.00 86.00-118.00	- -	ANTIMONY CALCIUM	J-(all detects) UJ(all non-detects)
DU09-S001-00-01MS (Wet) DU09-S001-00-01MSD (Wet) (DU09-S001-00-01)	ARSENIC BARIUM NICKEL ZINC	- 134 - 179	157 182 135 200	82.00-118.00 86.00-116.00 84.00-119.00 82.00-119.00	- - - -	ARSENIC BARIUM NICKEL ZINC	J+(all detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: APP44 **Laboratory: LLL**

EDD Filename: APP44-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SOIL

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU09-S008-00-01 (Dry)	DU09-S008-00-01D (Dry)			
ALUMINUM	6650	7420	11	30.00	No Qualifiers Applied
ARSENIC	2.54	2.89	13	30.00	
BARIUM	18.2	20.7	13	30.00	
BERYLLIUM	0.243	0.269	10	30.00	
CALCIUM	482	498	3	30.00	
CHROMIUM	8.76	9.80	11	30.00	
COBALT	2.35	2.47	5	30.00	
COPPER	6.90	7.88	13	30.00	
LEAD	10.5	12.3	16	30.00	
MAGNESIUM	1310	1380	5	30.00	
MANGANESE	133	144	8	30.00	
NICKEL	4.65	5.26	12	30.00	
POTASSIUM	661	692	5	30.00	
SELENIUM	0.209	0.246	16	30.00	
SODIUM	84.5	99.9	17	30.00	
THALLIUM	0.106	0.0996	6	30.00	
VANADIUM	16.4	18.7	13	30.00	
ZINC	15.9	18.3	14	30.00	
ANTIMONY	0.107	0.385 U	200	30.00	J(all detects) UJ(all non-detects)
CADMIUM	0.160 U	0.0341	200	30.00	
IRON	8740	13900	46	30.00	

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU09-S014-00-01 (Dry)	DU09-S014-00-01D (Dry)			
ALUMINUM	4980	5080	2	30.00	No Qualifiers Applied
ARSENIC	1.97	1.85	6	30.00	
BARIUM	16.4	17.3	5	30.00	
BERYLLIUM	0.178	0.184	3	30.00	
CALCIUM	473	405	15	30.00	
CHROMIUM	6.47	6.89	6	30.00	
COBALT	1.78	1.85	4	30.00	
COPPER	4.81	4.73	2	30.00	
IRON	7230	7710	6	30.00	
LEAD	5.64	5.33	6	30.00	
MAGNESIUM	1010	1080	7	30.00	
MANGANESE	85.2	83.8	2	30.00	
NICKEL	3.82	3.78	1	30.00	
POTASSIUM	708	648	9	30.00	
SELENIUM	0.154	0.127	19	30.00	
SODIUM	71.6	67.5	6	30.00	
THALLIUM	0.0887	0.0916	3	30.00	
VANADIUM	12.3	13.2	7	30.00	
ZINC	12.4	12.1	2	30.00	
CADMIUM	0.0391	0.182 U	200	30.00	J(all detects) UJ(all non-detects)

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU09-S003-00-01 (Dry)	DU09-S003-00-01D (Dry)			

Field Duplicate RPD Report

Lab Reporting Batch ID: APP44 **Laboratory: LLL**

EDD Filename: APP44-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SOIL

ALUMINUM	8290	8170	1	30.00	
ANTIMONY	0.107	0.106	1	30.00	
ARSENIC	2.82	2.90	3	30.00	
BARIUM	15.0	13.8	8	30.00	
BERYLLIUM	0.251	0.230	9	30.00	
CADMIUM	0.0400	0.0470	16	30.00	
CALCIUM	498	522	5	30.00	
CHROMIUM	11.5	11.5	0	30.00	
COBALT	2.00	1.86	7	30.00	
COPPER	6.63	6.16	7	30.00	
IRON	9730	9080	7	30.00	No Qualifiers Applied
LEAD	15.8	15.4	3	30.00	
MAGNESIUM	1280	1110	14	30.00	
MANGANESE	81.3	75.2	8	30.00	
NICKEL	4.96	4.70	5	30.00	
POTASSIUM	427	423	1	30.00	
SELENIUM	0.382	0.383	0	30.00	
SILVER	0.0466	0.0502	7	30.00	
SODIUM	80.5	81.3	1	30.00	
THALLIUM	0.0791	0.0830	5	30.00	
VANADIUM	22.0	20.7	6	30.00	
ZINC	14.9	13.8	8	30.00	

Method: 7471B
Matrix: SOIL

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU09-S008-00-01 (Dry)	DU09-S008-00-01D (Dry)			
MERCURY	0.0265	0.0274	3	30.00	No Qualifiers Applied

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU09-S014-00-01 (Dry)	DU09-S014-00-01D (Dry)			
MERCURY	0.0139	0.0112	22	30.00	No Qualifiers Applied

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU09-S003-00-01 (Dry)	DU09-S003-00-01D (Dry)			
MERCURY	0.0778	0.0846	8	30.00	No Qualifiers Applied

Reporting Limit Outliers

Lab Reporting Batch ID: APP44 **Laboratory: LLL**

EDD Filename: APP44-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU09-S001-00-01	ANTIMONY	J	0.244	0.506	LOQ	mg/kg	
	CADMIUM	J	0.0984	0.253	LOQ	mg/kg	
	SELENIUM	J	0.532	1.01	LOQ	mg/kg	J (all detects)
	SILVER	J	0.0584	0.253	LOQ	mg/kg	
	THALLIUM	J	0.184	0.253	LOQ	mg/kg	
DU09-S002-00-01	BERYLLIUM	J	0.118	0.290	LOQ	mg/kg	
	SELENIUM	J	0.211	1.16	LOQ	mg/kg	J (all detects)
	SODIUM	J	95.6	116	LOQ	mg/kg	
	THALLIUM	J	0.0585	0.290	LOQ	mg/kg	
DU09-S003-00-01	ANTIMONY	J	0.107	0.377	LOQ	mg/kg	
	CADMIUM	J	0.0400	0.189	LOQ	mg/kg	
	SELENIUM	J	0.382	0.755	LOQ	mg/kg	J (all detects)
	SILVER	J	0.0466	0.189	LOQ	mg/kg	
	THALLIUM	J	0.0791	0.189	LOQ	mg/kg	
DU09-S003-00-01D	ANTIMONY	J	0.106	0.403	LOQ	mg/kg	
	CADMIUM	J	0.0470	0.202	LOQ	mg/kg	
	SELENIUM	J	0.383	0.806	LOQ	mg/kg	J (all detects)
	SILVER	J	0.0502	0.202	LOQ	mg/kg	
	THALLIUM	J	0.0830	0.202	LOQ	mg/kg	
DU09-S004-00-01	ANTIMONY	J	0.134	0.375	LOQ	mg/kg	
	BERYLLIUM	J	0.109	0.187	LOQ	mg/kg	
	SELENIUM	J	0.203	0.749	LOQ	mg/kg	J (all detects)
	SILVER	J	0.0343	0.187	LOQ	mg/kg	
	THALLIUM	J	0.0529	0.187	LOQ	mg/kg	
DU09-S005-00-01	ANTIMONY	J	0.268	0.435	LOQ	mg/kg	
	CADMIUM	J	0.0934	0.218	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.365	0.871	LOQ	mg/kg	
	THALLIUM	J	0.189	0.218	LOQ	mg/kg	
DU09-S006-00-01	ANTIMONY	J	0.195	0.485	LOQ	mg/kg	
	CADMIUM	J	0.0575	0.242	LOQ	mg/kg	
	SELENIUM	J	0.356	0.970	LOQ	mg/kg	J (all detects)
	SILVER	J	0.0388	0.242	LOQ	mg/kg	
	THALLIUM	J	0.126	0.242	LOQ	mg/kg	
DU09-S007-00-01	CADMIUM	J	0.0452	0.195	LOQ	mg/kg	
	SELENIUM	J	0.257	0.780	LOQ	mg/kg	J (all detects)
	SILVER	J	0.0339	0.195	LOQ	mg/kg	
	THALLIUM	J	0.0613	0.195	LOQ	mg/kg	
DU09-S008-00-01	ANTIMONY	J	0.107	0.320	LOQ	mg/kg	
	SELENIUM	J	0.209	0.640	LOQ	mg/kg	J (all detects)
	THALLIUM	J	0.106	0.160	LOQ	mg/kg	
DU09-S008-00-01D	CADMIUM	J	0.0341	0.193	LOQ	mg/kg	
	SELENIUM	J	0.246	0.770	LOQ	mg/kg	J (all detects)
	THALLIUM	J	0.0996	0.193	LOQ	mg/kg	
DU09-S009-00-01	ANTIMONY	J	0.137	0.387	LOQ	mg/kg	
	CADMIUM	J	0.0519	0.194	LOQ	mg/kg	
	SELENIUM	J	0.242	0.774	LOQ	mg/kg	J (all detects)
	SILVER	J	0.0337	0.194	LOQ	mg/kg	
	SODIUM	J	68.0	77.4	LOQ	mg/kg	
	THALLIUM	J	0.0746	0.194	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP44 **Laboratory: LLL**

EDD Filename: APP44-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU09-S010-00-01	ANTIMONY	J	0.0923	0.383	LOQ	mg/kg	
	BERYLLIUM	J	0.131	0.191	LOQ	mg/kg	
	SELENIUM	J	0.129	0.766	LOQ	mg/kg	J (all detects)
	SODIUM	J	75.5	76.6	LOQ	mg/kg	
	THALLIUM	J	0.0576	0.191	LOQ	mg/kg	
DU09-S011-00-01	CADMIUM	J	0.0490	0.194	LOQ	mg/kg	
	SELENIUM	J	0.157	0.775	LOQ	mg/kg	J (all detects)
	SILVER	J	0.0421	0.194	LOQ	mg/kg	
	THALLIUM	J	0.0900	0.194	LOQ	mg/kg	
DU09-S012-00-01	CADMIUM	J	0.0362	0.198	LOQ	mg/kg	
	SELENIUM	J	0.120	0.791	LOQ	mg/kg	J (all detects)
	SODIUM	J	74.9	79.1	LOQ	mg/kg	
	THALLIUM	J	0.0977	0.198	LOQ	mg/kg	
DU09-S013-00-01	CADMIUM	J	0.0518	0.189	LOQ	mg/kg	
	SELENIUM	J	0.238	0.756	LOQ	mg/kg	J (all detects)
	SODIUM	J	66.1	75.6	LOQ	mg/kg	
	THALLIUM	J	0.0911	0.189	LOQ	mg/kg	
DU09-S014-00-01	BERYLLIUM	J	0.178	0.209	LOQ	mg/kg	
	CADMIUM	J	0.0391	0.209	LOQ	mg/kg	
	SELENIUM	J	0.154	0.836	LOQ	mg/kg	J (all detects)
	SODIUM	J	71.6	83.6	LOQ	mg/kg	
	THALLIUM	J	0.0887	0.209	LOQ	mg/kg	
DU09-S014-00-01D	SELENIUM	J	0.127	0.728	LOQ	mg/kg	
	SODIUM	J	67.5	72.8	LOQ	mg/kg	J (all detects)
	THALLIUM	J	0.0916	0.182	LOQ	mg/kg	
DU09-S015-00-01	CADMIUM	J	0.0348	0.195	LOQ	mg/kg	
	SELENIUM	J	0.143	0.781	LOQ	mg/kg	J (all detects)
	THALLIUM	J	0.0985	0.195	LOQ	mg/kg	
DU09-S016-00-01	SELENIUM	J	0.467	0.903	LOQ	mg/kg	
	SODIUM	J	66.8	90.3	LOQ	mg/kg	J (all detects)
	THALLIUM	J	0.125	0.226	LOQ	mg/kg	

Method: 7471B

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU09-S001-00-01	MERCURY	J	0.113	0.132	LOQ	mg/kg	J (all detects)
DU09-S002-00-01	MERCURY	J	0.0279	0.162	LOQ	mg/kg	J (all detects)
DU09-S003-00-01	MERCURY	J	0.0778	0.112	LOQ	mg/kg	J (all detects)
DU09-S003-00-01D	MERCURY	J	0.0846	0.116	LOQ	mg/kg	J (all detects)
DU09-S004-00-01	MERCURY	J	0.0404	0.109	LOQ	mg/kg	J (all detects)
DU09-S005-00-01	MERCURY	J	0.0579	0.120	LOQ	mg/kg	J (all detects)
DU09-S006-00-01	MERCURY	J	0.0661	0.115	LOQ	mg/kg	J (all detects)
DU09-S007-00-01	MERCURY	J	0.0316	0.102	LOQ	mg/kg	J (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP44 **Laboratory: LLL**

EDD Filename: APP44-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **7471B**

Matrix: **SOIL**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
DU09-S008-00-01	MERCURY	J	0.0265	0.107	LOQ	mg/kg	J (all detects)
DU09-S008-00-01D	MERCURY	J	0.0274	0.101	LOQ	mg/kg	J (all detects)
DU09-S009-00-01	MERCURY	J	0.0443	0.110	LOQ	mg/kg	J (all detects)
DU09-S010-00-01	MERCURY	J	0.0199	0.105	LOQ	mg/kg	J (all detects)
DU09-S011-00-01	MERCURY	J	0.0298	0.106	LOQ	mg/kg	J (all detects)
DU09-S013-00-01	MERCURY	J	0.0281	0.104	LOQ	mg/kg	J (all detects)
DU09-S014-00-01	MERCURY	J	0.0139	0.103	LOQ	mg/kg	J (all detects)
DU09-S014-00-01D	MERCURY	J	0.0112	0.0975	LOQ	mg/kg	J (all detects)
DU09-S016-00-01	MERCURY	J	0.0330	0.122	LOQ	mg/kg	J (all detects)

Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page	1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.		
Laboratory SDG:	APP45		
Date(s) of Collection:	June 16th, 2017		
Number/Type Samples & Analyses:	16 soil samples and 1 duplicate for a project-specific list of hexavalent chromium and metals		
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA		
Completed:	November 19th, 2017		

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for soil data included in Sample Delivery Group (SDG) APP45. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017.

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✓ Holding times and sample preservation

✓ Laboratory method blank data

✓ Field rinsate blank data

NA Trip blank data

✓ Laboratory control sample (LCS) recoveries

✗ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✓ Surrogate recoveries

✗ Laboratory duplicate results

✗ Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of “J” data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

This data package was revised 11/9/2017 due to the Eurofins SW6020A metals data breach. The majority of the data changes were made to Quality Control (QC) and/or calibration checks, not to actual sample results. The few field sample result changes were due to the originally reported result exceeding the linear calibration range of the instrument; those results were changed to be slightly lower than the upper limit of the calibration range.

In this package, the initial calibration verification percent recovery for calcium was slightly below QC specification and the continuing calibration verification percent recovery for calcium was slightly above the QC specification.

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP45 **Laboratory: LLL**

EDD Filename: APP45-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Validation Area	*Note*
Technical Holding Times	A
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	A
Surrogate/Tracer Spikes	N
Matrix Spike/Matrix Spike Duplicates	SR
Laboratory Duplicates	SR
Laboratory Replicates	N
Laboratory Control Samples	A
Compound Quantitation	SR
Field Duplicates	SR
Field Triplicates	N
Field Blanks	A

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP45 **Laboratory: LLL**

EDD Filename: APP45-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SOIL**

Sample ID: **DU02-S001-00-01** ***Collected:*** **6/16/2017 12:10:00 PM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.665	J	0.174	LOD	1.39	LOQ	mg/kg	J	Rl
SELENIUM	1.65	J	1.39	LOD	5.56	LOQ	mg/kg	J	Rl
LEAD	29.2		0.347	LOD	2.78	LOQ	mg/kg	J-	Ms

Sample ID: **DU02-S001-00-01** ***Collected:*** **6/16/2017 12:10:00 PM** ***Analysis Type:*** **Reanalysis-01** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	7330		69.5	LOD	278	LOQ	mg/kg	J+	Ms
ANTIMONY	1.39	U	1.39	LOD	2.78	LOQ	mg/kg	UJ	Ms
ARSENIC	2.65	J	2.78	LOD	5.56	LOQ	mg/kg	J	Rl
BARIUM	114		2.78	LOD	5.56	LOQ	mg/kg	J+	Ms
CADMIUM	1.73		0.695	LOD	1.39	LOQ	mg/kg	J	Ms, Ld
COPPER	22.8		1.39	LOD	5.56	LOQ	mg/kg	J	Ld
IRON	7560		139	LOD	278	LOQ	mg/kg	J-	Ms
MANGANESE	54.0		1.39	LOD	5.56	LOQ	mg/kg	J	Ms, Ld
ZINC	132		20.8	LOD	41.7	LOQ	mg/kg	J+	Ms

Sample ID: **DU02-S002-00-01** ***Collected:*** **6/16/2017 11:15:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.573	J	0.312	LOD	1.25	LOQ	mg/kg	J	Rl

Sample ID: **DU02-S003-00-01** ***Collected:*** **6/16/2017 10:45:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.523	J	0.243	LOD	0.973	LOQ	mg/kg	J	Rl
SILVER	0.0375	J	0.0608	LOD	0.243	LOQ	mg/kg	J	Rl

Sample ID: **DU02-S003-00-01** ***Collected:*** **6/16/2017 10:45:00 AM** ***Analysis Type:*** **Reanalysis-01** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.165	J	0.243	LOD	0.487	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP45 **Laboratory: LLL**

EDD Filename: APP45-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU02-S004-00-01 **Collected:** 6/16/2017 10:00:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.125	J	0.191	LOD	0.382	LOQ	mg/kg	J	RI
SELENIUM	0.269	J	0.191	LOD	0.764	LOQ	mg/kg	J	RI
THALLIUM	0.159	J	0.0478	LOD	0.191	LOQ	mg/kg	J	RI

Sample ID: DU02-S005-00-01 **Collected:** 6/16/2017 12:15:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.824	J	1.21	LOD	2.41	LOQ	mg/kg	J	RI
ARSENIC	2.53	J	2.41	LOD	4.82	LOQ	mg/kg	J	RI
BERYLLIUM	1.09	J	0.151	LOD	1.21	LOQ	mg/kg	J	RI
SELENIUM	1.59	J	1.21	LOD	4.82	LOQ	mg/kg	J	RI
THALLIUM	0.272	J	0.301	LOD	1.21	LOQ	mg/kg	J	RI

Sample ID: DU02-S006-00-01 **Collected:** 6/16/2017 11:20:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.576	J	0.814	LOD	1.63	LOQ	mg/kg	J	RI
BERYLLIUM	0.770	J	0.102	LOD	0.814	LOQ	mg/kg	J	RI
SELENIUM	1.51	J	0.814	LOD	3.26	LOQ	mg/kg	J	RI
SODIUM	325	J	81.4	LOD	326	LOQ	mg/kg	J	RI
THALLIUM	0.150	J	0.204	LOD	0.814	LOQ	mg/kg	J	RI

Sample ID: DU02-S007-00-01 **Collected:** 6/16/2017 10:50:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.437	J	0.260	LOD	1.04	LOQ	mg/kg	J	RI
SILVER	0.0471	J	0.0651	LOD	0.260	LOQ	mg/kg	J	RI

Sample ID: DU02-S008-00-01 **Collected:** 6/16/2017 10:05:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.209	J	0.196	LOD	0.782	LOQ	mg/kg	J	RI
THALLIUM	0.148	J	0.0489	LOD	0.196	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP45 **Laboratory: LLL**

EDD Filename: APP45-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU02-S008-00-01 **Collected:** 6/16/2017 10:05:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0798	J	0.0978	LOD	0.196	LOQ	mg/kg	J	RI

Sample ID: DU02-S009-00-01 **Collected:** 6/16/2017 12:20:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.772	J	1.03	LOD	2.06	LOQ	mg/kg	J	RI
ARSENIC	2.06	J	2.06	LOD	4.12	LOQ	mg/kg	J	RI
BERYLLIUM	0.559	J	0.129	LOD	1.03	LOQ	mg/kg	J	RI
CHROMIUM	3.97	J	2.06	LOD	4.12	LOQ	mg/kg	J	RI
SELENIUM	1.69	J	1.03	LOD	4.12	LOQ	mg/kg	J	RI

Sample ID: DU02-S009-00-01 **Collected:** 6/16/2017 12:20:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.519	J	0.515	LOD	1.03	LOQ	mg/kg	J	RI

Sample ID: DU02-S010-00-01 **Collected:** 6/16/2017 11:25:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	2.71	J	0.709	LOD	2.83	LOQ	mg/kg	J	RI
THALLIUM	0.198	J	0.177	LOD	0.709	LOQ	mg/kg	J	RI

Sample ID: DU02-S010-00-01 **Collected:** 6/16/2017 11:25:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.353	J	0.354	LOD	0.709	LOQ	mg/kg	J	RI

Sample ID: DU02-S011-00-01 **Collected:** 6/16/2017 10:55:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	8530		16.9	LOD	67.7	LOQ	mg/kg	J	Fd
BERYLLIUM	0.833		0.0423	LOD	0.338	LOQ	mg/kg	J	Fd
CHROMIUM	7.26		0.677	LOD	1.35	LOQ	mg/kg	J	Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP45 **Laboratory: LLL**

EDD Filename: APP45-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU02-S011-00-01 **Collected:** 6/16/2017 10:55:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	5.98		0.338	LOD	1.35	LOQ	mg/kg	J	Fd
NICKEL	3.66		0.338	LOD	1.35	LOQ	mg/kg	J	Fd
SELENIUM	1.12	J	0.338	LOD	1.35	LOQ	mg/kg	J	Rl
SILVER	0.0535	J	0.0846	LOD	0.338	LOQ	mg/kg	J	Rl, Fd
SODIUM	115	J	33.8	LOD	135	LOQ	mg/kg	J	Rl
THALLIUM	0.0562	J	0.0846	LOD	0.338	LOQ	mg/kg	J	Rl, Fd
VANADIUM	8.20		0.169	LOD	0.338	LOQ	mg/kg	J	Fd
ZINC	23.7		5.08	LOD	10.2	LOQ	mg/kg	J	Fd

Sample ID: DU02-S011-00-01 **Collected:** 6/16/2017 10:55:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	27.7		0.677	LOD	1.35	LOQ	mg/kg	J	Fd
CADMIUM	0.0968	J	0.169	LOD	0.338	LOQ	mg/kg	J	Rl, Fd
CALCIUM	263		67.7	LOD	135	LOQ	mg/kg	J	Fd

Sample ID: DU02-S011-00-01D **Collected:** 6/16/2017 10:55:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	13500		14.4	LOD	57.6	LOQ	mg/kg	J	Fd
BERYLLIUM	1.28		0.0360	LOD	0.288	LOQ	mg/kg	J	Fd
CHROMIUM	10.7		0.576	LOD	1.15	LOQ	mg/kg	J	Fd
COPPER	8.50		0.288	LOD	1.15	LOQ	mg/kg	J	Fd
NICKEL	6.43		0.288	LOD	1.15	LOQ	mg/kg	J	Fd
SILVER	0.128	J	0.0720	LOD	0.288	LOQ	mg/kg	J	Rl, Fd
THALLIUM	0.129	J	0.0720	LOD	0.288	LOQ	mg/kg	J	Rl, Fd
VANADIUM	12.4		0.144	LOD	0.288	LOQ	mg/kg	J	Fd
ZINC	34.2		4.32	LOD	8.65	LOQ	mg/kg	J	Fd

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP45 **Laboratory: LLL**

EDD Filename: APP45-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU02-S011-00-01D **Collected:** 6/16/2017 10:55:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	38.5		0.576	LOD	1.15	LOQ	mg/kg	J	Fd
CADMIUM	0.139	J	0.144	LOD	0.288	LOQ	mg/kg	J	Rl, Fd

Sample ID: DU02-S011-00-01D **Collected:** 6/16/2017 10:55:00 AM **Analysis Type:** Reanalysis-02 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	151		57.6	LOD	115	LOQ	mg/kg	J	Fd

Sample ID: DU02-S012-00-01 **Collected:** 6/16/2017 10:10:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.318	J	0.218	LOD	0.873	LOQ	mg/kg	J	Rl
SILVER	0.0347	J	0.0546	LOD	0.218	LOQ	mg/kg	J	Rl
THALLIUM	0.111	J	0.0546	LOD	0.218	LOQ	mg/kg	J	Rl

Sample ID: DU02-S012-00-01 **Collected:** 6/16/2017 10:10:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0681	J	0.109	LOD	0.218	LOQ	mg/kg	J	Rl

Sample ID: DU02-S013-00-01 **Collected:** 6/16/2017 12:25:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.941	J	0.734	LOD	1.47	LOQ	mg/kg	J	Rl
SELENIUM	1.29	J	0.734	LOD	2.94	LOQ	mg/kg	J	Rl
THALLIUM	0.263	J	0.184	LOD	0.734	LOQ	mg/kg	J	Rl

Sample ID: DU02-S014-00-01 **Collected:** 6/16/2017 11:30:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.245	J	0.348	LOD	0.696	LOQ	mg/kg	J	Rl
BERYLLIUM	0.290	J	0.0435	LOD	0.348	LOQ	mg/kg	J	Rl
SELENIUM	0.781	J	0.348	LOD	1.39	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP45 **Laboratory: LLL**

EDD Filename: APP45-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU02-S014-00-01 **Collected:** 6/16/2017 11:30:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SILVER	0.108	J	0.0870	LOD	0.348	LOQ	mg/kg	J	RI
SODIUM	94.0	J	34.8	LOD	139	LOQ	mg/kg	J	RI
THALLIUM	0.116	J	0.0870	LOD	0.348	LOQ	mg/kg	J	RI

Sample ID: DU02-S014-00-01 **Collected:** 6/16/2017 11:30:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.214	J	0.174	LOD	0.348	LOQ	mg/kg	J	RI

Sample ID: DU02-S014-00-01 **Collected:** 6/16/2017 11:30:00 AM **Analysis Type:** Reanalysis-02 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	131	J	69.6	LOD	139	LOQ	mg/kg	J	RI

Sample ID: DU02-S015-00-01 **Collected:** 6/16/2017 11:00:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.350	J	0.252	LOD	0.504	LOQ	mg/kg	J	RI
BERYLLIUM	0.0683	J	0.0315	LOD	0.252	LOQ	mg/kg	J	RI
SELENIUM	0.454	J	0.252	LOD	1.01	LOQ	mg/kg	J	RI
SILVER	0.0987	J	0.0630	LOD	0.252	LOQ	mg/kg	J	RI
SODIUM	96.6	J	25.2	LOD	101	LOQ	mg/kg	J	RI
THALLIUM	0.0640	J	0.0630	LOD	0.252	LOQ	mg/kg	J	RI

Sample ID: DU02-S015-00-01 **Collected:** 6/16/2017 11:00:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0564	J	0.126	LOD	0.252	LOQ	mg/kg	J	RI

Sample ID: DU02-S016-00-01 **Collected:** 6/16/2017 10:15:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.138	J	0.149	LOD	0.597	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP45 **Laboratory: LLL**

EDD Filename: APP45-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix: SOIL**

Sample ID: DU02-S016-00-01 **Collected:** 6/16/2017 10:15:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	56.4	J	14.9	LOD	59.7	LOQ	mg/kg	J	RI
THALLIUM	0.0767	J	0.0373	LOD	0.149	LOQ	mg/kg	J	RI

Sample ID: DU02-S016-00-01 **Collected:** 6/16/2017 10:15:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0292	J	0.0746	LOD	0.149	LOQ	mg/kg	J	RI

Method Category: METALS

Method: 7471B **Matrix: SOIL**

Sample ID: DU02-S001-00-01 **Collected:** 6/16/2017 12:10:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.240	J	0.139	LOD	0.834	LOQ	mg/kg	J	RI

Sample ID: DU02-S002-00-01 **Collected:** 6/16/2017 11:15:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0539	J	0.0294	LOD	0.177	LOQ	mg/kg	J	RI

Sample ID: DU02-S003-00-01 **Collected:** 6/16/2017 10:45:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0547	J	0.0279	LOD	0.168	LOQ	mg/kg	J	RI

Sample ID: DU02-S004-00-01 **Collected:** 6/16/2017 10:00:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0175	J	0.0210	LOD	0.126	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP45 **Laboratory: LLL**

EDD Filename: APP45-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7471B **Matrix:** SOIL

Sample ID: DU02-S005-00-01 **Collected:** 6/16/2017 12:15:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.253	J	0.117	LOD	0.700	LOQ	mg/kg	J	RI

Sample ID: DU02-S006-00-01 **Collected:** 6/16/2017 11:20:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.214	J	0.0814	LOD	0.488	LOQ	mg/kg	J	RI

Sample ID: DU02-S007-00-01 **Collected:** 6/16/2017 10:50:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0541	J	0.0260	LOD	0.156	LOQ	mg/kg	J	RI

Sample ID: DU02-S008-00-01 **Collected:** 6/16/2017 10:05:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0170	J	0.0196	LOD	0.117	LOQ	mg/kg	J	RI

Sample ID: DU02-S009-00-01 **Collected:** 6/16/2017 12:20:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.215	J	0.0937	LOD	0.562	LOQ	mg/kg	J	RI

Sample ID: DU02-S010-00-01 **Collected:** 6/16/2017 11:25:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.159	J	0.0651	LOD	0.390	LOQ	mg/kg	J	RI

Sample ID: DU02-S011-00-01 **Collected:** 6/16/2017 10:55:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0734	J	0.0285	LOD	0.171	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP45 **Laboratory: LLL**

EDD Filename: APP45-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **7471B** ***Matrix:*** **SOIL**

Sample ID: **DU02-S011-00-01D** ***Collected:*** **6/16/2017 10:55:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0770	J	0.0300	LOD	0.180	LOQ	mg/kg	J	RI

Sample ID: **DU02-S012-00-01** ***Collected:*** **6/16/2017 10:10:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0202	J	0.0183	LOD	0.110	LOQ	mg/kg	J	RI

Sample ID: **DU02-S013-00-01** ***Collected:*** **6/16/2017 12:25:00 PM** ***Analysis Type:*** **Initial** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.201	J	0.0711	LOD	0.426	LOQ	mg/kg	J	RI

Sample ID: **DU02-S014-00-01** ***Collected:*** **6/16/2017 11:30:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.166	J	0.0291	LOD	0.175	LOQ	mg/kg	J	RI

Sample ID: **DU02-S015-00-01** ***Collected:*** **6/16/2017 11:00:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0912	J	0.0221	LOD	0.133	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP45 **Laboratory: LLL**

EDD Filename: APP45-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Reason Code Legend

Reason Code	*Description*
Fd	Field Duplicate Precision
Ld	Laboratory Duplicate Precision
Ms	Matrix Spike Lower Estimation
Ms	Matrix Spike Precision
Ms	Matrix Spike Upper Estimation
Rl	Reporting Limit Trace Value

* denotes a non-reportable result

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP45 **Laboratory: LLL**

EDD Filename: APP45-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**
Matrix: **SOIL**

QC Sample ID (Associated Samples)	*Compound*	*MS %R*	*MSD %R*	*%R Limits*	*RPD (Limits)*	*Affected Compounds*	*Flag*
DU02-S001-00-01MSD (Wet) (DU02-S001-00-01)	ANTIMONY	-	-	72.00-124.00	22 (20.00)	ANTIMONY	J (all detects) UJ (all non-detects)
DU02-S001-00-01MS (Wet) DU02-S001-00-01MSD (Wet) (DU02-S001-00-01)	CADMIUM IRON LEAD MANGANESE	- 57 - 73	79 - 66 -	84.00-116.00 81.00-124.00 84.00-118.00 85.00-116.00	- - - -	CADMIUM IRON LEAD MANGANESE	J-(all detects) UJ(all non-detects)
DU02-S001-00-01MS (Wet) DU02-S001-00-01MSD (Wet) (DU02-S001-00-01)	ALUMINUM BARIUM ZINC	144 - 199	169 121 199	78.00-124.00 86.00-116.00 82.00-119.00	- - -	ALUMINUM BARIUM ZINC	J+(all detects)

Lab Duplicate Outlier Report

Lab Reporting Batch ID: APP45 **Laboratory: LLL**

EDD Filename: APP45-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SOIL

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
DU02-S001-00-01DUP (Wet) (DU02-S001-00-01)	CADMIUM	59	20.00	J (all detects) UJ (all non-detects)
	COPPER	36	20.00	
	MANGANESE	24	20.00	

Field Duplicate RPD Report

Lab Reporting Batch ID: APP45 **Laboratory: LLL**

EDD Filename: APP45-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SOIL

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU02-S011-00-01 (Dry)	DU02-S011-00-01D (Dry)			
ARSENIC	1.92	2.44	24	30.00	
COBALT	0.774	0.961	22	30.00	
IRON	2940	3770	25	30.00	
LEAD	13.5	15.0	11	30.00	
MAGNESIUM	594	776	27	30.00	No Qualifiers Applied
MANGANESE	18.6	24.7	28	30.00	
POTASSIUM	513	667	26	30.00	
SELENIUM	1.12	1.39	22	30.00	
SODIUM	115	135	16	30.00	
ALUMINUM	8530	13500	45	30.00	
BARIUM	27.7	38.5	33	30.00	
BERYLLIUM	0.833	1.28	42	30.00	
CADMIUM	0.0968	0.139	36	30.00	
CALCIUM	263	151	54	30.00	
CHROMIUM	7.26	10.7	38	30.00	J(all detects)
COPPER	5.98	8.50	35	30.00	UJ(all non-detects)
NICKEL	3.66	6.43	55	30.00	
SILVER	0.0535	0.128	82	30.00	
THALLIUM	0.0562	0.129	79	30.00	
VANADIUM	8.20	12.4	41	30.00	
ZINC	23.7	34.2	36	30.00	

Method: 7471B
Matrix: SOIL

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU02-S011-00-01 (Dry)	DU02-S011-00-01D (Dry)			
MERCURY	0.0734	0.0770	5	30.00	No Qualifiers Applied

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Reporting Limit Outliers

Lab Reporting Batch ID: APP45 **Laboratory: LLL**

EDD Filename: APP45-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**

Matrix: **SOIL**

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU02-S001-00-01	ARSENIC	J	2.65	5.56	LOQ	mg/kg	
	BERYLLIUM	J	0.665	1.39	LOQ	mg/kg	J (all detects)
	SELENIUM	J	1.65	5.56	LOQ	mg/kg	
DU02-S002-00-01	SELENIUM	J	0.573	1.25	LOQ	mg/kg	J (all detects)
DU02-S003-00-01	ANTIMONY	J	0.165	0.487	LOQ	mg/kg	
	SELENIUM	J	0.523	0.973	LOQ	mg/kg	J (all detects)
	SILVER	J	0.0375	0.243	LOQ	mg/kg	
DU02-S004-00-01	ANTIMONY	J	0.125	0.382	LOQ	mg/kg	
	SELENIUM	J	0.269	0.764	LOQ	mg/kg	J (all detects)
	THALLIUM	J	0.159	0.191	LOQ	mg/kg	
DU02-S005-00-01	ANTIMONY	J	0.824	2.41	LOQ	mg/kg	
	ARSENIC	J	2.53	4.82	LOQ	mg/kg	
	BERYLLIUM	J	1.09	1.21	LOQ	mg/kg	J (all detects)
	SELENIUM	J	1.59	4.82	LOQ	mg/kg	
	THALLIUM	J	0.272	1.21	LOQ	mg/kg	
DU02-S006-00-01	ANTIMONY	J	0.576	1.63	LOQ	mg/kg	
	BERYLLIUM	J	0.770	0.814	LOQ	mg/kg	
	SELENIUM	J	1.51	3.26	LOQ	mg/kg	J (all detects)
	SODIUM	J	325	326	LOQ	mg/kg	
	THALLIUM	J	0.150	0.814	LOQ	mg/kg	
DU02-S007-00-01	SELENIUM	J	0.437	1.04	LOQ	mg/kg	J (all detects)
	SILVER	J	0.0471	0.260	LOQ	mg/kg	
DU02-S008-00-01	CADMIUM	J	0.0798	0.196	LOQ	mg/kg	
	SELENIUM	J	0.209	0.782	LOQ	mg/kg	J (all detects)
	THALLIUM	J	0.148	0.196	LOQ	mg/kg	
DU02-S009-00-01	ANTIMONY	J	0.772	2.06	LOQ	mg/kg	
	ARSENIC	J	2.06	4.12	LOQ	mg/kg	
	BERYLLIUM	J	0.559	1.03	LOQ	mg/kg	
	CADMIUM	J	0.519	1.03	LOQ	mg/kg	J (all detects)
	CHROMIUM	J	3.97	4.12	LOQ	mg/kg	
	SELENIUM	J	1.69	4.12	LOQ	mg/kg	
DU02-S010-00-01	CADMIUM	J	0.353	0.709	LOQ	mg/kg	
	SELENIUM	J	2.71	2.83	LOQ	mg/kg	J (all detects)
	THALLIUM	J	0.198	0.709	LOQ	mg/kg	
DU02-S011-00-01	CADMIUM	J	0.0968	0.338	LOQ	mg/kg	
	SELENIUM	J	1.12	1.35	LOQ	mg/kg	
	SILVER	J	0.0535	0.338	LOQ	mg/kg	J (all detects)
	SODIUM	J	115	135	LOQ	mg/kg	
	THALLIUM	J	0.0562	0.338	LOQ	mg/kg	
DU02-S011-00-01D	CADMIUM	J	0.139	0.288	LOQ	mg/kg	
	SILVER	J	0.128	0.288	LOQ	mg/kg	J (all detects)
	THALLIUM	J	0.129	0.288	LOQ	mg/kg	
DU02-S012-00-01	CADMIUM	J	0.0681	0.218	LOQ	mg/kg	
	SELENIUM	J	0.318	0.873	LOQ	mg/kg	J (all detects)
	SILVER	J	0.0347	0.218	LOQ	mg/kg	
	THALLIUM	J	0.111	0.218	LOQ	mg/kg	
DU02-S013-00-01	ANTIMONY	J	0.941	1.47	LOQ	mg/kg	
	SELENIUM	J	1.29	2.94	LOQ	mg/kg	J (all detects)
	THALLIUM	J	0.263	0.734	LOQ	mg/kg	

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Reporting Limit Outliers

Lab Reporting Batch ID: APP45 **Laboratory: LLL**

EDD Filename: APP45-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU02-S014-00-01	ANTIMONY	J	0.245	0.696	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.290	0.348	LOQ	mg/kg	
	CADMIUM	J	0.214	0.348	LOQ	mg/kg	
	CALCIUM	J	131	139	LOQ	mg/kg	
	SELENIUM	J	0.781	1.39	LOQ	mg/kg	
	SILVER	J	0.108	0.348	LOQ	mg/kg	
	SODIUM	J	94.0	139	LOQ	mg/kg	
	THALLIUM	J	0.116	0.348	LOQ	mg/kg	
DU02-S015-00-01	ANTIMONY	J	0.350	0.504	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.0683	0.252	LOQ	mg/kg	
	CADMIUM	J	0.0564	0.252	LOQ	mg/kg	
	SELENIUM	J	0.454	1.01	LOQ	mg/kg	
	SILVER	J	0.0987	0.252	LOQ	mg/kg	
	SODIUM	J	96.6	101	LOQ	mg/kg	
	THALLIUM	J	0.0640	0.252	LOQ	mg/kg	
DU02-S016-00-01	CADMIUM	J	0.0292	0.149	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.138	0.597	LOQ	mg/kg	
	SODIUM	J	56.4	59.7	LOQ	mg/kg	
	THALLIUM	J	0.0767	0.149	LOQ	mg/kg	

Method: 7471B

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU02-S001-00-01	MERCURY	J	0.240	0.834	LOQ	mg/kg	J (all detects)
DU02-S002-00-01	MERCURY	J	0.0539	0.177	LOQ	mg/kg	J (all detects)
DU02-S003-00-01	MERCURY	J	0.0547	0.168	LOQ	mg/kg	J (all detects)
DU02-S004-00-01	MERCURY	J	0.0175	0.126	LOQ	mg/kg	J (all detects)
DU02-S005-00-01	MERCURY	J	0.253	0.700	LOQ	mg/kg	J (all detects)
DU02-S006-00-01	MERCURY	J	0.214	0.488	LOQ	mg/kg	J (all detects)
DU02-S007-00-01	MERCURY	J	0.0541	0.156	LOQ	mg/kg	J (all detects)
DU02-S008-00-01	MERCURY	J	0.0170	0.117	LOQ	mg/kg	J (all detects)
DU02-S009-00-01	MERCURY	J	0.215	0.562	LOQ	mg/kg	J (all detects)
DU02-S010-00-01	MERCURY	J	0.159	0.390	LOQ	mg/kg	J (all detects)
DU02-S011-00-01	MERCURY	J	0.0734	0.171	LOQ	mg/kg	J (all detects)
DU02-S011-00-01D	MERCURY	J	0.0770	0.180	LOQ	mg/kg	J (all detects)
DU02-S012-00-01	MERCURY	J	0.0202	0.110	LOQ	mg/kg	J (all detects)
DU02-S013-00-01	MERCURY	J	0.201	0.426	LOQ	mg/kg	J (all detects)
DU02-S014-00-01	MERCURY	J	0.166	0.175	LOQ	mg/kg	J (all detects)
DU02-S015-00-01	MERCURY	J	0.0912	0.133	LOQ	mg/kg	J (all detects)

Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page	1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.		
Laboratory SDG:	APP46		
Date(s) of Collection:	June 14th – 16th, 2017		
Number/Type Samples & Analyses:	1 trip blank and 6 equipment blanks for a project-specific list of VOCs, SVOCs, PAHs, PCBs, hexavalent chromium, and metals		
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA		
Completed:	November 17th, 2017		

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for FIELDQC data included in Sample Delivery Group (SDG) APP46. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017.

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✓ Holding times and sample preservation

✓ Laboratory method blank data

✓ Field rinsate blank data

✓ Trip blank data

✓ Laboratory control sample (LCS) recoveries

NA Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✗ Surrogate recoveries

✓ Laboratory duplicate results

NA Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of “J” data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

All the equipment samples were run for regular 8270 and 8270 SIM. The final results will be presented in 8270 SIM.

Equipment blanks EB-SO061517-02 and EB-SO061617-02 were analyzed twice for method 8270D and 8270D SIM because of low surrogate recovery. The initial results will be presented as final.

This data package was revised 11/9/2017 due to the Eurofins SW6020A metals data breach. The majority of the data changes were made to Quality Control (QC) and/or calibration checks, not to actual sample results. The few field sample result changes were due to the originally reported result exceeding the linear calibration range of the instrument; those results were changed to be slightly lower than the upper limit of the calibration range.

In this package, analytes antimony, aluminum, and calcium continuing calibration verification percent recoveries were within QC specifications in the original report as well as the corrected package.

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP46 **Laboratory: LLL**

EDD Filename: APP46-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Validation Area	*Note*
Technical Holding Times	SR
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	A
Surrogate/Tracer Spikes	SR
Matrix Spike/Matrix Spike Duplicates	N
Laboratory Duplicates	N
Laboratory Replicates	N
Laboratory Control Samples	A
Compound Quantitation	SR
Field Duplicates	N
Field Triplicates	N
Field Blanks	A

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP46 **Laboratory: LLL**

EDD Filename: APP46-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: GENCHEM

Method: SM 2340B **Matrix: WATER**

Sample ID: EB-SO061417-02 **Collected:** 6/14/2017 12:30:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	230	J	200	LOD	400	LOQ	ug/l	J	RI

Method Category: METALS

Method: 6020A **Matrix: WATER**

Sample ID: EB-SO061417-02 **Collected:** 6/14/2017 12:30:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MAGNESIUM	54.7	J	25.0	LOD	200	LOQ	ug/l	J	RI
VANADIUM	0.23	J	0.50	LOD	1.0	LOQ	ug/l	J	RI

Sample ID: EB-SO061517-02 **Collected:** 6/15/2017 11:30:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	27.1	J	50.0	LOD	200	LOQ	ug/l	J	RI
MAGNESIUM	16.5	J	25.0	LOD	200	LOQ	ug/l	J	RI
MANGANESE	1.1	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
SODIUM	72.5	J	100	LOD	400	LOQ	ug/l	J	RI
VANADIUM	0.23	J	0.50	LOD	1.0	LOQ	ug/l	J	RI

Sample ID: EB-SO061617-01 **Collected:** 6/16/2017 2:10:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MANGANESE	1.0	J	2.0	LOD	4.0	LOQ	ug/l	J	RI
SODIUM	60.0	J	100	LOD	400	LOQ	ug/l	J	RI
VANADIUM	0.29	J	0.50	LOD	1.0	LOQ	ug/l	J	RI
ZINC	6.6	J	7.5	LOD	30.0	LOQ	ug/l	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP46 **Laboratory: LLL**

EDD Filename: APP46-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: EB-SO061417-01 **Collected:** 6/14/2017 12:15:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.15	U	0.15	LOD	0.37	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.15	U	0.15	LOD	0.37	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.15	U	0.15	LOD	0.37	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.15	U	0.15	LOD	0.37	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.15	U	0.15	LOD	0.37	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.15	U	0.15	LOD	0.37	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.15	U	0.15	LOD	0.37	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.15	U	0.15	LOD	0.37	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.15	U	0.15	LOD	0.37	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.15	U	0.15	LOD	0.37	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.15	U	0.15	LOD	0.37	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.15	U	0.15	LOD	0.37	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.15	U	0.15	LOD	0.37	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.15	U	0.15	LOD	0.37	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.15	U	0.15	LOD	0.37	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.30	U	0.30	LOD	0.37	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.15	U	0.15	LOD	0.37	LOQ	ug/l	NP	ProfJudg
PYRENE	0.15	U	0.15	LOD	0.37	LOQ	ug/l	NP	ProfJudg

Sample ID: EB-SO061417-02 **Collected:** 6/14/2017 12:30:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP46 **Laboratory: LLL**

EDD Filename: APP46-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: EB-SO061417-02 **Collected:** 6/14/2017 12:30:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.25	J	0.40	LOD	0.50	LOQ	ug/l	NP	RI, ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

Sample ID: EB-SO061517-01 **Collected:** 6/15/2017 11:45:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.32	J	0.42	LOD	0.53	LOQ	ug/l	NP	RI, ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP46 **Laboratory: LLL**

EDD Filename: APP46-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: EB-SO061517-02 **Collected:** 6/15/2017 11:30:00 AM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.1	U	1.1	LOD	1.1	LOQ	ug/l	UJ	Surr
4-CHLORO-3-METHYLPHENOL	1.1	U	1.1	LOD	1.1	LOQ	ug/l	UJ	Surr
BENZOIC ACID	16	U	16	LOD	16	LOQ	ug/l	UJ	Surr

Sample ID: EB-SO061517-02 **Collected:** 6/15/2017 11:30:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	1.1	U	1.1	LOD	1.1	LOQ	ug/l	UJ	Surr
1-METHYLNAPHTHALENE	0.22	U	0.22	LOD	0.54	LOQ	ug/l	NP	Surr, ProfJudg
2-CHLORONAPHTHALENE	1.1	U	1.1	LOD	1.1	LOQ	ug/l	UJ	Surr
2-METHYLNAPHTHALENE	0.22	U	0.22	LOD	0.54	LOQ	ug/l	NP	Surr, ProfJudg
ACENAPHTHENE	0.22	U	0.22	LOD	0.54	LOQ	ug/l	NP	Surr, ProfJudg
ACENAPHTHYLENE	0.22	U	0.22	LOD	0.54	LOQ	ug/l	NP	Surr, ProfJudg
ANTHRACENE	0.22	U	0.22	LOD	0.54	LOQ	ug/l	NP	Surr, ProfJudg
BENZ(A)ANTHRACENE	0.22	U	0.22	LOD	0.54	LOQ	ug/l	NP	Surr, ProfJudg
BENZALDEHYDE	4.3	U	4.3	LOD	5.4	LOQ	ug/l	UJ	Surr
Benzo (g,h,i) perylene	0.22	U	0.22	LOD	0.54	LOQ	ug/l	NP	Surr, ProfJudg
BENZO(A)PYRENE	0.22	U	0.22	LOD	0.54	LOQ	ug/l	NP	Surr, ProfJudg
BENZO(B)FLUORANTHENE	0.22	U	0.22	LOD	0.54	LOQ	ug/l	NP	Surr, ProfJudg
BENZO(K)FLUORANTHENE	0.22	U	0.22	LOD	0.54	LOQ	ug/l	NP	Surr, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	4.3	U	4.3	LOD	5.4	LOQ	ug/l	UJ	Surr
Butyl benzyl phthalate	4.3	U	4.3	LOD	5.4	LOQ	ug/l	UJ	Surr
CAPROLACTAM	16	U	16	LOD	16	LOQ	ug/l	UJ	Surr
CARBAZOLE	1.1	U	1.1	LOD	1.1	LOQ	ug/l	UJ	Surr
CHRYSENE	0.22	U	0.22	LOD	0.54	LOQ	ug/l	NP	Surr, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.22	U	0.22	LOD	0.54	LOQ	ug/l	NP	Surr, ProfJudg
DIBENZOFURAN	1.1	U	1.1	LOD	1.1	LOQ	ug/l	UJ	Surr
DIETHYL PHTHALATE	4.3	U	4.3	LOD	5.4	LOQ	ug/l	UJ	Surr
DIMETHYL PHTHALATE	4.3	U	4.3	LOD	5.4	LOQ	ug/l	UJ	Surr
DI-N-BUTYL PHTHALATE	4.3	U	4.3	LOD	5.4	LOQ	ug/l	UJ	Surr
DI-N-OCTYL PHTHALATE	4.3	U	4.3	LOD	5.4	LOQ	ug/l	UJ	Surr
FLUORANTHENE	0.22	U	0.22	LOD	0.54	LOQ	ug/l	NP	Surr, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP46 **Laboratory: LLL**

EDD Filename: APP46-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: EB-SO061517-02 **Collected:** 6/15/2017 11:30:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORENE	0.22	U	0.22	LOD	0.54	LOQ	ug/l	NP	Surr, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.22	U	0.22	LOD	0.54	LOQ	ug/l	NP	Surr, ProfJudg
NAPHTHALENE	0.43	U	0.43	LOD	0.54	LOQ	ug/l	NP	Surr, ProfJudg
PHENANTHRENE	0.22	U	0.22	LOD	0.54	LOQ	ug/l	NP	Surr, ProfJudg
PYRENE	0.22	U	0.22	LOD	0.54	LOQ	ug/l	NP	Surr, ProfJudg

Sample ID: EB-SO061517-02-X **Collected:** 6/15/2017 11:30:00 AM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	4.0	U	4.0	LOD	4.0	LOQ	ug/l	NP	StoE, ProfJudg

Sample ID: EB-SO061517-02-X **Collected:** 6/15/2017 11:30:00 AM **Analysis Type:** Reanalysis-01/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/l	NP	StoE, ProfJudg

Sample ID: EB-SO061517-02-X **Collected:** 6/15/2017 11:30:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg
BENZALDEHYDE	4.0	U	4.0	LOD	5.0	LOQ	ug/l	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP46 **Laboratory: LLL**

EDD Filename: APP46-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: EB-SO061517-02-X **Collected:** 6/15/2017 11:30:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/l	NP	StoE, ProfJudg
Butyl benzyl phthalate	4.0	U	4.0	LOD	5.0	LOQ	ug/l	NP	StoE, ProfJudg
CAPROLACTAM	15	U	15	LOD	15	LOQ	ug/l	NP	StoE, ProfJudg
CARBAZOLE	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg
DIBENZOFURAN	1.0	U	1.0	LOD	1.0	LOQ	ug/l	NP	StoE, ProfJudg
DIETHYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/l	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/l	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/l	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/l	NP	StoE, ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg
NAPHTHALENE	0.26	J	0.40	LOD	0.50	LOQ	ug/l	NP	RI, StoE, ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	StoE, ProfJudg

Sample ID: EB-SO061617-01 **Collected:** 6/16/2017 2:10:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP46 **Laboratory: LLL**

EDD Filename: APP46-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: EB-SO061617-01 **Collected:** 6/16/2017 2:10:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.10	J	0.40	LOD	0.50	LOQ	ug/l	NP	RI, ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

Sample ID: EB-SO061617-02 **Collected:** 6/16/2017 2:20:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/l	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP46 **Laboratory: LLL**

EDD Filename: APP46-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix: WATER**

Sample ID: EB-SO061617-02 **Collected:** 6/16/2017 2:20:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/l	NP	ProfJudg

Sample ID: EB-SO061617-02-X **Collected:** 6/16/2017 2:20:00 PM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	1.1	U	1.1	LOD	1.1	LOQ	ug/l	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	1.1	U	1.1	LOD	1.1	LOQ	ug/l	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	4.4	U	4.4	LOD	4.4	LOQ	ug/l	NP	StoE, ProfJudg

Sample ID: EB-SO061617-02-X **Collected:** 6/16/2017 2:20:00 PM **Analysis Type:** Reanalysis-01/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.1	U	1.1	LOD	1.1	LOQ	ug/l	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	1.1	U	1.1	LOD	1.1	LOQ	ug/l	NP	StoE, ProfJudg
BENZOIC ACID	17	U	17	LOD	17	LOQ	ug/l	NP	StoE, ProfJudg

Sample ID: EB-SO061617-02-X **Collected:** 6/16/2017 2:20:00 PM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	1.1	U	1.1	LOD	1.1	LOQ	ug/l	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.22	U	0.22	LOD	0.55	LOQ	ug/l	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	1.1	U	1.1	LOD	1.1	LOQ	ug/l	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.22	U	0.22	LOD	0.55	LOQ	ug/l	NP	StoE, ProfJudg
ACENAPHTHENE	0.22	U	0.22	LOD	0.55	LOQ	ug/l	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.22	U	0.22	LOD	0.55	LOQ	ug/l	NP	StoE, ProfJudg
ANTHRACENE	0.22	U	0.22	LOD	0.55	LOQ	ug/l	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.22	U	0.22	LOD	0.55	LOQ	ug/l	NP	StoE, ProfJudg
BENZALDEHYDE	4.4	U	4.4	LOD	5.5	LOQ	ug/l	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.22	U	0.22	LOD	0.55	LOQ	ug/l	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.22	U	0.22	LOD	0.55	LOQ	ug/l	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.22	U	0.22	LOD	0.55	LOQ	ug/l	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.22	U	0.22	LOD	0.55	LOQ	ug/l	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP46 **Laboratory: LLL**

EDD Filename: APP46-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix: WATER**

Sample ID: EB-SO061617-02-X **Collected:** 6/16/2017 2:20:00 PM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BIS(2-ETHYLHEXYL) PHTHALATE	4.4	U	4.4	LOD	5.5	LOQ	ug/l	NP	StoE, ProfJudg
Butyl benzyl phthalate	4.4	U	4.4	LOD	5.5	LOQ	ug/l	NP	StoE, ProfJudg
CAPROLACTAM	17	U	17	LOD	17	LOQ	ug/l	NP	StoE, ProfJudg
CARBAZOLE	1.1	U	1.1	LOD	1.1	LOQ	ug/l	NP	StoE, ProfJudg
CHRYSENE	0.22	U	0.22	LOD	0.55	LOQ	ug/l	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.22	U	0.22	LOD	0.55	LOQ	ug/l	NP	StoE, ProfJudg
DIBENZOFURAN	1.1	U	1.1	LOD	1.1	LOQ	ug/l	NP	StoE, ProfJudg
DIETHYL PHTHALATE	4.4	U	4.4	LOD	5.5	LOQ	ug/l	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	4.4	U	4.4	LOD	5.5	LOQ	ug/l	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	4.4	U	4.4	LOD	5.5	LOQ	ug/l	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	4.4	U	4.4	LOD	5.5	LOQ	ug/l	NP	StoE, ProfJudg
FLUORANTHENE	0.22	U	0.22	LOD	0.55	LOQ	ug/l	NP	StoE, ProfJudg
FLUORENE	0.22	U	0.22	LOD	0.55	LOQ	ug/l	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.22	U	0.22	LOD	0.55	LOQ	ug/l	NP	StoE, ProfJudg
NAPHTHALENE	0.12	J	0.44	LOD	0.55	LOQ	ug/l	NP	RI, StoE, ProfJudg
PHENANTHRENE	0.22	U	0.22	LOD	0.55	LOQ	ug/l	NP	StoE, ProfJudg
PYRENE	0.22	U	0.22	LOD	0.55	LOQ	ug/l	NP	StoE, ProfJudg

Method Category: SVOA

Method: 8270D SIM **Matrix: WATER**

Sample ID: EB-SO061517-01 **Collected:** 6/15/2017 11:45:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.024	J	0.042	LOD	0.053	LOQ	ug/l	J	RI
2-METHYLNAPHTHALENE	0.047	J	0.042	LOD	0.053	LOQ	ug/l	J	RI
ACENAPHTHENE	0.015	J	0.042	LOD	0.053	LOQ	ug/l	J	RI
ANTHRACENE	0.012	J	0.042	LOD	0.053	LOQ	ug/l	J	RI
BENZ(A)ANTHRACENE	0.012	J	0.042	LOD	0.053	LOQ	ug/l	J	RI
BENZO(G,H,I)PERYLENE	0.011	J	0.042	LOD	0.053	LOQ	ug/l	J	RI
BENZO(K)FLUORANTHENE	0.012	J	0.042	LOD	0.053	LOQ	ug/l	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP46 **Laboratory: LLL**

EDD Filename: APP46-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: EB-SO061517-01 **Collected:** 6/15/2017 11:45:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.016	J	0.042	LOD	0.053	LOQ	ug/l	J	RI
FLUORANTHENE	0.019	J	0.042	LOD	0.053	LOQ	ug/l	J	RI
FLUORENE	0.022	J	0.042	LOD	0.053	LOQ	ug/l	J	RI
INDENO(1,2,3-CD)PYRENE	0.012	J	0.042	LOD	0.053	LOQ	ug/l	J	RI
PHENANTHRENE	0.045	J	0.063	LOD	0.063	LOQ	ug/l	J	RI
PYRENE	0.019	J	0.042	LOD	0.053	LOQ	ug/l	J	RI

Sample ID: EB-SO061517-02-X **Collected:** 6/15/2017 11:30:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.045	U	0.045	LOD	0.056	LOQ	ug/l	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.045	U	0.045	LOD	0.056	LOQ	ug/l	NP	StoE, ProfJudg
ACENAPHTHENE	0.045	U	0.045	LOD	0.056	LOQ	ug/l	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.045	U	0.045	LOD	0.056	LOQ	ug/l	NP	StoE, ProfJudg
ANTHRACENE	0.045	U	0.045	LOD	0.056	LOQ	ug/l	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.045	U	0.045	LOD	0.056	LOQ	ug/l	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.045	U	0.045	LOD	0.056	LOQ	ug/l	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.045	U	0.045	LOD	0.056	LOQ	ug/l	NP	StoE, ProfJudg
BENZO(G,H,I)PERYLENE	0.045	U	0.045	LOD	0.056	LOQ	ug/l	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.045	U	0.045	LOD	0.056	LOQ	ug/l	NP	StoE, ProfJudg
CHRYSENE	0.045	U	0.045	LOD	0.056	LOQ	ug/l	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.045	U	0.045	LOD	0.056	LOQ	ug/l	NP	StoE, ProfJudg
FLUORANTHENE	0.045	U	0.045	LOD	0.056	LOQ	ug/l	NP	StoE, ProfJudg
FLUORENE	0.045	U	0.045	LOD	0.056	LOQ	ug/l	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.045	U	0.045	LOD	0.056	LOQ	ug/l	NP	StoE, ProfJudg
NAPHTHALENE	0.20		0.067	LOD	0.067	LOQ	ug/l	NP	StoE, ProfJudg
PHENANTHRENE	0.067	U	0.067	LOD	0.067	LOQ	ug/l	NP	StoE, ProfJudg
PYRENE	0.045	U	0.045	LOD	0.056	LOQ	ug/l	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP46 **Laboratory: LLL**

EDD Filename: APP46-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: EB-SO061617-02 **Collected:** 6/16/2017 2:20:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NAPHTHALENE	0.050	J	0.060	LOD	0.060	LOQ	ug/l	J	RI

Sample ID: EB-SO061617-02-X **Collected:** 6/16/2017 2:20:00 PM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.042	U	0.042	LOD	0.052	LOQ	ug/l	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.042	U	0.042	LOD	0.052	LOQ	ug/l	NP	StoE, ProfJudg
ACENAPHTHENE	0.042	U	0.042	LOD	0.052	LOQ	ug/l	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.042	U	0.042	LOD	0.052	LOQ	ug/l	NP	StoE, ProfJudg
ANTHRACENE	0.042	U	0.042	LOD	0.052	LOQ	ug/l	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.042	U	0.042	LOD	0.052	LOQ	ug/l	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.042	U	0.042	LOD	0.052	LOQ	ug/l	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.042	U	0.042	LOD	0.052	LOQ	ug/l	NP	StoE, ProfJudg
BENZO(G,H,I)PERYLENE	0.042	U	0.042	LOD	0.052	LOQ	ug/l	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.042	U	0.042	LOD	0.052	LOQ	ug/l	NP	StoE, ProfJudg
CHRYSENE	0.042	U	0.042	LOD	0.052	LOQ	ug/l	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.042	U	0.042	LOD	0.052	LOQ	ug/l	NP	StoE, ProfJudg
FLUORANTHENE	0.042	U	0.042	LOD	0.052	LOQ	ug/l	NP	StoE, ProfJudg
FLUORENE	0.042	U	0.042	LOD	0.052	LOQ	ug/l	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.042	U	0.042	LOD	0.052	LOQ	ug/l	NP	StoE, ProfJudg
NAPHTHALENE	0.089		0.063	LOD	0.063	LOQ	ug/l	NP	StoE, ProfJudg
PHENANTHRENE	0.063	U	0.063	LOD	0.063	LOQ	ug/l	NP	StoE, ProfJudg
PYRENE	0.042	U	0.042	LOD	0.052	LOQ	ug/l	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP46 **Laboratory: LLL**

EDD Filename: APP46-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Reason Code Legend

Reason Code	*Description*
ProfJudg	Professional Judgment
RI	Reporting Limit Trace Value
StoE	Sampling to Extraction Estimation
StoE	Sampling to Extraction Rejection
Surr	Surrogate/Tracer Recovery Lower Estimation

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

QC Outlier Report: HoldingTimes

Lab Reporting Batch ID: APP46 **Laboratory: LLL**

EDD Filename: APP46-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D **Preparation Method: SW3510C**

Matrix: WATER

Sample ID	Type	Actual	Criteria	Units	Flag
EB-SO061517-02-X (Reanalysis-01/	Sampling To Extraction	11.00	7.00	DAYS	J- (all detects)
EB-SO061617-02-X (Reanalysis-01/		10.00	7.00	DAYS	UJ (all non-detects)

Method: 8270D SIM **Preparation Method: SW3510C**

Matrix: WATER

Sample ID	Type	Actual	Criteria	Units	Flag
EB-SO061517-02-X (Reanalysis-01/	Sampling To Extraction	29.00	7.00	DAYS	J-(all detects)
EB-SO061617-02-X (Reanalysis-01/		28.00	7.00	DAYS	R(all non-detects)

Surrogate Outlier Report

Lab Reporting Batch ID: APP46 **Laboratory: LLL**

EDD Filename: APP46-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D
Matrix: WATER

Sample ID (Analysis Type)	Surrogate	Sample % Recovery	% Recovery Limits	Affected Compounds	Flag
EB-SO061517-02 (Initial/TOT)	2,4,6-TRIBROMOPHENOL 2-FLUOROBIPHENYL 2-FLUOROPHENOL Nitrobenzene-d5 Terphenyl-d14	32 37 17 40 37	43.00-140.00 44.00-119.00 19.00-119.00 44.00-120.00 50.00-134.00	All Target Analytes	J- (all detects) UJ (all non-detects)
EB-SO061617-02 (Initial/TOT)	2-FLUOROBIPHENYL	43	44.00-119.00	No Affected Compounds	

Method: 8270D SIM
Matrix: WATER

Sample ID (Analysis Type)	Surrogate	Sample % Recovery	% Recovery Limits	Affected Compounds	Flag
EB-SO061517-02 (Initial/TOT)	Fluoranthene-d10	37	42.00-136.00	No Affected Compounds	
EB-SO061617-02 (Initial/TOT)	Fluoranthene-d10	34	42.00-136.00	No Affected Compounds	

Reporting Limit Outliers

Lab Reporting Batch ID: APP46 **Laboratory: LLL**

EDD Filename: APP46-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB-SO061417-02	MAGNESIUM	J	54.7	200	LOQ	ug/l	J (all detects)
	VANADIUM	J	0.23	1.0	LOQ	ug/l	
EB-SO061517-02	ALUMINUM	J	27.1	200	LOQ	ug/l	J (all detects)
	MAGNESIUM	J	16.5	200	LOQ	ug/l	
	MANGANESE	J	1.1	4.0	LOQ	ug/l	
	SODIUM	J	72.5	400	LOQ	ug/l	
	VANADIUM	J	0.23	1.0	LOQ	ug/l	
EB-SO061617-01	MANGANESE	J	1.0	4.0	LOQ	ug/l	J (all detects)
	SODIUM	J	60.0	400	LOQ	ug/l	
	VANADIUM	J	0.29	1.0	LOQ	ug/l	
	ZINC	J	6.6	30.0	LOQ	ug/l	

Method: 8270D

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB-SO061417-02	NAPHTHALENE	J	0.25	0.50	LOQ	ug/l	J (all detects)
EB-SO061517-01	NAPHTHALENE	J	0.32	0.53	LOQ	ug/l	J (all detects)
EB-SO061517-02-X	NAPHTHALENE	J	0.26	0.50	LOQ	ug/l	J (all detects)
EB-SO061617-01	NAPHTHALENE	J	0.10	0.50	LOQ	ug/l	J (all detects)
EB-SO061617-02-X	NAPHTHALENE	J	0.12	0.55	LOQ	ug/l	J (all detects)

Method: 8270D SIM

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB-SO061517-01	1-METHYLNAPHTHALENE	J	0.024	0.053	LOQ	ug/l	J (all detects)
	2-METHYLNAPHTHALENE	J	0.047	0.053	LOQ	ug/l	
	ACENAPHTHENE	J	0.015	0.053	LOQ	ug/l	
	ANTHRACENE	J	0.012	0.053	LOQ	ug/l	
	BENZ(A)ANTHRACENE	J	0.012	0.053	LOQ	ug/l	
	BENZO(G,H,I)PERYLENE	J	0.011	0.053	LOQ	ug/l	
	BENZO(K)FLUORANTHENE	J	0.012	0.053	LOQ	ug/l	
	CHRYSENE	J	0.016	0.053	LOQ	ug/l	
	FLUORANTHENE	J	0.019	0.053	LOQ	ug/l	
	FLUORENE	J	0.022	0.053	LOQ	ug/l	
	INDENO(1,2,3-CD)PYRENE	J	0.012	0.053	LOQ	ug/l	
	PHENANTHRENE	J	0.045	0.063	LOQ	ug/l	
	PYRENE	J	0.019	0.053	LOQ	ug/l	
EB-SO061617-02	NAPHTHALENE	J	0.050	0.060	LOQ	ug/l	J (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP46 **Laboratory: LLL**

EDD Filename: APP46-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **SM 2340B**

Matrix: **WATER**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
EB-SO061417-02	HARDNESS (AS CACO3)	J	230	400	LOQ	ug/l	J (all detects)

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Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page	1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.		
Laboratory SDG:	APP47		
Date(s) of Collection:	June 20th, 2017		
Number/Type Samples & Analyses:	16 soil samples and 3 duplicates for a project-specific list of hexavalent chromium and metals		
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA		
Completed:	November 17th, 2017		

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for soil data included in Sample Delivery Group (SDG) APP47. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017.

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✓ Holding times and sample preservation

✓ Laboratory method blank data

✓ Field rinsate blank data

NA Trip blank data

✓ Laboratory control sample (LCS) recoveries

✗ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✓ Surrogate recoveries

✗ Laboratory duplicate results

✗ Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of “J” data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

This data package was revised 11/9/2017 due to the Eurofins SW6020A metals data breach. The majority of the data changes were made to Quality Control (QC) and/or calibration checks, not to actual sample results. The few field sample result changes were due to the originally reported result exceeding the linear calibration range of the instrument; those results were changed to be slightly lower than the upper limit of the calibration range.

In this package, the initial calibration verification percent recovery for calcium was slightly below QC specification and the continuing calibration verification percent recovery for calcium was slightly above the QC specification.

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
J+	The result is an estimated quantity, but the result may be biased high.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP47 **Laboratory: LLL**

EDD Filename: APP47-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Validation Area	*Note*
Technical Holding Times	A
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	SR
Surrogate/Tracer Spikes	N
Matrix Spike/Matrix Spike Duplicates	SR
Laboratory Duplicates	SR
Laboratory Replicates	N
Laboratory Control Samples	A
Compound Quantitation	SR
Field Duplicates	SR
Field Triplicates	N
Field Blanks	A

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP47 **Laboratory: LLL**

EDD Filename: APP47-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SOIL**

Sample ID: **DU13-S001-00-01** ***Collected:*** **6/20/2017 11:10:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	8820		10.1	LOD	40.5	LOQ	mg/kg	J+	Ms
ANTIMONY	0.203	U	0.203	LOD	0.405	LOQ	mg/kg	UJ	Ms
BARIUM	38.0		0.405	LOD	0.811	LOQ	mg/kg	J+	Ms
IRON	10700		20.3	LOD	40.5	LOQ	mg/kg	J+	Ms
MAGNESIUM	2640		10.1	LOD	40.5	LOQ	mg/kg	J+	Ms
MANGANESE	131		0.203	LOD	0.811	LOQ	mg/kg	J+	Ms
POTASSIUM	1590		20.3	LOD	81.1	LOQ	mg/kg	J+	Ms
SELENIUM	0.203	U	0.203	LOD	0.811	LOQ	mg/kg	UJ	Ld
THALLIUM	0.128	J	0.0507	LOD	0.203	LOQ	mg/kg	J	Rl
ZINC	20.1		3.04	LOD	6.08	LOQ	mg/kg	J+	Ms
CHROMIUM	13.8		0.405	LOD	0.811	LOQ	mg/kg	J+	Ms

Sample ID: **DU13-S001-00-01** ***Collected:*** **6/20/2017 11:10:00 AM** ***Analysis Type:*** **Reanalysis-01** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	720		40.5	LOD	81.1	LOQ	mg/kg	J	Ms, Ms
VANADIUM	20.7		0.101	LOD	0.203	LOQ	mg/kg	J+	Ms

Sample ID: **DU13-S002-00-01** ***Collected:*** **6/20/2017 11:15:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.135	J	0.0496	LOD	0.198	LOQ	mg/kg	J	Rl, Fd

Sample ID: **DU13-S002-00-01** ***Collected:*** **6/20/2017 11:15:00 AM** ***Analysis Type:*** **Reanalysis-01** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	1120		39.7	LOD	79.4	LOQ	mg/kg	J	Fd
NICKEL	8.65		0.198	LOD	0.794	LOQ	mg/kg	J	Fd

Sample ID: **DU13-S002-00-01D** ***Collected:*** **6/20/2017 11:15:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.0937	J	0.0374	LOD	0.150	LOQ	mg/kg	J	Rl, Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP47 **Laboratory: LLL**

EDD Filename: APP47-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU13-S002-00-01D **Collected:** 6/20/2017 11:15:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	742		29.9	LOD	59.9	LOQ	mg/kg	J	Fd
NICKEL	6.15		0.150	LOD	0.599	LOQ	mg/kg	J	Fd

Sample ID: DU13-S003-00-01 **Collected:** 6/20/2017 10:00:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0513	J	0.0903	LOD	0.181	LOQ	mg/kg	J	RI
SELENIUM	0.195	J	0.181	LOD	0.723	LOQ	mg/kg	J	RI
THALLIUM	0.0898	J	0.0452	LOD	0.181	LOQ	mg/kg	J	RI

Sample ID: DU13-S004-00-01 **Collected:** 6/20/2017 9:40:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0551	J	0.0903	LOD	0.181	LOQ	mg/kg	J	RI
SELENIUM	0.184	J	0.181	LOD	0.722	LOQ	mg/kg	J	RI
SILVER	0.0314	J	0.0451	LOD	0.181	LOQ	mg/kg	J	RI
THALLIUM	0.108	J	0.0451	LOD	0.181	LOQ	mg/kg	J	RI

Sample ID: DU13-S005-00-01 **Collected:** 6/20/2017 11:05:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0859	J	0.0739	LOD	0.148	LOQ	mg/kg	J	RI
SELENIUM	0.168	J	0.148	LOD	0.591	LOQ	mg/kg	J	RI
THALLIUM	0.0738	J	0.0370	LOD	0.148	LOQ	mg/kg	J	RI

Sample ID: DU13-S006-00-01 **Collected:** 6/20/2017 10:10:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.0713	J	0.0448	LOD	0.179	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP47 **Laboratory: LLL**

EDD Filename: APP47-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU13-S007-00-01 **Collected:** 6/20/2017 9:00:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.128	J	0.170	LOD	0.680	LOQ	mg/kg	J	RI
THALLIUM	0.0828	J	0.0425	LOD	0.170	LOQ	mg/kg	J	RI

Sample ID: DU13-S008-00-01 **Collected:** 6/20/2017 9:05:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.171	J	0.203	LOD	0.813	LOQ	mg/kg	J	RI
SODIUM	77.3	J	20.3	LOD	81.3	LOQ	mg/kg	J	RI
THALLIUM	0.0937	J	0.0508	LOD	0.203	LOQ	mg/kg	J	RI

Sample ID: DU13-S009-00-01 **Collected:** 6/20/2017 10:35:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0445	J	0.0798	LOD	0.160	LOQ	mg/kg	J	RI
CALCIUM	656		31.9	LOD	63.9	LOQ	mg/kg	J	Fd
CHROMIUM	11.9		0.319	LOD	0.639	LOQ	mg/kg	J	Fd
MAGNESIUM	2080		7.98	LOD	31.9	LOQ	mg/kg	J	Fd
MANGANESE	128		0.160	LOD	0.639	LOQ	mg/kg	J	Fd
SELENIUM	0.133	J	0.160	LOD	0.639	LOQ	mg/kg	J	RI
THALLIUM	0.100	J	0.0399	LOD	0.160	LOQ	mg/kg	J	RI
ZINC	20.0		2.39	LOD	4.79	LOQ	mg/kg	J	Fd

Sample ID: DU13-S009-00-01 **Collected:** 6/20/2017 10:35:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	2.43		0.319	LOD	0.639	LOQ	mg/kg	J	Fd
NICKEL	6.81		0.160	LOD	0.639	LOQ	mg/kg	J	Fd

Sample ID: DU13-S009-00-01D **Collected:** 6/20/2017 10:35:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0380	J	0.0830	LOD	0.166	LOQ	mg/kg	J	RI
CALCIUM	476		33.2	LOD	66.4	LOQ	mg/kg	J	Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP47 **Laboratory: LLL**

EDD Filename: APP47-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix: SOIL**

Sample ID: DU13-S009-00-01D **Collected:** 6/20/2017 10:35:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	24.0		0.332	LOD	0.664	LOQ	mg/kg	J	Fd
MAGNESIUM	4000		8.30	LOD	33.2	LOQ	mg/kg	J	Fd
MANGANESE	251		0.166	LOD	0.664	LOQ	mg/kg	J	Fd
SELENIUM	0.0981	J	0.166	LOD	0.664	LOQ	mg/kg	J	Rl
THALLIUM	0.108	J	0.0415	LOD	0.166	LOQ	mg/kg	J	Rl
ZINC	28.9		2.49	LOD	4.98	LOQ	mg/kg	J	Fd

Sample ID: DU13-S009-00-01D **Collected:** 6/20/2017 10:35:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.64		0.332	LOD	0.664	LOQ	mg/kg	J	Fd
NICKEL	13.1		0.166	LOD	0.664	LOQ	mg/kg	J	Fd

Sample ID: DU13-S010-00-01 **Collected:** 6/20/2017 10:30:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.100	J	0.152	LOD	0.608	LOQ	mg/kg	J	Rl
THALLIUM	0.126	J	0.0380	LOD	0.152	LOQ	mg/kg	J	Rl

Sample ID: DU13-S011-00-01 **Collected:** 6/20/2017 10:55:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.106	J	0.177	LOD	0.707	LOQ	mg/kg	J	Rl
THALLIUM	0.125	J	0.0442	LOD	0.177	LOQ	mg/kg	J	Rl

Sample ID: DU13-S012-00-01 **Collected:** 6/20/2017 9:10:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.123	J	0.211	LOD	0.845	LOQ	mg/kg	J	Rl
THALLIUM	0.105	J	0.0528	LOD	0.211	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP47 **Laboratory: LLL**

EDD Filename: APP47-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU13-S013-00-01 **Collected:** 6/20/2017 11:20:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.185	J	0.220	LOD	0.440	LOQ	mg/kg	J	RI
CADMIUM	0.134	J	0.110	LOD	0.220	LOQ	mg/kg	J	RI
SELENIUM	0.302	J	0.220	LOD	0.879	LOQ	mg/kg	J	RI
SILVER	0.0635	J	0.0549	LOD	0.220	LOQ	mg/kg	J	RI
THALLIUM	0.0523	J	0.0549	LOD	0.220	LOQ	mg/kg	J	RI

Sample ID: DU13-S013-00-01 **Collected:** 6/20/2017 11:20:00 AM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.176	J	0.0275	LOD	0.220	LOQ	mg/kg	J	RI

Sample ID: DU13-S014-00-01 **Collected:** 6/20/2017 10:40:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.151	J	0.198	LOD	0.793	LOQ	mg/kg	J	RI
THALLIUM	0.0990	J	0.0496	LOD	0.198	LOQ	mg/kg	J	RI

Sample ID: DU13-S015-00-01 **Collected:** 6/20/2017 11:00:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.102	J	0.152	LOD	0.609	LOQ	mg/kg	J	RI
THALLIUM	0.122	J	0.0381	LOD	0.152	LOQ	mg/kg	J	RI

Sample ID: DU13-S015-00-01D **Collected:** 6/20/2017 11:00:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.136	J	0.184	LOD	0.735	LOQ	mg/kg	J	RI
THALLIUM	0.106	J	0.0459	LOD	0.184	LOQ	mg/kg	J	RI

Sample ID: DU13-S016-00-01 **Collected:** 6/20/2017 9:25:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0317	J	0.0870	LOD	0.174	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP47 **Laboratory: LLL**

EDD Filename: APP47-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix: SOIL**

Sample ID: DU13-S016-00-01 **Collected:** 6/20/2017 9:25:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.126	J	0.174	LOD	0.696	LOQ	mg/kg	J	RI
THALLIUM	0.0988	J	0.0435	LOD	0.174	LOQ	mg/kg	J	RI

Method Category: METALS

Method: 7199 **Matrix: SOIL**

Sample ID: DU13-S001-00-01 **Collected:** 6/20/2017 11:10:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Hexavalent Chromium [Cr (VI)]	0.42	J	0.43	LOD	0.43	LOQ	mg/kg	J	RI

Method Category: METALS

Method: 7471B **Matrix: SOIL**

Sample ID: DU13-S003-00-01 **Collected:** 6/20/2017 10:00:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0699	J	0.0178	LOD	0.107	LOQ	mg/kg	J	RI

Sample ID: DU13-S004-00-01 **Collected:** 6/20/2017 9:40:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0971	J	0.0162	LOD	0.0975	LOQ	mg/kg	J	RI

Sample ID: DU13-S005-00-01 **Collected:** 6/20/2017 11:05:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0196	J	0.0184	LOD	0.110	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP47 **Laboratory: LLL**

EDD Filename: APP47-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7471B **Matrix: SOIL**

Sample ID: DU13-S007-00-01 **Collected:** 6/20/2017 9:00:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0908	J	0.0161	LOD	0.0966	LOQ	mg/kg	J	RI

Sample ID: DU13-S008-00-01 **Collected:** 6/20/2017 9:05:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.104	J	0.0180	LOD	0.108	LOQ	mg/kg	J	RI

Sample ID: DU13-S009-00-01 **Collected:** 6/20/2017 10:35:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0129	J	0.0184	LOD	0.110	LOQ	mg/kg	J	RI

Sample ID: DU13-S009-00-01D **Collected:** 6/20/2017 10:35:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0125	J	0.0182	LOD	0.109	LOQ	mg/kg	J	RI

Sample ID: DU13-S012-00-01 **Collected:** 6/20/2017 9:10:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0154	J	0.0198	LOD	0.119	LOQ	mg/kg	J	RI

Sample ID: DU13-S013-00-01 **Collected:** 6/20/2017 11:20:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0971	J	0.0223	LOD	0.134	LOQ	mg/kg	J	RI

Sample ID: DU13-S016-00-01 **Collected:** 6/20/2017 9:25:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0127	J	0.0173	LOD	0.104	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP47 **Laboratory: LLL**

EDD Filename: APP47-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP47 **Laboratory: LLL**

EDD Filename: APP47-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Reason Code Legend

Reason Code	*Description*
Fd	Field Duplicate Precision
Ld	Laboratory Duplicate Precision
Mb	Method Blank Contamination
Ms	Matrix Spike Lower Estimation
Ms	Matrix Spike Precision
Ms	Matrix Spike Upper Estimation
Rl	Reporting Limit Trace Value

* denotes a non-reportable result

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP47 **Laboratory: LLL**

EDD Filename: APP47-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**
Matrix: **SOIL**

QC Sample ID (Associated Samples)	*Compound*	*MS %R*	*MSD %R*	*%R Limits*	*RPD (Limits)*	*Affected Compounds*	*Flag*
DU13-S001-00-01MSD (Wet) (DU13-S001-00-01)	CALCIUM	-	169	86.00-118.00	23 (20.00)	CALCIUM	J (all detects) UJ (all non-detects)
DU13-S001-00-01MS (Wet) DU13-S001-00-01MSD (Wet) (DU13-S001-00-01)	ANTIMONY	61	51	72.00-124.00	-	ANTIMONY	J-(all detects) UJ(all non-detects)
DU13-S001-00-01MS (Wet) DU13-S001-00-01MSD (Wet) (DU13-S001-00-01)	ALUMINUM BARIUM CHROMIUM IRON MAGNESIUM MANGANESE POTASSIUM VANADIUM ZINC	730 160 127 956 215 355 - 118 189	839 193 143 1243 256 545 125 136 198	78.00-124.00 86.00-116.00 83.00-119.00 81.00-124.00 80.00-123.00 85.00-116.00 85.00-119.00 82.00-116.00 82.00-119.00	- - - - - - - - -	ALUMINUM BARIUM CHROMIUM IRON MAGNESIUM MANGANESE POTASSIUM VANADIUM ZINC	J+(all detects)

Lab Duplicate Outlier Report

Lab Reporting Batch ID: APP47 **Laboratory: LLL**

EDD Filename: APP47-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SOIL

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
DU13-S001-00-01DUP (Wet) (DU13-S001-00-01)	SELENIUM	200	20.00	J (all detects) UJ (all non-detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: APP47 **Laboratory: LLL**

EDD Filename: APP47-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SOIL

Analyte	Concentration (mg/kg) DU13-S009-00-01 (Dry)	Concentration (mg/kg) DU13-S009-00-01D (Dry)	Sample RPD	eQAPP RPD	Flag
ALUMINUM	7930	9100	14	30.00	
BARIUM	33.3	29.5	12	30.00	
BERYLLIUM	0.380	0.295	25	30.00	
CADMIUM	0.0445	0.0380	16	30.00	
COBALT	4.07	4.74	15	30.00	
COPPER	7.98	6.96	14	30.00	
IRON	9970	12900	26	30.00	No Qualifiers Applied
LEAD	4.39	3.95	11	30.00	
POTASSIUM	1170	1400	18	30.00	
SELENIUM	0.133	0.0981	30	30.00	
SODIUM	101	79.8	23	30.00	
THALLIUM	0.100	0.108	8	30.00	
VANADIUM	19.9	24.6	21	30.00	
ARSENIC	2.43	1.64	39	30.00	
CALCIUM	656	476	32	30.00	
CHROMIUM	11.9	24.0	67	30.00	
MAGNESIUM	2080	4000	63	30.00	J(all detects) UJ(all non-detects)
MANGANESE	128	251	65	30.00	
NICKEL	6.81	13.1	63	30.00	
ZINC	20.0	28.9	36	30.00	

Analyte	Concentration (mg/kg) DU13-S015-00-01 (Dry)	Concentration (mg/kg) DU13-S015-00-01D (Dry)	Sample RPD	eQAPP RPD	Flag
ALUMINUM	6870	6910	1	30.00	
ARSENIC	1.79	1.89	5	30.00	
BARIUM	28.1	27.6	2	30.00	
BERYLLIUM	0.277	0.283	2	30.00	
CALCIUM	382	421	10	30.00	
CHROMIUM	10.4	10.6	2	30.00	
COBALT	3.16	3.39	7	30.00	
COPPER	6.18	6.46	4	30.00	
IRON	9640	10000	4	30.00	
LEAD	3.33	3.36	1	30.00	No Qualifiers Applied
MAGNESIUM	1770	1720	3	30.00	
MANGANESE	130	123	6	30.00	
NICKEL	6.74	6.55	3	30.00	
POTASSIUM	1100	1140	4	30.00	
SELENIUM	0.102	0.136	29	30.00	
SODIUM	78.0	79.8	2	30.00	
THALLIUM	0.122	0.106	14	30.00	
VANADIUM	17.2	17.9	4	30.00	
ZINC	16.5	16.5	0	30.00	

Analyte	Concentration (mg/kg) DU13-S002-00-01 (Dry)	Concentration (mg/kg) DU13-S002-00-01D (Dry)	Sample RPD	eQAPP RPD	Flag

Field Duplicate RPD Report

Lab Reporting Batch ID: APP47 **Laboratory: LLL**

EDD Filename: APP47-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SOIL

Analyte	DU13-S009-00-01 (Dry)	DU13-S009-00-01D (Dry)	Sample RPD	eQAPP RPD	Flag
ALUMINUM	7930	6650	18	30.00	
ARSENIC	1.89	2.05	8	30.00	
BARIUM	31.1	26.8	15	30.00	
BERYLLIUM	0.279	0.246	13	30.00	
CHROMIUM	13.4	11.8	13	30.00	
COBALT	3.39	3.38	0	30.00	
COPPER	6.68	5.62	17	30.00	
IRON	10100	8290	20	30.00	No Qualifiers Applied
LEAD	4.19	3.57	16	30.00	
MAGNESIUM	2690	2240	18	30.00	
MANGANESE	119	104	13	30.00	
POTASSIUM	1560	1310	17	30.00	
SODIUM	166	133	22	30.00	
VANADIUM	20.6	16.3	23	30.00	
ZINC	17.3	16.3	6	30.00	
CALCIUM	1120	742	41	30.00	J(all detects) UJ(all non-detects)
NICKEL	8.65	6.15	34	30.00	
THALLIUM	0.135	0.0937	36	30.00	

Method: 7471B
Matrix: SOIL

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU13-S009-00-01 (Dry)	DU13-S009-00-01D (Dry)			
MERCURY	0.0129	0.0125	3	30.00	No Qualifiers Applied

Reporting Limit Outliers

Lab Reporting Batch ID: APP47 **Laboratory: LLL**

EDD Filename: APP47-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU13-S001-00-01	THALLIUM	J	0.128	0.203	LOQ	mg/kg	J (all detects)
DU13-S002-00-01	THALLIUM	J	0.135	0.198	LOQ	mg/kg	J (all detects)
DU13-S002-00-01D	THALLIUM	J	0.0937	0.150	LOQ	mg/kg	J (all detects)
DU13-S003-00-01	CADMIUM SELENIUM THALLIUM	J J J	0.0513 0.195 0.0898	0.181 0.723 0.181	LOQ LOQ LOQ	mg/kg mg/kg mg/kg	J (all detects)
DU13-S004-00-01	CADMIUM SELENIUM SILVER THALLIUM	J J J J	0.0551 0.184 0.0314 0.108	0.181 0.722 0.181 0.181	LOQ LOQ LOQ LOQ	mg/kg mg/kg mg/kg mg/kg	J (all detects)
DU13-S005-00-01	CADMIUM SELENIUM THALLIUM	J J J	0.0859 0.168 0.0738	0.148 0.591 0.148	LOQ LOQ LOQ	mg/kg mg/kg mg/kg	J (all detects)
DU13-S006-00-01	THALLIUM	J	0.0713	0.179	LOQ	mg/kg	J (all detects)
DU13-S007-00-01	SELENIUM THALLIUM	J J	0.128 0.0828	0.680 0.170	LOQ LOQ	mg/kg mg/kg	J (all detects)
DU13-S008-00-01	SELENIUM SODIUM THALLIUM	J J J	0.171 77.3 0.0937	0.813 81.3 0.203	LOQ LOQ LOQ	mg/kg mg/kg mg/kg	J (all detects)
DU13-S009-00-01	CADMIUM SELENIUM THALLIUM	J J J	0.0445 0.133 0.100	0.160 0.639 0.160	LOQ LOQ LOQ	mg/kg mg/kg mg/kg	J (all detects)
DU13-S009-00-01D	CADMIUM SELENIUM THALLIUM	J J J	0.0380 0.0981 0.108	0.166 0.664 0.166	LOQ LOQ LOQ	mg/kg mg/kg mg/kg	J (all detects)
DU13-S010-00-01	SELENIUM THALLIUM	J J	0.100 0.126	0.608 0.152	LOQ LOQ	mg/kg mg/kg	J (all detects)
DU13-S011-00-01	SELENIUM THALLIUM	J J	0.106 0.125	0.707 0.177	LOQ LOQ	mg/kg mg/kg	J (all detects)
DU13-S012-00-01	SELENIUM THALLIUM	J J	0.123 0.105	0.845 0.211	LOQ LOQ	mg/kg mg/kg	J (all detects)
DU13-S013-00-01	ANTIMONY BERYLLIUM CADMIUM SELENIUM SILVER THALLIUM	J J J J J J	0.185 0.176 0.134 0.302 0.0635 0.0523	0.440 0.220 0.220 0.879 0.220 0.220	LOQ LOQ LOQ LOQ LOQ LOQ	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	J (all detects)
DU13-S014-00-01	SELENIUM THALLIUM	J J	0.151 0.0990	0.793 0.198	LOQ LOQ	mg/kg mg/kg	J (all detects)
DU13-S015-00-01	SELENIUM THALLIUM	J J	0.102 0.122	0.609 0.152	LOQ LOQ	mg/kg mg/kg	J (all detects)
DU13-S015-00-01D	SELENIUM THALLIUM	J J	0.136 0.106	0.735 0.184	LOQ LOQ	mg/kg mg/kg	J (all detects)
DU13-S016-00-01	CADMIUM SELENIUM THALLIUM	J J J	0.0317 0.126 0.0988	0.174 0.696 0.174	LOQ LOQ LOQ	mg/kg mg/kg mg/kg	J (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP47 **Laboratory: LLL**

EDD Filename: APP47-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 7199

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU13-S001-00-01	Hexavalent Chromium [Cr (VI)]	J	0.42	0.43	LOQ	mg/kg	J (all detects)

Method: 7471B

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU13-S003-00-01	MERCURY	J	0.0699	0.107	LOQ	mg/kg	J (all detects)
DU13-S004-00-01	MERCURY	J	0.0971	0.0975	LOQ	mg/kg	J (all detects)
DU13-S005-00-01	MERCURY	J	0.0196	0.110	LOQ	mg/kg	J (all detects)
DU13-S007-00-01	MERCURY	J	0.0908	0.0966	LOQ	mg/kg	J (all detects)
DU13-S008-00-01	MERCURY	J	0.104	0.108	LOQ	mg/kg	J (all detects)
DU13-S009-00-01	MERCURY	J	0.0129	0.110	LOQ	mg/kg	J (all detects)
DU13-S009-00-01D	MERCURY	J	0.0125	0.109	LOQ	mg/kg	J (all detects)
DU13-S012-00-01	MERCURY	J	0.0154	0.119	LOQ	mg/kg	J (all detects)
DU13-S013-00-01	MERCURY	J	0.0971	0.134	LOQ	mg/kg	J (all detects)
DU13-S016-00-01	MERCURY	J	0.0127	0.104	LOQ	mg/kg	J (all detects)

Method Blank Outlier Report

Lab Reporting Batch ID: APP47 **Laboratory: LLL**

EDD Filename: APP47-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**
Matrix: **SOIL**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P17763CB177063703	7/25/2017 2:54:00 PM	LEAD MANGANESE POTASSIUM	0.0456 mg/kg 0.543 mg/kg 14.2 mg/kg	DU13-S001-00-01 DU13-S002-00-01 DU13-S002-00-01D DU13-S003-00-01 DU13-S004-00-01 DU13-S005-00-01 DU13-S006-00-01 DU13-S007-00-01 DU13-S008-00-01 DU13-S009-00-01 DU13-S009-00-01D DU13-S010-00-01 DU13-S011-00-01 DU13-S012-00-01 DU13-S013-00-01 DU13-S014-00-01 DU13-S015-00-01 DU13-S015-00-01D DU13-S016-00-01

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Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page	1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.		
Laboratory SDG:	APP48		
Date(s) of Collection:	June 19th, 2017		
Number/Type Samples & Analyses:	16 soil samples and 1 duplicate for a project-specific list of hexavalent chromium and metals		
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA		
Completed:	November 19th, 2017		

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for soil data included in Sample Delivery Group (SDG) APP48. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017.

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✓ Holding times and sample preservation

✓ Laboratory method blank data

✓ Field rinsate blank data

NA Trip blank data

✓ Laboratory control sample (LCS) recoveries

✗ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✓ Surrogate recoveries

✗ Laboratory duplicate results

✗ Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of “J” data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

This data package was revised 11/9/2017 due to the Eurofins SW6020A metals data breach. The majority of the data changes were made to Quality Control (QC) and/or calibration checks, not to actual sample results. The few field sample result changes were due to the originally reported result exceeding the linear calibration range of the instrument; those results were changed to be slightly lower than the upper limit of the calibration range.

In this package, the continuing calibration verification percent recovery for calcium was slightly above the QC specification.

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP48 **Laboratory: LLL**

EDD Filename: APP48-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Validation Area	*Note*
Technical Holding Times	A
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	A
Surrogate/Tracer Spikes	N
Matrix Spike/Matrix Spike Duplicates	SR
Laboratory Duplicates	SR
Laboratory Replicates	N
Laboratory Control Samples	A
Compound Quantitation	SR
Field Duplicates	SR
Field Triplicates	N
Field Blanks	A

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP48 **Laboratory: LLL**

EDD Filename: APP48-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU18-S001-00-01 **Collected:** 6/19/2017 3:00:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	3.29		0.431	LOD	0.862	LOQ	mg/kg	J+	Ms
BARIUM	17.9		0.431	LOD	0.862	LOQ	mg/kg	J+	Ms
BERYLLIUM	0.354		0.0269	LOD	0.216	LOQ	mg/kg	J	Ld
CALCIUM	346		43.1	LOD	86.2	LOQ	mg/kg	J	Ms, Ms
COPPER	2.59		0.216	LOD	0.862	LOQ	mg/kg	J	Ms, Ms
IRON	14200		21.6	LOD	43.1	LOQ	mg/kg	J+	Ms
LEAD	8.14		0.0539	LOD	0.431	LOQ	mg/kg	J	Ms, Ms
MAGNESIUM	1110		10.8	LOD	43.1	LOQ	mg/kg	J+	Ms
MANGANESE	89.5		0.216	LOD	0.862	LOQ	mg/kg	J+	Ms
POTASSIUM	436		21.6	LOD	86.2	LOQ	mg/kg	J	Ld
SODIUM	61.3	J	21.6	LOD	86.2	LOQ	mg/kg	J	Rl
THALLIUM	0.0905	J	0.0539	LOD	0.216	LOQ	mg/kg	J	Rl
VANADIUM	26.1		0.108	LOD	0.216	LOQ	mg/kg	J+	Ms
ZINC	31.0		3.23	LOD	6.47	LOQ	mg/kg	J+	Ms
ALUMINUM	12100		10.8	LOD	43.1	LOQ	mg/kg	J+	Ms

Sample ID: DU18-S001-00-01 **Collected:** 6/19/2017 3:00:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0938	J	0.108	LOD	0.216	LOQ	mg/kg	J	Rl, Ld
SELENIUM	0.447	J	0.216	LOD	0.862	LOQ	mg/kg	J	Rl

Sample ID: DU18-S002-00-01 **Collected:** 6/19/2017 2:55:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.108	J	0.200	LOD	0.400	LOQ	mg/kg	J	Rl
BERYLLIUM	0.170	J	0.0250	LOD	0.200	LOQ	mg/kg	J	Rl
SODIUM	72.6	J	20.0	LOD	79.9	LOQ	mg/kg	J	Rl
THALLIUM	0.0749	J	0.0499	LOD	0.200	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP48 **Laboratory: LLL**

EDD Filename: APP48-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU18-S002-00-01 **Collected:** 6/19/2017 2:55:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.208	J	0.200	LOD	0.799	LOQ	mg/kg	J	RI

Sample ID: DU18-S003-00-01 **Collected:** 6/19/2017 1:50:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.183	J	0.0246	LOD	0.197	LOQ	mg/kg	J	RI
SILVER	0.0372	J	0.0492	LOD	0.197	LOQ	mg/kg	J	RI
SODIUM	50.5	J	19.7	LOD	78.7	LOQ	mg/kg	J	RI
THALLIUM	0.102	J	0.0492	LOD	0.197	LOQ	mg/kg	J	RI

Sample ID: DU18-S003-00-01 **Collected:** 6/19/2017 1:50:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.320	J	0.197	LOD	0.787	LOQ	mg/kg	J	RI

Sample ID: DU18-S004-00-01 **Collected:** 6/19/2017 1:45:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	71.2	J	20.4	LOD	81.6	LOQ	mg/kg	J	RI
THALLIUM	0.106	J	0.0510	LOD	0.204	LOQ	mg/kg	J	RI

Sample ID: DU18-S004-00-01 **Collected:** 6/19/2017 1:45:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.111	J	0.204	LOD	0.408	LOQ	mg/kg	J	RI, Fd
SELENIUM	0.348	J	0.204	LOD	0.816	LOQ	mg/kg	J	RI

Sample ID: DU18-S004-00-01D **Collected:** 6/19/2017 1:45:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	76.0	J	22.9	LOD	91.8	LOQ	mg/kg	J	RI
THALLIUM	0.0941	J	0.0574	LOD	0.229	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP48 **Laboratory: LLL**

EDD Filename: APP48-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU18-S004-00-01D **Collected:** 6/19/2017 1:45:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.229	U	0.229	LOD	0.459	LOQ	mg/kg	UJ	Fd
SELENIUM	0.381	J	0.229	LOD	0.918	LOQ	mg/kg	J	RI

Sample ID: DU18-S005-00-01 **Collected:** 6/19/2017 2:50:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.188	J	0.0238	LOD	0.191	LOQ	mg/kg	J	RI
SODIUM	58.6	J	19.1	LOD	76.2	LOQ	mg/kg	J	RI
THALLIUM	0.0551	J	0.0476	LOD	0.191	LOQ	mg/kg	J	RI

Sample ID: DU18-S005-00-01 **Collected:** 6/19/2017 2:50:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.294	J	0.191	LOD	0.762	LOQ	mg/kg	J	RI

Sample ID: DU18-S006-00-01 **Collected:** 6/19/2017 2:45:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.171	J	0.0286	LOD	0.229	LOQ	mg/kg	J	RI
SILVER	0.0402	J	0.0572	LOD	0.229	LOQ	mg/kg	J	RI
SODIUM	63.6	J	22.9	LOD	91.5	LOQ	mg/kg	J	RI
THALLIUM	0.0693	J	0.0572	LOD	0.229	LOQ	mg/kg	J	RI

Sample ID: DU18-S006-00-01 **Collected:** 6/19/2017 2:45:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.226	J	0.229	LOD	0.915	LOQ	mg/kg	J	RI

Sample ID: DU18-S007-00-01 **Collected:** 6/19/2017 1:40:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SILVER	0.0314	J	0.0456	LOD	0.182	LOQ	mg/kg	J	RI
SODIUM	47.1	J	18.2	LOD	73.0	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP48 **Laboratory: LLL**

EDD Filename: APP48-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU18-S007-00-01 **Collected:** 6/19/2017 1:40:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.112	J	0.0456	LOD	0.182	LOQ	mg/kg	J	RI

Sample ID: DU18-S007-00-01 **Collected:** 6/19/2017 1:40:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.104	J	0.182	LOD	0.365	LOQ	mg/kg	J	RI
CADMIUM	0.0403	J	0.0912	LOD	0.182	LOQ	mg/kg	J	RI
SELENIUM	0.391	J	0.182	LOD	0.730	LOQ	mg/kg	J	RI

Sample ID: DU18-S008-00-01 **Collected:** 6/19/2017 1:35:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.212	J	0.0288	LOD	0.231	LOQ	mg/kg	J	RI
SILVER	0.0350	J	0.0576	LOD	0.231	LOQ	mg/kg	J	RI
SODIUM	90.9	J	23.1	LOD	92.2	LOQ	mg/kg	J	RI
THALLIUM	0.0590	J	0.0576	LOD	0.231	LOQ	mg/kg	J	RI

Sample ID: DU18-S008-00-01 **Collected:** 6/19/2017 1:35:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.144	J	0.231	LOD	0.461	LOQ	mg/kg	J	RI
CADMIUM	0.0480	J	0.115	LOD	0.231	LOQ	mg/kg	J	RI
SELENIUM	0.263	J	0.231	LOD	0.922	LOQ	mg/kg	J	RI

Sample ID: DU18-S009-00-01 **Collected:** 6/19/2017 2:25:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SILVER	0.0263	J	0.0444	LOD	0.178	LOQ	mg/kg	J	RI
THALLIUM	0.0850	J	0.0444	LOD	0.178	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP48 **Laboratory: LLL**

EDD Filename: APP48-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU18-S009-00-01 **Collected:** 6/19/2017 2:25:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.153	J	0.178	LOD	0.355	LOQ	mg/kg	J	RI
CADMIUM	0.0766	J	0.0889	LOD	0.178	LOQ	mg/kg	J	RI
SELENIUM	0.302	J	0.178	LOD	0.711	LOQ	mg/kg	J	RI

Sample ID: DU18-S010-00-01 **Collected:** 6/19/2017 2:20:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.178	J	0.0276	LOD	0.221	LOQ	mg/kg	J	RI
SODIUM	81.0	J	22.1	LOD	88.4	LOQ	mg/kg	J	RI
THALLIUM	0.0720	J	0.0552	LOD	0.221	LOQ	mg/kg	J	RI

Sample ID: DU18-S010-00-01 **Collected:** 6/19/2017 2:20:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.127	J	0.221	LOD	0.442	LOQ	mg/kg	J	RI
SELENIUM	0.237	J	0.221	LOD	0.884	LOQ	mg/kg	J	RI

Sample ID: DU18-S011-00-01 **Collected:** 6/19/2017 1:05:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.182	J	0.0308	LOD	0.246	LOQ	mg/kg	J	RI
SILVER	0.0434	J	0.0616	LOD	0.246	LOQ	mg/kg	J	RI
SODIUM	74.8	J	24.6	LOD	98.6	LOQ	mg/kg	J	RI
THALLIUM	0.0628	J	0.0616	LOD	0.246	LOQ	mg/kg	J	RI

Sample ID: DU18-S011-00-01 **Collected:** 6/19/2017 1:05:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.343	J	0.246	LOD	0.986	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP48 **Laboratory: LLL**

EDD Filename: APP48-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU18-S012-00-01 **Collected:** 6/19/2017 1:00:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.198	J	0.0292	LOD	0.233	LOQ	mg/kg	J	RI
SODIUM	69.3	J	23.3	LOD	93.3	LOQ	mg/kg	J	RI
THALLIUM	0.0842	J	0.0583	LOD	0.233	LOQ	mg/kg	J	RI

Sample ID: DU18-S012-00-01 **Collected:** 6/19/2017 1:00:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.128	J	0.233	LOD	0.466	LOQ	mg/kg	J	RI
SELENIUM	0.299	J	0.233	LOD	0.933	LOQ	mg/kg	J	RI

Sample ID: DU18-S013-00-01 **Collected:** 6/19/2017 2:10:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.126	J	0.0522	LOD	0.209	LOQ	mg/kg	J	RI

Sample ID: DU18-S013-00-01 **Collected:** 6/19/2017 2:10:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.116	J	0.104	LOD	0.209	LOQ	mg/kg	J	RI
SELENIUM	0.548	J	0.209	LOD	0.836	LOQ	mg/kg	J	RI

Sample ID: DU18-S014-00-01 **Collected:** 6/19/2017 2:05:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.122	J	0.0253	LOD	0.203	LOQ	mg/kg	J	RI
SODIUM	71.3	J	20.3	LOD	81.1	LOQ	mg/kg	J	RI
THALLIUM	0.0779	J	0.0507	LOD	0.203	LOQ	mg/kg	J	RI

Sample ID: DU18-S014-00-01 **Collected:** 6/19/2017 2:05:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.151	J	0.203	LOD	0.405	LOQ	mg/kg	J	RI
SELENIUM	0.301	J	0.203	LOD	0.811	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP48 **Laboratory: LLL**

EDD Filename: APP48-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix: SOIL**

Sample ID: DU18-S015-00-01 **Collected:** 6/19/2017 1:15:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.190	J	0.0548	LOD	0.219	LOQ	mg/kg	J	RI

Sample ID: DU18-S015-00-01 **Collected:** 6/19/2017 1:15:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.252	J	0.219	LOD	0.876	LOQ	mg/kg	J	RI

Sample ID: DU18-S016-00-01 **Collected:** 6/19/2017 1:10:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	76.8	J	20.1	LOD	80.4	LOQ	mg/kg	J	RI
THALLIUM	0.121	J	0.0502	LOD	0.201	LOQ	mg/kg	J	RI

Sample ID: DU18-S016-00-01 **Collected:** 6/19/2017 1:10:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0498	J	0.100	LOD	0.201	LOQ	mg/kg	J	RI
SELENIUM	0.289	J	0.201	LOD	0.804	LOQ	mg/kg	J	RI

Method Category: METALS

Method: 7199 **Matrix: SOIL**

Sample ID: DU18-S011-00-01 **Collected:** 6/19/2017 1:05:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Hexavalent Chromium [Cr (VI)]	0.47	J	0.50	LOD	0.50	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP48 **Laboratory: LLL**

EDD Filename: APP48-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7471B **Matrix:** SOIL

Sample ID: DU18-S001-00-01 **Collected:** 6/19/2017 3:00:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0240	J	0.0191	LOD	0.115	LOQ	mg/kg	J	RI

Sample ID: DU18-S002-00-01 **Collected:** 6/19/2017 2:55:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0321	J	0.0185	LOD	0.111	LOQ	mg/kg	J	RI

Sample ID: DU18-S003-00-01 **Collected:** 6/19/2017 1:50:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0349	J	0.0190	LOD	0.114	LOQ	mg/kg	J	RI

Sample ID: DU18-S004-00-01 **Collected:** 6/19/2017 1:45:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0306	J	0.0185	LOD	0.111	LOQ	mg/kg	J	RI

Sample ID: DU18-S004-00-01D **Collected:** 6/19/2017 1:45:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0346	J	0.0187	LOD	0.112	LOQ	mg/kg	J	RI

Sample ID: DU18-S005-00-01 **Collected:** 6/19/2017 2:50:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0192	J	0.0172	LOD	0.103	LOQ	mg/kg	J	RI

Sample ID: DU18-S006-00-01 **Collected:** 6/19/2017 2:45:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0290	J	0.0186	LOD	0.112	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP48 **Laboratory: LLL**

EDD Filename: APP48-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7471B **Matrix: SOIL**

Sample ID: DU18-S007-00-01 **Collected:** 6/19/2017 1:40:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0699	J	0.0207	LOD	0.124	LOQ	mg/kg	J	RI

Sample ID: DU18-S008-00-01 **Collected:** 6/19/2017 1:35:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0458	J	0.0200	LOD	0.120	LOQ	mg/kg	J	RI

Sample ID: DU18-S009-00-01 **Collected:** 6/19/2017 2:25:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0494	J	0.0194	LOD	0.116	LOQ	mg/kg	J	RI

Sample ID: DU18-S010-00-01 **Collected:** 6/19/2017 2:20:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0335	J	0.0193	LOD	0.116	LOQ	mg/kg	J	RI

Sample ID: DU18-S011-00-01 **Collected:** 6/19/2017 1:05:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0509	J	0.0212	LOD	0.127	LOQ	mg/kg	J	RI

Sample ID: DU18-S012-00-01 **Collected:** 6/19/2017 1:00:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0389	J	0.0187	LOD	0.112	LOQ	mg/kg	J	RI

Sample ID: DU18-S013-00-01 **Collected:** 6/19/2017 2:10:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0477	J	0.0216	LOD	0.129	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP48 **Laboratory: LLL**

EDD Filename: APP48-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **7471B** ***Matrix:*** **SOIL**

Sample ID: **DU18-S014-00-01** ***Collected:*** **6/19/2017 2:05:00 PM** ***Analysis Type:*** **Initial** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
MERCURY	0.0258	J	0.0198	LOD	0.119	LOQ	mg/kg	J	RI

Sample ID: **DU18-S016-00-01** ***Collected:*** **6/19/2017 1:10:00 PM** ***Analysis Type:*** **Initial** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
MERCURY	0.0180	J	0.0185	LOD	0.111	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP48 **Laboratory: LLL**

EDD Filename: APP48-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Reason Code Legend

Reason Code	*Description*
Fd	Field Duplicate Precision
Ld	Laboratory Duplicate Precision
Ms	Matrix Spike Precision
Ms	Matrix Spike Upper Estimation
Rl	Reporting Limit Trace Value

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP48 **Laboratory: LLL**

EDD Filename: APP48-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**
Matrix: **SOIL**

QC Sample ID (Associated Samples)	*Compound*	*MS %R*	*MSD %R*	*%R Limits*	*RPD (Limits)*	*Affected Compounds*	*Flag*
DU18-S001-00-01MS (Wet) DU18-S001-00-01MSD (Wet) (DU18-S001-00-01)	CALCIUM COPPER LEAD	230 - 289	147 130 133	86.00-118.00 84.00-119.00 84.00-118.00	34 (20.00) 26 (20.00) 34 (20.00)	CALCIUM COPPER LEAD	J (all detects) UJ (all non-detects)
DU18-S001-00-01MS (Wet) DU18-S001-00-01MSD (Wet) (DU18-S001-00-01)	ALUMINUM ARSENIC BARIUM IRON MAGNESIUM MANGANESE VANADIUM ZINC	601 - 121 1074 216 337 200 203	441 137 126 585 222 428 142 209	78.00-124.00 82.00-118.00 86.00-116.00 81.00-124.00 80.00-123.00 85.00-116.00 82.00-116.00 82.00-119.00	- - - - - - - -	ALUMINUM ARSENIC BARIUM IRON MAGNESIUM MANGANESE VANADIUM ZINC	J+(all detects)

Lab Duplicate Outlier Report

Lab Reporting Batch ID: APP48 **Laboratory: LLL**

EDD Filename: APP48-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SOIL

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
DU18-S001-00-01DUP (Wet) (DU18-S001-00-01)	BERYLLIUM CADMIUM POTASSIUM	24 26 21	20.00 20.00 20.00	J (all detects) UJ (all non-detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: APP48 **Laboratory: LLL**

EDD Filename: APP48-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SOIL

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU18-S004-00-01 (Dry)	DU18-S004-00-01D (Dry)			
ALUMINUM	10600	10800	2	30.00	
ARSENIC	2.31	2.71	16	30.00	
BARIUM	16.7	15.2	9	30.00	
BERYLLIUM	0.253	0.238	6	30.00	
CALCIUM	455	390	15	30.00	
CHROMIUM	12.3	12.1	2	30.00	
COBALT	1.84	1.65	11	30.00	
COPPER	3.28	2.58	24	30.00	
IRON	12200	12400	2	30.00	
LEAD	5.93	6.45	8	30.00	No Qualifiers Applied
MAGNESIUM	924	869	6	30.00	
MANGANESE	73.2	73.7	1	30.00	
NICKEL	5.20	5.23	1	30.00	
POTASSIUM	343	322	6	30.00	
SELENIUM	0.348	0.381	9	30.00	
SODIUM	71.2	76.0	7	30.00	
THALLIUM	0.106	0.0941	12	30.00	
VANADIUM	24.2	24.0	1	30.00	
ZINC	16.4	17.4	6	30.00	
ANTIMONY	0.111	0.459 U	200	30.00	J(all detects) UJ(all non-detects)

Method: 7471B
Matrix: SOIL

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU18-S004-00-01 (Dry)	DU18-S004-00-01D (Dry)			
MERCURY	0.0306	0.0346	12	30.00	No Qualifiers Applied

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Reporting Limit Outliers

Lab Reporting Batch ID: APP48 **Laboratory: LLL**

EDD Filename: APP48-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU18-S001-00-01	CADMIUM	J	0.0938	0.216	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.447	0.862	LOQ	mg/kg	
	SODIUM	J	61.3	86.2	LOQ	mg/kg	
	THALLIUM	J	0.0905	0.216	LOQ	mg/kg	
DU18-S002-00-01	ANTIMONY	J	0.108	0.400	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.170	0.200	LOQ	mg/kg	
	SELENIUM	J	0.208	0.799	LOQ	mg/kg	
	SODIUM	J	72.6	79.9	LOQ	mg/kg	
	THALLIUM	J	0.0749	0.200	LOQ	mg/kg	
DU18-S003-00-01	BERYLLIUM	J	0.183	0.197	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.320	0.787	LOQ	mg/kg	
	SILVER	J	0.0372	0.197	LOQ	mg/kg	
	SODIUM	J	50.5	78.7	LOQ	mg/kg	
	THALLIUM	J	0.102	0.197	LOQ	mg/kg	
DU18-S004-00-01	ANTIMONY	J	0.111	0.408	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.348	0.816	LOQ	mg/kg	
	SODIUM	J	71.2	81.6	LOQ	mg/kg	
	THALLIUM	J	0.106	0.204	LOQ	mg/kg	
DU18-S004-00-01D	SELENIUM	J	0.381	0.918	LOQ	mg/kg	J (all detects)
	SODIUM	J	76.0	91.8	LOQ	mg/kg	
	THALLIUM	J	0.0941	0.229	LOQ	mg/kg	
DU18-S005-00-01	BERYLLIUM	J	0.188	0.191	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.294	0.762	LOQ	mg/kg	
	SODIUM	J	58.6	76.2	LOQ	mg/kg	
	THALLIUM	J	0.0551	0.191	LOQ	mg/kg	
DU18-S006-00-01	BERYLLIUM	J	0.171	0.229	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.226	0.915	LOQ	mg/kg	
	SILVER	J	0.0402	0.229	LOQ	mg/kg	
	SODIUM	J	63.6	91.5	LOQ	mg/kg	
	THALLIUM	J	0.0693	0.229	LOQ	mg/kg	
DU18-S007-00-01	ANTIMONY	J	0.104	0.365	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.0403	0.182	LOQ	mg/kg	
	SELENIUM	J	0.391	0.730	LOQ	mg/kg	
	SILVER	J	0.0314	0.182	LOQ	mg/kg	
	SODIUM	J	47.1	73.0	LOQ	mg/kg	
	THALLIUM	J	0.112	0.182	LOQ	mg/kg	
DU18-S008-00-01	ANTIMONY	J	0.144	0.461	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.212	0.231	LOQ	mg/kg	
	CADMIUM	J	0.0480	0.231	LOQ	mg/kg	
	SELENIUM	J	0.263	0.922	LOQ	mg/kg	
	SILVER	J	0.0350	0.231	LOQ	mg/kg	
	SODIUM	J	90.9	92.2	LOQ	mg/kg	
	THALLIUM	J	0.0590	0.231	LOQ	mg/kg	
DU18-S009-00-01	ANTIMONY	J	0.153	0.355	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.0766	0.178	LOQ	mg/kg	
	SELENIUM	J	0.302	0.711	LOQ	mg/kg	
	SILVER	J	0.0263	0.178	LOQ	mg/kg	
	THALLIUM	J	0.0850	0.178	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP48 **Laboratory: LLL**

EDD Filename: APP48-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU18-S010-00-01	ANTIMONY	J	0.127	0.442	LOQ	mg/kg	
	BERYLLIUM	J	0.178	0.221	LOQ	mg/kg	
	SELENIUM	J	0.237	0.884	LOQ	mg/kg	J (all detects)
	SODIUM	J	81.0	88.4	LOQ	mg/kg	
	THALLIUM	J	0.0720	0.221	LOQ	mg/kg	
DU18-S011-00-01	BERYLLIUM	J	0.182	0.246	LOQ	mg/kg	
	SELENIUM	J	0.343	0.986	LOQ	mg/kg	
	SILVER	J	0.0434	0.246	LOQ	mg/kg	J (all detects)
	SODIUM	J	74.8	98.6	LOQ	mg/kg	
	THALLIUM	J	0.0628	0.246	LOQ	mg/kg	
DU18-S012-00-01	ANTIMONY	J	0.128	0.466	LOQ	mg/kg	
	BERYLLIUM	J	0.198	0.233	LOQ	mg/kg	
	SELENIUM	J	0.299	0.933	LOQ	mg/kg	J (all detects)
	SODIUM	J	69.3	93.3	LOQ	mg/kg	
	THALLIUM	J	0.0842	0.233	LOQ	mg/kg	
DU18-S013-00-01	CADMIUM	J	0.116	0.209	LOQ	mg/kg	
	SELENIUM	J	0.548	0.836	LOQ	mg/kg	J (all detects)
	THALLIUM	J	0.126	0.209	LOQ	mg/kg	
DU18-S014-00-01	ANTIMONY	J	0.151	0.405	LOQ	mg/kg	
	BERYLLIUM	J	0.122	0.203	LOQ	mg/kg	
	SELENIUM	J	0.301	0.811	LOQ	mg/kg	J (all detects)
	SODIUM	J	71.3	81.1	LOQ	mg/kg	
	THALLIUM	J	0.0779	0.203	LOQ	mg/kg	
DU18-S015-00-01	SELENIUM	J	0.252	0.876	LOQ	mg/kg	J (all detects)
	THALLIUM	J	0.190	0.219	LOQ	mg/kg	
DU18-S016-00-01	CADMIUM	J	0.0498	0.201	LOQ	mg/kg	
	SELENIUM	J	0.289	0.804	LOQ	mg/kg	J (all detects)
	SODIUM	J	76.8	80.4	LOQ	mg/kg	
	THALLIUM	J	0.121	0.201	LOQ	mg/kg	

Method: 7199

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU18-S011-00-01	Hexavalent Chromium [Cr (VI)]	J	0.47	0.50	LOQ	mg/kg	J (all detects)

Method: 7471B

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU18-S001-00-01	MERCURY	J	0.0240	0.115	LOQ	mg/kg	J (all detects)
DU18-S002-00-01	MERCURY	J	0.0321	0.111	LOQ	mg/kg	J (all detects)
DU18-S003-00-01	MERCURY	J	0.0349	0.114	LOQ	mg/kg	J (all detects)
DU18-S004-00-01	MERCURY	J	0.0306	0.111	LOQ	mg/kg	J (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP48 **Laboratory: LLL**

EDD Filename: APP48-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **7471B**

Matrix: **SOIL**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
DU18-S004-00-01D	MERCURY	J	0.0346	0.112	LOQ	mg/kg	J (all detects)
DU18-S005-00-01	MERCURY	J	0.0192	0.103	LOQ	mg/kg	J (all detects)
DU18-S006-00-01	MERCURY	J	0.0290	0.112	LOQ	mg/kg	J (all detects)
DU18-S007-00-01	MERCURY	J	0.0699	0.124	LOQ	mg/kg	J (all detects)
DU18-S008-00-01	MERCURY	J	0.0458	0.120	LOQ	mg/kg	J (all detects)
DU18-S009-00-01	MERCURY	J	0.0494	0.116	LOQ	mg/kg	J (all detects)
DU18-S010-00-01	MERCURY	J	0.0335	0.116	LOQ	mg/kg	J (all detects)
DU18-S011-00-01	MERCURY	J	0.0509	0.127	LOQ	mg/kg	J (all detects)
DU18-S012-00-01	MERCURY	J	0.0389	0.112	LOQ	mg/kg	J (all detects)
DU18-S013-00-01	MERCURY	J	0.0477	0.129	LOQ	mg/kg	J (all detects)
DU18-S014-00-01	MERCURY	J	0.0258	0.119	LOQ	mg/kg	J (all detects)
DU18-S016-00-01	MERCURY	J	0.0180	0.111	LOQ	mg/kg	J (all detects)

Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page	1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.		
Laboratory SDG:	APP49		
Date(s) of Collection:	June 19th, 2017		
Number/Type Samples & Analyses:	17 soil samples and 1 duplicate for a project-specific list of hexavalent chromium and metals		
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA		
Completed:	November 21, 2017		

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for soil data included in Sample Delivery Group (SDG) APP49. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017.

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✓ Holding times and sample preservation

✗ Laboratory method blank data

✓ Field rinsate blank data

NA Trip blank data

✓ Laboratory control sample (LCS) recoveries

✗ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✓ Surrogate recoveries

✗ Laboratory duplicate results

✗ Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of "J" data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

This data package was revised 11/9/2017 due to the Eurofins SW6020A metals data breach. The majority of the data changes were made to Quality Control (QC) and/or calibration checks, not to actual sample results. The few field sample result changes were due to the originally reported result exceeding the linear calibration range of the instrument; those results were changed to be slightly lower than the upper limit of the calibration range.

In this package, the barium and cadmium LCS percent recoveries were lower in the corrected data package. The percent recovery for antimony in the lower calibration check was not within QC specification. The CCV percent recovery for aluminum was within QC specification in the original report as well as in the corrected package. Qualifiers were changed to "J+" in the barium and cadmium detected results.

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP49 **Laboratory: LLL**

EDD Filename: APP49-B_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Validation Area	*Note*
Technical Holding Times	A
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	SR
Surrogate/Tracer Spikes	N
Matrix Spike/Matrix Spike Duplicates	SR
Laboratory Duplicates	SR
Laboratory Replicates	N
Laboratory Control Samples	SR
Compound Quantitation	SR
Field Duplicates	SR
Field Triplicates	N
Field Blanks	A

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP49 **Laboratory: LLL**

EDD Filename: APP49-B_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SOIL**

Sample ID: **DU17-S001-00-01** ***Collected:*** **6/19/2017 9:45:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	39.9		0.500	LOD	0.999	LOQ	mg/kg	J+	Lcs
CADMIUM	0.0797	J	0.125	LOD	0.250	LOQ	mg/kg	J	Rl, Lcs
SELENIUM	0.513	J	0.250	LOD	0.999	LOQ	mg/kg	J	Rl
THALLIUM	0.102	J	0.0624	LOD	0.250	LOQ	mg/kg	J	Rl

Sample ID: **DU17-S002-00-01** ***Collected:*** **6/19/2017 9:35:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	10500		16.2	LOD	65.0	LOQ	mg/kg	J+	Ms
BARIUM	55.4		0.650	LOD	1.30	LOQ	mg/kg	J+	Lcs
CADMIUM	0.273	J	0.162	LOD	0.325	LOQ	mg/kg	J	Rl, Lcs
IRON	3370		32.5	LOD	65.0	LOQ	mg/kg	J	Ms, Ms, Ms
LEAD	12.1		0.0812	LOD	0.650	LOQ	mg/kg	J-	Ms
MANGANESE	99.2		0.325	LOD	1.30	LOQ	mg/kg	J	Ms, Ms, Ms
SILVER	0.0981	J	0.0812	LOD	0.325	LOQ	mg/kg	J	Rl
SODIUM	117	J	32.5	LOD	130	LOQ	mg/kg	J	Rl
THALLIUM	0.0871	J	0.0812	LOD	0.325	LOQ	mg/kg	J	Rl, Ld
ZINC	20.8		4.87	LOD	9.75	LOQ	mg/kg	J+	Ms

Sample ID: **DU17-S003-00-01** ***Collected:*** **6/19/2017 8:40:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.156	J	0.229	LOD	0.459	LOQ	mg/kg	J	Rl, Fd
BARIUM	13.7		0.459	LOD	0.918	LOQ	mg/kg	J+	Lcs
BERYLLIUM	0.0980	J	0.0287	LOD	0.229	LOQ	mg/kg	J	Rl
CADMIUM	0.115	U	0.115	LOD	0.229	LOQ	mg/kg	UJ	Fd
CALCIUM	521		45.9	LOD	91.8	LOQ	mg/kg	J	Fd
COBALT	0.318		0.115	LOD	0.229	LOQ	mg/kg	J	Fd
NICKEL	1.41		0.229	LOD	0.918	LOQ	mg/kg	J	Fd
SELENIUM	0.240	J	0.229	LOD	0.918	LOQ	mg/kg	J	Rl
SILVER	0.0369	J	0.0574	LOD	0.229	LOQ	mg/kg	J	Rl, Fd
SODIUM	79.2	J	22.9	LOD	91.8	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP49 **Laboratory: LLL**

EDD Filename: APP49-B_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU17-S003-00-01 **Collected:** 6/19/2017 8:40:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.0526	J	0.0574	LOD	0.229	LOQ	mg/kg	J	Rl

Sample ID: DU17-S003-00-01D **Collected:** 6/19/2017 8:40:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.288	U	0.288	LOD	0.576	LOQ	mg/kg	UJ	Fd
BARIUM	15.3		0.576	LOD	1.15	LOQ	mg/kg	J+	Lcs
BERYLLIUM	0.115	J	0.0360	LOD	0.288	LOQ	mg/kg	J	Rl
CADMIUM	0.0587	J	0.144	LOD	0.288	LOQ	mg/kg	J	Rl, Lcs, Fd
CALCIUM	713		57.6	LOD	115	LOQ	mg/kg	J	Fd
COBALT	0.437		0.144	LOD	0.288	LOQ	mg/kg	J	Fd
NICKEL	2.11		0.288	LOD	1.15	LOQ	mg/kg	J	Fd
SELENIUM	0.291	J	0.288	LOD	1.15	LOQ	mg/kg	J	Rl
SILVER	0.0576	J	0.0719	LOD	0.288	LOQ	mg/kg	J	Rl, Fd
SODIUM	76.3	J	28.8	LOD	115	LOQ	mg/kg	J	Rl
THALLIUM	0.0504	J	0.0719	LOD	0.288	LOQ	mg/kg	J	Rl

Sample ID: DU17-S004-00-01 **Collected:** 6/19/2017 9:10:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	41.9		0.504	LOD	1.01	LOQ	mg/kg	J+	Lcs
CADMIUM	0.189	J	0.126	LOD	0.252	LOQ	mg/kg	J	Rl, Lcs
SELENIUM	0.397	J	0.252	LOD	1.01	LOQ	mg/kg	J	Rl
SODIUM	97.7	J	25.2	LOD	101	LOQ	mg/kg	J	Rl
THALLIUM	0.133	J	0.0631	LOD	0.252	LOQ	mg/kg	J	Rl

Sample ID: DU17-S005-00-01 **Collected:** 6/19/2017 11:20:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	24.1		0.476	LOD	0.952	LOQ	mg/kg	J+	Lcs
CADMIUM	0.0690	J	0.119	LOD	0.238	LOQ	mg/kg	J	Rl, Lcs
THALLIUM	0.107	J	0.0595	LOD	0.238	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP49 **Laboratory: LLL**

EDD Filename: APP49-B_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SOIL**

Sample ID: **DU17-S005-00-01** ***Collected:*** **6/19/2017 11:20:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ZINC	5.75	J	3.57	LOD	7.14	LOQ	mg/kg	J	RI

Sample ID: **DU17-S006-00-01** ***Collected:*** **6/19/2017 10:20:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.218	J	0.278	LOD	0.556	LOQ	mg/kg	J	RI
BARIUM	25.1		0.556	LOD	1.11	LOQ	mg/kg	J+	Lcs
BERYLLIUM	0.225	J	0.0347	LOD	0.278	LOQ	mg/kg	J	RI
CADMIUM	0.117	J	0.139	LOD	0.278	LOQ	mg/kg	J	RI, Lcs
SELENIUM	0.810	J	0.278	LOD	1.11	LOQ	mg/kg	J	RI
SILVER	0.0689	J	0.0695	LOD	0.278	LOQ	mg/kg	J	RI
THALLIUM	0.112	J	0.0695	LOD	0.278	LOQ	mg/kg	J	RI

Sample ID: **DU17-S007-00-01** ***Collected:*** **6/19/2017 9:20:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.280	J	0.235	LOD	0.469	LOQ	mg/kg	J	RI
BARIUM	14.0		0.469	LOD	0.938	LOQ	mg/kg	J+	Lcs
BERYLLIUM	0.170	J	0.0293	LOD	0.235	LOQ	mg/kg	J	RI
CADMIUM	0.0582	J	0.117	LOD	0.235	LOQ	mg/kg	J	RI, Lcs
SELENIUM	0.340	J	0.235	LOD	0.938	LOQ	mg/kg	J	RI
SILVER	0.0530	J	0.0586	LOD	0.235	LOQ	mg/kg	J	RI
SODIUM	64.1	J	23.5	LOD	93.8	LOQ	mg/kg	U	Mb
THALLIUM	0.111	J	0.0586	LOD	0.235	LOQ	mg/kg	J	RI

Sample ID: **DU17-S008-00-01** ***Collected:*** **6/19/2017 9:15:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.163	J	0.195	LOD	0.389	LOQ	mg/kg	J	RI
BARIUM	20.5		0.389	LOD	0.779	LOQ	mg/kg	J+	Lcs
CADMIUM	0.0627	J	0.0974	LOD	0.195	LOQ	mg/kg	J	RI, Lcs
SELENIUM	0.342	J	0.195	LOD	0.779	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP49 **Laboratory: LLL**

EDD Filename: APP49-B_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SOIL**

Sample ID: **DU17-S008-00-01** ***Collected:*** **6/19/2017 9:15:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SILVER	0.0351	J	0.0487	LOD	0.195	LOQ	mg/kg	J	Rl
SODIUM	71.0	J	19.5	LOD	77.9	LOQ	mg/kg	U	Mb
THALLIUM	0.123	J	0.0487	LOD	0.195	LOQ	mg/kg	J	Rl

Sample ID: **DU17-S009-00-01** ***Collected:*** **6/19/2017 10:25:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.108	J	0.221	LOD	0.441	LOQ	mg/kg	J	Rl
BARIUM	11.1		0.441	LOD	0.883	LOQ	mg/kg	J+	Lcs
BERYLLIUM	0.156	J	0.0276	LOD	0.221	LOQ	mg/kg	J	Rl
CADMIUM	0.0417	J	0.110	LOD	0.221	LOQ	mg/kg	J	Rl, Lcs
SELENIUM	0.403	J	0.221	LOD	0.883	LOQ	mg/kg	J	Rl
SODIUM	58.4	J	22.1	LOD	88.3	LOQ	mg/kg	U	Mb
THALLIUM	0.140	J	0.0552	LOD	0.221	LOQ	mg/kg	J	Rl

Sample ID: **DU17-S010-00-01** ***Collected:*** **6/19/2017 10:30:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	22.5		0.468	LOD	0.935	LOQ	mg/kg	J+	Lcs
BERYLLIUM	0.202	J	0.0292	LOD	0.234	LOQ	mg/kg	J	Rl
CADMIUM	0.0601	J	0.117	LOD	0.234	LOQ	mg/kg	J	Rl, Lcs
SELENIUM	0.154	J	0.234	LOD	0.935	LOQ	mg/kg	J	Rl
THALLIUM	0.0652	J	0.0584	LOD	0.234	LOQ	mg/kg	J	Rl
ZINC	6.17	J	3.51	LOD	7.01	LOQ	mg/kg	J	Rl

Sample ID: **DU17-S011-00-01** ***Collected:*** **6/19/2017 9:30:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	16.9		0.470	LOD	0.940	LOQ	mg/kg	J+	Lcs
BERYLLIUM	0.213	J	0.0294	LOD	0.235	LOQ	mg/kg	J	Rl
CADMIUM	0.0987	J	0.118	LOD	0.235	LOQ	mg/kg	J	Rl, Lcs
SELENIUM	0.432	J	0.235	LOD	0.940	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP49 **Laboratory: LLL**

EDD Filename: APP49-B_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SOIL**

Sample ID: **DU17-S011-00-01** ***Collected:*** **6/19/2017 9:30:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SILVER	0.0458	J	0.0588	LOD	0.235	LOQ	mg/kg	J	RI
SODIUM	58.4	J	23.5	LOD	94.0	LOQ	mg/kg	U	Mb
THALLIUM	0.111	J	0.0588	LOD	0.235	LOQ	mg/kg	J	RI

Sample ID: **DU17-S012-00-01** ***Collected:*** **6/19/2017 9:25:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.301	J	0.223	LOD	0.447	LOQ	mg/kg	J	RI
BARIUM	52.2		0.447	LOD	0.893	LOQ	mg/kg	J+	Lcs
CADMIUM	0.224		0.112	LOD	0.223	LOQ	mg/kg	J+	Lcs
SELENIUM	0.434	J	0.223	LOD	0.893	LOQ	mg/kg	J	RI
SILVER	0.0389	J	0.0558	LOD	0.223	LOQ	mg/kg	J	RI
SODIUM	76.8	J	22.3	LOD	89.3	LOQ	mg/kg	J	RI
THALLIUM	0.123	J	0.0558	LOD	0.223	LOQ	mg/kg	J	RI

Sample ID: **DU17-S013-00-01** ***Collected:*** **6/19/2017 11:05:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	8.97		0.374	LOD	0.748	LOQ	mg/kg	J+	Lcs
BERYLLIUM	0.0910	J	0.0234	LOD	0.187	LOQ	mg/kg	J	RI
SELENIUM	0.168	J	0.187	LOD	0.748	LOQ	mg/kg	J	RI
SODIUM	49.8	J	18.7	LOD	74.8	LOQ	mg/kg	U	Mb
THALLIUM	0.0649	J	0.0467	LOD	0.187	LOQ	mg/kg	J	RI

Sample ID: **DU17-S014-00-01** ***Collected:*** **6/19/2017 11:00:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.172	J	0.227	LOD	0.454	LOQ	mg/kg	J	RI
BARIUM	11.9		0.454	LOD	0.908	LOQ	mg/kg	J+	Lcs
BERYLLIUM	0.137	J	0.0284	LOD	0.227	LOQ	mg/kg	J	RI
CADMIUM	0.0699	J	0.114	LOD	0.227	LOQ	mg/kg	J	RI, Lcs
SELENIUM	0.371	J	0.227	LOD	0.908	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP49 **Laboratory: LLL**

EDD Filename: APP49-B_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix: SOIL**

Sample ID: DU17-S014-00-01 **Collected:** 6/19/2017 11:00:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SILVER	0.0547	J	0.0568	LOD	0.227	LOQ	mg/kg	J	Rl
SODIUM	61.4	J	22.7	LOD	90.8	LOQ	mg/kg	U	Mb
THALLIUM	0.141	J	0.0568	LOD	0.227	LOQ	mg/kg	J	Rl

Sample ID: DU17-S015-00-01 **Collected:** 6/19/2017 10:50:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.357	J	0.267	LOD	0.535	LOQ	mg/kg	J	Rl
BARIUM	49.4		0.535	LOD	1.07	LOQ	mg/kg	J+	Lcs
CADMIUM	0.183	J	0.134	LOD	0.267	LOQ	mg/kg	J	Rl, Lcs
SELENIUM	0.733	J	0.267	LOD	1.07	LOQ	mg/kg	J	Rl
SODIUM	82.9	J	26.7	LOD	107	LOQ	mg/kg	J	Rl
THALLIUM	0.155	J	0.0669	LOD	0.267	LOQ	mg/kg	J	Rl

Sample ID: DU17-S016-00-01 **Collected:** 6/19/2017 10:45:00 AM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.153	J	0.211	LOD	0.423	LOQ	mg/kg	J	Rl
BARIUM	71.8		0.423	LOD	0.846	LOQ	mg/kg	J+	Lcs
CADMIUM	0.471		0.106	LOD	0.211	LOQ	mg/kg	J+	Lcs
SELENIUM	0.251	J	0.211	LOD	0.846	LOQ	mg/kg	J	Rl
SILVER	0.0727	J	0.0529	LOD	0.211	LOQ	mg/kg	J	Rl
SODIUM	81.9	J	21.1	LOD	84.6	LOQ	mg/kg	J	Rl
THALLIUM	0.122	J	0.0529	LOD	0.211	LOQ	mg/kg	J	Rl

Method Category: METALS

Method: 7471B **Matrix: SOIL**

Sample ID: DU17-S001-00-01 **Collected:** 6/19/2017 9:45:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0561	J	0.0199	LOD	0.119	LOQ	mg/kg	J	Rl, Ld

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP49 **Laboratory: LLL**

EDD Filename: APP49-B_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7471B **Matrix:** SOIL

Sample ID: DU17-S002-00-01 **Collected:** 6/19/2017 9:35:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.150	J	0.0297	LOD	0.178	LOQ	mg/kg	J	RI

Sample ID: DU17-S003-00-01 **Collected:** 6/19/2017 8:40:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0277	J	0.0194	LOD	0.117	LOQ	mg/kg	J	RI, Fd

Sample ID: DU17-S003-00-01D **Collected:** 6/19/2017 8:40:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0508	J	0.0276	LOD	0.166	LOQ	mg/kg	J	RI, Fd

Sample ID: DU17-S004-00-01 **Collected:** 6/19/2017 9:10:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0417	J	0.0200	LOD	0.120	LOQ	mg/kg	J	RI

Sample ID: DU17-S005-00-01 **Collected:** 6/19/2017 11:20:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0489	J	0.0236	LOD	0.142	LOQ	mg/kg	J	RI

Sample ID: DU17-S006-00-01 **Collected:** 6/19/2017 10:20:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0987	J	0.0273	LOD	0.164	LOQ	mg/kg	J	RI

Sample ID: DU17-S007-00-01 **Collected:** 6/19/2017 9:20:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0493	J	0.0199	LOD	0.119	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP49 **Laboratory: LLL**

EDD Filename: APP49-B_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7471B **Matrix:** SOIL

Sample ID: DU17-S008-00-01 **Collected:** 6/19/2017 9:15:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0491	J	0.0190	LOD	0.114	LOQ	mg/kg	J	RI

Sample ID: DU17-S009-00-01 **Collected:** 6/19/2017 10:25:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0441	J	0.0187	LOD	0.112	LOQ	mg/kg	J	RI

Sample ID: DU17-S010-00-01 **Collected:** 6/19/2017 10:30:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0164	J	0.0214	LOD	0.128	LOQ	mg/kg	J	RI

Sample ID: DU17-S011-00-01 **Collected:** 6/19/2017 9:30:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0517	J	0.0201	LOD	0.121	LOQ	mg/kg	J	RI

Sample ID: DU17-S012-00-01 **Collected:** 6/19/2017 9:25:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0309	J	0.0187	LOD	0.112	LOQ	mg/kg	J	RI

Sample ID: DU17-S013-00-01 **Collected:** 6/19/2017 11:05:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0366	J	0.0181	LOD	0.109	LOQ	mg/kg	J	RI

Sample ID: DU17-S014-00-01 **Collected:** 6/19/2017 11:00:00 AM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0530	J	0.0218	LOD	0.131	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP49 **Laboratory: LLL**

EDD Filename: APP49-B_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **7471B** ***Matrix:*** **SOIL**

Sample ID: **DU17-S015-00-01** ***Collected:*** **6/19/2017 10:50:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
MERCURY	0.0417	J	0.0224	LOD	0.135	LOQ	mg/kg	J	RI

Sample ID: **DU17-S016-00-01** ***Collected:*** **6/19/2017 10:45:00 AM** ***Analysis Type:*** **Initial** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
MERCURY	0.0213	J	0.0185	LOD	0.111	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP49 **Laboratory: LLL**

EDD Filename: APP49-B_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Reason Code Legend

Reason Code	*Description*
Fd	Field Duplicate Precision
Lcs	Laboratory Control Spike Upper Estimation
Ld	Laboratory Duplicate Precision
Mb	Method Blank Contamination
Ms	Matrix Spike Lower Estimation
Ms	Matrix Spike Precision
Ms	Matrix Spike Upper Estimation
Rl	Reporting Limit Trace Value

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP49 **Laboratory: LLL**

EDD Filename: APP49-B_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**
Matrix: **SOIL**

QC Sample ID (Associated Samples)	*Compound*	*MS %R*	*MSD %R*	*%R Limits*	*RPD (Limits)*	*Affected Compounds*	*Flag*
DU17-S002-00-01MS (Wet) DU17-S002-00-01MSD (Wet) (DU17-S002-00-01)	IRON MANGANESE	35 -56	300 144	81.00-124.00 85.00-116.00	24 (20.00) 33 (20.00)	IRON MANGANESE	J (all detects) UJ (all non-detects)
DU17-S002-00-01MS (Wet) (DU17-S002-00-01)	LEAD	77	-	84.00-118.00	-	LEAD	J-(all detects) UJ(all non-detects)
DU17-S002-00-01MS (Wet) DU17-S002-00-01MSD (Wet) (DU17-S002-00-01)	ALUMINUM ZINC	276 196	315 183	78.00-124.00 82.00-119.00	- -	ALUMINUM ZINC	J+(all detects)

Lab Duplicate Outlier Report

Lab Reporting Batch ID: APP49 **Laboratory: LLL**

EDD Filename: APP49-B_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 7471B
Matrix: SOIL

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
DU17-S001-00-01DUP (Wet) (DU17-S001-00-01)	MERCURY	22	20.00	J (all detects) UJ (all non-detects)

Method: 6020A
Matrix: SOIL

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
DU17-S002-00-01DUP (Wet) (DU17-S002-00-01)	THALLIUM	29	20.00	J(all detects) UJ(all non-detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: APP49 **Laboratory: LLL**

EDD Filename: APP49-B_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SOIL

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU17-S003-00-01 (Dry)	DU17-S003-00-01D (Dry)			
ALUMINUM	2810	3520	22	30.00	No Qualifiers Applied
ARSENIC	1.39	1.48	6	30.00	
BARIUM	13.7	15.3	11	30.00	
BERYLLIUM	0.0980	0.115	16	30.00	
CHROMIUM	3.44	4.55	28	30.00	
COPPER	2.14	2.53	17	30.00	
IRON	1690	1990	16	30.00	
LEAD	10.3	11.4	10	30.00	
MAGNESIUM	254	304	18	30.00	
MANGANESE	41.3	47.7	14	30.00	
POTASSIUM	294	349	17	30.00	
SELENIUM	0.240	0.291	19	30.00	
SODIUM	79.2	76.3	4	30.00	
THALLIUM	0.0526	0.0504	4	30.00	
VANADIUM	5.27	5.92	12	30.00	
ZINC	7.64	10.0	27	30.00	
ANTIMONY	0.156	0.576 U	200	30.00	J(all detects) UJ(all non-detects)
CADMIUM	0.229 U	0.0587	200	30.00	
CALCIUM	521	713	31	30.00	
COBALT	0.318	0.437	32	30.00	
NICKEL	1.41	2.11	40	30.00	
SILVER	0.0369	0.0576	44	30.00	

Method: 7471B
Matrix: SOIL

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU17-S003-00-01 (Dry)	DU17-S003-00-01D (Dry)			
MERCURY	0.0277	0.0508	59	30.00	J(all detects) UJ(all non-detects)

Project Name and Number: Camp Hero - Camp Hero

Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP49 **Laboratory: LLL**

EDD Filename: APP49-B_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**
Matrix: **SOIL**

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P17863CQ178063703 (Wet) (DU17-S001-00-01 DU17-S002-00-01 DU17-S003-00-01 DU17-S003-00-01D DU17-S004-00-01 DU17-S005-00-01 DU17-S006-00-01 DU17-S007-00-01 DU17-S008-00-01 DU17-S009-00-01 DU17-S010-00-01 DU17-S011-00-01 DU17-S012-00-01 DU17-S013-00-01 DU17-S014-00-01 DU17-S015-00-01 DU17-S016-00-01)	BARIUM CADMIUM	119 117	- -	86.00-116.00 84.00-116.00	- -	BARIUM CADMIUM	J+ (all detects)

Project Name and Number: Camp Hero - Camp Hero

Reporting Limit Outliers

Lab Reporting Batch ID: APP49 **Laboratory: LLL**

EDD Filename: APP49-B_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU17-S001-00-01	CADMIUM	J	0.0797	0.250	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.513	0.999	LOQ	mg/kg	
	THALLIUM	J	0.102	0.250	LOQ	mg/kg	
DU17-S002-00-01	CADMIUM	J	0.273	0.325	LOQ	mg/kg	J (all detects)
	SILVER	J	0.0981	0.325	LOQ	mg/kg	
	SODIUM	J	117	130	LOQ	mg/kg	
	THALLIUM	J	0.0871	0.325	LOQ	mg/kg	
DU17-S003-00-01	ANTIMONY	J	0.156	0.459	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.0980	0.229	LOQ	mg/kg	
	SELENIUM	J	0.240	0.918	LOQ	mg/kg	
	SILVER	J	0.0369	0.229	LOQ	mg/kg	
	SODIUM	J	79.2	91.8	LOQ	mg/kg	
	THALLIUM	J	0.0526	0.229	LOQ	mg/kg	
DU17-S003-00-01D	BERYLLIUM	J	0.115	0.288	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.0587	0.288	LOQ	mg/kg	
	SELENIUM	J	0.291	1.15	LOQ	mg/kg	
	SILVER	J	0.0576	0.288	LOQ	mg/kg	
	SODIUM	J	76.3	115	LOQ	mg/kg	
	THALLIUM	J	0.0504	0.288	LOQ	mg/kg	
DU17-S004-00-01	CADMIUM	J	0.189	0.252	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.397	1.01	LOQ	mg/kg	
	SODIUM	J	97.7	101	LOQ	mg/kg	
	THALLIUM	J	0.133	0.252	LOQ	mg/kg	
DU17-S005-00-01	CADMIUM	J	0.0690	0.238	LOQ	mg/kg	J (all detects)
	THALLIUM	J	0.107	0.238	LOQ	mg/kg	
	ZINC	J	5.75	7.14	LOQ	mg/kg	
DU17-S006-00-01	ANTIMONY	J	0.218	0.556	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.225	0.278	LOQ	mg/kg	
	CADMIUM	J	0.117	0.278	LOQ	mg/kg	
	SELENIUM	J	0.810	1.11	LOQ	mg/kg	
	SILVER	J	0.0689	0.278	LOQ	mg/kg	
	THALLIUM	J	0.112	0.278	LOQ	mg/kg	
DU17-S007-00-01	ANTIMONY	J	0.280	0.469	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.170	0.235	LOQ	mg/kg	
	CADMIUM	J	0.0582	0.235	LOQ	mg/kg	
	SELENIUM	J	0.340	0.938	LOQ	mg/kg	
	SILVER	J	0.0530	0.235	LOQ	mg/kg	
	SODIUM	J	64.1	93.8	LOQ	mg/kg	
	THALLIUM	J	0.111	0.235	LOQ	mg/kg	
DU17-S008-00-01	ANTIMONY	J	0.163	0.389	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.0627	0.195	LOQ	mg/kg	
	SELENIUM	J	0.342	0.779	LOQ	mg/kg	
	SILVER	J	0.0351	0.195	LOQ	mg/kg	
	SODIUM	J	71.0	77.9	LOQ	mg/kg	
	THALLIUM	J	0.123	0.195	LOQ	mg/kg	
DU17-S009-00-01	ANTIMONY	J	0.108	0.441	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.156	0.221	LOQ	mg/kg	
	CADMIUM	J	0.0417	0.221	LOQ	mg/kg	
	SELENIUM	J	0.403	0.883	LOQ	mg/kg	
	SODIUM	J	58.4	88.3	LOQ	mg/kg	
	THALLIUM	J	0.140	0.221	LOQ	mg/kg	

Project Name and Number: Camp Hero - Camp Hero

Reporting Limit Outliers

Lab Reporting Batch ID: APP49 **Laboratory: LLL**

EDD Filename: APP49-B_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU17-S010-00-01	BERYLLIUM	J	0.202	0.234	LOQ	mg/kg	
	CADMIUM	J	0.0601	0.234	LOQ	mg/kg	
	SELENIUM	J	0.154	0.935	LOQ	mg/kg	J (all detects)
	THALLIUM	J	0.0652	0.234	LOQ	mg/kg	
	ZINC	J	6.17	7.01	LOQ	mg/kg	
DU17-S011-00-01	BERYLLIUM	J	0.213	0.235	LOQ	mg/kg	
	CADMIUM	J	0.0987	0.235	LOQ	mg/kg	
	SELENIUM	J	0.432	0.940	LOQ	mg/kg	
	SILVER	J	0.0458	0.235	LOQ	mg/kg	J (all detects)
	SODIUM	J	58.4	94.0	LOQ	mg/kg	
	THALLIUM	J	0.111	0.235	LOQ	mg/kg	
DU17-S012-00-01	ANTIMONY	J	0.301	0.447	LOQ	mg/kg	
	SELENIUM	J	0.434	0.893	LOQ	mg/kg	
	SILVER	J	0.0389	0.223	LOQ	mg/kg	J (all detects)
	SODIUM	J	76.8	89.3	LOQ	mg/kg	
	THALLIUM	J	0.123	0.223	LOQ	mg/kg	
DU17-S013-00-01	BERYLLIUM	J	0.0910	0.187	LOQ	mg/kg	
	SELENIUM	J	0.168	0.748	LOQ	mg/kg	J (all detects)
	SODIUM	J	49.8	74.8	LOQ	mg/kg	
	THALLIUM	J	0.0649	0.187	LOQ	mg/kg	
DU17-S014-00-01	ANTIMONY	J	0.172	0.454	LOQ	mg/kg	
	BERYLLIUM	J	0.137	0.227	LOQ	mg/kg	
	CADMIUM	J	0.0699	0.227	LOQ	mg/kg	
	SELENIUM	J	0.371	0.908	LOQ	mg/kg	J (all detects)
	SILVER	J	0.0547	0.227	LOQ	mg/kg	
	SODIUM	J	61.4	90.8	LOQ	mg/kg	
	THALLIUM	J	0.141	0.227	LOQ	mg/kg	
DU17-S015-00-01	ANTIMONY	J	0.357	0.535	LOQ	mg/kg	
	CADMIUM	J	0.183	0.267	LOQ	mg/kg	
	SELENIUM	J	0.733	1.07	LOQ	mg/kg	J (all detects)
	SODIUM	J	82.9	107	LOQ	mg/kg	
	THALLIUM	J	0.155	0.267	LOQ	mg/kg	
DU17-S016-00-01	ANTIMONY	J	0.153	0.423	LOQ	mg/kg	
	SELENIUM	J	0.251	0.846	LOQ	mg/kg	
	SILVER	J	0.0727	0.211	LOQ	mg/kg	J (all detects)
	SODIUM	J	81.9	84.6	LOQ	mg/kg	
	THALLIUM	J	0.122	0.211	LOQ	mg/kg	

Method: 7471B

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU17-S001-00-01	MERCURY	J	0.0561	0.119	LOQ	mg/kg	J (all detects)
DU17-S002-00-01	MERCURY	J	0.150	0.178	LOQ	mg/kg	J (all detects)
DU17-S003-00-01	MERCURY	J	0.0277	0.117	LOQ	mg/kg	J (all detects)
DU17-S003-00-01D	MERCURY	J	0.0508	0.166	LOQ	mg/kg	J (all detects)
DU17-S004-00-01	MERCURY	J	0.0417	0.120	LOQ	mg/kg	J (all detects)

Project Name and Number: Camp Hero - Camp Hero

Reporting Limit Outliers

Lab Reporting Batch ID: APP49 **Laboratory: LLL**

EDD Filename: APP49-B_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **7471B**

Matrix: **SOIL**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
DU17-S005-00-01	MERCURY	J	0.0489	0.142	LOQ	mg/kg	J (all detects)
DU17-S006-00-01	MERCURY	J	0.0987	0.164	LOQ	mg/kg	J (all detects)
DU17-S007-00-01	MERCURY	J	0.0493	0.119	LOQ	mg/kg	J (all detects)
DU17-S008-00-01	MERCURY	J	0.0491	0.114	LOQ	mg/kg	J (all detects)
DU17-S009-00-01	MERCURY	J	0.0441	0.112	LOQ	mg/kg	J (all detects)
DU17-S010-00-01	MERCURY	J	0.0164	0.128	LOQ	mg/kg	J (all detects)
DU17-S011-00-01	MERCURY	J	0.0517	0.121	LOQ	mg/kg	J (all detects)
DU17-S012-00-01	MERCURY	J	0.0309	0.112	LOQ	mg/kg	J (all detects)
DU17-S013-00-01	MERCURY	J	0.0366	0.109	LOQ	mg/kg	J (all detects)
DU17-S014-00-01	MERCURY	J	0.0530	0.131	LOQ	mg/kg	J (all detects)
DU17-S015-00-01	MERCURY	J	0.0417	0.135	LOQ	mg/kg	J (all detects)
DU17-S016-00-01	MERCURY	J	0.0213	0.111	LOQ	mg/kg	J (all detects)

Method Blank Outlier Report

Lab Reporting Batch ID: APP49 **Laboratory: LLL**

EDD Filename: APP49-B_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**
Matrix: **SOIL**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P17863CB178063703	7/24/2017 10:07:00 AM	SODIUM	14.7 mg/kg	DU17-S001-00-01 DU17-S002-00-01 DU17-S003-00-01 DU17-S003-00-01D DU17-S004-00-01 DU17-S005-00-01 DU17-S006-00-01 DU17-S007-00-01 DU17-S008-00-01 DU17-S009-00-01 DU17-S010-00-01 DU17-S011-00-01 DU17-S012-00-01 DU17-S013-00-01 DU17-S014-00-01 DU17-S015-00-01 DU17-S016-00-01

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
DU17-S007-00-01(Initial)	SODIUM	64.1 mg/kg	93.8U mg/kg
DU17-S008-00-01(Initial)	SODIUM	71.0 mg/kg	77.9U mg/kg
DU17-S009-00-01(Initial)	SODIUM	58.4 mg/kg	88.3U mg/kg
DU17-S011-00-01(Initial)	SODIUM	58.4 mg/kg	94.0U mg/kg
DU17-S013-00-01(Initial)	SODIUM	49.8 mg/kg	74.8U mg/kg
DU17-S014-00-01(Initial)	SODIUM	61.4 mg/kg	90.8U mg/kg

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Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page	1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.		
Laboratory SDG:	APP50		
Date(s) of Collection:	June 19th, 2017		
Number/Type Samples & Analyses:	1 equipment blank for a project-specific list of hexavalent chromium and metals		
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA		
Completed:	November 17th, 2017		

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for FIELDQC data included in Sample Delivery Group (SDG) APP50. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017.

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✓ Holding times and sample preservation

✓ Laboratory method blank data

✓ Field rinsate blank data

NA Trip blank data

✓ Laboratory control sample (LCS) recoveries

NA Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✓ Surrogate recoveries

NA Laboratory duplicate results

NA Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of “J” data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

All the surface water samples were run for regular 8270 and 8270 SIM. The final results will be presented in 8270 SIM.

This data package was revised 11/9/2017 due to the Eurofins SW6020A metals data breach. The majority of the data changes were made to Quality Control (QC) and/or calibration checks, not to actual sample results. The few field sample result changes were due to the originally reported result exceeding the linear calibration range of the instrument; those results were changed to be slightly lower than the upper limit of the calibration range.

In this package, the percent recovery for calcium in the continuing calibration verification was slightly above QC specification and the percent for antimony in the continuing calibration verification was slightly lower than the QC specification.

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP50 **Laboratory: LLL**

EDD Filename: APP50-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Validation Area	*Note*
Technical Holding Times	A
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	A
Surrogate/Tracer Spikes	N
Matrix Spike/Matrix Spike Duplicates	N
Laboratory Duplicates	N
Laboratory Replicates	N
Laboratory Control Samples	A
Compound Quantitation	SR
Field Duplicates	N
Field Triplicates	N
Field Blanks	A

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP50 **Laboratory: LLL**

EDD Filename: APP50-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **EB-061917-01** ***Collected:*** **6/19/2017 3:45:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
CALCIUM	134	J	200	LOD	400	LOQ	ug/l	J	RI
MAGNESIUM	22.5	J	25.0	LOD	200	LOQ	ug/l	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP50 **Laboratory: LLL**

EDD Filename: APP50-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Reason Code Legend

Reason Code	*Description*
RI	Reporting Limit Trace Value

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Reporting Limit Outliers

Lab Reporting Batch ID: APP50 **Laboratory: LLL**

EDD Filename: APP50-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**

Matrix: **WATER**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
EB-061917-01	CALCIUM	J	134	400	LOQ	ug/l	J (all detects)
	MAGNESIUM	J	22.5	200	LOQ	ug/l	

Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page	1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.		
Laboratory SDG:	APP51		
Date(s) of Collection:	June 20th, 2017		
Number/Type Samples & Analyses:	16 soil samples for a project-specific list of SVOCs, PAHs, hexavalent chromium and metals		
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA		
Completed:	August 26th, 2017		

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for soil data included in Sample Delivery Group (SDG) APP51. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017.

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✓ Holding times and sample preservation

✓ Laboratory method blank data

NA Field rinsate blank data

NA Trip blank data

✓ Laboratory control sample (LCS) recoveries

✗ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✗ Surrogate recoveries

✗ Laboratory duplicate results

NA Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of "J" data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

All the soil samples except for DU11-S001-00-01, DU11-S003-00-01, and DU11-S004-00-01 were run for regular 8270D and 8270D SIM. The final results will be presented in 8270D SIM except where noted below.

Analytes were over calibration in method 8270D in sample DU11-S003-00-01 (anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, fluoranthene, phenanthrene, and pyrene). The sample was diluted and re-analyzed. All results will be presented in the undiluted except for the analytes that were over calibration.

Samples DU11-S005-00-01 and DU11-S006-00-01 in method 8270D have low surrogate recoveries and the samples were re-extracted outside the method required holding time with acceptable surrogate recoveries. The re-extract reporting limits were raised due to interference from the sample matrix. Both set of results are comparable. The initial results will be presented as the final results.

An analytes was over calibration in method 8270D SIM in sample DU11-S002-00-01 (fluoranthene), The sample was diluted and re-analyzed. All results will be presented in the undiluted except for the analytes that were over calibration.

Samples DU11-S008-00-01, DU11-S011-00-01, DU11-S012-00-01, DU11-S013-00-01, DU11-S014-00-01, DU11-S015-00-01 were analyzed for 8270D SIM however the SECC exceeded the +/- 50% of the expected value from the ICAL and internal standards was outside acceptable limits. Sample and the internal standards were analyzed and the internal standards were once again outside the limits which indicated a matrix effect. Both set of results are comparable. The initial results will be presented.

Analytes were over calibration in method 8270D SIM in samples DU11-S005-00-01 (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, fluoranthene, phenanthrene, and pyrene). The sample was diluted and analytes were within calibration. All final results will be presented in 8270D in the initial run.

Sample DU11-S010-00-01 was analyzed for 8270D SIM however the internal standards were outside the QC acceptance limits and several analytes were over calibration. (benzo(b)fluoranthene, fluoranthene and pyrene) The sample was re-analyzed and the internal standards were again outside QC acceptance limits. The sample was diluted and the analytes were within calibration. All results for these analytes will be presented in method 8270D.

Sample DU11-S006-00-01 in method 8270D SIM had low surrogate recovery and the sample was reinjected and 3 analytes were over calibration (benzo(b)fluoranthene, fluoranthene, and pyrene). The sample was then diluted and all three analytes were within calibration. Final results will be presented in the method 8270D initial results.

Analytes were over calibration for sample DU11-S007-00-01 (fluoranthene) and the sample was diluted but had low surrogate recovery. The sample was re-analyzed and had low surrogate recovery again but several analytes were over calibration (benzo(b)fluoranthene, fluoranthene, phenanthrene, and pyrene). The sample was diluted and analyzed for a fourth time and the four analytes were with calibration. Final results will be presented in 8270D results.

Sample DU11-S009-00-01 in method 8270D SIM had low surrogate recovery and the sample was reinjected and the surrogate recovery was outside acceptance limits again. The samples re-extracted outside the method required holding time with acceptable surrogate recovery. The re-extract reporting limits were raised due to interference from the sample matrix. Final results will be presented in 8270D results except for 1-methylnaphthalene and 2-methylnaphthalene which will be presented in the 8270D SIM re-analysis.

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Validation Area	*Note*
Technical Holding Times	SR
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	SR
Surrogate/Tracer Spikes	SR
Matrix Spike/Matrix Spike Duplicates	SR
Laboratory Duplicates	SR
Laboratory Replicates	N
Laboratory Control Samples	A
Compound Quantitation	SR
Field Duplicates	N
Field Triplicates	N
Field Blanks	A

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU11-S001-00-01 **Collected:** 6/20/2017 1:10:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0522	J	0.115	LOD	0.230	LOQ	mg/kg	J	Rl
SELENIUM	0.475	J	0.230	LOD	0.920	LOQ	mg/kg	J	Rl
THALLIUM	0.0885	J	0.0575	LOD	0.230	LOQ	mg/kg	J	Rl
SILVER	0.0478	J	0.0575	LOD	0.230	LOQ	mg/kg	J	Rl

Sample ID: DU11-S001-00-01 **Collected:** 6/20/2017 1:10:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.169	J	0.230	LOD	0.460	LOQ	mg/kg	J	Rl

Sample ID: DU11-S002-00-01 **Collected:** 6/20/2017 1:15:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	8490		7.66	LOD	30.6	LOQ	mg/kg	J	Ms, Ld
ARSENIC	2.20		0.306	LOD	0.613	LOQ	mg/kg	J	Ms, Ld
BARIUM	10.4		0.306	LOD	0.613	LOQ	mg/kg	J+	Ms
BERYLLIUM	0.376		0.0191	LOD	0.153	LOQ	mg/kg	J	Ms, Ld
CHROMIUM	6.31		0.306	LOD	0.613	LOQ	mg/kg	J	Ld
COPPER	2.11		0.153	LOD	0.613	LOQ	mg/kg	J	Ms, Ld
IRON	4340		15.3	LOD	30.6	LOQ	mg/kg	J+	Ms
LEAD	5.94		0.0383	LOD	0.306	LOQ	mg/kg	J+	Ms
MAGNESIUM	854		7.66	LOD	30.6	LOQ	mg/kg	J	Ms, Ld
MANGANESE	28.5		0.153	LOD	0.613	LOQ	mg/kg	J+	Ms
NICKEL	3.30		0.153	LOD	0.613	LOQ	mg/kg	J	Ld
SODIUM	481		15.3	LOD	61.3	LOQ	mg/kg	J	Ld
THALLIUM	0.0418	J	0.0383	LOD	0.153	LOQ	mg/kg	J	Rl, Ld
VANADIUM	6.72		0.0766	LOD	0.153	LOQ	mg/kg	J+	Ms
ZINC	7.12		2.30	LOD	4.60	LOQ	mg/kg	J+	Ms

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU11-S002-00-01 **Collected:** 6/20/2017 1:15:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	5170		30.6	LOD	61.3	LOQ	mg/kg	J	Ms, Ld

Sample ID: DU11-S003-00-01 **Collected:** 6/20/2017 2:30:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.140	J	0.0945	LOD	0.189	LOQ	mg/kg	J	Rl
SELENIUM	0.428	J	0.189	LOD	0.756	LOQ	mg/kg	J	Rl
SILVER	0.0295	J	0.0473	LOD	0.189	LOQ	mg/kg	J	Rl
THALLIUM	0.111	J	0.0473	LOD	0.189	LOQ	mg/kg	J	Rl

Sample ID: DU11-S004-00-01 **Collected:** 6/20/2017 2:45:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0934	J	0.0914	LOD	0.183	LOQ	mg/kg	J	Rl
SELENIUM	0.475	J	0.183	LOD	0.731	LOQ	mg/kg	J	Rl
SILVER	0.0280	J	0.0457	LOD	0.183	LOQ	mg/kg	J	Rl
SODIUM	89.0		18.3	LOD	73.1	LOQ	mg/kg	U	Mb
THALLIUM	0.130	J	0.0457	LOD	0.183	LOQ	mg/kg	J	Rl

Sample ID: DU11-S005-00-01 **Collected:** 6/20/2017 12:50:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0676	J	0.113	LOD	0.227	LOQ	mg/kg	J	Rl
SELENIUM	0.265	J	0.227	LOD	0.908	LOQ	mg/kg	J	Rl
SILVER	0.0420	J	0.0567	LOD	0.227	LOQ	mg/kg	J	Rl
THALLIUM	0.117	J	0.0567	LOD	0.227	LOQ	mg/kg	J	Rl

Sample ID: DU11-S006-00-01 **Collected:** 6/20/2017 3:15:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.466	J	0.0661	LOD	0.529	LOQ	mg/kg	J	Rl
CADMIUM	0.292	J	0.264	LOD	0.529	LOQ	mg/kg	J	Rl
SELENIUM	1.52	J	0.529	LOD	2.11	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU11-S006-00-01 **Collected:** 6/20/2017 3:15:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SILVER	0.132	J	0.132	LOD	0.529	LOQ	mg/kg	J	RI
THALLIUM	0.189	J	0.132	LOD	0.529	LOQ	mg/kg	J	RI

Sample ID: DU11-S006-00-01 **Collected:** 6/20/2017 3:15:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.269	J	0.529	LOD	1.06	LOQ	mg/kg	J	RI

Sample ID: DU11-S007-00-01 **Collected:** 6/20/2017 3:30:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.195	J	0.128	LOD	0.257	LOQ	mg/kg	J	RI
SELENIUM	1.01	J	0.257	LOD	1.03	LOQ	mg/kg	J	RI
SILVER	0.0642	J	0.0642	LOD	0.257	LOQ	mg/kg	J	RI
THALLIUM	0.0968	J	0.0642	LOD	0.257	LOQ	mg/kg	J	RI

Sample ID: DU11-S007-00-01 **Collected:** 6/20/2017 3:30:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.280	J	0.257	LOD	0.513	LOQ	mg/kg	J	RI

Sample ID: DU11-S008-00-01 **Collected:** 6/20/2017 2:05:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0391	J	0.0936	LOD	0.187	LOQ	mg/kg	J	RI
SELENIUM	0.292	J	0.187	LOD	0.748	LOQ	mg/kg	J	RI
THALLIUM	0.107	J	0.0468	LOD	0.187	LOQ	mg/kg	J	RI

Sample ID: DU11-S009-00-01 **Collected:** 6/20/2017 12:45:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0598	J	0.0862	LOD	0.172	LOQ	mg/kg	J	RI
SELENIUM	0.288	J	0.172	LOD	0.689	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU11-S009-00-01 **Collected:** 6/20/2017 12:45:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	62.3	J	17.2	LOD	68.9	LOQ	mg/kg	U	Mb
THALLIUM	0.109	J	0.0431	LOD	0.172	LOQ	mg/kg	J	RI

Sample ID: DU11-S010-00-01 **Collected:** 6/20/2017 1:45:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0844	J	0.118	LOD	0.236	LOQ	mg/kg	J	RI
SELENIUM	0.370	J	0.236	LOD	0.943	LOQ	mg/kg	J	RI
SODIUM	81.6	J	23.6	LOD	94.3	LOQ	mg/kg	U	Mb
THALLIUM	0.0708	J	0.0590	LOD	0.236	LOQ	mg/kg	J	RI

Sample ID: DU11-S011-00-01 **Collected:** 6/20/2017 1:40:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0360	J	0.0833	LOD	0.167	LOQ	mg/kg	J	RI
SELENIUM	0.257	J	0.167	LOD	0.667	LOQ	mg/kg	J	RI
SILVER	0.0333	J	0.0417	LOD	0.167	LOQ	mg/kg	J	RI
SODIUM	86.6		16.7	LOD	66.7	LOQ	mg/kg	U	Mb
THALLIUM	0.135	J	0.0417	LOD	0.167	LOQ	mg/kg	J	RI

Sample ID: DU11-S012-00-01 **Collected:** 6/20/2017 2:15:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0343	J	0.0874	LOD	0.175	LOQ	mg/kg	J	RI
SELENIUM	0.392	J	0.175	LOD	0.699	LOQ	mg/kg	J	RI
SODIUM	67.9	J	17.5	LOD	69.9	LOQ	mg/kg	U	Mb
THALLIUM	0.148	J	0.0437	LOD	0.175	LOQ	mg/kg	J	RI

Sample ID: DU11-S013-00-01 **Collected:** 6/20/2017 12:40:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0357	J	0.0812	LOD	0.162	LOQ	mg/kg	J	RI
SELENIUM	0.130	J	0.162	LOD	0.650	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU11-S013-00-01 **Collected:** 6/20/2017 12:40:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	65.3		16.2	LOD	65.0	LOQ	mg/kg	U	Mb
THALLIUM	0.0931	J	0.0406	LOD	0.162	LOQ	mg/kg	J	Rl

Sample ID: DU11-S014-00-01 **Collected:** 6/20/2017 1:20:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.104	J	0.0884	LOD	0.177	LOQ	mg/kg	J	Rl
SELENIUM	0.431	J	0.177	LOD	0.707	LOQ	mg/kg	J	Rl
SILVER	0.0391	J	0.0442	LOD	0.177	LOQ	mg/kg	J	Rl
SODIUM	81.2		17.7	LOD	70.7	LOQ	mg/kg	U	Mb
THALLIUM	0.102	J	0.0442	LOD	0.177	LOQ	mg/kg	J	Rl

Sample ID: DU11-S015-00-01 **Collected:** 6/20/2017 1:25:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0401	J	0.104	LOD	0.208	LOQ	mg/kg	J	Rl
SELENIUM	0.291	J	0.208	LOD	0.830	LOQ	mg/kg	J	Rl
SILVER	0.0411	J	0.0519	LOD	0.208	LOQ	mg/kg	J	Rl
SODIUM	59.8	J	20.8	LOD	83.0	LOQ	mg/kg	U	Mb
THALLIUM	0.0866	J	0.0519	LOD	0.208	LOQ	mg/kg	J	Rl

Sample ID: DU11-S016-00-01 **Collected:** 6/20/2017 3:00:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.159	J	0.0229	LOD	0.183	LOQ	mg/kg	J	Rl
SELENIUM	0.371	J	0.183	LOD	0.732	LOQ	mg/kg	J	Rl
SILVER	0.0750	J	0.0457	LOD	0.183	LOQ	mg/kg	J	Rl
SODIUM	53.8	J	18.3	LOD	73.2	LOQ	mg/kg	U	Mb
THALLIUM	0.0499	J	0.0457	LOD	0.183	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7471B **Matrix:** SOIL

Sample ID: DU11-S001-00-01 **Collected:** 6/20/2017 1:10:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0569	J	0.0228	LOD	0.137	LOQ	mg/kg	J	RI

Sample ID: DU11-S003-00-01 **Collected:** 6/20/2017 2:30:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0195	J	0.0181	LOD	0.109	LOQ	mg/kg	J	RI

Sample ID: DU11-S004-00-01 **Collected:** 6/20/2017 2:45:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0283	J	0.0186	LOD	0.112	LOQ	mg/kg	J	RI

Sample ID: DU11-S005-00-01 **Collected:** 6/20/2017 12:50:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0494	J	0.0205	LOD	0.123	LOQ	mg/kg	J	RI

Sample ID: DU11-S006-00-01 **Collected:** 6/20/2017 3:15:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.157	J	0.0498	LOD	0.299	LOQ	mg/kg	J	RI

Sample ID: DU11-S007-00-01 **Collected:** 6/20/2017 3:30:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0842	J	0.0221	LOD	0.133	LOQ	mg/kg	J	RI

Sample ID: DU11-S008-00-01 **Collected:** 6/20/2017 2:05:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0226	J	0.0192	LOD	0.115	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7471B **Matrix:** SOIL

Sample ID: DU11-S009-00-01 **Collected:** 6/20/2017 12:45:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0196	J	0.0180	LOD	0.108	LOQ	mg/kg	J	RI

Sample ID: DU11-S010-00-01 **Collected:** 6/20/2017 1:45:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0382	J	0.0224	LOD	0.135	LOQ	mg/kg	J	RI

Sample ID: DU11-S011-00-01 **Collected:** 6/20/2017 1:40:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0404	J	0.0181	LOD	0.108	LOQ	mg/kg	J	RI

Sample ID: DU11-S012-00-01 **Collected:** 6/20/2017 2:15:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0255	J	0.0185	LOD	0.111	LOQ	mg/kg	J	RI

Sample ID: DU11-S014-00-01 **Collected:** 6/20/2017 1:20:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0531	J	0.0189	LOD	0.113	LOQ	mg/kg	J	RI

Sample ID: DU11-S015-00-01 **Collected:** 6/20/2017 1:25:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0458	J	0.0182	LOD	0.109	LOQ	mg/kg	J	RI

Sample ID: DU11-S016-00-01 **Collected:** 6/20/2017 3:00:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.0431	J	0.0202	LOD	0.121	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU11-S001-00-01 **Collected:** 6/20/2017 1:10:00 PM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.031	J	0.047	LOD	0.047	LOQ	mg/kg	J	RI
BENZOIC ACID	0.40	J	0.70	LOD	0.70	LOQ	mg/kg	J	RI

Sample ID: DU11-S001-00-01 **Collected:** 6/20/2017 1:10:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZALDEHYDE	0.13	J	0.19	LOD	0.23	LOQ	mg/kg	J	RI

Sample ID: DU11-S002-00-01 **Collected:** 6/20/2017 1:15:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.004	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
2-METHYLNAPHTHALENE	0.005	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHENE	0.020		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.015	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.059		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.22		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.13		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.20		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.30		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.12		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
CARBAZOLE	0.017	J	0.034	LOD	0.034	LOQ	mg/kg	J	RI
CHRYSENE	0.23		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.045		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.43		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.022		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.12		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.009	J	0.007	LOD	0.018	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.21		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.37		0.007	LOD	0.018	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **SOIL**

Sample ID: **DU11-S003-00-01** ***Collected:*** **6/20/2017 2:30:00 PM** ***Analysis Type:*** **Dilution-01** ***Dilution:*** **200**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	7.3	U	7.3	LOD	7.3	LOQ	mg/kg	NP	ProfJudg
2-Methylphenol (o-Cresol)	7.3	U	7.3	LOD	7.3	LOQ	mg/kg	NP	ProfJudg
4-Chloroaniline [p-Chloroaniline]	15	U	15	LOD	15	LOQ	mg/kg	NP	ProfJudg

Sample ID: **DU11-S003-00-01** ***Collected:*** **6/20/2017 2:30:00 PM** ***Analysis Type:*** **Dilution-01-ACID** ***Dilution:*** **200**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	7.3	U	7.3	LOD	7.3	LOQ	mg/kg	NP	ProfJudg
4-CHLORO-3-METHYLPHENOL	7.3	U	7.3	LOD	7.3	LOQ	mg/kg	NP	ProfJudg
BENZOIC ACID	110	U	110	LOD	110	LOQ	mg/kg	NP	ProfJudg

Sample ID: **DU11-S003-00-01** ***Collected:*** **6/20/2017 2:30:00 PM** ***Analysis Type:*** **Dilution-01-BASE/ NEUTRAL** ***Dilution:*** **200**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	7.3	U	7.3	LOD	7.3	LOQ	mg/kg	NP	ProfJudg
1-METHYLNAPHTHALENE	11		1.5	LOD	3.7	LOQ	mg/kg	NP	ProfJudg
2-CHLORONAPHTHALENE	2.9	U	2.9	LOD	7.3	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	12		1.5	LOD	3.7	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	61		1.5	LOD	3.7	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	1.7	J	1.5	LOD	3.7	LOQ	mg/kg	NP	RI, ProfJudg
BENZALDEHYDE	29	U	29	LOD	37	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	82		1.5	LOD	3.7	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	110		1.5	LOD	3.7	LOQ	mg/kg	NP	ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	29	U	29	LOD	37	LOQ	mg/kg	NP	ProfJudg
Butyl benzyl phthalate	29	U	29	LOD	37	LOQ	mg/kg	NP	ProfJudg
CAPROLACTAM	29	U	29	LOD	37	LOQ	mg/kg	NP	ProfJudg
CARBAZOLE	34		7.3	LOD	7.3	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	28		1.5	LOD	3.7	LOQ	mg/kg	NP	ProfJudg
DIBENZOFURAN	46		7.3	LOD	7.3	LOQ	mg/kg	NP	ProfJudg
DIETHYL PHTHALATE	29	U	29	LOD	37	LOQ	mg/kg	NP	ProfJudg
DIMETHYL PHTHALATE	29	U	29	LOD	37	LOQ	mg/kg	NP	ProfJudg
DI-N-BUTYL PHTHALATE	29	U	29	LOD	37	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU11-S003-00-01 **Collected:** 6/20/2017 2:30:00 PM **Analysis Type:** Dilution-01-BASE/NEUTRAL **Dilution:** 200

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DI-N-OCTYL PHTHALATE	29	U	29	LOD	37	LOQ	mg/kg	NP	ProfJudg
FLUORENE	78		1.5	LOD	3.7	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	89		1.5	LOD	3.7	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	20		1.5	LOD	3.7	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU11-S003-00-01 **Collected:** 6/20/2017 2:30:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 20

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	180	E	0.15	LOD	0.37	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	230	E	0.15	LOD	0.37	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	160	E	0.15	LOD	0.37	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	230	E	0.15	LOD	0.37	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	190	E	0.15	LOD	0.37	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	350	E	0.15	LOD	0.37	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	330	E	0.15	LOD	0.37	LOQ	mg/kg	NP	ProfJudg
PYRENE	320	E	0.15	LOD	0.37	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU11-S005-00-01 **Collected:** 6/20/2017 12:50:00 PM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.37	J	0.61	LOD	0.61	LOQ	mg/kg	J	RI

Sample ID: DU11-S005-00-01 **Collected:** 6/20/2017 12:50:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.014	J	0.008	LOD	0.021	LOQ	mg/kg	J	RI
2-METHYLNAPHTHALENE	0.010	J	0.008	LOD	0.021	LOQ	mg/kg	J	RI
BENZALDEHYDE	0.10	J	0.16	LOD	0.20	LOQ	mg/kg	J	RI
DIBENZOFURAN	0.028	J	0.041	LOD	0.041	LOQ	mg/kg	J	RI
NAPHTHALENE	0.018	J	0.008	LOD	0.021	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU11-S005-00-01-X **Collected:** 6/20/2017 12:50:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	0.21	U	0.21	LOD	0.21	LOQ	mg/kg	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	0.21	U	0.21	LOD	0.21	LOQ	mg/kg	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	0.41	U	0.41	LOD	0.41	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: DU11-S005-00-01-X **Collected:** 6/20/2017 12:50:00 PM **Analysis Type:** Reanalysis-01-ACID **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.21	U	0.21	LOD	0.21	LOQ	mg/kg	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	0.21	U	0.21	LOD	0.21	LOQ	mg/kg	NP	StoE, ProfJudg
BENZOIC ACID	2.6	J	3.1	LOD	3.1	LOQ	mg/kg	NP	RI, StoE, ProfJudg

Sample ID: DU11-S005-00-01-X **Collected:** 6/20/2017 12:50:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	0.21	U	0.21	LOD	0.21	LOQ	mg/kg	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.025	J	0.041	LOD	0.11	LOQ	mg/kg	NP	RI, StoE, ProfJudg
2-CHLORONAPHTHALENE	0.082	U	0.082	LOD	0.20	LOQ	mg/kg	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.026	J	0.041	LOD	0.11	LOQ	mg/kg	NP	RI, StoE, ProfJudg
ACENAPHTHENE	0.11		0.041	LOD	0.11	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.037	J	0.041	LOD	0.11	LOQ	mg/kg	NP	RI, StoE, ProfJudg
ANTHRACENE	0.29		0.041	LOD	0.11	LOQ	mg/kg	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.86		0.041	LOD	0.11	LOQ	mg/kg	NP	StoE, ProfJudg
BENZALDEHYDE	0.82	U	0.82	LOD	1.0	LOQ	mg/kg	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.58		0.041	LOD	0.11	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.93		0.041	LOD	0.11	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	1.5		0.041	LOD	0.11	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.52		0.041	LOD	0.11	LOQ	mg/kg	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	0.82	U	0.82	LOD	1.1	LOQ	mg/kg	NP	StoE, ProfJudg
Butyl benzyl phthalate	0.82	U	0.82	LOD	1.0	LOQ	mg/kg	NP	StoE, ProfJudg
CAPROLACTAM	0.82	U	0.82	LOD	1.0	LOQ	mg/kg	NP	StoE, ProfJudg
CARBAZOLE	0.14	J	0.21	LOD	0.21	LOQ	mg/kg	NP	RI, StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU11-S005-00-01-X **Collected:** 6/20/2017 12:50:00 PM **Analysis Type:** Reanalysis-01-BASE/NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	1.0		0.041	LOD	0.11	LOQ	mg/kg	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.18		0.041	LOD	0.11	LOQ	mg/kg	NP	StoE, ProfJudg
DIBENZOFURAN	0.21	U	0.21	LOD	0.21	LOQ	mg/kg	NP	StoE, ProfJudg
DIETHYL PHTHALATE	0.82	U	0.82	LOD	1.0	LOQ	mg/kg	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	0.82	U	0.82	LOD	1.0	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	0.82	U	0.82	LOD	1.0	LOQ	mg/kg	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	0.82	U	0.82	LOD	1.0	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORANTHENE	2.3		0.041	LOD	0.11	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORENE	0.12		0.041	LOD	0.11	LOQ	mg/kg	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.57		0.041	LOD	0.11	LOQ	mg/kg	NP	StoE, ProfJudg
NAPHTHALENE	0.053	J	0.041	LOD	0.11	LOQ	mg/kg	NP	RI, StoE, ProfJudg
PHENANTHRENE	1.3		0.041	LOD	0.11	LOQ	mg/kg	NP	StoE, ProfJudg
PYRENE	1.7		0.041	LOD	0.11	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: DU11-S006-00-01 **Collected:** 6/20/2017 3:15:00 PM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.51	J	1.5	LOD	1.5	LOQ	mg/kg	J	RI

Sample ID: DU11-S006-00-01 **Collected:** 6/20/2017 3:15:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	0.10	U	0.10	LOD	0.10	LOQ	mg/kg	UJ	Surr
1-METHYLNAPHTHALENE	0.014	J	0.020	LOD	0.051	LOQ	mg/kg	J	RI, Surr
2-CHLORONAPHTHALENE	0.040	U	0.040	LOD	0.10	LOQ	mg/kg	UJ	Surr
2-METHYLNAPHTHALENE	0.016	J	0.020	LOD	0.051	LOQ	mg/kg	J	RI, Surr
ACENAPHTHENE	0.11		0.020	LOD	0.051	LOQ	mg/kg	J-	Surr
ACENAPHTHYLENE	0.48		0.020	LOD	0.051	LOQ	mg/kg	J-	Surr
ANTHRACENE	0.22		0.020	LOD	0.051	LOQ	mg/kg	J-	Surr
BENZ(A)ANTHRACENE	0.64		0.020	LOD	0.051	LOQ	mg/kg	J-	Surr
BENZALDEHYDE	0.21	J	0.40	LOD	0.50	LOQ	mg/kg	J	RI, Surr
Benzo (g,h,i) perylene	0.37		0.020	LOD	0.051	LOQ	mg/kg	J-	Surr

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU11-S006-00-01 **Collected:** 6/20/2017 3:15:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(A)PYRENE	0.58		0.020	LOD	0.051	LOQ	mg/kg	J-	Surr
BENZO(B)FLUORANTHENE	0.92		0.020	LOD	0.051	LOQ	mg/kg	J-	Surr
BENZO(K)FLUORANTHENE	0.39		0.020	LOD	0.051	LOQ	mg/kg	J-	Surr
BIS(2-ETHYLHEXYL) PHTHALATE	0.40	U	0.40	LOD	0.51	LOQ	mg/kg	UJ	Surr
Butyl benzyl phthalate	0.40	U	0.40	LOD	0.50	LOQ	mg/kg	UJ	Surr
CAPROLACTAM	0.40	U	0.40	LOD	0.50	LOQ	mg/kg	UJ	Surr
CARBAZOLE	0.11		0.10	LOD	0.10	LOQ	mg/kg	J-	Surr
CHRYSENE	0.76		0.020	LOD	0.051	LOQ	mg/kg	J-	Surr
DIBENZO(A,H)ANTHRACENE	0.12		0.020	LOD	0.051	LOQ	mg/kg	J-	Surr
DIBENZOFURAN	0.10	U	0.10	LOD	0.10	LOQ	mg/kg	UJ	Surr
DIETHYL PHTHALATE	0.40	U	0.40	LOD	0.50	LOQ	mg/kg	UJ	Surr
DIMETHYL PHTHALATE	0.40	U	0.40	LOD	0.50	LOQ	mg/kg	UJ	Surr
DI-N-BUTYL PHTHALATE	0.40	U	0.40	LOD	0.50	LOQ	mg/kg	UJ	Surr
DI-N-OCTYL PHTHALATE	0.40	U	0.40	LOD	0.50	LOQ	mg/kg	UJ	Surr
FLUORANTHENE	1.5		0.020	LOD	0.051	LOQ	mg/kg	J-	Surr
FLUORENE	0.11		0.020	LOD	0.051	LOQ	mg/kg	J-	Surr
INDENO(1,2,3-CD)PYRENE	0.39		0.020	LOD	0.051	LOQ	mg/kg	J-	Surr
NAPHTHALENE	0.034	J	0.020	LOD	0.051	LOQ	mg/kg	J	RI, Surr
PHENANTHRENE	0.69		0.020	LOD	0.051	LOQ	mg/kg	J-	Surr
PYRENE	1.3		0.020	LOD	0.051	LOQ	mg/kg	J-	Surr

Sample ID: DU11-S006-00-01-X **Collected:** 6/20/2017 3:15:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	1.0	U	1.0	LOD	1.0	LOQ	mg/kg	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	1.0	U	1.0	LOD	1.0	LOQ	mg/kg	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	2.0	U	2.0	LOD	2.0	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: DU11-S006-00-01-X **Collected:** 6/20/2017 3:15:00 PM **Analysis Type:** Reanalysis-01-ACID **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.0	U	1.0	LOD	1.0	LOQ	mg/kg	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU11-S006-00-01-X **Collected:** 6/20/2017 3:15:00 PM **Analysis Type:** Reanalysis-01-ACID **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
4-CHLORO-3-METHYLPHENOL	1.0	U	1.0	LOD	1.0	LOQ	mg/kg	NP	StoE, ProfJudg
BENZOIC ACID	12	J	15	LOD	15	LOQ	mg/kg	NP	RI, StoE, ProfJudg

Sample ID: DU11-S006-00-01-X **Collected:** 6/20/2017 3:15:00 PM **Analysis Type:** Reanalysis-01-BASE/NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	1.0	U	1.0	LOD	1.0	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
2-CHLORONAPHTHALENE	0.40	U	0.40	LOD	1.0	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
ACENAPHTHENE	0.11	J	0.20	LOD	0.51	LOQ	mg/kg	NP	RI, Surr, StoE, ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
ANTHRACENE	0.24	J	0.20	LOD	0.51	LOQ	mg/kg	NP	RI, Surr, StoE, ProfJudg
BENZ(A)ANTHRACENE	1.0		0.20	LOD	0.51	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
BENZALDEHYDE	4.0	U	4.0	LOD	5.0	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
Benzo (g,h,i) perylene	0.78		0.20	LOD	0.51	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
BENZO(A)PYRENE	1.1		0.20	LOD	0.51	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
BENZO(B)FLUORANTHENE	1.9		0.20	LOD	0.51	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.68		0.20	LOD	0.51	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	4.0	U	4.0	LOD	5.1	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
Butyl benzyl phthalate	4.0	U	4.0	LOD	5.0	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
CAPROLACTAM	4.0	U	4.0	LOD	5.0	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
CARBAZOLE	1.0	U	1.0	LOD	1.0	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
CHRYSENE	1.2		0.20	LOD	0.51	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.26	J	0.20	LOD	0.51	LOQ	mg/kg	NP	RI, Surr, StoE, ProfJudg
DIBENZOFURAN	1.0	U	1.0	LOD	1.0	LOQ	mg/kg	NP	Surr, StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU11-S006-00-01-X **Collected:** 6/20/2017 3:15:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DIETHYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
DIMETHYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
DI-N-BUTYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
DI-N-OCTYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
FLUORANTHENE	2.3		0.20	LOD	0.51	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
FLUORENE	0.11	J	0.20	LOD	0.51	LOQ	mg/kg	NP	RI, Surr, StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.74		0.20	LOD	0.51	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
NAPHTHALENE	0.12	J	0.20	LOD	0.51	LOQ	mg/kg	NP	RI, Surr, StoE, ProfJudg
PHENANTHRENE	0.90		0.20	LOD	0.51	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
PYRENE	1.9		0.20	LOD	0.51	LOQ	mg/kg	NP	Surr, StoE, ProfJudg

Sample ID: DU11-S008-00-01 **Collected:** 6/20/2017 2:05:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.004	J	0.008	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHENE	0.023		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.12		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.034		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.096		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.027		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.068		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.090		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.045		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.11		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.020		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.21		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.022		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.037		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU11-S008-00-01 **Collected:** 6/20/2017 2:05:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NAPHTHALENE	0.008	U	0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.090		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.18		0.008	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU11-S009-00-01 **Collected:** 6/20/2017 12:45:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.018	J	0.008	LOD	0.020	LOQ	mg/kg	J	RI
DIBENZO(A,H)ANTHRACENE	0.011	J	0.008	LOD	0.020	LOQ	mg/kg	J	RI
FLUORENE	0.014	J	0.008	LOD	0.020	LOQ	mg/kg	J	RI
NAPHTHALENE	0.006	J	0.008	LOD	0.020	LOQ	mg/kg	J	RI

Sample ID: DU11-S010-00-01 **Collected:** 6/20/2017 1:45:00 PM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.32	J	0.68	LOD	0.68	LOQ	mg/kg	J	RI

Sample ID: DU11-S010-00-01 **Collected:** 6/20/2017 1:45:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	J	0.009	LOD	0.023	LOQ	mg/kg	J	RI
2-METHYLNAPHTHALENE	0.011	J	0.009	LOD	0.023	LOQ	mg/kg	J	RI
NAPHTHALENE	0.022	J	0.009	LOD	0.023	LOQ	mg/kg	J	RI

Sample ID: DU11-S011-00-01 **Collected:** 6/20/2017 1:40:00 PM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.21	J	0.58	LOD	0.58	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU11-S011-00-01 **Collected:** 6/20/2017 1:40:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.017	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHYLENE	0.071		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.019	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.069		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.019	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
BENZO(A)PYRENE	0.059		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.088		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.040		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.081		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.016	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.14		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.015	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.028		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.052		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.12		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU11-S012-00-01 **Collected:** 6/20/2017 2:15:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.012	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHYLENE	0.061		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.016	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.092		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.035		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.071		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.097		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.045		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU11-S012-00-01 **Collected:** 6/20/2017 2:15:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.084		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.012	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.17		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.011	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.028		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.004	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.063		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.14		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU11-S013-00-01 **Collected:** 6/20/2017 12:40:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.018	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHYLENE	0.049		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.031		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.14		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.15		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.14		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.19		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.11		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.15		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.086		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.26		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.013	J	0.007	LOD	0.019	LOQ	mg/kg	NP	RI, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.099		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.007	U	0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.10		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.21		0.007	LOD	0.019	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU11-S014-00-01 **Collected:** 6/20/2017 1:20:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.010	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHYLENE	0.041		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.016	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.084		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.039		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.072		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.11		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.046		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.098		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.16		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.010	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.041		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.005	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.072		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.13		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU11-S015-00-01 **Collected:** 6/20/2017 1:25:00 PM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.25	J	0.59	LOD	0.59	LOQ	mg/kg	J	RI

Sample ID: DU11-S015-00-01 **Collected:** 6/20/2017 1:25:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.013	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHYLENE	0.044		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.014	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU11-S015-00-01 **Collected:** 6/20/2017 1:25:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.065		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.025		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.059		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.082		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.039		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.069		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.012	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.11		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.013	J	0.008	LOD	0.020	LOQ	mg/kg	NP	RI, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.025		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.046		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.10		0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU11-S016-00-01 **Collected:** 6/20/2017 3:00:00 PM **Analysis Type:** Initial **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
4-Chloroaniline [p-Chloroaniline]	0.082	U	0.082	LOD	0.082	LOQ	mg/kg	UJ	Ms

Sample ID: DU11-S016-00-01 **Collected:** 6/20/2017 3:00:00 PM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.46	J	0.61	LOD	0.61	LOQ	mg/kg	J	RI

Sample ID: DU11-S016-00-01 **Collected:** 6/20/2017 3:00:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.013	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHYLENE	0.040		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.020	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix: SOIL**

Sample ID: DU11-S016-00-01 **Collected:** 6/20/2017 3:00:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.079		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.029		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.070		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.11		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.050		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.097		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.026		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.16		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.01	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.039		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.006	J	0.008	LOD	0.021	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.081		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.14		0.008	LOD	0.021	LOQ	mg/kg	NP	ProfJudg

Method Category: SVOA

Method: 8270D SIM **Matrix: SOIL**

Sample ID: DU11-S002-00-01 **Collected:** 6/20/2017 1:15:00 PM **Analysis Type:** Dilution-01-BASE/ NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0039	J	0.0069	LOD	0.0086	LOQ	mg/kg	NP	RI, ProfJudg
2-METHYLNAPHTHALENE	0.0055	J	0.0069	LOD	0.0086	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHENE	0.016		0.0069	LOD	0.0086	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.0049	J	0.0069	LOD	0.0086	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.053		0.0069	LOD	0.0086	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20		0.0069	LOD	0.0086	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.20		0.0069	LOD	0.0086	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.30		0.0069	LOD	0.0086	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.066		0.0069	LOD	0.0086	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.12		0.0069	LOD	0.0086	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.19		0.0069	LOD	0.0086	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.025		0.0069	LOD	0.0086	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU11-S002-00-01 **Collected:** 6/20/2017 1:15:00 PM **Analysis Type:** Dilution-01-BASE/ NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORENE	0.018		0.0069	LOD	0.0086	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.077		0.0069	LOD	0.0086	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.0085	J	0.0069	LOD	0.0086	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.19		0.0069	LOD	0.0086	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.36		0.0069	LOD	0.0086	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU11-S002-00-01 **Collected:** 6/20/2017 1:15:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORANTHENE	0.37	E	0.0014	LOD	0.0017	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU11-S005-00-01 **Collected:** 6/20/2017 12:50:00 PM **Analysis Type:** Dilution-01-BASE/ NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0084	J	0.0082	LOD	0.010	LOQ	mg/kg	NP	RI, ProfJudg
2-METHYLNAPHTHALENE	0.0097	J	0.0082	LOD	0.010	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHENE	0.040		0.0082	LOD	0.010	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.011		0.0082	LOD	0.010	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.084		0.0082	LOD	0.010	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.43		0.0082	LOD	0.010	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.46		0.0082	LOD	0.010	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.80		0.0082	LOD	0.010	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.15		0.0082	LOD	0.010	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.28		0.0082	LOD	0.010	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.47		0.0082	LOD	0.010	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.060		0.0082	LOD	0.010	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.97		0.0082	LOD	0.010	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.039		0.0082	LOD	0.010	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.18		0.0082	LOD	0.010	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.018		0.0082	LOD	0.010	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.44		0.0082	LOD	0.010	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.87		0.0082	LOD	0.010	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU11-S005-00-01 **Collected:** 6/20/2017 12:50:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0069		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.0077		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.034		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.0060		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.087		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.43	E	0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.48	E	0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.86	E	0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.12		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.32		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.45	E	0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.050		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.89	E	0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.025		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.15		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.016		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.45	E	0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.73	E	0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU11-S006-00-01 **Collected:** 6/20/2017 3:15:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0065		0.0040	LOD	0.0050	LOQ	mg/kg	NP	Surr, ProfJudg
2-METHYLNAPHTHALENE	0.0079		0.0040	LOD	0.0050	LOQ	mg/kg	NP	Surr, ProfJudg
ACENAPHTHENE	0.021		0.0040	LOD	0.0050	LOQ	mg/kg	NP	Surr, ProfJudg
ACENAPHTHYLENE	0.0089		0.0040	LOD	0.0050	LOQ	mg/kg	NP	Surr, ProfJudg
ANTHRACENE	0.071		0.0040	LOD	0.0050	LOQ	mg/kg	NP	Surr, ProfJudg
BENZ(A)ANTHRACENE	0.40		0.0040	LOD	0.0050	LOQ	mg/kg	NP	Surr, ProfJudg
BENZO(A)PYRENE	0.44		0.0040	LOD	0.0050	LOQ	mg/kg	NP	Surr, ProfJudg
BENZO(B)FLUORANTHENE	0.83		0.0040	LOD	0.0050	LOQ	mg/kg	NP	Surr, ProfJudg
BENZO(G,H,I)PERYLENE	0.11		0.0040	LOD	0.0050	LOQ	mg/kg	NP	Surr, ProfJudg
BENZO(K)FLUORANTHENE	0.30		0.0040	LOD	0.0050	LOQ	mg/kg	NP	Surr, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU11-S006-00-01 **Collected:** 6/20/2017 3:15:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.45		0.0040	LOD	0.0050	LOQ	mg/kg	NP	Surr, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.051		0.0040	LOD	0.0050	LOQ	mg/kg	NP	Surr, ProfJudg
FLUORANTHENE	0.98		0.0040	LOD	0.0050	LOQ	mg/kg	NP	Surr, ProfJudg
FLUORENE	0.017		0.0040	LOD	0.0050	LOQ	mg/kg	NP	Surr, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.14		0.0040	LOD	0.0050	LOQ	mg/kg	NP	Surr, ProfJudg
NAPHTHALENE	0.025		0.0040	LOD	0.0050	LOQ	mg/kg	NP	Surr, ProfJudg
PHENANTHRENE	0.32		0.0040	LOD	0.0050	LOQ	mg/kg	NP	Surr, ProfJudg
PYRENE	0.74		0.0040	LOD	0.0050	LOQ	mg/kg	NP	Surr, ProfJudg

Sample ID: DU11-S006-00-01-X **Collected:** 6/20/2017 3:15:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.011		0.0040	LOD	0.0050	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
2-METHYLNAPHTHALENE	0.015		0.0040	LOD	0.0050	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
ACENAPHTHENE	0.034		0.0040	LOD	0.0050	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
ACENAPHTHYLENE	0.0070		0.0040	LOD	0.0050	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
ANTHRACENE	0.094		0.0040	LOD	0.0050	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
BENZ(A)ANTHRACENE	0.53		0.0040	LOD	0.0050	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
BENZO(A)PYRENE	0.62		0.0040	LOD	0.0050	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
BENZO(B)FLUORANTHENE	1.1	E	0.0040	LOD	0.0050	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
BENZO(G,H,I)PERYLENE	0.17		0.0040	LOD	0.0050	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.43		0.0040	LOD	0.0050	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
CHRYSENE	0.61		0.0040	LOD	0.0050	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.065		0.0040	LOD	0.0050	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
FLUORANTHENE	1.1	E	0.0040	LOD	0.0050	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
FLUORENE	0.050		0.0040	LOD	0.0050	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20		0.0040	LOD	0.0050	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
NAPHTHALENE	0.051		0.0040	LOD	0.0050	LOQ	mg/kg	NP	Surr, StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU11-S006-00-01-X **Collected:** 6/20/2017 3:15:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
PHENANTHRENE	0.46		0.0040	LOD	0.0050	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
PYRENE	1.1	E	0.0040	LOD	0.0050	LOQ	mg/kg	NP	Surr, StoE, ProfJudg

Sample ID: DU11-S006-00-01-X **Collected:** 6/20/2017 3:15:00 PM **Analysis Type:** Reanalysis-02-BASE/ NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.012	J	0.020	LOD	0.025	LOQ	mg/kg	NP	RI, StoE, ProfJudg
2-METHYLNAPHTHALENE	0.017	J	0.020	LOD	0.025	LOQ	mg/kg	NP	RI, StoE, ProfJudg
ACENAPHTHENE	0.041		0.020	LOD	0.025	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.0088	J	0.020	LOD	0.025	LOQ	mg/kg	NP	RI, StoE, ProfJudg
ANTHRACENE	0.10		0.020	LOD	0.025	LOQ	mg/kg	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.59		0.020	LOD	0.025	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.71		0.020	LOD	0.025	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	1.4		0.020	LOD	0.025	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(G,H,I)PERYLENE	0.17		0.020	LOD	0.025	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.45		0.020	LOD	0.025	LOQ	mg/kg	NP	StoE, ProfJudg
CHRYSENE	0.69		0.020	LOD	0.025	LOQ	mg/kg	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.069		0.020	LOD	0.025	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORANTHENE	1.1		0.020	LOD	0.025	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORENE	0.043		0.020	LOD	0.025	LOQ	mg/kg	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21		0.020	LOD	0.025	LOQ	mg/kg	NP	StoE, ProfJudg
NAPHTHALENE	0.057		0.020	LOD	0.025	LOQ	mg/kg	NP	StoE, ProfJudg
PHENANTHRENE	0.51		0.020	LOD	0.025	LOQ	mg/kg	NP	StoE, ProfJudg
PYRENE	1.4		0.020	LOD	0.025	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: DU11-S007-00-01 **Collected:** 6/20/2017 3:30:00 PM **Analysis Type:** Dilution-01-BASE/ NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.24		0.0089	LOD	0.011	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.29		0.0089	LOD	0.011	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.023		0.0089	LOD	0.011	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **SOIL**

Sample ID: **DU11-S007-00-01** ***Collected:*** **6/20/2017 3:30:00 PM** ***Analysis Type:*** **Dilution-01-BASE/ NEUTRAL** ***Dilution:*** **5**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.017		0.0089	LOD	0.011	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.052		0.0089	LOD	0.011	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.19		0.0089	LOD	0.011	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.16		0.0089	LOD	0.011	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.31		0.0089	LOD	0.011	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.038		0.0089	LOD	0.011	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.12		0.0089	LOD	0.011	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.21		0.0089	LOD	0.011	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.015		0.0089	LOD	0.011	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.43		0.0089	LOD	0.011	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.033		0.0089	LOD	0.011	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.047		0.0089	LOD	0.011	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.26		0.0089	LOD	0.011	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.33		0.0089	LOD	0.011	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.38		0.0089	LOD	0.011	LOQ	mg/kg	NP	ProfJudg

Sample ID: **DU11-S007-00-01** ***Collected:*** **6/20/2017 3:30:00 PM** ***Analysis Type:*** **Initial-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.25		0.0018	LOD	0.0022	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.31		0.0018	LOD	0.0022	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.020		0.0018	LOD	0.0022	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.011		0.0018	LOD	0.0022	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.054		0.0018	LOD	0.0022	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.19		0.0018	LOD	0.0022	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.15		0.0018	LOD	0.0022	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.31		0.0018	LOD	0.0022	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.032		0.0018	LOD	0.0022	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.11		0.0018	LOD	0.0022	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.20		0.0018	LOD	0.0022	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.017		0.0018	LOD	0.0022	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.49	E	0.0018	LOD	0.0022	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU11-S007-00-01 **Collected:** 6/20/2017 3:30:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORENE	0.019		0.0018	LOD	0.0022	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.041		0.0018	LOD	0.0022	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.21		0.0018	LOD	0.0022	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.35		0.0018	LOD	0.0022	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.38		0.0018	LOD	0.0022	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU11-S007-00-01 **Collected:** 6/20/2017 3:30:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.25		0.0018	LOD	0.0022	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.31		0.0018	LOD	0.0022	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.018		0.0018	LOD	0.0022	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.014		0.0018	LOD	0.0022	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.054		0.0018	LOD	0.0022	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.19		0.0018	LOD	0.0022	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.14		0.0018	LOD	0.0022	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.28		0.0018	LOD	0.0022	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.034		0.0018	LOD	0.0022	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.11		0.0018	LOD	0.0022	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.20		0.0018	LOD	0.0022	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.017		0.0018	LOD	0.0022	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.49	E	0.0018	LOD	0.0022	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.024		0.0018	LOD	0.0022	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.043		0.0018	LOD	0.0022	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.21		0.0018	LOD	0.0022	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.35		0.0018	LOD	0.0022	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.39		0.0018	LOD	0.0022	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU11-S007-00-01-X **Collected:** 6/20/2017 3:30:00 PM **Analysis Type:** Reanalysis-02-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20		0.0018	LOD	0.0022	LOQ	mg/kg	NP	Surr, StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU11-S007-00-01-X **Collected:** 6/20/2017 3:30:00 PM **Analysis Type:** Reanalysis-02-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.24		0.0018	LOD	0.0022	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
ACENAPHTHENE	0.046		0.0018	LOD	0.0022	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
ACENAPHTHYLENE	0.015		0.0018	LOD	0.0022	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
ANTHRACENE	0.11		0.0018	LOD	0.0022	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
BENZ(A)ANTHRACENE	0.25		0.0018	LOD	0.0022	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
BENZO(A)PYRENE	0.23		0.0018	LOD	0.0022	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.49	E	0.0018	LOD	0.0022	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
BENZO(G,H,I)PERYLENE	0.044		0.0018	LOD	0.0022	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.17		0.0018	LOD	0.0022	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
CHRYSENE	0.26		0.0018	LOD	0.0022	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.019		0.0018	LOD	0.0022	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
FLUORANTHENE	0.54	E	0.0018	LOD	0.0022	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
FLUORENE	0.056		0.0018	LOD	0.0022	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.055		0.0018	LOD	0.0022	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
NAPHTHALENE	0.17		0.0018	LOD	0.0022	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
PHENANTHRENE	0.49	E	0.0018	LOD	0.0022	LOQ	mg/kg	NP	Surr, StoE, ProfJudg
PYRENE	0.68	E	0.0018	LOD	0.0022	LOQ	mg/kg	NP	Surr, StoE, ProfJudg

Sample ID: DU11-S008-00-01 **Collected:** 6/20/2017 2:05:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.0010	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI

Sample ID: DU11-S008-00-01 **Collected:** 6/20/2017 2:05:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0020		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.0026		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU11-S008-00-01 **Collected:** 6/20/2017 2:05:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.0032		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.00096	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.0097		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.037		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.040		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.079		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.0096		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.027		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.042		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0038		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.085		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.0038		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.012		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.0024		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.043		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.075		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU11-S009-00-01 **Collected:** 6/20/2017 12:45:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0010	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	RI, Surr, ProfJudg
2-METHYLNAPHTHALENE	0.0012	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	RI, Surr, ProfJudg
ACENAPHTHENE	0.0027		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Surr, ProfJudg
ACENAPHTHYLENE	0.00055	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	RI, Surr, ProfJudg
ANTHRACENE	0.0061		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Surr, ProfJudg
BENZ(A)ANTHRACENE	0.025		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Surr, ProfJudg
BENZO(A)PYRENE	0.026		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Surr, ProfJudg
BENZO(B)FLUORANTHENE	0.048		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Surr, ProfJudg
BENZO(G,H,I)PERYLENE	0.0074		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Surr, ProfJudg
BENZO(K)FLUORANTHENE	0.016		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Surr, ProfJudg
CHRYSENE	0.027		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Surr, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU11-S009-00-01 **Collected:** 6/20/2017 12:45:00 PM **Analysis Type:** Initial-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DIBENZO(A,H)ANTHRACENE	0.0028		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Surr, ProfJudg
FLUORANTHENE	0.057		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Surr, ProfJudg
FLUORENE	0.0028		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Surr, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.0086		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Surr, ProfJudg
NAPHTHALENE	0.0023		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Surr, ProfJudg
PHENANTHRENE	0.030		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Surr, ProfJudg
PYRENE	0.049		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Surr, ProfJudg

Sample ID: DU11-S009-00-01 **Collected:** 6/20/2017 12:45:00 PM **Analysis Type:** Reanalysis-01-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0011	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI, Surr
2-METHYLNAPHTHALENE	0.0012	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI, Surr
ACENAPHTHENE	0.0027		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Surr, ProfJudg
ACENAPHTHYLENE	0.00050	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	RI, Surr, ProfJudg
ANTHRACENE	0.0071		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Surr, ProfJudg
BENZ(A)ANTHRACENE	0.026		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Surr, ProfJudg
BENZO(A)PYRENE	0.028		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Surr, ProfJudg
BENZO(B)FLUORANTHENE	0.044		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Surr, ProfJudg
BENZO(G,H,I)PERYLENE	0.014		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Surr, ProfJudg
BENZO(K)FLUORANTHENE	0.017		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Surr, ProfJudg
CHRYSENE	0.028		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Surr, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0046		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Surr, ProfJudg
FLUORANTHENE	0.057		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Surr, ProfJudg
FLUORENE	0.0029		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Surr, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.014		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Surr, ProfJudg
NAPHTHALENE	0.0023		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Surr, ProfJudg
PHENANTHRENE	0.032		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Surr, ProfJudg
PYRENE	0.052		0.0015	LOD	0.0019	LOQ	mg/kg	NP	Surr, ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU11-S009-00-01-X **Collected:** 6/20/2017 12:45:00 PM **Analysis Type:** Reanalysis-02-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0059		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.011		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHENE	0.0050		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.0012	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	RI, StoE, ProfJudg
ANTHRACENE	0.010		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.036		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.043		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.063		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(G,H,I)PERYLENE	0.019		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.027		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
CHRYSENE	0.040		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0065		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORANTHENE	0.081		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
FLUORENE	0.0050		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.021		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
NAPHTHALENE	0.16		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
PHENANTHRENE	0.041		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg
PYRENE	0.073		0.0015	LOD	0.0019	LOQ	mg/kg	NP	StoE, ProfJudg

Sample ID: DU11-S010-00-01 **Collected:** 6/20/2017 1:45:00 PM **Analysis Type:** Dilution-01-BASE/ NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0063	J	0.0090	LOD	0.011	LOQ	mg/kg	NP	RI, ProfJudg
2-METHYLNAPHTHALENE	0.010	J	0.0090	LOD	0.011	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHENE	0.012		0.0090	LOD	0.011	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.037		0.0090	LOD	0.011	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.076		0.0090	LOD	0.011	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.27		0.0090	LOD	0.011	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.27		0.0090	LOD	0.011	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.74		0.0090	LOD	0.011	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.070		0.0090	LOD	0.011	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.30		0.0090	LOD	0.011	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU11-S010-00-01 **Collected:** 6/20/2017 1:45:00 PM **Analysis Type:** Dilution-01-BASE/ NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.43		0.0090	LOD	0.011	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.030		0.0090	LOD	0.011	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.72		0.0090	LOD	0.011	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.014		0.0090	LOD	0.011	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.091		0.0090	LOD	0.011	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.019		0.0090	LOD	0.011	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.22		0.0090	LOD	0.011	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.81		0.0090	LOD	0.011	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU11-S010-00-01 **Collected:** 6/20/2017 1:45:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0054		0.0018	LOD	0.0023	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.0096		0.0018	LOD	0.0023	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.0094		0.0018	LOD	0.0023	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.037		0.0018	LOD	0.0023	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.079		0.0018	LOD	0.0023	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.25		0.0018	LOD	0.0023	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.24		0.0018	LOD	0.0023	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.63	E	0.0018	LOD	0.0023	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.070		0.0018	LOD	0.0023	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.27		0.0018	LOD	0.0023	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.37		0.0018	LOD	0.0023	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.028		0.0018	LOD	0.0023	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.66	E	0.0018	LOD	0.0023	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.014		0.0018	LOD	0.0023	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.087		0.0018	LOD	0.0023	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.017		0.0018	LOD	0.0023	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.20		0.0018	LOD	0.0023	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.77	E	0.0018	LOD	0.0023	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU11-S010-00-01 **Collected:** 6/20/2017 1:45:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0050		0.0018	LOD	0.0023	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.0094		0.0018	LOD	0.0023	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.010		0.0018	LOD	0.0023	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.035		0.0018	LOD	0.0023	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.070		0.0018	LOD	0.0023	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.26		0.0018	LOD	0.0023	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.24		0.0018	LOD	0.0023	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.67	E	0.0018	LOD	0.0023	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.058		0.0018	LOD	0.0023	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.24		0.0018	LOD	0.0023	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.39		0.0018	LOD	0.0023	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.025		0.0018	LOD	0.0023	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.66	E	0.0018	LOD	0.0023	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.014		0.0018	LOD	0.0023	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.077		0.0018	LOD	0.0023	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.017		0.0018	LOD	0.0023	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.20		0.0018	LOD	0.0023	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.84	E	0.0018	LOD	0.0023	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU11-S011-00-01 **Collected:** 6/20/2017 1:40:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0014	J	0.0016	LOD	0.0019	LOQ	mg/kg	J	RI
2-METHYLNAPHTHALENE	0.0015	J	0.0016	LOD	0.0019	LOQ	mg/kg	J	RI
NAPHTHALENE	0.0018	J	0.0016	LOD	0.0019	LOQ	mg/kg	J	RI

Sample ID: DU11-S011-00-01 **Collected:** 6/20/2017 1:40:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0016	J	0.0016	LOD	0.0019	LOQ	mg/kg	NP	RI, ProfJudg
2-METHYLNAPHTHALENE	0.0015	J	0.0016	LOD	0.0019	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHENE	0.0024		0.0016	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU11-S011-00-01 **Collected:** 6/20/2017 1:40:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.0016	J	0.0016	LOD	0.0019	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.0058		0.0016	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.030		0.0016	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.031		0.0016	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.069		0.0016	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.0068		0.0016	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.029		0.0016	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.040		0.0016	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0029		0.0016	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.066		0.0016	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.0027		0.0016	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.0089		0.0016	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.0020		0.0016	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.035		0.0016	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.083		0.0016	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU11-S012-00-01 **Collected:** 6/20/2017 2:15:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0015	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI
ACENAPHTHYLENE	0.0014	J	0.0015	LOD	0.0019	LOQ	mg/kg	J	RI

Sample ID: DU11-S012-00-01 **Collected:** 6/20/2017 2:15:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0016	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	RI, ProfJudg
2-METHYLNAPHTHALENE	0.0023		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.0040		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.0013	J	0.0015	LOD	0.0019	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.0081		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.044		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.050		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU11-S012-00-01 **Collected:** 6/20/2017 2:15:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(B)FLUORANTHENE	0.099		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.010		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.036		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.054		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0044		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.10		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.0040		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.013		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.0033		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.053		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.12		0.0015	LOD	0.0019	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU11-S013-00-01 **Collected:** 6/20/2017 12:40:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0010	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI
2-METHYLNAPHTHALENE	0.0011	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI
ACENAPHTHYLENE	0.0013	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI
NAPHTHALENE	0.0014	J	0.0015	LOD	0.0018	LOQ	mg/kg	J	RI

Sample ID: DU11-S013-00-01 **Collected:** 6/20/2017 12:40:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0011	J	0.0015	LOD	0.0018	LOQ	mg/kg	NP	RI, ProfJudg
2-METHYLNAPHTHALENE	0.0011	J	0.0015	LOD	0.0018	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHENE	0.0067		0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.0011	J	0.0015	LOD	0.0018	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.021		0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.097		0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.11		0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.14		0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.049		0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU11-S013-00-01 **Collected:** 6/20/2017 12:40:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(K)FLUORANTHENE	0.11		0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.10		0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.039		0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.18		0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.0067		0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.043		0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.0014	J	0.0015	LOD	0.0018	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.079		0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.20		0.0015	LOD	0.0018	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU11-S014-00-01 **Collected:** 6/20/2017 1:20:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0018	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI

Sample ID: DU11-S014-00-01 **Collected:** 6/20/2017 1:20:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0018	J	0.0016	LOD	0.0020	LOQ	mg/kg	NP	RI, ProfJudg
2-METHYLNAPHTHALENE	0.0020		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.0053		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.0019	J	0.0016	LOD	0.0020	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.011		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.055		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.057		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.11		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.012		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.047		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.063		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0051		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.12		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.0055		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU11-S014-00-01 **Collected:** 6/20/2017 1:20:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
INDENO(1,2,3-CD)PYRENE	0.015		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.0034		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.066		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.14		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU11-S015-00-01 **Collected:** 6/20/2017 1:25:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0012	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI
2-METHYLNAPHTHALENE	0.0014	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI
ACENAPHTHYLENE	0.0016	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI
NAPHTHALENE	0.0017	J	0.0016	LOD	0.0020	LOQ	mg/kg	J	RI

Sample ID: DU11-S015-00-01 **Collected:** 6/20/2017 1:25:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0013	J	0.0016	LOD	0.0020	LOQ	mg/kg	NP	RI, ProfJudg
2-METHYLNAPHTHALENE	0.0014	J	0.0016	LOD	0.0020	LOQ	mg/kg	NP	RI, ProfJudg
ACENAPHTHENE	0.0026		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.0015	J	0.0016	LOD	0.0020	LOQ	mg/kg	NP	RI, ProfJudg
ANTHRACENE	0.0057		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
BENZ(A)ANTHRACENE	0.032		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.034		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.071		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.0068		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.030		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.038		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.0029		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.069		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.0032		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.0087		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.0018	J	0.0016	LOD	0.0020	LOQ	mg/kg	NP	RI, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** SOIL

Sample ID: DU11-S015-00-01 **Collected:** 6/20/2017 1:25:00 PM **Analysis Type:** Reanalysis-01-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
PHENANTHRENE	0.037		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.093		0.0016	LOD	0.0020	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU11-S016-00-01 **Collected:** 6/20/2017 3:00:00 PM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0027		0.0016	LOD	0.0020	LOQ	mg/kg	J-	Surr
2-METHYLNAPHTHALENE	0.0031		0.0016	LOD	0.0020	LOQ	mg/kg	J-	Surr
ACENAPHTHENE	0.0055		0.0016	LOD	0.0020	LOQ	mg/kg	J-	Surr
ACENAPHTHYLENE	0.0024		0.0016	LOD	0.0020	LOQ	mg/kg	J-	Ms, Surr
ANTHRACENE	0.011		0.0016	LOD	0.0020	LOQ	mg/kg	J-	Ms, Surr
BENZ(A)ANTHRACENE	0.052		0.0016	LOD	0.0020	LOQ	mg/kg	J-	Ms, Surr
BENZO(A)PYRENE	0.047		0.0016	LOD	0.0020	LOQ	mg/kg	J-	Ms, Surr
BENZO(B)FLUORANTHENE	0.12		0.0016	LOD	0.0020	LOQ	mg/kg	J-	Ms, Surr
BENZO(G,H,I)PERYLENE	0.0080		0.0016	LOD	0.0020	LOQ	mg/kg	J-	Ms, Surr
BENZO(K)FLUORANTHENE	0.038		0.0016	LOD	0.0020	LOQ	mg/kg	J-	Ms, Surr
CHRYSENE	0.061		0.0016	LOD	0.0020	LOQ	mg/kg	J-	Ms, Surr
DIBENZO(A,H)ANTHRACENE	0.0039		0.0016	LOD	0.0020	LOQ	mg/kg	J-	Ms, Surr
FLUORANTHENE	0.11		0.0016	LOD	0.0020	LOQ	mg/kg	J-	Ms, Surr
FLUORENE	0.0081		0.0016	LOD	0.0020	LOQ	mg/kg	J-	Ms, Surr
INDENO(1,2,3-CD)PYRENE	0.012		0.0016	LOD	0.0020	LOQ	mg/kg	J-	Ms, Surr
NAPHTHALENE	0.0050		0.0016	LOD	0.0020	LOQ	mg/kg	J-	Surr
PHENANTHRENE	0.069		0.0016	LOD	0.0020	LOQ	mg/kg	J-	Ms, Surr
PYRENE	0.16		0.0016	LOD	0.0020	LOQ	mg/kg	J-	Ms, Surr

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Reason Code Legend

Reason Code	*Description*
Ld	Laboratory Duplicate Precision
Mb	Method Blank Contamination
Ms	Matrix Spike Lower Estimation
Ms	Matrix Spike Precision
Ms	Matrix Spike Upper Estimation
ProfJudg	Professional Judgment
RI	Reporting Limit Trace Value
StoE	Sampling to Extraction Estimation
StoE	Sampling to Extraction Rejection
Surr	Surrogate/Tracer Recovery Lower Estimation

* denotes a non-reportable result

QC Outlier Report: HoldingTimes

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D **Preparation Method: SW3546**

Matrix: SOIL

Sample ID	Type	Actual	Criteria	Units	Flag
DU11-S005-00-01-X (Reanalysis-01)	Sampling To Extraction	21.00	14.00	DAYS	J- (all detects)
DU11-S006-00-01-X (Reanalysis-01)		21.00	14.00	DAYS	UJ (all non-detects)

Method: 8270D SIM **Preparation Method: SW3546**

Matrix: SOIL

Sample ID	Type	Actual	Criteria	Units	Flag
DU11-S006-00-01-X (Reanalysis-01)	Sampling To Extraction	39.00	14.00	DAYS	J-(all detects)
DU11-S006-00-01-X (Reanalysis-02)		39.00	14.00	DAYS	R(all non-detects)
DU11-S007-00-01-X (Reanalysis-02)		39.00	14.00	DAYS	
DU11-S009-00-01-X (Reanalysis-02)		41.00	14.00	DAYS	

Surrogate Outlier Report

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D
Matrix: SOIL

Sample ID (Analysis Type)	Surrogate	Sample % Recovery	% Recovery Limits	Affected Compounds	Flag
DU11-S005-00-01 (Initial)	Terphenyl-d14	48	54.00-127.00	No Affected Compounds	
DU11-S006-00-01 (Initial)	2,4,6-TRIBROMOPHENOL 2-FLUOROBIPHENYL Terphenyl-d14	35 43 39	39.00-132.00 44.00-115.00 54.00-127.00	All Base/Neutral Target Analytes	J-(all detects) UJ(all non-detects)
DU11-S006-00-01-X (Reanalysis-01)	2,4,6-TRIBROMOPHENOL 2-FLUOROBIPHENYL Nitrobenzene-d5 Terphenyl-d14	38 37 32 34	39.00-132.00 44.00-115.00 37.00-122.00 54.00-127.00	All Base/Neutral Target Analytes	J-(all detects) UJ(all non-detects)
DU11-S016-00-01 (Initial)	Terphenyl-d14	47	54.00-127.00	No Affected Compounds	

Method: 8270D SIM
Matrix: SOIL

Sample ID (Analysis Type)	Surrogate	Sample % Recovery	% Recovery Limits	Affected Compounds	Flag
DU11-S006-00-01 (Initial)	1-Methylnaphthalene-d10 BENZO (A) PYRENE-D12 Fluoranthene-d10	38 39 43	52.00-110.00 53.00-137.00 56.00-142.00	All Base/Neutral Target Analytes	J-(all detects) UJ(all non-detects)
DU11-S006-00-01-X (Reanalysis-02)	Fluoranthene-d10	55	56.00-142.00	No Affected Compounds	
DU11-S006-00-01-X (Reanalysis-01)	1-Methylnaphthalene-d10 Fluoranthene-d10	49 52	52.00-110.00 56.00-142.00	All Base/Neutral Target Analytes	J-(all detects) UJ(all non-detects)
DU11-S007-00-01 (Initial)	BENZO (A) PYRENE-D12	50	53.00-137.00	No Affected Compounds	
DU11-S007-00-01 (Reanalysis-01)	BENZO (A) PYRENE-D12	49	53.00-137.00	No Affected Compounds	
DU11-S007-00-01-X (Reanalysis-02)	BENZO (A) PYRENE-D12 Fluoranthene-d10	52 49	53.00-137.00 56.00-142.00	All Base/Neutral Target Analytes	J-(all detects) UJ(all non-detects)
DU11-S009-00-01 (Initial)	1-Methylnaphthalene-d10 BENZO (A) PYRENE-D12 Fluoranthene-d10	43 49 45	52.00-110.00 53.00-137.00 56.00-142.00	All Base/Neutral Target Analytes	J-(all detects) UJ(all non-detects)
DU11-S009-00-01 (Reanalysis-01)	1-Methylnaphthalene-d10 BENZO (A) PYRENE-D12 Fluoranthene-d10	44 51 45	52.00-110.00 53.00-137.00 56.00-142.00	All Base/Neutral Target Analytes	J-(all detects) UJ(all non-detects)
DU11-S015-00-01 (Reanalysis-01)	Fluoranthene-d10	55	56.00-142.00	No Affected Compounds	
DU11-S016-00-01 (Initial)	1-Methylnaphthalene-d10 BENZO (A) PYRENE-D12 Fluoranthene-d10	47 45 40	52.00-110.00 53.00-137.00 56.00-142.00	All Base/Neutral Target Analytes	J-(all detects) UJ(all non-detects)

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SOIL

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
DU11-S002-00-01MS (Wet) DU11-S002-00-01MSD (Wet) (DU11-S002-00-01)	ALUMINUM ARSENIC BERYLLIUM CALCIUM MAGNESIUM	-1281 78 71 -490 70	-1360 60 63 -488 34	78.00-124.00 82.00-118.00 80.00-120.00 86.00-118.00 80.00-123.00	- - - - -	ALUMINUM ARSENIC BERYLLIUM CALCIUM MAGNESIUM	J- (all detects) UJ (all non-detects)
DU11-S002-00-01MS (Wet) DU11-S002-00-01MSD (Wet) (DU11-S002-00-01)	BARIUM COPPER IRON LEAD MANGANESE VANADIUM ZINC	172 124 1103 147 194 119 223	129 - 589 - 177 - 218	86.00-116.00 84.00-119.00 81.00-124.00 84.00-118.00 85.00-116.00 82.00-116.00 82.00-119.00	- - - - - - -	BARIUM COPPER IRON LEAD MANGANESE VANADIUM ZINC	J+(all detects)

Method: 8270D
Matrix: SOIL

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
DU11-S016-00-01MSD (DU11-S016-00-01)	4-CHLORO-3-METHYLPHENOL CARBAZOLE	- -	- -	45.00-122.00 50.00-123.00	21 (20.00) 23 (20.00)	4-CHLORO-3-METHYLPHENOL CARBAZOLE	J(all detects)
DU11-S016-00-01MS DU11-S016-00-01MSD (DU11-S016-00-01)	4-Chloroaniline [p-Chloroaniline]	0	0	17.00-106.00	-	4-Chloroaniline [p-Chloroaniline]	J-(all detects) UJ(all non-detects)
DU11-S005-00-01MSD (DU11-S005-00-01)	1,1-BIPHENYL 1,4-DICHLOROBENZENE 1-METHYLNAPHTHALENE 2-CHLORONAPHTHALENE 2-METHYLNAPHTHALENE 2-Methylphenol (o-Cresol) 3/4-Methylphenol [m/p-Cresol] 4-CHLORO-3-METHYLPHENOL ACENAPHTHENE ACENAPHTHYLENE Butyl benzyl phthalate DIBENZO(A,H)ANTHRACENE DIBENZOFURAN DIMETHYL PHTHALATE DI-N-OCTYL PHTHALATE FLUORENE NAPHTHALENE	- - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - -	40.00-117.00 31.00-115.00 40.00-119.00 41.00-114.00 38.00-122.00 32.00-122.00 42.00-126.00 45.00-122.00 40.00-123.00 32.00-132.00 48.00-132.00 45.00-134.00 44.00-120.00 48.00-124.00 45.00-140.00 43.00-125.00 35.00-123.00	33 (20.00) 35 (20.00) 35 (20.00) 31 (20.00) 37 (20.00) 34 (20.00) 25 (20.00) 39 (20.00) 33 (20.00) 23 (20.00) 31 (20.00) 28 (20.00) 33 (20.00) 25 (20.00) 28 (20.00) 33 (20.00) 33 (20.00)	1,1-BIPHENYL 1,4-DICHLOROBENZENE 1-METHYLNAPHTHALENE 2-CHLORONAPHTHALENE 2-METHYLNAPHTHALENE 2-Methylphenol (o-Cresol) 3/4-Methylphenol [m/p-Cresol] 4-CHLORO-3-METHYLPHENOL ACENAPHTHENE ACENAPHTHYLENE Butyl benzyl phthalate DIBENZO(A,H)ANTHRACENE DIBENZOFURAN DIMETHYL PHTHALATE DI-N-OCTYL PHTHALATE FLUORENE NAPHTHALENE	J(all detects)
DU11-S005-00-01MS DU11-S005-00-01MSD (DU11-S005-00-01)	ANTHRACENE BENZ(A)ANTHRACENE Benzo (g,h,i) perylene BENZO(A)PYRENE BENZO(B)FLUORANTHENE BENZO(K)FLUORANTHENE BIS(2-ETHYLHEXYL) PHTHALATE CAPROLACTAM CARBAZOLE CHRYSENE DIETHYL PHTHALATE DI-N-BUTYL PHTHALATE FLUORANTHENE INDENO(1,2,3-CD)PYRENE PHENANTHRENE PYRENE	- 46 - - 31 - - - - 41 - - 22 - 33 27	43 27 34 26 7 40 50 44 45 21 49 50 -9 38 14 4	47.00-123.00 49.00-126.00 43.00-134.00 45.00-129.00 45.00-132.00 47.00-132.00 51.00-133.00 46.00-117.00 50.00-123.00 50.00-124.00 50.00-124.00 51.00-128.00 50.00-127.00 45.00-133.00 50.00-121.00 47.00-127.00	29 (20.00) 25 (20.00) 29 (20.00) 24 (20.00) 27 (20.00) 28 (20.00) 30 (20.00) 44 (20.00) 29 (20.00) 25 (20.00) 33 (20.00) 35 (20.00) 27 (20.00) 27 (20.00) 23 (20.00) 23 (20.00)	ANTHRACENE BENZ(A)ANTHRACENE Benzo (g,h,i) perylene BENZO(A)PYRENE BENZO(B)FLUORANTHENE BENZO(K)FLUORANTHENE BIS(2-ETHYLHEXYL) PHTHALATI CAPROLACTAM CARBAZOLE CHRYSENE DIETHYL PHTHALATE DI-N-BUTYL PHTHALATE FLUORANTHENE INDENO(1,2,3-CD)PYRENE PHENANTHRENE PYRENE	J(all detects) UJ(all non-detects)

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D
Matrix: SOIL

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
DU11-S005-00-01MS DU11-S005-00-01MSD (DU11-S005-00-01)	4-Chloroaniline [p-Chloroaniline]	0	0	17.00-106.00	-	4-Chloroaniline [p-Chloroaniline]	J-(all detects) UJ(all non-detects)

Method: 8270D SIM
Matrix: SOIL

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
DU11-S016-00-01MS DU11-S016-00-01MSD (DU11-S016-00-01)	ACENAPHTHYLENE	-	38	39.00-116.00	-	ACENAPHTHYLENE	J-(all detects) UJ(all non-detects)
	ANTHRACENE	46	36	50.00-114.00	-	ANTHRACENE	
	BENZ(A)ANTHRACENE	8	-12	54.00-122.00	-	BENZ(A)ANTHRACENE	
	BENZO(A)PYRENE	11	0	50.00-125.00	-	BENZO(A)PYRENE	
	BENZO(B)FLUORANTHENE	-47	-76	53.00-128.00	-	BENZO(B)FLUORANTHENE	
	BENZO(G,H,I)PERYLENE	8	6	49.00-127.00	-	BENZO(G,H,I)PERYLENE	
	BENZO(K)FLUORANTHENE	48	37	56.00-123.00	-	BENZO(K)FLUORANTHENE	
	CHRYSENE	2	-22	57.00-118.00	-	CHRYSENE	
	DIBENZO(A,H)ANTHRACENE	20	18	50.00-129.00	-	DIBENZO(A,H)ANTHRACENE	
	FLUORANTHENE	-54	-92	55.00-119.00	-	FLUORANTHENE	
	FLUORENE	-	46	47.00-114.00	-	FLUORENE	
	INDENO(1,2,3-CD)PYRENE	11	8	49.00-130.00	-	INDENO(1,2,3-CD)PYRENE	
	PHENANTHRENE	1	-23	49.00-113.00	-	PHENANTHRENE	
	PYRENE	-38	-94	55.00-117.00	-	PYRENE	
DU11-S006-00-01MS DU11-S006-00-01MSD (DU11-S006-00-01)	ACENAPHTHENE	-	-	44.00-111.00	27 (20.00)	ACENAPHTHENE	J(all detects)
	ANTHRACENE	122	-	50.00-114.00	40 (20.00)	ANTHRACENE	
	FLUORENE	-	-	47.00-114.00	25 (20.00)	FLUORENE	
DU11-S006-00-01MS DU11-S006-00-01MSD (DU11-S006-00-01)	CHRYSENE	124	45	57.00-118.00	-	CHRYSENE	J(all detects) UJ(all non-detects)
	FLUORANTHENE	171	-57	55.00-119.00	-	FLUORANTHENE	
	PHENANTHRENE	220	44	49.00-113.00	30 (20.00)	PHENANTHRENE	
DU11-S006-00-01MS DU11-S006-00-01MSD (DU11-S006-00-01)	ACENAPHTHYLENE	-	38	39.00-116.00	-	ACENAPHTHYLENE	J-(all detects) UJ(all non-detects)
	BENZO(B)FLUORANTHENE	-299	-62	53.00-128.00	-	BENZO(B)FLUORANTHENE	
	BENZO(G,H,I)PERYLENE	-5	-20	49.00-127.00	-	BENZO(G,H,I)PERYLENE	
	DIBENZO(A,H)ANTHRACENE	20	14	50.00-129.00	-	DIBENZO(A,H)ANTHRACENE	
	INDENO(1,2,3-CD)PYRENE	4	-10	49.00-130.00	-	INDENO(1,2,3-CD)PYRENE	
	NAPHTHALENE	24	28	38.00-111.00	-	NAPHTHALENE	
	PYRENE	6	-	55.00-117.00	-	PYRENE	

Lab Duplicate Outlier Report

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SOIL

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
DU11-S002-00-01DUP (Wet) (DU11-S002-00-01)	ALUMINUM	129	20.00	
	ARSENIC	56	20.00	
	BERYLLIUM	138	20.00	
	CALCIUM	182	20.00	
	CHROMIUM	50	20.00	J (all detects)
	COPPER	37	20.00	UJ (all non-detects)
	MAGNESIUM	58	20.00	
	NICKEL	51	20.00	
	SODIUM	149	20.00	
	THALLIUM	48	20.00	

Field Duplicate RPD Report

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

No Field Duplicate Data

Reporting Limit Outliers

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU11-S001-00-01	ANTIMONY	J	0.169	0.460	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.0522	0.230	LOQ	mg/kg	
	SELENIUM	J	0.475	0.920	LOQ	mg/kg	
	SILVER	J	0.0478	0.230	LOQ	mg/kg	
	THALLIUM	J	0.0885	0.230	LOQ	mg/kg	
DU11-S002-00-01	THALLIUM	J	0.0418	0.153	LOQ	mg/kg	J (all detects)
DU11-S003-00-01	CADMIUM	J	0.140	0.189	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.428	0.756	LOQ	mg/kg	
	SILVER	J	0.0295	0.189	LOQ	mg/kg	
	THALLIUM	J	0.111	0.189	LOQ	mg/kg	
DU11-S004-00-01	CADMIUM	J	0.0934	0.183	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.475	0.731	LOQ	mg/kg	
	SILVER	J	0.0280	0.183	LOQ	mg/kg	
	THALLIUM	J	0.130	0.183	LOQ	mg/kg	
DU11-S005-00-01	CADMIUM	J	0.0676	0.227	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.265	0.908	LOQ	mg/kg	
	SILVER	J	0.0420	0.227	LOQ	mg/kg	
	THALLIUM	J	0.117	0.227	LOQ	mg/kg	
DU11-S006-00-01	ANTIMONY	J	0.269	1.06	LOQ	mg/kg	J (all detects)
	BERYLLIUM	J	0.466	0.529	LOQ	mg/kg	
	CADMIUM	J	0.292	0.529	LOQ	mg/kg	
	SELENIUM	J	1.52	2.11	LOQ	mg/kg	
	SILVER	J	0.132	0.529	LOQ	mg/kg	
	THALLIUM	J	0.189	0.529	LOQ	mg/kg	
DU11-S007-00-01	ANTIMONY	J	0.280	0.513	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.195	0.257	LOQ	mg/kg	
	SELENIUM	J	1.01	1.03	LOQ	mg/kg	
	SILVER	J	0.0642	0.257	LOQ	mg/kg	
	THALLIUM	J	0.0968	0.257	LOQ	mg/kg	
DU11-S008-00-01	CADMIUM	J	0.0391	0.187	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.292	0.748	LOQ	mg/kg	
	THALLIUM	J	0.107	0.187	LOQ	mg/kg	
DU11-S009-00-01	CADMIUM	J	0.0598	0.172	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.288	0.689	LOQ	mg/kg	
	SODIUM	J	62.3	68.9	LOQ	mg/kg	
	THALLIUM	J	0.109	0.172	LOQ	mg/kg	
DU11-S010-00-01	CADMIUM	J	0.0844	0.236	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.370	0.943	LOQ	mg/kg	
	SODIUM	J	81.6	94.3	LOQ	mg/kg	
	THALLIUM	J	0.0708	0.236	LOQ	mg/kg	
DU11-S011-00-01	CADMIUM	J	0.0360	0.167	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.257	0.667	LOQ	mg/kg	
	SILVER	J	0.0333	0.167	LOQ	mg/kg	
	THALLIUM	J	0.135	0.167	LOQ	mg/kg	
DU11-S012-00-01	CADMIUM	J	0.0343	0.175	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.392	0.699	LOQ	mg/kg	
	SODIUM	J	67.9	69.9	LOQ	mg/kg	
	THALLIUM	J	0.148	0.175	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU11-S013-00-01	CADMIUM	J	0.0357	0.162	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.130	0.650	LOQ	mg/kg	
	THALLIUM	J	0.0931	0.162	LOQ	mg/kg	
DU11-S014-00-01	CADMIUM	J	0.104	0.177	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.431	0.707	LOQ	mg/kg	
	SILVER	J	0.0391	0.177	LOQ	mg/kg	
	THALLIUM	J	0.102	0.177	LOQ	mg/kg	
DU11-S015-00-01	CADMIUM	J	0.0401	0.208	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.291	0.830	LOQ	mg/kg	
	SILVER	J	0.0411	0.208	LOQ	mg/kg	
	SODIUM	J	59.8	83.0	LOQ	mg/kg	
	THALLIUM	J	0.0866	0.208	LOQ	mg/kg	
DU11-S016-00-01	BERYLLIUM	J	0.159	0.183	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.371	0.732	LOQ	mg/kg	
	SILVER	J	0.0750	0.183	LOQ	mg/kg	
	SODIUM	J	53.8	73.2	LOQ	mg/kg	
	THALLIUM	J	0.0499	0.183	LOQ	mg/kg	

Method: 7471B

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU11-S001-00-01	MERCURY	J	0.0569	0.137	LOQ	mg/kg	J (all detects)
DU11-S003-00-01	MERCURY	J	0.0195	0.109	LOQ	mg/kg	J (all detects)
DU11-S004-00-01	MERCURY	J	0.0283	0.112	LOQ	mg/kg	J (all detects)
DU11-S005-00-01	MERCURY	J	0.0494	0.123	LOQ	mg/kg	J (all detects)
DU11-S006-00-01	MERCURY	J	0.157	0.299	LOQ	mg/kg	J (all detects)
DU11-S007-00-01	MERCURY	J	0.0842	0.133	LOQ	mg/kg	J (all detects)
DU11-S008-00-01	MERCURY	J	0.0226	0.115	LOQ	mg/kg	J (all detects)
DU11-S009-00-01	MERCURY	J	0.0196	0.108	LOQ	mg/kg	J (all detects)
DU11-S010-00-01	MERCURY	J	0.0382	0.135	LOQ	mg/kg	J (all detects)
DU11-S011-00-01	MERCURY	J	0.0404	0.108	LOQ	mg/kg	J (all detects)
DU11-S012-00-01	MERCURY	J	0.0255	0.111	LOQ	mg/kg	J (all detects)
DU11-S014-00-01	MERCURY	J	0.0531	0.113	LOQ	mg/kg	J (all detects)
DU11-S015-00-01	MERCURY	J	0.0458	0.109	LOQ	mg/kg	J (all detects)
DU11-S016-00-01	MERCURY	J	0.0431	0.121	LOQ	mg/kg	J (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU11-S001-00-01	3/4-Methylphenol [m/p-Cresol]	J	0.031	0.047	LOQ	mg/kg	J (all detects)
	BENZALDEHYDE	J	0.13	0.23	LOQ	mg/kg	
	BENZOIC ACID	J	0.40	0.70	LOQ	mg/kg	
DU11-S002-00-01	1-METHYLNAPHTHALENE	J	0.004	0.018	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.005	0.018	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.015	0.018	LOQ	mg/kg	
	CARBAZOLE	J	0.017	0.034	LOQ	mg/kg	
	NAPHTHALENE	J	0.009	0.018	LOQ	mg/kg	
DU11-S003-00-01	ACENAPHTHYLENE	J	1.7	3.7	LOQ	mg/kg	J (all detects)
DU11-S005-00-01	1-METHYLNAPHTHALENE	J	0.014	0.021	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.010	0.021	LOQ	mg/kg	
	BENZALDEHYDE	J	0.10	0.20	LOQ	mg/kg	
	BENZOIC ACID	J	0.37	0.61	LOQ	mg/kg	
	DIBENZOFURAN	J	0.028	0.041	LOQ	mg/kg	
	NAPHTHALENE	J	0.018	0.021	LOQ	mg/kg	
DU11-S005-00-01-X	1-METHYLNAPHTHALENE	J	0.025	0.11	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.026	0.11	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.037	0.11	LOQ	mg/kg	
	BENZOIC ACID	J	2.6	3.1	LOQ	mg/kg	
	CARBAZOLE	J	0.14	0.21	LOQ	mg/kg	
	NAPHTHALENE	J	0.053	0.11	LOQ	mg/kg	
DU11-S006-00-01	1-METHYLNAPHTHALENE	J	0.014	0.051	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.016	0.051	LOQ	mg/kg	
	BENZALDEHYDE	J	0.21	0.50	LOQ	mg/kg	
	BENZOIC ACID	J	0.51	1.5	LOQ	mg/kg	
	NAPHTHALENE	J	0.034	0.051	LOQ	mg/kg	
DU11-S006-00-01-X	ACENAPHTHENE	J	0.11	0.51	LOQ	mg/kg	J (all detects)
	ANTHRACENE	J	0.24	0.51	LOQ	mg/kg	
	BENZOIC ACID	J	12	15	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.26	0.51	LOQ	mg/kg	
	FLUORENE	J	0.11	0.51	LOQ	mg/kg	
	NAPHTHALENE	J	0.12	0.51	LOQ	mg/kg	
DU11-S008-00-01	2-METHYLNAPHTHALENE	J	0.004	0.019	LOQ	mg/kg	J (all detects)
DU11-S009-00-01	ACENAPHTHENE	J	0.018	0.020	LOQ	mg/kg	J (all detects)
	DIBENZO(A,H)ANTHRACENE	J	0.011	0.020	LOQ	mg/kg	
	FLUORENE	J	0.014	0.020	LOQ	mg/kg	
	NAPHTHALENE	J	0.006	0.020	LOQ	mg/kg	
DU11-S010-00-01	1-METHYLNAPHTHALENE	J	0.008	0.023	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.011	0.023	LOQ	mg/kg	
	BENZOIC ACID	J	0.32	0.68	LOQ	mg/kg	
	NAPHTHALENE	J	0.022	0.023	LOQ	mg/kg	
DU11-S011-00-01	ACENAPHTHENE	J	0.017	0.020	LOQ	mg/kg	J (all detects)
	ANTHRACENE	J	0.019	0.020	LOQ	mg/kg	
	Benzo (g,h,i) perylene	J	0.019	0.020	LOQ	mg/kg	
	BENZOIC ACID	J	0.21	0.58	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.016	0.020	LOQ	mg/kg	
	FLUORENE	J	0.015	0.020	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU11-S012-00-01	ACENAPHTHENE	J	0.012	0.019	LOQ	mg/kg	
	ANTHRACENE	J	0.016	0.019	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.012	0.019	LOQ	mg/kg	J (all detects)
	FLUORENE	J	0.011	0.019	LOQ	mg/kg	
	NAPHTHALENE	J	0.004	0.019	LOQ	mg/kg	
DU11-S013-00-01	ACENAPHTHENE	J	0.018	0.019	LOQ	mg/kg	J (all detects)
	FLUORENE	J	0.013	0.019	LOQ	mg/kg	
DU11-S014-00-01	ACENAPHTHENE	J	0.010	0.020	LOQ	mg/kg	J (all detects)
	ANTHRACENE	J	0.016	0.020	LOQ	mg/kg	
	FLUORENE	J	0.010	0.020	LOQ	mg/kg	
	NAPHTHALENE	J	0.005	0.020	LOQ	mg/kg	
DU11-S015-00-01	ACENAPHTHENE	J	0.013	0.020	LOQ	mg/kg	
	ANTHRACENE	J	0.014	0.020	LOQ	mg/kg	
	BENZOIC ACID	J	0.25	0.59	LOQ	mg/kg	J (all detects)
	DIBENZO(A,H)ANTHRACENE	J	0.012	0.020	LOQ	mg/kg	
	FLUORENE	J	0.013	0.020	LOQ	mg/kg	
DU11-S016-00-01	ACENAPHTHENE	J	0.013	0.021	LOQ	mg/kg	
	ANTHRACENE	J	0.020	0.021	LOQ	mg/kg	
	BENZOIC ACID	J	0.46	0.61	LOQ	mg/kg	J (all detects)
	FLUORENE	J	0.01	0.021	LOQ	mg/kg	
	NAPHTHALENE	J	0.006	0.021	LOQ	mg/kg	

Method: 8270D SIM

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU11-S002-00-01	1-METHYLNAPHTHALENE	J	0.0039	0.0086	LOQ	mg/kg	
	2-METHYLNAPHTHALENE	J	0.0055	0.0086	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.0049	0.0086	LOQ	mg/kg	J (all detects)
	NAPHTHALENE	J	0.0085	0.0086	LOQ	mg/kg	
DU11-S005-00-01	1-METHYLNAPHTHALENE	J	0.0084	0.010	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.0097	0.010	LOQ	mg/kg	
DU11-S006-00-01-X	1-METHYLNAPHTHALENE	J	0.012	0.025	LOQ	mg/kg	
	2-METHYLNAPHTHALENE	J	0.017	0.025	LOQ	mg/kg	J (all detects)
	ACENAPHTHYLENE	J	0.0088	0.025	LOQ	mg/kg	
DU11-S008-00-01	ACENAPHTHYLENE	J	0.00096	0.0019	LOQ	mg/kg	J (all detects)
DU11-S009-00-01	1-METHYLNAPHTHALENE	J	0.0010	0.0019	LOQ	mg/kg	
	2-METHYLNAPHTHALENE	J	0.0012	0.0019	LOQ	mg/kg	J (all detects)
	ACENAPHTHYLENE	J	0.00055	0.0019	LOQ	mg/kg	
DU11-S009-00-01-X	ACENAPHTHYLENE	J	0.0012	0.0019	LOQ	mg/kg	J (all detects)
DU11-S010-00-01	1-METHYLNAPHTHALENE	J	0.0063	0.011	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.010	0.011	LOQ	mg/kg	
DU11-S011-00-01	1-METHYLNAPHTHALENE	J	0.0014	0.0019	LOQ	mg/kg	
	2-METHYLNAPHTHALENE	J	0.0015	0.0019	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.0016	0.0019	LOQ	mg/kg	J (all detects)
	NAPHTHALENE	J	0.0018	0.0019	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**

Matrix: **SOIL**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
DU11-S012-00-01	1-METHYLNAPHTHALENE	J	0.0015	0.0019	LOQ	mg/kg	J (all detects)
	ACENAPHTHYLENE	J	0.0014	0.0019	LOQ	mg/kg	
DU11-S013-00-01	1-METHYLNAPHTHALENE	J	0.0011	0.0018	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.0011	0.0018	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.0011	0.0018	LOQ	mg/kg	
	NAPHTHALENE	J	0.0014	0.0018	LOQ	mg/kg	
DU11-S014-00-01	1-METHYLNAPHTHALENE	J	0.0018	0.0020	LOQ	mg/kg	J (all detects)
	ACENAPHTHYLENE	J	0.0019	0.0020	LOQ	mg/kg	
DU11-S015-00-01	1-METHYLNAPHTHALENE	J	0.0013	0.0020	LOQ	mg/kg	J (all detects)
	2-METHYLNAPHTHALENE	J	0.0014	0.0020	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.0015	0.0020	LOQ	mg/kg	
	NAPHTHALENE	J	0.0018	0.0020	LOQ	mg/kg	

Method Blank Outlier Report

Lab Reporting Batch ID: APP51 **Laboratory: LLL**

EDD Filename: APP51-A_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**
Matrix: **SOIL**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P17863DB178063704	7/24/2017 1:12:00 PM	SODIUM	18.2 mg/kg	DU11-S001-00-01 DU11-S002-00-01 DU11-S003-00-01 DU11-S004-00-01 DU11-S005-00-01 DU11-S006-00-01 DU11-S007-00-01 DU11-S008-00-01 DU11-S009-00-01 DU11-S010-00-01 DU11-S011-00-01 DU11-S012-00-01 DU11-S013-00-01 DU11-S014-00-01 DU11-S015-00-01 DU11-S016-00-01

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
DU11-S004-00-01(Initial)	SODIUM	89.0 mg/kg	89.0U mg/kg
DU11-S009-00-01(Initial)	SODIUM	62.3 mg/kg	68.9U mg/kg
DU11-S010-00-01(Initial)	SODIUM	81.6 mg/kg	94.3U mg/kg
DU11-S011-00-01(Initial)	SODIUM	86.6 mg/kg	86.6U mg/kg
DU11-S012-00-01(Initial)	SODIUM	67.9 mg/kg	69.9U mg/kg
DU11-S013-00-01(Initial)	SODIUM	65.3 mg/kg	65.3U mg/kg
DU11-S014-00-01(Initial)	SODIUM	81.2 mg/kg	81.2U mg/kg
DU11-S015-00-01(Initial)	SODIUM	59.8 mg/kg	83.0U mg/kg
DU11-S016-00-01(Initial)	SODIUM	53.8 mg/kg	73.2U mg/kg

Method: **8270D SIM**
Matrix: **SOIL**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
PLKLC21B212SLC026	8/7/2017 10:55:00 AM	NAPHTHALENE	0.0014 mg/kg	DU11-S009-00-01-X

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Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page	1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.		
Laboratory SDG:	APP53		
Date(s) of Collection:	June 7th, 2017		
Number/Type Samples & Analyses:	2 soil samples for a project-specific list of SVOCs and PAHs		
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA		
Completed:	August 21th, 2017		

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for soil data included in Sample Delivery Group (SDG) APP53. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017.

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✓ Holding times and sample preservation

✓ Laboratory method blank data

✓ Field rinsate blank data

NA Trip blank data

✓ Laboratory control sample (LCS) recoveries

✓ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✓ Surrogate recoveries

✓ Laboratory duplicate results

NA Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of "J" data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

All the soil samples were run for regular 8270 and 8270 SIM. The final results will be presented in 8270 SIM.

The following table defines the data qualifiers assigned by ADR.

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP53 **Laboratory: LLL**

EDD Filename: APP53-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Validation Area	*Note*
Technical Holding Times	A
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	A
Surrogate/Tracer Spikes	A
Matrix Spike/Matrix Spike Duplicates	N
Laboratory Duplicates	N
Laboratory Replicates	N
Laboratory Control Samples	SR
Compound Quantitation	SR
Field Duplicates	N
Field Triplicates	N
Field Blanks	A

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP53 **Laboratory: LLL**

EDD Filename: APP53-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** SOIL

Sample ID: DU14-S011-00-01 **Collected:** 6/7/2017 10:15:00 AM **Analysis Type:** Initial-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	0.41	J	0.68	LOD	0.68	LOQ	mg/kg	J	RI

Sample ID: DU14-S011-00-01 **Collected:** 6/7/2017 10:15:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.009	U	0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.010	J	0.009	LOD	0.023	LOQ	mg/kg	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.038		0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.032		0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.039		0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.054		0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.031		0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.048		0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.01	J	0.009	LOD	0.023	LOQ	mg/kg	NP	RI, ProfJudg
FLUORANTHENE	0.085		0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.012	J	0.009	LOD	0.023	LOQ	mg/kg	NP	RI, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.029		0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.005	J	0.009	LOD	0.023	LOQ	mg/kg	NP	RI, ProfJudg
PHENANTHRENE	0.044		0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.074		0.009	LOD	0.023	LOQ	mg/kg	NP	ProfJudg

Sample ID: DU14-S011-01-10 **Collected:** 6/7/2017 10:25:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
2-METHYLNAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ACENAPHTHYLENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP53 **Laboratory: LLL**

EDD Filename: APP53-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix: SOIL**

Sample ID: DU14-S011-01-10 **Collected:** 6/7/2017 10:25:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
Benzo (g,h,i) perylene	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(A)PYRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
CHRYSENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
FLUORANTHENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
FLUORENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
NAPHTHALENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PHENANTHRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg
PYRENE	0.008	U	0.008	LOD	0.020	LOQ	mg/kg	NP	ProfJudg

Method Category: SVOA

Method: 8270D SIM **Matrix: SOIL**

Sample ID: DU14-S011-00-01 **Collected:** 6/7/2017 10:15:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.0013	J	0.0018	LOD	0.0023	LOQ	mg/kg	J	RI
2-METHYLNAPHTHALENE	0.0018	J	0.0018	LOD	0.0023	LOQ	mg/kg	J	RI
ACENAPHTHENE	0.0021	J	0.0018	LOD	0.0023	LOQ	mg/kg	J	RI
ACENAPHTHYLENE	0.0010	J	0.0018	LOD	0.0023	LOQ	mg/kg	J	RI

Sample ID: DU14-S011-01-10 **Collected:** 6/7/2017 10:25:00 AM **Analysis Type:** Initial-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.0013	J	0.0016	LOD	0.0019	LOQ	mg/kg	J	RI
ANTHRACENE	0.00047	J	0.0016	LOD	0.0019	LOQ	mg/kg	J	RI
CHRYSENE	0.00044	J	0.0016	LOD	0.0019	LOQ	mg/kg	J	RI
FLUORANTHENE	0.0012	J	0.0016	LOD	0.0019	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP53 **Laboratory: LLL**

EDD Filename: APP53-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **SOIL**

Sample ID: **DU14-S011-01-10** ***Collected:*** **6/7/2017 10:25:00 AM** ***Analysis Type:*** **Initial-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
FLUORENE	0.00098	J	0.0016	LOD	0.0019	LOQ	mg/kg	J	RI
PHENANTHRENE	0.0018	J	0.0016	LOD	0.0019	LOQ	mg/kg	J	RI
PYRENE	0.0011	J	0.0016	LOD	0.0019	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP53 **Laboratory: LLL**

EDD Filename: APP53-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Reason Code Legend

Reason Code	*Description*
Lcs	Laboratory Control Spike Upper Estimation
ProfJudg	Professional Judgment
RI	Reporting Limit Trace Value

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP53 **Laboratory: LLL**

EDD Filename: APP53-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D**
Matrix: **SOIL**

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P4LBLCSQ164SLB026 (DU14-S011-00-01 DU14-S011-01-10)	2-CHLORONAPHTHALENE	115	-	41.00-114.00	-	2-CHLORONAPHTHALENE	J+ (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP53 **Laboratory: LLL**

EDD Filename: APP53-A_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU14-S011-00-01	ANTHRACENE	J	0.010	0.023	LOQ	mg/kg	
	BENZOIC ACID	J	0.41	0.68	LOQ	mg/kg	
	DIBENZO(A,H)ANTHRACENE	J	0.01	0.023	LOQ	mg/kg	J (all detects)
	FLUORENE	J	0.012	0.023	LOQ	mg/kg	
	NAPHTHALENE	J	0.005	0.023	LOQ	mg/kg	

Method: 8270D SIM

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU14-S011-00-01	1-METHYLNAPHTHALENE	J	0.0013	0.0023	LOQ	mg/kg	
	2-METHYLNAPHTHALENE	J	0.0018	0.0023	LOQ	mg/kg	J (all detects)
	ACENAPHTHENE	J	0.0021	0.0023	LOQ	mg/kg	
	ACENAPHTHYLENE	J	0.0010	0.0023	LOQ	mg/kg	
DU14-S011-01-10	2-METHYLNAPHTHALENE	J	0.0013	0.0019	LOQ	mg/kg	
	ANTHRACENE	J	0.00047	0.0019	LOQ	mg/kg	
	CHRYSENE	J	0.00044	0.0019	LOQ	mg/kg	
	FLUORANTHENE	J	0.0012	0.0019	LOQ	mg/kg	J (all detects)
	FLUORENE	J	0.00098	0.0019	LOQ	mg/kg	
	PHENANTHRENE	J	0.0018	0.0019	LOQ	mg/kg	
	PYRENE	J	0.0011	0.0019	LOQ	mg/kg	

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Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page	1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.		
Laboratory SDG:	APP54		
Date(s) of Collection:	June 21st, 2017		
Number/Type Samples & Analyses:	6 ground water samples plus 1 MS/MSD and 1 field duplicate for a project-specific list of SVOCs, PAHs, PCBs, hexavalent chromium, and metals		
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA		
Completed:	November 18th, 2017		

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for ground water data included in Sample Delivery Group (SDG) APP54. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✓ Holding times and sample preservation

✓ Laboratory method blank data

NA Field rinsate blank data

NA Trip blank data

✗ Laboratory control sample (LCS) recoveries

✗ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✓ Surrogate recoveries

✗ Laboratory duplicate results

✗ Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of "J" data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

All the ground water samples were run for 8270 SIM and regular 8270. The final results will be presented in SVOC SIM.

During the initial run for method 8082A, the LCS, MS and MSD (for samples CH-MW039-02 plus MS/MSD, CH-MW040-02, and CH-MW040-02D) had not been spiked with the PCB compounds. The surrogates were within specifications, and there were no detects for PCBs. The samples were re-extracted with the proper spikes added to the LCS, MS and MSD. The LCS and MS/MSD were within specifications on the re-extracted batch. The re-analysis results will be reported as the final results.

Sample CH-MW038-02 was analyzed twice for 8270D SIM because of low surrogate recovery. The sample was re-extracted outside method holding time. The initial results will be presented as the final results.

This data package was revised 11/9/2017 due to the Eurofins SW6020A metals data breach. The majority of the data changes were made to Quality Control (QC) and/or calibration checks, not to actual sample results. The few field sample result changes were due to the originally reported result exceeding the linear calibration range of the instrument; those results were changed to be slightly lower than the upper limit of the calibration range.

In this package, the percent recovery for antimony in the initial calibration verification was slightly above QC specification.

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP54 **Laboratory: LLL**

EDD Filename: APP54-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Validation Area	*Note*
Technical Holding Times	SR
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	A
Surrogate/Tracer Spikes	SR
Matrix Spike/Matrix Spike Duplicates	SR
Laboratory Duplicates	SR
Laboratory Replicates	N
Laboratory Control Samples	SR
Compound Quantitation	SR
Field Duplicates	SR
Field Triplicates	N
Field Blanks	N

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP54 **Laboratory: LLL**

EDD Filename: APP54-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** WATER

Sample ID: CH-MW036-02 **Collected:** 6/21/2017 1:30:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	3.1	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
BERYLLIUM	0.11	J	0.25	LOD	1.0	LOQ	ug/L	J	Rl
COPPER	2.3	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
ZINC	27.4	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl
LEAD	1.5	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl

Sample ID: CH-MW038-02 **Collected:** 6/21/2017 3:55:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	32.9	J	50.0	LOD	200	LOQ	ug/L	J	Rl
IRON	39.9	J	100	LOD	200	LOQ	ug/L	J	Rl
NICKEL	1.8	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
VANADIUM	0.33	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl

Sample ID: CH-MW039-02 **Collected:** 6/21/2017 9:00:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.18	J	0.25	LOD	1.0	LOQ	ug/L	J	Rl
COBALT	0.57	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
LEAD	0.40	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
NICKEL	1.0	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
SODIUM	17900		100	LOD	400	LOQ	ug/L	J-	Ms
VANADIUM	0.39	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl, Ld

Sample ID: CH-MW040-02 **Collected:** 6/21/2017 10:40:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	135	J	50.0	LOD	200	LOQ	ug/L	J	Rl
CADMIUM	0.17	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl, Fd
COBALT	0.48	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
COPPER	2.0	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
IRON	162	J	100	LOD	200	LOQ	ug/L	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP54 **Laboratory: LLL**

EDD Filename: APP54-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** WATER

Sample ID: CH-MW040-02 **Collected:** 6/21/2017 10:40:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NICKEL	2.1	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
VANADIUM	0.27	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl, Fd

Sample ID: CH-MW040-02D **Collected:** 6/21/2017 10:40:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	141	J	50.0	LOD	200	LOQ	ug/L	J	Rl
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	Fd
COBALT	0.58	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
COPPER	1.9	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
IRON	146	J	100	LOD	200	LOQ	ug/L	J	Rl
NICKEL	1.9	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
VANADIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	Fd

Sample ID: CH-MW041-02 **Collected:** 6/21/2017 2:55:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.80	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
BERYLLIUM	0.37	J	0.25	LOD	1.0	LOQ	ug/L	J	Rl
COPPER	3.4	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	0.12	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
VANADIUM	0.34	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
ZINC	17.2	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl

Sample ID: CH-MW042-02 **Collected:** 6/21/2017 11:55:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
VANADIUM	0.47	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
ZINC	4.0	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP54 **Laboratory: LLL**

EDD Filename: APP54-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8082A** ***Matrix:*** **WATER**

Sample ID: **CH-MW039-02** ***Collected:*** **6/21/2017 9:00:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR 1016	0.24	U	0.24	LOD	0.40	LOQ	ug/L	NP	Ms, Lcs, ProfJudg
AROCLOR 1221	0.24	U	0.24	LOD	0.40	LOQ	ug/L	NP	ProfJudg
AROCLOR 1232	0.32	U	0.32	LOD	0.40	LOQ	ug/L	NP	ProfJudg
AROCLOR 1242	0.24	U	0.24	LOD	0.40	LOQ	ug/L	NP	ProfJudg
AROCLOR 1248	0.24	U	0.24	LOD	0.40	LOQ	ug/L	NP	ProfJudg
AROCLOR 1254	0.24	U	0.24	LOD	0.40	LOQ	ug/L	NP	ProfJudg
AROCLOR 1260	0.24	U	0.24	LOD	0.40	LOQ	ug/L	NP	Ms, Lcs, ProfJudg
Aroclor 1262	0.32	U	0.32	LOD	0.40	LOQ	ug/L	NP	ProfJudg
Aroclor 1268	0.26	U	0.26	LOD	0.40	LOQ	ug/L	NP	ProfJudg

Sample ID: **CH-MW040-02** ***Collected:*** **6/21/2017 10:40:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR 1016	0.25	U	0.25	LOD	0.41	LOQ	ug/L	NP	Lcs, ProfJudg
AROCLOR 1221	0.25	U	0.25	LOD	0.41	LOQ	ug/L	NP	ProfJudg
AROCLOR 1232	0.33	U	0.33	LOD	0.41	LOQ	ug/L	NP	ProfJudg
AROCLOR 1242	0.25	U	0.25	LOD	0.41	LOQ	ug/L	NP	ProfJudg
AROCLOR 1248	0.25	U	0.25	LOD	0.41	LOQ	ug/L	NP	ProfJudg
AROCLOR 1254	0.25	U	0.25	LOD	0.41	LOQ	ug/L	NP	ProfJudg
AROCLOR 1260	0.25	U	0.25	LOD	0.41	LOQ	ug/L	NP	Lcs, ProfJudg
Aroclor 1262	0.33	U	0.33	LOD	0.41	LOQ	ug/L	NP	ProfJudg
Aroclor 1268	0.26	U	0.26	LOD	0.41	LOQ	ug/L	NP	ProfJudg

Sample ID: **CH-MW040-02D** ***Collected:*** **6/21/2017 10:40:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR 1016	0.24	U	0.24	LOD	0.40	LOQ	ug/L	NP	Lcs, ProfJudg
AROCLOR 1221	0.24	U	0.24	LOD	0.40	LOQ	ug/L	NP	ProfJudg
AROCLOR 1232	0.32	U	0.32	LOD	0.40	LOQ	ug/L	NP	ProfJudg
AROCLOR 1242	0.24	U	0.24	LOD	0.40	LOQ	ug/L	NP	ProfJudg
AROCLOR 1248	0.24	U	0.24	LOD	0.40	LOQ	ug/L	NP	ProfJudg
AROCLOR 1254	0.24	U	0.24	LOD	0.40	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP54 **Laboratory: LLL**

EDD Filename: APP54-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8082A **Matrix:** WATER

Sample ID: CH-MW040-02D **Collected:** 6/21/2017 10:40:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR 1260	0.24	U	0.24	LOD	0.40	LOQ	ug/L	NP	Lcs, ProfJudg
Aroclor 1262	0.32	U	0.32	LOD	0.40	LOQ	ug/L	NP	ProfJudg
Aroclor 1268	0.26	U	0.26	LOD	0.40	LOQ	ug/L	NP	ProfJudg

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW036-02 **Collected:** 6/21/2017 1:30:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP54 **Laboratory: LLL**

EDD Filename: APP54-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW038-02 **Collected:** 6/21/2017 3:55:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.52	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW039-02 **Collected:** 6/21/2017 9:00:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP54 **Laboratory: LLL**

EDD Filename: APP54-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW039-02 **Collected:** 6/21/2017 9:00:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIMETHYL PHTHALATE	4.0	U	4.0	LOD	5.1	LOQ	ug/L	UJ	Ms
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW040-02 **Collected:** 6/21/2017 10:40:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.42	U	0.42	LOD	0.53	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP54 **Laboratory: LLL**

EDD Filename: APP54-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW040-02D **Collected:** 6/21/2017 10:40:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW041-02 **Collected:** 6/21/2017 2:55:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP54 **Laboratory: LLL**

EDD Filename: APP54-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW041-02 **Collected:** 6/21/2017 2:55:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.43	U	0.43	LOD	0.54	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
PYRENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW042-02 **Collected:** 6/21/2017 11:55:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.44	U	0.44	LOD	0.55	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
PYRENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP54 **Laboratory: LLL**

EDD Filename: APP54-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-MW036-02 **Collected:** 6/21/2017 1:30:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.011	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
ACENAPHTHENE	0.027	J	0.040	LOD	0.050	LOQ	ug/L	J	RI, Lcs
NAPHTHALENE	0.040	J	0.060	LOD	0.060	LOQ	ug/L	J	RI

Sample ID: CH-MW038-02 **Collected:** 6/21/2017 3:55:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NAPHTHALENE	0.034	J	0.062	LOD	0.062	LOQ	ug/L	J	RI

Sample ID: CH-MW038-02-X **Collected:** 6/21/2017 3:55:00 PM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.044	U	0.044	LOD	0.055	LOQ	ug/L	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.044	U	0.044	LOD	0.055	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHENE	0.044	U	0.044	LOD	0.055	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.044	U	0.044	LOD	0.055	LOQ	ug/L	NP	StoE, ProfJudg
ANTHRACENE	0.044	U	0.044	LOD	0.055	LOQ	ug/L	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.044	U	0.044	LOD	0.055	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.044	U	0.044	LOD	0.055	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.044	U	0.044	LOD	0.055	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(G,H,I)PERYLENE	0.044	U	0.044	LOD	0.055	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.044	U	0.044	LOD	0.055	LOQ	ug/L	NP	StoE, ProfJudg
CHRYSENE	0.044	U	0.044	LOD	0.055	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.044	U	0.044	LOD	0.055	LOQ	ug/L	NP	StoE, ProfJudg
FLUORANTHENE	0.044	U	0.044	LOD	0.055	LOQ	ug/L	NP	StoE, ProfJudg
FLUORENE	0.044	U	0.044	LOD	0.055	LOQ	ug/L	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.044	U	0.044	LOD	0.055	LOQ	ug/L	NP	StoE, ProfJudg
NAPHTHALENE	0.066	U	0.066	LOD	0.066	LOQ	ug/L	NP	StoE, ProfJudg
PHENANTHRENE	0.066	U	0.066	LOD	0.066	LOQ	ug/L	NP	StoE, ProfJudg
PYRENE	0.044	U	0.044	LOD	0.055	LOQ	ug/L	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP54 **Laboratory: LLL**

EDD Filename: APP54-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-MW040-02 **Collected:** 6/21/2017 10:40:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.011	J	0.042	LOD	0.053	LOQ	ug/L	J	Rl, Fd
NAPHTHALENE	0.036	J	0.063	LOD	0.063	LOQ	ug/L	J	Rl

Sample ID: CH-MW040-02D **Collected:** 6/21/2017 10:40:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	UJ	Fd
NAPHTHALENE	0.036	J	0.061	LOD	0.061	LOQ	ug/L	J	Rl

Sample ID: CH-MW042-02 **Collected:** 6/21/2017 11:55:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.012	J	0.044	LOD	0.055	LOQ	ug/L	J	Rl
2-METHYLNAPHTHALENE	0.017	J	0.044	LOD	0.055	LOQ	ug/L	J	Rl
ACENAPHTHENE	0.024	J	0.044	LOD	0.055	LOQ	ug/L	J	Rl, Lcs
FLUORENE	0.035	J	0.044	LOD	0.055	LOQ	ug/L	J	Rl
NAPHTHALENE	0.039	J	0.066	LOD	0.066	LOQ	ug/L	J	Rl
PHENANTHRENE	0.047	J	0.066	LOD	0.066	LOQ	ug/L	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP54 **Laboratory: LLL**

EDD Filename: APP54-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Reason Code Legend

Reason Code	*Description*
Fd	Field Duplicate Precision
Lcs	Laboratory Control Spike Lower Estimation
Lcs	Laboratory Control Spike Upper Estimation
Ld	Laboratory Duplicate Precision
Ms	Matrix Spike Lower Estimation
Ms	Matrix Spike Upper Estimation
ProfJudg	Professional Judgment
RI	Reporting Limit Trace Value
StoE	Sampling to Extraction Rejection
Surr	Surrogate/Tracer Recovery Lower Estimation

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

QC Outlier Report: HoldingTimes

Lab Reporting Batch ID: APP54 **Laboratory: LLL**

EDD Filename: APP54-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D SIM **Preparation Method: SW3510C**

Matrix: WATER

Sample ID	*Type*	*Actual*	*Criteria*	*Units*	*Flag*
CH-MW038-02-X (Reanalysis-01/TO	Sampling To Extraction	35.00	7.00	DAYS	J- (all detects) R (all non-detects)

Surrogate Outlier Report

Lab Reporting Batch ID: APP54 **Laboratory: LLL**

EDD Filename: APP54-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**
Matrix: **WATER**

Sample ID (Analysis Type)	*Surrogate*	*Sample % Recovery*	*% Recovery Limits*	*Affected Compounds*	*Flag*
CH-MW038-02 (Initial/TOT)	BENZO (A) PYRENE-D12	17	26.00-137.00	No Affected Compounds	
CH-MW038-02-X (Reanalysis-01/ TOT)	BENZO (A) PYRENE-D12	23	26.00-137.00	No Affected Compounds	

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP54 **Laboratory: LLL**

EDD Filename: APP54-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: WATER

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-MW039-02MSD (Total) (CH-MW039-02)	SODIUM	-	84	85.00-117.00	-	SODIUM	J- (all detects) UJ (all non-detects)
CH-MW039-02MS (Total) CH-MW039-02MSD (Total) (CH-MW039-02)	ANTIMONY	129	120	85.00-117.00	-	ANTIMONY	J+(all detects)

Method: 8270D
Matrix: WATER

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-MW039-02MS CH-MW039-02MSD (CH-MW039-02)	DIMETHYL PHTHALATE	42	44	45.00-127.00	-	DIMETHYL PHTHALATE	J-(all detects) UJ(all non-detects)

Method: 8082A
Matrix: WATER

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-MW039-02MS CH-MW039-02MSD (CH-MW039-02)	AROCLOR 1016 AROCLOR 1260	0 0	0 0	46.00-129.00 45.00-134.00	- -	AROCLOR 1016 AROCLOR 1260	J-(all detects) UJ(all non-detects)

Method: 8270D SIM
Matrix: WATER

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-MW039-02MS CH-MW039-02MSD (CH-MW039-02)	ACENAPHTHENE	121	122	48.00-114.00	-	ACENAPHTHENE	J+(all detects)

Lab Duplicate Outlier Report

Lab Reporting Batch ID: APP54 **Laboratory: LLL**

EDD Filename: APP54-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: WATER

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
CH-MW039-02DUP (Total) (CH-MW039-02)	VANADIUM	51	20.00	J (all detects) UJ (all non-detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: APP54 **Laboratory: LLL**

EDD Filename: APP54-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: WATER

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-MW040-02 (Total)	CH-MW040-02D (Total)			
ALUMINUM	135	141	4	30.00	
BARIUM	16.9	18.7	10	30.00	
CALCIUM	23900	21600	10	30.00	
COBALT	0.48	0.58	19	30.00	
COPPER	2.0	1.9	5	30.00	
IRON	162	146	10	30.00	No Qualifiers Applied
MAGNESIUM	2700	2690	0	30.00	
MANGANESE	58.7	59.3	1	30.00	
NICKEL	2.1	1.9	10	30.00	
POTASSIUM	615	606	1	30.00	
SODIUM	19300	19000	2	30.00	
CADMIUM	0.17	1.0 U	200	30.00	J(all detects)
VANADIUM	0.27	1.0 U	200	30.00	UJ(all non-detects)

Method: 8270D SIM
Matrix: WATER

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-MW040-02	CH-MW040-02D			
NAPHTHALENE	0.036	0.036	0	30.00	No Qualifiers Applied
ANTHRACENE	0.011	0.051 U	200	30.00	J(all detects) UJ(all non-detects)

Method: SM 2340B
Matrix: WATER

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-MW040-02	CH-MW040-02D			
HARDNESS (AS CACO3)	70900	64900	9	30.00	No Qualifiers Applied

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP54 **Laboratory: LLL**

EDD Filename: APP54-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8082A
Matrix: WATER

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P71788AQ171780028A (CH-MW039-02 CH-MW040-02 CH-MW040-02D)	AROCLOR 1016 AROCLOR 1260	0 0	- -	46.00-129.00 45.00-134.00	- -	AROCLOR 1016 AROCLOR 1260	J- (all detects) UJ (all non-detects)

Method: 8270D SIM
Matrix: WATER

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P4WGLCSQ194WAG026 (CH-MW036-02 CH-MW038-02 CH-MW039-02 CH-MW040-02 CH-MW040-02D CH-MW041-02 CH-MW042-02)	ACENAPHTHENE	115	-	48.00-114.00	-	ACENAPHTHENE	J+(all detects)
P7WALCSQ207WAA026 P7WALCSY207WAA026 (CH-MW038-02-X)	2-METHYLNAPHTHALENE	127	134	39.00-114.00	-	2-METHYLNAPHTHALENE	J+(all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP54 **Laboratory: LLL**

EDD Filename: APP54-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-MW036-02	ARSENIC	J	3.1	4.0	LOQ	ug/L	J (all detects)
	BERYLLIUM	J	0.11	1.0	LOQ	ug/L	
	COPPER	J	2.3	4.0	LOQ	ug/L	
	LEAD	J	1.5	2.0	LOQ	ug/L	
	ZINC	J	27.4	30.0	LOQ	ug/L	
CH-MW038-02	ALUMINUM	J	32.9	200	LOQ	ug/L	J (all detects)
	IRON	J	39.9	200	LOQ	ug/L	
	NICKEL	J	1.8	4.0	LOQ	ug/L	
	VANADIUM	J	0.33	1.0	LOQ	ug/L	
CH-MW039-02	BERYLLIUM	J	0.18	1.0	LOQ	ug/L	J (all detects)
	COBALT	J	0.57	1.0	LOQ	ug/L	
	LEAD	J	0.40	2.0	LOQ	ug/L	
	NICKEL	J	1.0	4.0	LOQ	ug/L	
	VANADIUM	J	0.39	1.0	LOQ	ug/L	
CH-MW040-02	ALUMINUM	J	135	200	LOQ	ug/L	J (all detects)
	CADMIUM	J	0.17	1.0	LOQ	ug/L	
	COBALT	J	0.48	1.0	LOQ	ug/L	
	COPPER	J	2.0	4.0	LOQ	ug/L	
	IRON	J	162	200	LOQ	ug/L	
	NICKEL	J	2.1	4.0	LOQ	ug/L	
	VANADIUM	J	0.27	1.0	LOQ	ug/L	
CH-MW040-02D	ALUMINUM	J	141	200	LOQ	ug/L	J (all detects)
	COBALT	J	0.58	1.0	LOQ	ug/L	
	COPPER	J	1.9	4.0	LOQ	ug/L	
	IRON	J	146	200	LOQ	ug/L	
	NICKEL	J	1.9	4.0	LOQ	ug/L	
CH-MW041-02	ARSENIC	J	0.80	4.0	LOQ	ug/L	J (all detects)
	BERYLLIUM	J	0.37	1.0	LOQ	ug/L	
	COPPER	J	3.4	4.0	LOQ	ug/L	
	LEAD	J	0.12	2.0	LOQ	ug/L	
	VANADIUM	J	0.34	1.0	LOQ	ug/L	
	ZINC	J	17.2	30.0	LOQ	ug/L	
CH-MW042-02	VANADIUM	J	0.47	1.0	LOQ	ug/L	J (all detects)
	ZINC	J	4.0	30.0	LOQ	ug/L	

Method: 8270D SIM

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-MW036-02	1-METHYLNAPHTHALENE	J	0.011	0.050	LOQ	ug/L	J (all detects)
	ACENAPHTHENE	J	0.027	0.050	LOQ	ug/L	
	NAPHTHALENE	J	0.040	0.060	LOQ	ug/L	
CH-MW038-02	NAPHTHALENE	J	0.034	0.062	LOQ	ug/L	J (all detects)
CH-MW040-02	ANTHRACENE	J	0.011	0.053	LOQ	ug/L	J (all detects)
	NAPHTHALENE	J	0.036	0.063	LOQ	ug/L	
CH-MW040-02D	NAPHTHALENE	J	0.036	0.061	LOQ	ug/L	J (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP54 **Laboratory: LLL**

EDD Filename: APP54-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**

Matrix: **WATER**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-MW042-02	1-METHYLNAPHTHALENE	J	0.012	0.055	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.017	0.055	LOQ	ug/L	
	ACENAPHTHENE	J	0.024	0.055	LOQ	ug/L	
	FLUORENE	J	0.035	0.055	LOQ	ug/L	
	NAPHTHALENE	J	0.039	0.066	LOQ	ug/L	
	PHENANTHRENE	J	0.047	0.066	LOQ	ug/L	

Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page	1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.		
Laboratory SDG:	APP55		
Date(s) of Collection:	June 21st, 2017		
Number/Type Samples & Analyses:	6 ground water samples plus 1 MS/MSD and 1 field duplicate for a project-specific list of SVOCs, PAHs, PCBs, hexavalent chromium, and metals		
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA		
Completed:	November 21, 2017		

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for ground water data included in Sample Delivery Group (SDG) APP55. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✓ Holding times and sample preservation

✗ Laboratory method blank data

NA Field rinsate blank data

NA Trip blank data

✗ Laboratory control sample (LCS) recoveries

✗ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✓ Surrogate recoveries

✗ Laboratory duplicate results

✗ Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of "J" data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

All samples were run for 8270 SIM and regular 8270. The final results will be presented in SVOC SIM.

The recovery for target analytes on samples CH-MW039-02F, CH-MW040-02F, and CH-MW040-02DF in the laboratory control spikes was outside the QC acceptance limits. The samples were re-extracted and the QC was acceptable. Both sets of results are comparable. The re-analysis results will be presented as final.

This data package was revised 11/9/2017 due to the Eurofins SW6020A metals data breach. The majority of the data changes were made to Quality Control (QC) and/or calibration checks, not to actual sample results. The few field sample result changes were due to the originally reported result exceeding the linear calibration range of the instrument; those results were changed to be slightly lower than the upper limit of the calibration range.

In this package, the result in the continuing calibration blank for calcium changed from 15 ug/l to 100 ug/l. The QC specification is less than the absolute value of 280 ug/l. Calcium results were all more than 10 times the blank value thus no qualifier changes were required.

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
J+	The result is an estimated quantity, but the result may be biased high.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP55 **Laboratory: LLL**

EDD Filename: APP55-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Validation Area	*Note*
Technical Holding Times	A
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	SR
Surrogate/Tracer Spikes	A
Matrix Spike/Matrix Spike Duplicates	SR
Laboratory Duplicates	SR
Laboratory Replicates	N
Laboratory Control Samples	SR
Compound Quantitation	SR
Field Duplicates	SR
Field Triplicates	N
Field Blanks	N

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP55 **Laboratory: LLL**

EDD Filename: APP55-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: GENCHEM

Method: SM 2340B **Matrix: WATER**

Sample ID: CH-MW039-02F **Collected:** 6/21/2017 9:00:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	19500		200	LOD	400	LOQ	ug/L	J	Fd

Sample ID: CH-MW040-02DF **Collected:** 6/21/2017 10:40:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	69000		200	LOD	400	LOQ	ug/L	J	Fd

Method Category: METALS

Method: 6020A **Matrix: WATER**

Sample ID: CH-MW036-02F **Collected:** 6/21/2017 1:30:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	2.9	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
CHROMIUM	0.95	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
ZINC	20.5	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl

Sample ID: CH-MW036-02F **Collected:** 6/21/2017 1:30:00 PM **Analysis Type:** Reanalysis-01/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	24.2	J	50.0	LOD	200	LOQ	ug/L	J	Rl

Sample ID: CH-MW038-02F **Collected:** 6/21/2017 3:55:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NICKEL	1.8	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
VANADIUM	0.33	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl

Sample ID: CH-MW039-02F **Collected:** 6/21/2017 9:00:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.19	J	0.25	LOD	1.0	LOQ	ug/L	J	Rl, Fd
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP55 **Laboratory: LLL**

EDD Filename: APP55-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-MW039-02F** ***Collected:*** **6/21/2017 9:00:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COBALT	0.68	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl, Ld, Fd
COPPER	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	Fd
LEAD	0.31	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl, Fd
MANGANESE	25.3		2.0	LOD	4.0	LOQ	ug/L	J	Ms, Fd
NICKEL	1.2	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl, Fd
POTASSIUM	997		200	LOD	400	LOQ	ug/L	J	Fd
VANADIUM	0.48	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl, Ld, Fd

Sample ID: **CH-MW039-02F** ***Collected:*** **6/21/2017 9:00:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	469		50.0	LOD	200	LOQ	ug/L	J	Fd
CALCIUM	3760		200	LOD	400	LOQ	ug/L	J	Fd
IRON	429		100	LOD	200	LOQ	ug/L	J	Fd

Sample ID: **CH-MW040-02DF** ***Collected:*** **6/21/2017 10:40:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	Fd
CADMIUM	0.25	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl, Fd
COBALT	0.35	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl, Fd
COPPER	1.9	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl, Fd
LEAD	0.25	U	0.25	LOD	2.0	LOQ	ug/L	UJ	Fd
MANGANESE	54.2		2.0	LOD	4.0	LOQ	ug/L	J	Fd
NICKEL	2.1	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl, Fd
POTASSIUM	581		200	LOD	400	LOQ	ug/L	J	Fd
VANADIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	Fd

Sample ID: **CH-MW040-02DF** ***Collected:*** **6/21/2017 10:40:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	64.5	J	50.0	LOD	200	LOQ	ug/L	J	Rl, Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP55 **Laboratory: LLL**

EDD Filename: APP55-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** WATER

Sample ID: CH-MW040-02DF **Collected:** 6/21/2017 10:40:00 AM **Analysis Type:** Reanalysis-01/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	23300		200	LOD	400	LOQ	ug/L	J	Fd
IRON	106	J	100	LOD	200	LOQ	ug/L	J	Rl, Fd

Sample ID: CH-MW040-02F **Collected:** 6/21/2017 10:40:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.17	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
COBALT	0.37	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
COPPER	1.8	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
NICKEL	1.9	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
VANADIUM	0.25	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl

Sample ID: CH-MW040-02F **Collected:** 6/21/2017 10:40:00 AM **Analysis Type:** Reanalysis-01/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	54.9	J	50.0	LOD	200	LOQ	ug/L	J	Rl
IRON	99.6	J	100	LOD	200	LOQ	ug/L	J	Rl

Sample ID: CH-MW041-02F **Collected:** 6/21/2017 2:55:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.38	J	0.25	LOD	1.0	LOQ	ug/L	J	Rl
LEAD	0.13	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
VANADIUM	0.28	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
ZINC	18.5	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl

Sample ID: CH-MW042-02F **Collected:** 6/21/2017 11:55:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
VANADIUM	0.47	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
ZINC	5.5	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP55 **Laboratory: LLL**

EDD Filename: APP55-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7470A **Matrix: WATER**

Sample ID: CH-MW036-02F **Collected:** 6/21/2017 1:30:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.084	J	0.10	LOD	0.20	LOQ	ug/L	U	Mb

Sample ID: CH-MW039-02F **Collected:** 6/21/2017 9:00:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.10	U	0.10	LOD	0.20	LOQ	ug/L	UJ	Ld, Fd

Sample ID: CH-MW040-02DF **Collected:** 6/21/2017 10:40:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.085	J	0.10	LOD	0.20	LOQ	ug/L	UJ	Mb, Fd

Sample ID: CH-MW042-02F **Collected:** 6/21/2017 11:55:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.085	J	0.10	LOD	0.20	LOQ	ug/L	U	Mb

Method Category: SVOA

Method: 8082A **Matrix: WATER**

Sample ID: CH-MW039-02F **Collected:** 6/21/2017 9:00:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR 1016	0.24	U	0.24	LOD	0.40	LOQ	ug/L	NP	Ms, Lcs, ProfJudg
AROCLOR 1221	0.24	U	0.24	LOD	0.40	LOQ	ug/L	NP	ProfJudg
AROCLOR 1232	0.32	U	0.32	LOD	0.40	LOQ	ug/L	NP	ProfJudg
AROCLOR 1242	0.24	U	0.24	LOD	0.40	LOQ	ug/L	NP	ProfJudg
AROCLOR 1248	0.24	U	0.24	LOD	0.40	LOQ	ug/L	NP	ProfJudg
AROCLOR 1254	0.24	U	0.24	LOD	0.40	LOQ	ug/L	NP	ProfJudg
AROCLOR 1260	0.24	U	0.24	LOD	0.40	LOQ	ug/L	NP	Ms, Lcs, ProfJudg
Aroclor 1262	0.32	U	0.32	LOD	0.40	LOQ	ug/L	NP	ProfJudg
Aroclor 1268	0.26	U	0.26	LOD	0.40	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP55 **Laboratory: LLL**

EDD Filename: APP55-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8082A **Matrix: WATER**

Sample ID: CH-MW040-02DF **Collected:** 6/21/2017 10:40:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR 1016	0.25	U	0.25	LOD	0.42	LOQ	ug/L	NP	Lcs, ProfJudg
AROCLOR 1221	0.25	U	0.25	LOD	0.42	LOQ	ug/L	NP	ProfJudg
AROCLOR 1232	0.34	U	0.34	LOD	0.42	LOQ	ug/L	NP	ProfJudg
AROCLOR 1242	0.25	U	0.25	LOD	0.42	LOQ	ug/L	NP	ProfJudg
AROCLOR 1248	0.25	U	0.25	LOD	0.42	LOQ	ug/L	NP	ProfJudg
AROCLOR 1254	0.25	U	0.25	LOD	0.42	LOQ	ug/L	NP	ProfJudg
AROCLOR 1260	0.25	U	0.25	LOD	0.42	LOQ	ug/L	NP	Lcs, ProfJudg
Aroclor 1262	0.34	U	0.34	LOD	0.42	LOQ	ug/L	NP	ProfJudg
Aroclor 1268	0.27	U	0.27	LOD	0.42	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW040-02F **Collected:** 6/21/2017 10:40:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR 1016	0.25	U	0.25	LOD	0.42	LOQ	ug/L	NP	Lcs, ProfJudg
AROCLOR 1221	0.25	U	0.25	LOD	0.42	LOQ	ug/L	NP	ProfJudg
AROCLOR 1232	0.33	U	0.33	LOD	0.42	LOQ	ug/L	NP	ProfJudg
AROCLOR 1242	0.25	U	0.25	LOD	0.42	LOQ	ug/L	NP	ProfJudg
AROCLOR 1248	0.25	U	0.25	LOD	0.42	LOQ	ug/L	NP	ProfJudg
AROCLOR 1254	0.25	U	0.25	LOD	0.42	LOQ	ug/L	NP	ProfJudg
AROCLOR 1260	0.25	U	0.25	LOD	0.42	LOQ	ug/L	NP	Lcs, ProfJudg
Aroclor 1262	0.33	U	0.33	LOD	0.42	LOQ	ug/L	NP	ProfJudg
Aroclor 1268	0.27	U	0.27	LOD	0.42	LOQ	ug/L	NP	ProfJudg

Method Category: SVOA

Method: 8270D **Matrix: WATER**

Sample ID: CH-MW036-02F **Collected:** 6/21/2017 1:30:00 PM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP55 **Laboratory: LLL**

EDD Filename: APP55-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW036-02F **Collected:** 6/21/2017 1:30:00 PM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DI-N-BUTYL PHTHALATE	2.1	J	4.1	LOD	5.1	LOQ	ug/L	J	RI
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW038-02F **Collected:** 6/21/2017 3:55:00 PM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP55 **Laboratory: LLL**

EDD Filename: APP55-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW038-02F **Collected:** 6/21/2017 3:55:00 PM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW039-02F **Collected:** 6/21/2017 9:00:00 AM **Analysis Type:** Initial/DIS-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/L	UJ	Ms

Sample ID: CH-MW039-02F **Collected:** 6/21/2017 9:00:00 AM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP55 **Laboratory: LLL**

EDD Filename: APP55-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW039-02F **Collected:** 6/21/2017 9:00:00 AM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW040-02DF **Collected:** 6/21/2017 10:40:00 AM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW040-02F **Collected:** 6/21/2017 10:40:00 AM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP55 **Laboratory: LLL**

EDD Filename: APP55-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW040-02F **Collected:** 6/21/2017 10:40:00 AM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW041-02F **Collected:** 6/21/2017 2:55:00 PM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP55 **Laboratory: LLL**

EDD Filename: APP55-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW041-02F **Collected:** 6/21/2017 2:55:00 PM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW042-02F **Collected:** 6/21/2017 11:55:00 AM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP55 **Laboratory: LLL**

EDD Filename: APP55-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Reason Code Legend

Reason Code	*Description*
Fd	Field Duplicate Precision
Lcs	Laboratory Control Spike Lower Estimation
Ld	Laboratory Duplicate Precision
Mb	Method Blank Contamination
Ms	Matrix Spike Lower Estimation
Ms	Matrix Spike Precision
Ms	Matrix Spike Upper Estimation
ProfJudg	Professional Judgment
Rl	Reporting Limit Trace Value

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Lab Duplicate Outlier Report

Lab Reporting Batch ID: APP55 **Laboratory: LLL**

EDD Filename: APP55-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: WATER

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
CH-MW039-02FDUP (Dissolved) (CH-MW039-02F)	COBALT VANADIUM	26 200	20.00 20.00	J (all detects) UJ (all non-detects)

Method: 7470A
Matrix: WATER

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
CH-MW039-02FDUP (Dissolved) (CH-MW039-02F)	MERCURY	200	20.00	J(all detects) UJ(all non-detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: APP55 **Laboratory: LLL**

EDD Filename: APP55-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: WATER

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-MW039-02F (Dissolved)	CH-MW040-02DF (Dissolved)			
BARIUM	20.8	15.9	27	30.00	
MAGNESIUM	2450	2630	7	30.00	No Qualifiers Applied
SODIUM	17900	18600	4	30.00	
ALUMINUM	469	64.5	152	30.00	
BERYLLIUM	0.19	1.0 U	200	30.00	
CADMIUM	1.0 U	0.25	200	30.00	
CALCIUM	3760	23300	144	30.00	
COBALT	0.68	0.35	64	30.00	
COPPER	4.0 U	1.9	200	30.00	J(all detects)
IRON	429	106	121	30.00	UJ(all non-detects)
LEAD	0.31	2.0 U	200	30.00	
MANGANESE	25.3	54.2	73	30.00	
NICKEL	1.2	2.1	55	30.00	
POTASSIUM	997	581	53	30.00	
VANADIUM	0.48	1.0 U	200	30.00	

Method: 7470A
Matrix: WATER

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-MW039-02F (Dissolved)	CH-MW040-02DF (Dissolved)			
MERCURY	0.20 U	0.085	200	30.00	J(all detects) UJ(all non-detects)

Method: SM 2340B
Matrix: WATER

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-MW039-02F	CH-MW040-02DF			
HARDNESS (AS CACO3)	19500	69000	112	30.00	J(all detects) UJ(all non-detects)

Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP55 **Laboratory: LLL**

EDD Filename: APP55-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8082A**
Matrix: **WATER**

QC Sample ID (Associated Samples)	*Compound*	*LCS %R*	*LCSD %R*	*%R Limits*	*RPD (Limits)*	*Affected Compounds*	*Flag*
P71789AQ171780029A (CH-MW039-02F CH-MW040-02DF CH-MW040-02F)	AROCLOR 1016 AROCLOR 1260	0 0	- -	46.00-129.00 45.00-134.00	- -	AROCLOR 1016 AROCLOR 1260	J- (all detects) UJ (all non-detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP55 **Laboratory: LLL**

EDD Filename: APP55-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-MW036-02F	ALUMINUM	J	24.2	200	LOQ	ug/L	J (all detects)
	ARSENIC	J	2.9	4.0	LOQ	ug/L	
	CHROMIUM	J	0.95	4.0	LOQ	ug/L	
	ZINC	J	20.5	30.0	LOQ	ug/L	
CH-MW038-02F	NICKEL	J	1.8	4.0	LOQ	ug/L	J (all detects)
	VANADIUM	J	0.33	1.0	LOQ	ug/L	
CH-MW039-02F	BERYLLIUM	J	0.19	1.0	LOQ	ug/L	J (all detects)
	COBALT	J	0.68	1.0	LOQ	ug/L	
	LEAD	J	0.31	2.0	LOQ	ug/L	
	NICKEL	J	1.2	4.0	LOQ	ug/L	
	VANADIUM	J	0.48	1.0	LOQ	ug/L	
CH-MW040-02DF	ALUMINUM	J	64.5	200	LOQ	ug/L	J (all detects)
	CADMIUM	J	0.25	1.0	LOQ	ug/L	
	COBALT	J	0.35	1.0	LOQ	ug/L	
	COPPER	J	1.9	4.0	LOQ	ug/L	
	IRON	J	106	200	LOQ	ug/L	
	NICKEL	J	2.1	4.0	LOQ	ug/L	
CH-MW040-02F	ALUMINUM	J	54.9	200	LOQ	ug/L	J (all detects)
	CADMIUM	J	0.17	1.0	LOQ	ug/L	
	COBALT	J	0.37	1.0	LOQ	ug/L	
	COPPER	J	1.8	4.0	LOQ	ug/L	
	IRON	J	99.6	200	LOQ	ug/L	
	NICKEL	J	1.9	4.0	LOQ	ug/L	
	VANADIUM	J	0.25	1.0	LOQ	ug/L	
CH-MW041-02F	BERYLLIUM	J	0.38	1.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.13	2.0	LOQ	ug/L	
	VANADIUM	J	0.28	1.0	LOQ	ug/L	
	ZINC	J	18.5	30.0	LOQ	ug/L	
CH-MW042-02F	VANADIUM	J	0.47	1.0	LOQ	ug/L	J (all detects)
	ZINC	J	5.5	30.0	LOQ	ug/L	

Method: 7470A

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-MW036-02F	MERCURY	J	0.084	0.20	LOQ	ug/L	J (all detects)
CH-MW040-02DF	MERCURY	J	0.085	0.20	LOQ	ug/L	J (all detects)
CH-MW042-02F	MERCURY	J	0.085	0.20	LOQ	ug/L	J (all detects)

Method: 8270D

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-MW036-02F	DI-N-BUTYL PHTHALATE	J	2.1	5.1	LOQ	ug/L	J (all detects)

Method Blank Outlier Report

Lab Reporting Batch ID: APP55 **Laboratory: LLL**

EDD Filename: APP55-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **7470A**
Matrix: **WATER**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P17671EB176571305	6/29/2017 7:28:00 AM	MERCURY	0.081 ug/L	CH-MW036-02F CH-MW038-02F CH-MW039-02F CH-MW040-02DF CH-MW040-02F CH-MW041-02F CH-MW042-02F

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
CH-MW036-02F(Initial/DIS)	MERCURY	0.084 ug/L	0.20U ug/L
CH-MW040-02DF(Initial/DIS)	MERCURY	0.085 ug/L	0.20U ug/L
CH-MW042-02F(Initial/DIS)	MERCURY	0.085 ug/L	0.20U ug/L

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Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page	1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.		
Laboratory SDG:	APP56		
Date(s) of Collection:	June 22nd, 2017		
Number/Type Samples & Analyses:	15 ground water samples, 3 field duplicates and 1 trip blank for a project-specific list of VOCs, SVOCs, PAHs, hexavalent chromium, metals, and MNA parameters		
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA		
Completed:	November 21, 2017		

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for ground water data included in Sample Delivery Group (SDG) APP56. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✓ Holding times and sample preservation

✗ Laboratory method blank data

NA Field rinsate blank data

✓ Trip blank data

✗ Laboratory control sample (LCS) recoveries

✗ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✗ Surrogate recoveries

✓ Laboratory duplicate results

✗ Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of "J" data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

All the ground water samples were run for 8270 SIM and regular 8270. The final results will be presented in SVOC SIM.

Sample CH-MW026-02F had low surrogate recovery in method 8270D. The sample was re-extracted outside the method required holding time and the QC was acceptable. Similar results were obtained in the both trials. The initial results will be presented as the final results.

Several analytes were over calibration in method 8270D SIM for samples CH-MW037-02 (acenaphthene) and CH-MW037-02D (acenaphthene). The samples were diluted and re-analyzed. All results will be presented in the undiluted sample except for the analyte over calibration.

This data package was revised 11/9/2017 due to the Eurofins SW6020A metals data breach. The majority of the data changes were made to Quality Control (QC) and/or calibration checks, not to actual sample results. The few field sample result changes were due to the originally reported result exceeding the linear calibration range of the instrument; those results were changed to be slightly lower than the upper limit of the calibration range.

In this package, the percent recovery for antimony in the initial calibration verification was above QC specification. The result in the continuing calibration blank for calcium changed from 15 ug/l to 100 ug/l. The QC specification is less than the absolute value of 280 ug/l. Calcium results were all more than 10 times the blank value thus no qualifier changes were required.

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP56 **Laboratory: LLL**

EDD Filename: APP56-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Validation Area	*Note*
Technical Holding Times	SR
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	SR
Surrogate/Tracer Spikes	SR
Matrix Spike/Matrix Spike Duplicates	SR
Laboratory Duplicates	A
Laboratory Replicates	N
Laboratory Control Samples	SR
Compound Quantitation	SR
Field Duplicates	SR
Field Triplicates	N
Field Blanks	A

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP56 **Laboratory: LLL**

EDD Filename: APP56-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: GENCHEM

Method: 410.4 **Matrix: WATER**

Sample ID: CH-MW026-02 **Collected:** 6/22/2017 1:35:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHEMICAL OXYGEN DEMAND	21000	J	50000	LOD	50000	LOQ	ug/L	J	RI

Sample ID: CH-MW037-02 **Collected:** 6/22/2017 12:40:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHEMICAL OXYGEN DEMAND	21000	J	50000	LOD	50000	LOQ	ug/L	J	RI, Fd

Sample ID: CH-MW037-02D **Collected:** 6/22/2017 12:40:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHEMICAL OXYGEN DEMAND	30300	J	50000	LOD	50000	LOQ	ug/L	J	RI, Fd

Method Category: GENCHEM

Method: 9056A **Matrix: WATER**

Sample ID: CH-MW026-02 **Collected:** 6/22/2017 1:35:00 PM **Analysis Type:** Initial/TOT **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NITRATE	500	U	500	LOD	500	LOQ	ug/L	R	StoA
NITRITE	500	U	500	LOD	500	LOQ	ug/L	R	StoA

Sample ID: CH-MW037-02 **Collected:** 6/22/2017 12:40:00 PM **Analysis Type:** Initial/TOT **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NITRATE	500	U	500	LOD	500	LOQ	ug/L	R	StoA
NITRITE	500	U	500	LOD	500	LOQ	ug/L	R	Ms, StoA

Sample ID: CH-MW037-02D **Collected:** 6/22/2017 12:40:00 PM **Analysis Type:** Initial/TOT **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NITRATE	500	U	500	LOD	500	LOQ	ug/L	R	StoA
NITRITE	500	U	500	LOD	500	LOQ	ug/L	R	StoA

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP56 **Laboratory: LLL**

EDD Filename: APP56-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** WATER

Sample ID: CH-MW025-02 **Collected:** 6/22/2017 10:25:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.14	J	0.25	LOD	1.0	LOQ	ug/L	J	RI
CADMIUM	0.19	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
COPPER	3.4	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
LEAD	1.3	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
ZINC	10.0	J	7.5	LOD	30.0	LOQ	ug/L	J	RI

Sample ID: CH-MW025-02F **Collected:** 6/22/2017 10:25:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.18	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
CHROMIUM	1.7	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
COPPER	0.99	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
LEAD	0.31	J	0.25	LOD	2.0	LOQ	ug/L	J	RI

Sample ID: CH-MW026-02 **Collected:** 6/22/2017 1:35:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	1.0	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
LEAD	0.21	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	2.4	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
VANADIUM	0.90	J	0.50	LOD	1.0	LOQ	ug/L	J	RI

Sample ID: CH-MW026-02F **Collected:** 6/22/2017 1:35:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	25.5	J	50.0	LOD	200	LOQ	ug/L	J	RI
NICKEL	2.9	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
VANADIUM	0.91	J	0.50	LOD	1.0	LOQ	ug/L	J	RI

Sample ID: CH-MW027-02 **Collected:** 6/22/2017 10:35:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	0.57	J	1.0	LOD	4.0	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP56 **Laboratory: LLL**

EDD Filename: APP56-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** WATER

Sample ID: CH-MW027-02 **Collected:** 6/22/2017 10:35:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
VANADIUM	0.87	J	0.50	LOD	1.0	LOQ	ug/L	J	RI

Sample ID: CH-MW027-02 **Collected:** 6/22/2017 10:35:00 AM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	95.2	J	50.0	LOD	200	LOQ	ug/L	J	RI

Sample ID: CH-MW027-02F **Collected:** 6/22/2017 10:35:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	1.0	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
IRON	76.0	J	100	LOD	200	LOQ	ug/L	J	RI
VANADIUM	0.36	J	0.50	LOD	1.0	LOQ	ug/L	J	RI

Sample ID: CH-MW028-02 **Collected:** 6/22/2017 12:30:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.074	J	0.25	LOD	1.0	LOQ	ug/L	J	RI
CHROMIUM	2.3	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
COPPER	1.6	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
LEAD	0.73	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	3.8	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
ZINC	5.4	J	7.5	LOD	30.0	LOQ	ug/L	J	RI

Sample ID: CH-MW028-02F **Collected:** 6/22/2017 12:30:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	48.7	J	50.0	LOD	200	LOQ	ug/L	J	RI
IRON	194	J	100	LOD	200	LOQ	ug/L	J	RI
NICKEL	3.4	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
VANADIUM	0.59	J	0.50	LOD	1.0	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP56 **Laboratory: LLL**

EDD Filename: APP56-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** WATER

Sample ID: CH-MW029-02 **Collected:** 6/22/2017 9:35:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.075	J	0.25	LOD	1.0	LOQ	ug/L	J	Rl
COBALT	0.80	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
VANADIUM	0.44	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl

Sample ID: CH-MW029-02 **Collected:** 6/22/2017 9:35:00 AM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	47.0	J	50.0	LOD	200	LOQ	ug/L	J	Rl
IRON	135	J	100	LOD	200	LOQ	ug/L	J	Rl

Sample ID: CH-MW029-02F **Collected:** 6/22/2017 9:35:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COBALT	0.80	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
COPPER	0.57	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
VANADIUM	0.23	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl

Sample ID: CH-MW029-02F **Collected:** 6/22/2017 9:35:00 AM **Analysis Type:** Reanalysis-01/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
IRON	89.1	J	100	LOD	200	LOQ	ug/L	J	Rl

Sample ID: CH-MW037-02 **Collected:** 6/22/2017 12:40:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	1.5	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl, Fd
LEAD	0.25	U	0.25	LOD	2.0	LOQ	ug/L	UJ	Fd

Sample ID: CH-MW037-02 **Collected:** 6/22/2017 12:40:00 PM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	121	J	50.0	LOD	200	LOQ	ug/L	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP56 **Laboratory: LLL**

EDD Filename: APP56-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix: WATER**

Sample ID: CH-MW037-02D **Collected:** 6/22/2017 12:40:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	101	J	50.0	LOD	200	LOQ	ug/L	J	Rl
CHROMIUM	1.0	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl, Fd
LEAD	0.13	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl, Fd

Sample ID: CH-MW037-02DF **Collected:** 6/22/2017 12:40:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	92.7	J	50.0	LOD	200	LOQ	ug/L	J	Rl
COBALT	0.17	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl

Sample ID: CH-MW037-02F **Collected:** 6/22/2017 12:40:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	136	J	50.0	LOD	200	LOQ	ug/L	J	Rl
CHROMIUM	1.5	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl

Method Category: METALS

Method: Calculation **Matrix: WATER**

Sample ID: CH-MW037-02 **Collected:** 6/22/2017 12:40:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	1.5	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl, Fd

Sample ID: CH-MW037-02D **Collected:** 6/22/2017 12:40:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	1.0	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl, Fd

Sample ID: CH-MW037-02F **Collected:** 6/22/2017 12:40:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRIVALENT CHROMIUM	1.5	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP56 **Laboratory: LLL**

EDD Filename: APP56-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category:	**METALS**		
Method:	**Calculation**	***Matrix:***	**WATER**

Method Category:	**SVOA**		
Method:	**8270D**	***Matrix:***	**WATER**

Sample ID: **CH-MW025-02** ***Collected:*** **6/22/2017 10:25:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: **CH-MW025-02F** ***Collected:*** **6/22/2017 10:25:00 AM** ***Analysis Type:*** **Initial/DIS-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP56 **Laboratory: LLL**

EDD Filename: APP56-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW025-02F **Collected:** 6/22/2017 10:25:00 AM **Analysis Type:** Initial/DIS-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW026-02 **Collected:** 6/22/2017 1:35:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP56 **Laboratory: LLL**

EDD Filename: APP56-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW026-02 **Collected:** 6/22/2017 1:35:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW026-02F **Collected:** 6/22/2017 1:35:00 PM **Analysis Type:** Initial/DIS-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.1	U	1.1	LOD	1.1	LOQ	ug/L	UJ	Surr
4-CHLORO-3-METHYLPHENOL	1.1	U	1.1	LOD	1.1	LOQ	ug/L	UJ	Surr
BENZOIC ACID	16	U	16	LOD	16	LOQ	ug/L	UJ	Surr

Sample ID: CH-MW026-02F **Collected:** 6/22/2017 1:35:00 PM **Analysis Type:** Initial/DIS-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
DI-N-BUTYL PHTHALATE	3.5	J	4.4	LOD	5.5	LOQ	ug/L	J	RI
FLUORANTHENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.44	U	0.44	LOD	0.55	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
PYRENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP56 **Laboratory: LLL**

EDD Filename: APP56-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW026-02F-X **Collected:** 6/22/2017 1:35:00 PM **Analysis Type:** Reanalysis-01/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	1.1	U	1.1	LOD	1.1	LOQ	ug/L	NP	ProfJudg
2-Methylphenol (o-Cresol)	1.1	U	1.1	LOD	1.1	LOQ	ug/L	NP	ProfJudg
4-Chloroaniline [p-Chloroaniline]	4.2	U	4.2	LOD	4.2	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW026-02F-X **Collected:** 6/22/2017 1:35:00 PM **Analysis Type:** Reanalysis-01/DIS-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.1	U	1.1	LOD	1.1	LOQ	ug/L	NP	Surr, ProfJudg
4-CHLORO-3-METHYLPHENOL	1.1	U	1.1	LOD	1.1	LOQ	ug/L	NP	Surr, ProfJudg
BENZOIC ACID	16	U	16	LOD	16	LOQ	ug/L	NP	Lcs, Surr, ProfJudg

Sample ID: CH-MW026-02F-X **Collected:** 6/22/2017 1:35:00 PM **Analysis Type:** Reanalysis-01/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	1.1	U	1.1	LOD	1.1	LOQ	ug/L	NP	Surr, ProfJudg
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	Surr, ProfJudg
2-CHLORONAPHTHALENE	1.1	U	1.1	LOD	1.1	LOQ	ug/L	NP	Surr, ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	Surr, ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	Surr, ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	Surr, ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	Surr, ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	Surr, ProfJudg
BENZALDEHYDE	4.2	U	4.2	LOD	5.3	LOQ	ug/L	NP	Surr, ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	Surr, ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	Surr, ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	Surr, ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	Surr, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	4.2	U	4.2	LOD	5.3	LOQ	ug/L	NP	Surr, ProfJudg
Butyl benzyl phthalate	4.2	U	4.2	LOD	5.3	LOQ	ug/L	NP	Lcs, Surr, ProfJudg
CAPROLACTAM	16	U	16	LOD	16	LOQ	ug/L	NP	Surr, ProfJudg
CARBAZOLE	1.1	U	1.1	LOD	1.1	LOQ	ug/L	NP	Surr, ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	Surr, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP56 **Laboratory: LLL**

EDD Filename: APP56-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW026-02F-X **Collected:** 6/22/2017 1:35:00 PM **Analysis Type:** Reanalysis-01/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	Surr, ProfJudg
DIBENZOFURAN	1.1	U	1.1	LOD	1.1	LOQ	ug/L	NP	Surr, ProfJudg
DIETHYL PHTHALATE	4.2	U	4.2	LOD	5.3	LOQ	ug/L	NP	Lcs, Surr, ProfJudg
DIMETHYL PHTHALATE	4.2	U	4.2	LOD	5.3	LOQ	ug/L	NP	Lcs, Surr, ProfJudg
DI-N-BUTYL PHTHALATE	4.2	U	4.2	LOD	5.3	LOQ	ug/L	NP	Surr, ProfJudg
DI-N-OCTYL PHTHALATE	4.2	U	4.2	LOD	5.3	LOQ	ug/L	NP	Surr, ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	Surr, ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	Surr, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	Surr, ProfJudg
NAPHTHALENE	0.42	U	0.42	LOD	0.53	LOQ	ug/L	NP	Surr, ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	Surr, ProfJudg
PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	Surr, ProfJudg

Sample ID: CH-MW027-02 **Collected:** 6/22/2017 10:35:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP56 **Laboratory: LLL**

EDD Filename: APP56-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW027-02 **Collected:** 6/22/2017 10:35:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW027-02F **Collected:** 6/22/2017 10:35:00 AM **Analysis Type:** Initial/DIS-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW028-02 **Collected:** 6/22/2017 12:30:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP56 **Laboratory: LLL**

EDD Filename: APP56-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW028-02 **Collected:** 6/22/2017 12:30:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW028-02F **Collected:** 6/22/2017 12:30:00 PM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP56 **Laboratory: LLL**

EDD Filename: APP56-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW028-02F **Collected:** 6/22/2017 12:30:00 PM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW029-02 **Collected:** 6/22/2017 9:35:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW029-02F **Collected:** 6/22/2017 9:35:00 AM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP56 **Laboratory: LLL**

EDD Filename: APP56-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW029-02F **Collected:** 6/22/2017 9:35:00 AM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW037-02 **Collected:** 6/22/2017 12:40:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.30	J	0.20	LOD	0.51	LOQ	ug/L	NP	RI, ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	11		0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP56 **Laboratory: LLL**

EDD Filename: APP56-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW037-02 **Collected:** 6/22/2017 12:40:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.70		0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	2.2		0.41	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW037-02D **Collected:** 6/22/2017 12:40:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.31	J	0.20	LOD	0.50	LOQ	ug/L	NP	Rl, Fd, ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	9.9		0.20	LOD	0.50	LOQ	ug/L	NP	Fd, ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIBENZOFURAN	2.8		1.0	LOD	1.0	LOQ	ug/L	J	Fd
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.62		0.20	LOD	0.50	LOQ	ug/L	NP	Fd, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	2.2		0.40	LOD	0.50	LOQ	ug/L	NP	Fd, ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP56 **Laboratory: LLL**

EDD Filename: APP56-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW037-02DF **Collected:** 6/22/2017 12:40:00 PM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.16	J	0.20	LOD	0.50	LOQ	ug/L	NP	RI, Fd, ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	5.0		0.20	LOD	0.50	LOQ	ug/L	NP	Fd, ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIBENZOFURAN	1.0	U	1.0	LOD	1.0	LOQ	ug/L	UJ	Fd
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	Fd, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	1.2		0.40	LOD	0.50	LOQ	ug/L	NP	Fd, ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW037-02F **Collected:** 6/22/2017 12:40:00 PM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.19	J	0.20	LOD	0.51	LOQ	ug/L	NP	RI, ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	6.0		0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP56 **Laboratory: LLL**

EDD Filename: APP56-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix: WATER**

Sample ID: CH-MW037-02F **Collected:** 6/22/2017 12:40:00 PM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	1.3		0.40	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Method Category: SVOA

Method: 8270D SIM **Matrix: WATER**

Sample ID: CH-MW025-02 **Collected:** 6/22/2017 10:25:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
PYRENE	0.013	J	0.040	LOD	0.051	LOQ	ug/L	J	RI

Sample ID: CH-MW026-02 **Collected:** 6/22/2017 1:35:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NAPHTHALENE	0.044	J	0.061	LOD	0.061	LOQ	ug/L	J	RI

Sample ID: CH-MW027-02 **Collected:** 6/22/2017 10:35:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.012	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
2-METHYLNAPHTHALENE	0.021	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
ANTHRACENE	0.013	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
PYRENE	0.044	J	0.040	LOD	0.050	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP56 **Laboratory: LLL**

EDD Filename: APP56-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-MW028-02 **Collected:** 6/22/2017 12:30:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.030	J	0.040	LOD	0.051	LOQ	ug/L	J	Rl

Sample ID: CH-MW037-02 **Collected:** 6/22/2017 12:40:00 PM **Analysis Type:** Dilution-01/TOT-BASE/NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.55		0.20	LOD	0.25	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.25	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.11	J	0.20	LOD	0.25	LOQ	ug/L	NP	Rl, ProfJudg
ANTHRACENE	0.11	J	0.20	LOD	0.25	LOQ	ug/L	NP	Rl, ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.25	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.25	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.25	LOQ	ug/L	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.20	U	0.20	LOD	0.25	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.25	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.25	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.25	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.25	LOQ	ug/L	NP	ProfJudg
FLUORENE	1.2		0.20	LOD	0.25	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.25	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	3.5		0.30	LOD	0.30	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.30	U	0.30	LOD	0.30	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.25	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW037-02 **Collected:** 6/22/2017 12:40:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.32		0.041	LOD	0.051	LOQ	ug/L	J	Fd
2-METHYLNAPHTHALENE	0.017	J	0.041	LOD	0.051	LOQ	ug/L	J	Rl, Fd
ACENAPHTHENE	12	E	0.041	LOD	0.051	LOQ	ug/L	NP	Fd, ProfJudg
ACENAPHTHYLENE	0.067		0.041	LOD	0.051	LOQ	ug/L	J	Fd
ANTHRACENE	0.067		0.041	LOD	0.051	LOQ	ug/L	J	Fd
FLUORANTHENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	UJ	Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP56 **Laboratory: LLL**

EDD Filename: APP56-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-MW037-02 **Collected:** 6/22/2017 12:40:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORENE	0.74		0.041	LOD	0.051	LOQ	ug/L	J	Fd
NAPHTHALENE	2.1		0.061	LOD	0.061	LOQ	ug/L	J	Fd
PHENANTHRENE	0.040	J	0.061	LOD	0.061	LOQ	ug/L	J	Rl, Fd

Sample ID: CH-MW037-02D **Collected:** 6/22/2017 12:40:00 PM **Analysis Type:** Dilution-01/TOT-BASE/NEUTRAL **Dilution:** 10

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.55		0.40	LOD	0.50	LOQ	ug/L	NP	Fd, ProfJudg
2-METHYLNAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	Fd, ProfJudg
ACENAPHTHENE	22		0.40	LOD	0.50	LOQ	ug/L	J	Fd
ACENAPHTHYLENE	0.11	J	0.40	LOD	0.50	LOQ	ug/L	NP	Rl, Fd, ProfJudg
ANTHRACENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	Fd, ProfJudg
BENZ(A)ANTHRACENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORENE	1.3		0.40	LOD	0.50	LOQ	ug/L	NP	Fd, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	3.9		0.60	LOD	0.60	LOQ	ug/L	NP	Fd, ProfJudg
PHENANTHRENE	0.60	U	0.60	LOD	0.60	LOQ	ug/L	NP	Fd, ProfJudg
PYRENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW037-02D **Collected:** 6/22/2017 12:40:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.33		0.040	LOD	0.050	LOQ	ug/L	J	Fd
2-METHYLNAPHTHALENE	0.019	J	0.040	LOD	0.050	LOQ	ug/L	J	Rl, Fd
ACENAPHTHENE	12	E	0.040	LOD	0.050	LOQ	ug/L	NP	Fd, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP56 **Laboratory: LLL**

EDD Filename: APP56-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix: WATER**

Sample ID: CH-MW037-02D **Collected:** 6/22/2017 12:40:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.068		0.040	LOD	0.050	LOQ	ug/L	J	Fd
ANTHRACENE	0.063		0.040	LOD	0.050	LOQ	ug/L	J	Fd
FLUORANTHENE	0.012	J	0.040	LOD	0.050	LOQ	ug/L	J	Rl, Fd
FLUORENE	0.77		0.040	LOD	0.050	LOQ	ug/L	J	Fd
NAPHTHALENE	2.3		0.060	LOD	0.060	LOQ	ug/L	J	Fd
PHENANTHRENE	0.049	J	0.060	LOD	0.060	LOQ	ug/L	J	Rl, Fd

Sample ID: CH-MW037-02DF **Collected:** 6/22/2017 12:40:00 PM **Analysis Type:** Initial/DIS-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.16		0.040	LOD	0.050	LOQ	ug/L	J	Fd
2-METHYLNAPHTHALENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	UJ	Fd
ACENAPHTHENE	5.5		0.040	LOD	0.050	LOQ	ug/L	J	Fd
ACENAPHTHYLENE	0.033	J	0.040	LOD	0.050	LOQ	ug/L	J	Rl, Fd
ANTHRACENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	UJ	Fd
FLUORANTHENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	UJ	Fd
FLUORENE	0.055		0.040	LOD	0.050	LOQ	ug/L	J	Fd
NAPHTHALENE	1.1		0.060	LOD	0.060	LOQ	ug/L	J	Fd
PHENANTHRENE	0.060	U	0.060	LOD	0.060	LOQ	ug/L	UJ	Fd

Sample ID: CH-MW037-02F **Collected:** 6/22/2017 12:40:00 PM **Analysis Type:** Initial/DIS-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.037	J	0.040	LOD	0.051	LOQ	ug/L	J	Rl

Method Category: VOA

Method: 8260C **Matrix: WATER**

Sample ID: CH-MW028-02 **Collected:** 6/22/2017 12:30:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRICHLOROETHENE	0.5	J	1	LOD	1	LOQ	ug/L	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP56 **Laboratory: LLL**

EDD Filename: APP56-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP56 **Laboratory: LLL**

EDD Filename: APP56-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Reason Code Legend

Reason Code	*Description*
Fd	Field Duplicate Precision
Lcs	Laboratory Control Precision
Lcs	Laboratory Control Spike Upper Estimation
Mb	Method Blank Contamination
Ms	Matrix Spike Lower Estimation
ProfJudg	Professional Judgment
Rl	Reporting Limit Trace Value
StoA	Sampling to Analysis Rejection
Surr	Surrogate/Tracer Recovery Lower Estimation

* denotes a non-reportable result

QC Outlier Report: HoldingTimes

Lab Reporting Batch ID: APP56 **Laboratory: LLL**

EDD Filename: APP56-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 9056A **Preparation Method: METHOD**

Matrix: WATER

Sample ID	Type	Actual	Criteria	Units	Flag
CH-MW026-02 (Initial/TOT)	Sampling To Analysis	119.25	48.00	HOURS	J- (all detects)
CH-MW037-02 (Initial/TOT)		119.75	48.00	HOURS	R (all non-detects)
CH-MW037-02 (Reanalysis-01/TOT)		120.50	48.00	HOURS	
CH-MW037-02D (Initial/TOT)		120.00	48.00	HOURS	
CH-MW037-02D (Reanalysis-01/TO		121.25	48.00	HOURS	
CH-MW037-02DUP (Initial/TOT)		120.75	48.00	HOURS	
CH-MW037-02DUP (Reanalysis-01/		121.00	48.00	HOURS	
CH-MW037-02MS (Initial/TOT)		121.75	48.00	HOURS	
CH-MW037-02MS (Reanalysis-01/T		122.50	48.00	HOURS	

Surrogate Outlier Report

Lab Reporting Batch ID: APP56 **Laboratory: LLL**

EDD Filename: APP56-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D**
Matrix: **WATER**

Sample ID (Analysis Type)	*Surrogate*	*Sample % Recovery*	*% Recovery Limits*	*Affected Compounds*	*Flag*
CH-MW026-02F (Initial/DIS)	2,4,6-TRIBROMOPHENOL 2-FLUOROPHENOL PHENOL-D6	32 2 1	43.00-140.00 19.00-119.00 10.00-71.00	All Acid Target Analytes	J- (all detects) UJ (all non-detects)
CH-MW026-02F-X (Reanalysis-01/ DIS)	2,4,6-TRIBROMOPHENOL 2-FLUOROBIPHENYL 2-FLUOROPHENOL Nitrobenzene-d5 PHENOL-D6 Terphenyl-d14	13 7 5 7 3 31	43.00-140.00 44.00-119.00 19.00-119.00 44.00-120.00 10.00-71.00 50.00-134.00	All Target Analytes	J-(all detects) UJ(all non-detects)

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP56 **Laboratory: LLL**

EDD Filename: APP56-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **9056A**
Matrix: **WATER**

QC Sample ID (Associated Samples)	*Compound*	*MS %R*	*MSD %R*	*%R Limits*	*RPD (Limits)*	*Affected Compounds*	*Flag*
CH-MW037-02MS (CH-MW037-02)	NITRITE	83	-	87.00-111.00	-	NITRITE	J- (all detects) UJ (all non-detects)

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Field Duplicate RPD Report

Lab Reporting Batch ID: APP56 **Laboratory: LLL**

EDD Filename: APP56-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 410.4
Matrix: WATER

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-MW037-02	CH-MW037-02D			
CHEMICAL OXYGEN DEMAND	21000	30300	36	30.00	J (all detects) UJ (all non-detects)

Method: 6020A
Matrix: WATER

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-MW037-02 (Total)	CH-MW037-02D (Total)			
ALUMINUM	121	101	18	30.00	
BARIUM	22.2	21.9	1	30.00	
CALCIUM	19600	19800	1	30.00	
IRON	9770	10300	5	30.00	
MAGNESIUM	5710	5800	2	30.00	No Qualifiers Applied
MANGANESE	480	480	0	30.00	
POTASSIUM	1020	1090	7	30.00	
SODIUM	26200	26700	2	30.00	
VANADIUM	1.5	1.3	14	30.00	
CHROMIUM	1.5	1.0	40	30.00	J(all detects)
LEAD	2.0 U	0.13	200	30.00	UJ(all non-detects)

Method: 8270D SIM
Matrix: WATER

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-MW037-02	CH-MW037-02D			
1-METHYLNAPHTHALENE	0.55	0.55	0	30.00	
ACENAPHTHENE	20	22	10	30.00	
ACENAPHTHYLENE	0.11	0.11	0	30.00	
ANTHRACENE	0.11	0.50 U	200	30.00	No Qualifiers Applied
FLUORENE	1.2	1.3	8	30.00	
NAPHTHALENE	3.5	3.9	11	30.00	
2-METHYLNAPHTHALENE	0.017	0.50 U	200	30.00	J(all detects)
PHENANTHRENE	0.040	0.60 U	200	30.00	UJ(all non-detects)

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-MW037-02D	CH-MW037-02DF			
1-METHYLNAPHTHALENE	0.55	0.16	110	30.00	
2-METHYLNAPHTHALENE	0.019	0.050 U	200	30.00	
ACENAPHTHENE	22	5.5	120	30.00	
ACENAPHTHYLENE	0.11	0.033	108	30.00	
ANTHRACENE	0.063	0.050 U	200	30.00	J(all detects) UJ(all non-detects)
FLUORANTHENE	0.012	0.050 U	200	30.00	
FLUORENE	1.3	0.055	184	30.00	
NAPHTHALENE	3.9	1.1	112	30.00	
PHENANTHRENE	0.049	0.060 U	200	30.00	

Field Duplicate RPD Report

Lab Reporting Batch ID: APP56 **Laboratory: LLL**

EDD Filename: APP56-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D
Matrix: WATER

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-MW037-02	CH-MW037-02D			
1-METHYLNAPHTHALENE	0.30	0.31	3	30.00	No Qualifiers Applied
ACENAPHTHENE	11	9.9	11	30.00	
DIBENZOFURAN	3.0	2.8	7	30.00	
FLUORENE	0.70	0.62	12	30.00	
NAPHTHALENE	2.2	2.2	0	30.00	

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-MW037-02D	CH-MW037-02DF			
1-METHYLNAPHTHALENE	0.31	0.16	64	30.00	J(all detects) UJ(all non-detects)
ACENAPHTHENE	9.9	5.0	66	30.00	
DIBENZOFURAN	2.8	1.0 U	200	30.00	
FLUORENE	0.62	0.50 U	200	30.00	
NAPHTHALENE	2.2	1.2	59	30.00	

Method: 9056A
Matrix: WATER

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-MW037-02	CH-MW037-02D			
CHLORIDE	67200	65800	2	30.00	No Qualifiers Applied
SULFATE	12200	12500	2	30.00	

Method: Calculation
Matrix: WATER

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-MW037-02 (Total)	CH-MW037-02D (Total)			
TRIVALENT CHROMIUM	1.5	1.0	40	20.00	J(all detects) UJ(all non-detects)

Method: RSK-175
Matrix: WATER

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-MW037-02	CH-MW037-02D			
METHANE	280	270	4	30.00	No Qualifiers Applied

Method: SM 2320B
Matrix: WATER

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-MW037-02	CH-MW037-02D			
ALKALINITY, TOTAL	48500	44700	8	30.00	No Qualifiers Applied

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Field Duplicate RPD Report

Lab Reporting Batch ID: APP56 **Laboratory: LLL**

EDD Filename: APP56-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: SM 2340B
Matrix: WATER

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-MW037-02	CH-MW037-02D			
HARDNESS (AS CACO3)	72500	73300	1	30.00	No Qualifiers Applied

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-MW037-02D	CH-MW037-02DF			
HARDNESS (AS CACO3)	73300	76000	4	30.00	No Qualifiers Applied

Method: SM 4500-S2D
Matrix: WATER

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-MW037-02	CH-MW037-02D			
SULFIDE	120	100	18	30.00	No Qualifiers Applied

Method: SM 5310C
Matrix: WATER

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-MW037-02	CH-MW037-02D			
TOTAL ORGANIC CARBON (TOC)	7500	7500	0	30.00	No Qualifiers Applied

Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP56 **Laboratory: LLL**

EDD Filename: APP56-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D
Matrix: WATER

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P9WNLCSY179WAN026 (CH-MW026-02F-X)	BENZOIC ACID	-	-	10.00-81.00	55 (30.00)	BENZOIC ACID	
	Butyl benzyl phthalate	-	-	53.00-134.00	22 (20.00)	Butyl benzyl phthalate	J (all detects)
	DIETHYL PHTHALATE	-	-	56.00-125.00	26 (20.00)	DIETHYL PHTHALATE	UJ (all non-detects)
	DIMETHYL PHTHALATE	-	-	45.00-127.00	50 (20.00)	DIMETHYL PHTHALATE	

Method: 8270D SIM
Matrix: WATER

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P4WGLCSQ194WAG026 (CH-MW026-02F)	ACENAPHTHENE	115	-	48.00-114.00	-	ACENAPHTHENE	J+(all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP56 **Laboratory: LLL**

EDD Filename: APP56-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 410.4

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-MW026-02	CHEMICAL OXYGEN DEMAND	J	21000	50000	LOQ	ug/L	J (all detects)
CH-MW037-02	CHEMICAL OXYGEN DEMAND	J	21000	50000	LOQ	ug/L	J (all detects)
CH-MW037-02D	CHEMICAL OXYGEN DEMAND	J	30300	50000	LOQ	ug/L	J (all detects)

Method: 6020A

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-MW025-02	BERYLLIUM	J	0.14	1.0	LOQ	ug/L	J (all detects)
	CADMIUM	J	0.19	1.0	LOQ	ug/L	
	COPPER	J	3.4	4.0	LOQ	ug/L	
	LEAD	J	1.3	2.0	LOQ	ug/L	
	ZINC	J	10.0	30.0	LOQ	ug/L	
CH-MW025-02F	CADMIUM	J	0.18	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.7	4.0	LOQ	ug/L	
	COPPER	J	0.99	4.0	LOQ	ug/L	
	LEAD	J	0.31	2.0	LOQ	ug/L	
CH-MW026-02	CHROMIUM	J	1.0	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.21	2.0	LOQ	ug/L	
	NICKEL	J	2.4	4.0	LOQ	ug/L	
	VANADIUM	J	0.90	1.0	LOQ	ug/L	
CH-MW026-02F	ALUMINUM	J	25.5	200	LOQ	ug/L	J (all detects)
	NICKEL	J	2.9	4.0	LOQ	ug/L	
	VANADIUM	J	0.91	1.0	LOQ	ug/L	
CH-MW027-02	ALUMINUM	J	95.2	200	LOQ	ug/L	J (all detects)
	COPPER	J	0.57	4.0	LOQ	ug/L	
	VANADIUM	J	0.87	1.0	LOQ	ug/L	
CH-MW027-02F	COPPER	J	1.0	4.0	LOQ	ug/L	J (all detects)
	IRON	J	76.0	200	LOQ	ug/L	
	VANADIUM	J	0.36	1.0	LOQ	ug/L	
CH-MW028-02	BERYLLIUM	J	0.074	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	2.3	4.0	LOQ	ug/L	
	COPPER	J	1.6	4.0	LOQ	ug/L	
	LEAD	J	0.73	2.0	LOQ	ug/L	
	NICKEL	J	3.8	4.0	LOQ	ug/L	
	ZINC	J	5.4	30.0	LOQ	ug/L	
CH-MW028-02F	ALUMINUM	J	48.7	200	LOQ	ug/L	J (all detects)
	IRON	J	194	200	LOQ	ug/L	
	NICKEL	J	3.4	4.0	LOQ	ug/L	
	VANADIUM	J	0.59	1.0	LOQ	ug/L	
CH-MW029-02	ALUMINUM	J	47.0	200	LOQ	ug/L	J (all detects)
	BERYLLIUM	J	0.075	1.0	LOQ	ug/L	
	COBALT	J	0.80	1.0	LOQ	ug/L	
	IRON	J	135	200	LOQ	ug/L	
	VANADIUM	J	0.44	1.0	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: APP56 **Laboratory: LLL**

EDD Filename: APP56-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-MW029-02F	COBALT COPPER IRON VANADIUM	J J J J	0.80 0.57 89.1 0.23	1.0 4.0 200 1.0	LOQ LOQ LOQ LOQ	ug/L ug/L ug/L ug/L	J (all detects)
CH-MW037-02	ALUMINUM CHROMIUM	J J	121 1.5	200 4.0	LOQ LOQ	ug/L ug/L	J (all detects)
CH-MW037-02D	ALUMINUM CHROMIUM LEAD	J J J	101 1.0 0.13	200 4.0 2.0	LOQ LOQ LOQ	ug/L ug/L ug/L	J (all detects)
CH-MW037-02DF	ALUMINUM COBALT	J J	92.7 0.17	200 1.0	LOQ LOQ	ug/L ug/L	J (all detects)
CH-MW037-02F	ALUMINUM CHROMIUM	J J	136 1.5	200 4.0	LOQ LOQ	ug/L ug/L	J (all detects)

Method: 8260C

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-MW028-02	TRICHLOROETHENE	J	0.5	1	LOQ	ug/L	J (all detects)

Method: 8270D

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-MW026-02F	DI-N-BUTYL PHTHALATE	J	3.5	5.5	LOQ	ug/L	J (all detects)
CH-MW037-02	1-METHYLNAPHTHALENE	J	0.30	0.51	LOQ	ug/L	J (all detects)
CH-MW037-02D	1-METHYLNAPHTHALENE	J	0.31	0.50	LOQ	ug/L	J (all detects)
CH-MW037-02DF	1-METHYLNAPHTHALENE	J	0.16	0.50	LOQ	ug/L	J (all detects)
CH-MW037-02F	1-METHYLNAPHTHALENE	J	0.19	0.51	LOQ	ug/L	J (all detects)

Method: 8270D SIM

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-MW025-02	PYRENE	J	0.013	0.051	LOQ	ug/L	J (all detects)
CH-MW026-02	NAPHTHALENE	J	0.044	0.061	LOQ	ug/L	J (all detects)
CH-MW027-02	1-METHYLNAPHTHALENE 2-METHYLNAPHTHALENE ANTHRACENE PYRENE	J J J J	0.012 0.021 0.013 0.044	0.050 0.050 0.050 0.050	LOQ LOQ LOQ LOQ	ug/L ug/L ug/L ug/L	J (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP56 **Laboratory: LLL**

EDD Filename: APP56-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D SIM

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-MW028-02	1-METHYLNAPHTHALENE	J	0.030	0.051	LOQ	ug/L	J (all detects)
CH-MW037-02	2-METHYLNAPHTHALENE ACENAPHTHYLENE ANTHRACENE PHENANTHRENE	J J J J	0.017 0.11 0.11 0.040	0.051 0.25 0.25 0.061	LOQ LOQ LOQ LOQ	ug/L ug/L ug/L ug/L	J (all detects)
CH-MW037-02D	2-METHYLNAPHTHALENE ACENAPHTHYLENE FLUORANTHENE PHENANTHRENE	J J J J	0.019 0.11 0.012 0.049	0.050 0.50 0.050 0.060	LOQ LOQ LOQ LOQ	ug/L ug/L ug/L ug/L	J (all detects)
CH-MW037-02DF	ACENAPHTHYLENE	J	0.033	0.050	LOQ	ug/L	J (all detects)
CH-MW037-02F	ACENAPHTHYLENE	J	0.037	0.051	LOQ	ug/L	J (all detects)

Method: Calculation

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-MW037-02	TRIVALENT CHROMIUM	J	1.5	4.0	LOQ	ug/L	J (all detects)
CH-MW037-02D	TRIVALENT CHROMIUM	J	1.0	4.0	LOQ	ug/L	J (all detects)
CH-MW037-02F	TRIVALENT CHROMIUM	J	1.5	4.0	LOQ	ug/L	J (all detects)

Method Blank Outlier Report

Lab Reporting Batch ID: APP56 **Laboratory: LLL**

EDD Filename: APP56-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **7470A**
Matrix: **WATER**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P17671EB176571305	6/29/2017 7:28:00 AM	MERCURY	0.081 ug/L	CH-MW025-02 CH-MW025-02F CH-MW026-02 CH-MW027-02 CH-MW027-02F CH-MW028-02 CH-MW028-02F CH-MW029-02 CH-MW029-02F CH-MW037-02 CH-MW037-02D CH-MW037-02F

Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page	1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.		
Laboratory SDG:	APP60		
Date(s) of Collection:	June 23rd, 2017		
Number/Type Samples & Analyses:	12 ground water samples and 1 trip blank and 1 equipment blank for a project-specific list of VOCs, SVOCs, PAHs, PCBs, hexavalent chromium, and metals		
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA		
Completed:	August 29th, 2017		

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for ground water data included in Sample Delivery Group (SDG) APP60. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✓ Holding times and sample preservation

✓ Laboratory method blank data

✗ Field rinsate blank data

✓ Trip blank data

✗ Laboratory control sample (LCS) recoveries

✓ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✗ Surrogate recoveries

✓ Laboratory duplicate results

NA Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of "J" data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

All of the ground water samples were analyzed for regular 8270D and 8270D SIM. The final results will be presented in SVOC SIM.

Samples CH-MW021-02, CH-MW032-02, and CH-MW032-02F in method 8270D have low surrogate recoveries. The samples were re-extracted outside the method required holding time. The initial results will be presented as the final results.

Sample CH-MW033-02 in method 8270D SIM had low surrogate recovery. The sample was re-extracted outside the method required holding time. The initial results will be presented as the final results.

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP60 **Laboratory: LLL**

EDD Filename: APP60-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Validation Area	*Note*
Technical Holding Times	SR
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	A
Surrogate/Tracer Spikes	SR
Matrix Spike/Matrix Spike Duplicates	N
Laboratory Duplicates	N
Laboratory Replicates	N
Laboratory Control Samples	SR
Compound Quantitation	SR
Field Duplicates	N
Field Triplicates	N
Field Blanks	SR

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP60 **Laboratory: LLL**

EDD Filename: APP60-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** WATER

Sample ID: CH-MW021-02 **Collected:** 6/23/2017 9:40:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.76	J	1.0	LOD	2.0	LOQ	ug/L	J	RI
ARSENIC	1.3	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
COPPER	2.3	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
LEAD	0.67	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	2.6	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
CHROMIUM	2.7	J	2.0	LOD	4.0	LOQ	ug/L	J	RI

Sample ID: CH-MW021-02F **Collected:** 6/23/2017 9:40:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.2	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
CHROMIUM	1.9	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
COPPER	1.8	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
LEAD	0.31	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	1.8	J	2.0	LOD	4.0	LOQ	ug/L	J	RI

Sample ID: CH-MW031-02 **Collected:** 6/23/2017 11:20:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	2.7	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
SELENIUM	1.0	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
THALLIUM	0.40	J	0.25	LOD	1.0	LOQ	ug/L	J	RI

Sample ID: CH-MW031-02F **Collected:** 6/23/2017 11:20:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.50	J	1.0	LOD	2.0	LOQ	ug/L	J	RI
ARSENIC	3.6	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
SELENIUM	1.0	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
THALLIUM	0.73	J	0.25	LOD	1.0	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP60 **Laboratory: LLL**

EDD Filename: APP60-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** WATER

Sample ID: CH-MW032-02 **Collected:** 6/23/2017 9:40:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	29.3	J	50.0	LOD	200	LOQ	ug/L	J	RI
VANADIUM	0.33	J	0.50	LOD	1.0	LOQ	ug/L	J	RI

Sample ID: CH-MW032-02F **Collected:** 6/23/2017 9:40:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	29.8	J	50.0	LOD	200	LOQ	ug/L	J	RI
COPPER	0.57	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
ZINC	4.1	J	7.5	LOD	30.0	LOQ	ug/L	J	RI

Sample ID: CH-MW033-02 **Collected:** 6/23/2017 12:05:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	61.5	J	50.0	LOD	200	LOQ	ug/L	J	RI
IRON	144	J	100	LOD	200	LOQ	ug/L	J	RI
LEAD	0.16	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	3.4	J	2.0	LOD	4.0	LOQ	ug/L	J	RI

Sample ID: CH-MW033-02F **Collected:** 6/23/2017 12:05:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	0.88	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
COPPER	0.92	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
LEAD	0.15	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	3.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
VANADIUM	0.79	J	0.50	LOD	1.0	LOQ	ug/L	J	RI

Sample ID: CH-MW034-02 **Collected:** 6/23/2017 10:45:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.6	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
BERYLLIUM	0.32	J	0.25	LOD	1.0	LOQ	ug/L	J	RI
ZINC	51.3		7.5	LOD	30.0	LOQ	ug/L	U	Eb

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP60 **Laboratory: LLL**

EDD Filename: APP60-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** WATER

Sample ID: CH-MW034-02 **Collected:** 6/23/2017 10:45:00 AM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.28	J	0.50	LOD	1.0	LOQ	ug/L	J	RI

Sample ID: CH-MW034-02F **Collected:** 6/23/2017 10:45:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.78	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
CHROMIUM	2.4	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
COPPER	1.8	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
LEAD	0.48	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	3.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
ZINC	28.7	J	7.5	LOD	30.0	LOQ	ug/L	J	RI

Sample ID: CH-MW034-02F **Collected:** 6/23/2017 10:45:00 AM **Analysis Type:** Reanalysis-01/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.19	J	0.50	LOD	1.0	LOQ	ug/L	J	RI

Sample ID: CH-MW035-02 **Collected:** 6/23/2017 1:15:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.2	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
BERYLLIUM	0.19	J	0.25	LOD	1.0	LOQ	ug/L	J	RI
COPPER	3.4	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
LEAD	1.8	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
ZINC	37.6		7.5	LOD	30.0	LOQ	ug/L	U	Eb

Sample ID: CH-MW035-02F **Collected:** 6/23/2017 1:15:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	24.0	J	50.0	LOD	200	LOQ	ug/L	J	RI
COPPER	1.4	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
NICKEL	1.4	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
VANADIUM	0.28	J	0.50	LOD	1.0	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP60 **Laboratory: LLL**

EDD Filename: APP60-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix: WATER**

Sample ID: EB-GW062317-01 **Collected:** 6/23/2017 2:20:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
VANADIUM	0.25	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
ZINC	15.7	J	7.5	LOD	30.0	LOQ	ug/L	J	RI

Method Category: SVOA

Method: 8270D **Matrix: WATER**

Sample ID: CH-MW021-02 **Collected:** 6/23/2017 9:40:00 AM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	16	U	16	LOD	16	LOQ	ug/L	UJ	Lcs

Sample ID: CH-MW021-02 **Collected:** 6/23/2017 9:40:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
Butyl benzyl phthalate	4.3	U	4.3	LOD	5.3	LOQ	ug/L	UJ	Lcs
CHRYSENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
DIETHYL PHTHALATE	4.3	U	4.3	LOD	5.3	LOQ	ug/L	UJ	Lcs
DIMETHYL PHTHALATE	4.3	U	4.3	LOD	5.3	LOQ	ug/L	UJ	Lcs
FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP60 **Laboratory: LLL**

EDD Filename: APP60-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW021-02 **Collected:** 6/23/2017 9:40:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NAPHTHALENE	0.43	U	0.43	LOD	0.53	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW021-02F **Collected:** 6/23/2017 9:40:00 AM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.44	U	0.44	LOD	0.55	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
PYRENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW021-02-X **Collected:** 6/23/2017 9:40:00 AM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	4.2	U	4.2	LOD	4.2	LOQ	ug/L	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP60 **Laboratory: LLL**

EDD Filename: APP60-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW021-02-X **Collected:** 6/23/2017 9:40:00 AM **Analysis Type:** Reanalysis-01/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
BENZOIC ACID	16	U	16	LOD	16	LOQ	ug/L	NP	Lcs, StoE, ProfJudg

Sample ID: CH-MW021-02-X **Collected:** 6/23/2017 9:40:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
BENZALDEHYDE	4.2	U	4.2	LOD	5.2	LOQ	ug/L	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	4.2	U	4.2	LOD	5.2	LOQ	ug/L	NP	StoE, ProfJudg
Butyl benzyl phthalate	4.2	U	4.2	LOD	5.2	LOQ	ug/L	NP	StoE, ProfJudg
CAPROLACTAM	16	U	16	LOD	16	LOQ	ug/L	NP	StoE, ProfJudg
CARBAZOLE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZOFURAN	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
DIETHYL PHTHALATE	4.2	U	4.2	LOD	5.2	LOQ	ug/L	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	4.2	U	4.2	LOD	5.2	LOQ	ug/L	NP	Lcs, StoE, ProfJudg
DI-N-BUTYL PHTHALATE	4.2	U	4.2	LOD	5.2	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	4.2	U	4.2	LOD	5.2	LOQ	ug/L	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP60 **Laboratory: LLL**

EDD Filename: APP60-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW021-02-X **Collected:** 6/23/2017 9:40:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
NAPHTHALENE	0.42	U	0.42	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: CH-MW031-02 **Collected:** 6/23/2017 11:20:00 AM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/L	UJ	Lcs

Sample ID: CH-MW031-02 **Collected:** 6/23/2017 11:20:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
Butyl benzyl phthalate	4.0	U	4.0	LOD	5.0	LOQ	ug/L	UJ	Lcs
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIETHYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	UJ	Lcs
DIMETHYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	UJ	Lcs
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP60 **Laboratory: LLL**

EDD Filename: APP60-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW031-02 **Collected:** 6/23/2017 11:20:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW031-02F **Collected:** 6/23/2017 11:20:00 AM **Analysis Type:** Initial/DIS-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW032-02 **Collected:** 6/23/2017 9:40:00 AM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.0	U	1.0	LOD	1.0	LOQ	ug/L	UJ	Surr
4-CHLORO-3-METHYLPHENOL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	UJ	Surr

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP60 **Laboratory: LLL**

EDD Filename: APP60-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW032-02 **Collected:** 6/23/2017 9:40:00 AM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/L	UJ	Lcs, Surr

Sample ID: CH-MW032-02 **Collected:** 6/23/2017 9:40:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.14	J	0.20	LOD	0.50	LOQ	ug/L	NP	RI, ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
Butyl benzyl phthalate	4.0	U	4.0	LOD	5.0	LOQ	ug/L	UJ	Lcs
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIETHYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	UJ	Lcs
DIMETHYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	UJ	Lcs
FLUORANTHENE	0.61		0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PYRENE	0.77		0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW032-02F **Collected:** 6/23/2017 9:40:00 AM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP60 **Laboratory: LLL**

EDD Filename: APP60-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW032-02F **Collected:** 6/23/2017 9:40:00 AM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DI-N-BUTYL PHTHALATE	2.6	J	4.0	LOD	5.0	LOQ	ug/L	J	RI
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW032-02F-X **Collected:** 6/23/2017 9:40:00 AM **Analysis Type:** Reanalysis-01/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	4.0	U	4.0	LOD	4.0	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: CH-MW032-02F-X **Collected:** 6/23/2017 9:40:00 AM **Analysis Type:** Reanalysis-01/DIS-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/L	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP60 **Laboratory: LLL**

EDD Filename: APP60-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-MW032-02F-X** ***Collected:*** **6/23/2017 9:40:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1,4-DICHLOROBENZENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHENE	0.30	J	0.20	LOD	0.51	LOQ	ug/L	NP	RI, StoE, ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BENZALDEHYDE	4.0	U	4.0	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	4.0	U	4.0	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
Butyl benzyl phthalate	4.0	U	4.0	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
CAPROLACTAM	15	U	15	LOD	15	LOQ	ug/L	NP	StoE, ProfJudg
CARBAZOLE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZOFURAN	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
DIETHYL PHTHALATE	4.0	U	4.0	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	4.0	U	4.0	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	4.0	U	4.0	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	4.0	U	4.0	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
NAPHTHALENE	0.21	J	0.40	LOD	0.51	LOQ	ug/L	NP	RI, StoE, ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP60 **Laboratory: LLL**

EDD Filename: APP60-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW032-02-X **Collected:** 6/23/2017 9:40:00 AM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	4.1	U	4.1	LOD	4.1	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: CH-MW032-02-X **Collected:** 6/23/2017 9:40:00 AM **Analysis Type:** Reanalysis-01/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/L	NP	Lcs, StoE, ProfJudg

Sample ID: CH-MW032-02-X **Collected:** 6/23/2017 9:40:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BENZALDEHYDE	4.1	U	4.1	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	4.1	U	4.1	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
Butyl benzyl phthalate	4.1	U	4.1	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
CAPROLACTAM	15	U	15	LOD	15	LOQ	ug/L	NP	StoE, ProfJudg
CARBAZOLE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP60 **Laboratory: LLL**

EDD Filename: APP60-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW032-02-X **Collected:** 6/23/2017 9:40:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZOFURAN	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
DIETHYL PHTHALATE	4.1	U	4.1	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	4.1	U	4.1	LOD	5.1	LOQ	ug/L	NP	Lcs, StoE, ProfJudg
DI-N-BUTYL PHTHALATE	4.1	U	4.1	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	4.1	U	4.1	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
FLUORANTHENE	0.27	J	0.20	LOD	0.51	LOQ	ug/L	NP	RI, StoE, ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
PYRENE	1.3		0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: CH-MW033-02 **Collected:** 6/23/2017 12:05:00 PM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/L	UJ	Lcs

Sample ID: CH-MW033-02 **Collected:** 6/23/2017 12:05:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Butyl benzyl phthalate	4.0	U	4.0	LOD	5.1	LOQ	ug/L	UJ	Lcs

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP60 **Laboratory: LLL**

EDD Filename: APP60-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW033-02 **Collected:** 6/23/2017 12:05:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIETHYL PHTHALATE	4.0	U	4.0	LOD	5.1	LOQ	ug/L	UJ	Lcs
DIMETHYL PHTHALATE	4.0	U	4.0	LOD	5.1	LOQ	ug/L	UJ	Lcs
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW033-02F **Collected:** 6/23/2017 12:05:00 PM **Analysis Type:** Initial/DIS-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.42	U	0.42	LOD	0.53	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP60 **Laboratory: LLL**

EDD Filename: APP60-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW034-02 **Collected:** 6/23/2017 10:45:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.23	U	0.23	LOD	0.56	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.23	U	0.23	LOD	0.56	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.23	U	0.23	LOD	0.56	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.23	U	0.23	LOD	0.56	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.23	U	0.23	LOD	0.56	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.23	U	0.23	LOD	0.56	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.23	U	0.23	LOD	0.56	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.23	U	0.23	LOD	0.56	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.23	U	0.23	LOD	0.56	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.23	U	0.23	LOD	0.56	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.23	U	0.23	LOD	0.56	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.23	U	0.23	LOD	0.56	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.23	U	0.23	LOD	0.56	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.23	U	0.23	LOD	0.56	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.23	U	0.23	LOD	0.56	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.45	U	0.45	LOD	0.56	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.23	U	0.23	LOD	0.56	LOQ	ug/L	NP	ProfJudg
PYRENE	0.23	U	0.23	LOD	0.56	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW034-02F **Collected:** 6/23/2017 10:45:00 AM **Analysis Type:** Initial/DIS-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP60 **Laboratory: LLL**

EDD Filename: APP60-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW034-02F **Collected:** 6/23/2017 10:45:00 AM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
DIETHYL PHTHALATE	3.0	J	4.3	LOD	5.3	LOQ	ug/L	J	RI
FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.43	U	0.43	LOD	0.53	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW035-02 **Collected:** 6/23/2017 1:15:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.42	U	0.42	LOD	0.53	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP60 **Laboratory: LLL**

EDD Filename: APP60-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW035-02F **Collected:** 6/23/2017 1:15:00 PM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.43	U	0.43	LOD	0.54	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
PYRENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg

Sample ID: EB-GW062317-01 **Collected:** 6/23/2017 2:20:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP60 **Laboratory: LLL**

EDD Filename: APP60-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix: WATER**

Sample ID: EB-GW062317-01 **Collected:** 6/23/2017 2:20:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.60		0.41	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Method Category: SVOA

Method: 8270D SIM **Matrix: WATER**

Sample ID: CH-MW021-02 **Collected:** 6/23/2017 9:40:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.013	J	0.043	LOD	0.053	LOQ	ug/L	J	RI
2-METHYLNAPHTHALENE	0.013	J	0.043	LOD	0.053	LOQ	ug/L	J	RI
ACENAPHTHYLENE	0.014	J	0.043	LOD	0.053	LOQ	ug/L	J	RI

Sample ID: CH-MW021-02F **Collected:** 6/23/2017 9:40:00 AM **Analysis Type:** Initial/DIS-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.013	J	0.044	LOD	0.055	LOQ	ug/L	J	RI
PYRENE	0.027	J	0.044	LOD	0.055	LOQ	ug/L	J	RI

Sample ID: CH-MW031-02 **Collected:** 6/23/2017 11:20:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.011	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
2-METHYLNAPHTHALENE	0.017	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
ANTHRACENE	0.012	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
FLUORANTHENE	0.027	J	0.040	LOD	0.050	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP60 **Laboratory: LLL**

EDD Filename: APP60-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-MW031-02 **Collected:** 6/23/2017 11:20:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORENE	0.042	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
PYRENE	0.020	J	0.040	LOD	0.050	LOQ	ug/L	J	RI

Sample ID: CH-MW031-02F **Collected:** 6/23/2017 11:20:00 AM **Analysis Type:** Initial/DIS-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.046	J	0.040	LOD	0.050	LOQ	ug/L	J	RI, Lcs
FLUORANTHENE	0.016	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
FLUORENE	0.029	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
PHENANTHRENE	0.043	J	0.060	LOD	0.060	LOQ	ug/L	J	RI
PYRENE	0.013	J	0.040	LOD	0.050	LOQ	ug/L	J	RI

Sample ID: CH-MW032-02 **Collected:** 6/23/2017 9:40:00 AM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.034	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
BENZ(A)ANTHRACENE	0.041	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
BENZO(B)FLUORANTHENE	0.016	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
FLUORENE	0.020	J	0.040	LOD	0.050	LOQ	ug/L	J	RI

Sample ID: CH-MW032-02F **Collected:** 6/23/2017 9:40:00 AM **Analysis Type:** Initial/DIS-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.061		0.040	LOD	0.050	LOQ	ug/L	J+	Lcs
ACENAPHTHYLENE	0.035	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
ANTHRACENE	0.022	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
FLUORENE	0.029	J	0.040	LOD	0.050	LOQ	ug/L	J	RI

Sample ID: CH-MW033-02F **Collected:** 6/23/2017 12:05:00 PM **Analysis Type:** Initial/DIS-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
PYRENE	0.012	J	0.042	LOD	0.053	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP60 **Laboratory: LLL**

EDD Filename: APP60-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix: WATER**

Sample ID: CH-MW033-02-X **Collected:** 6/23/2017 12:05:00 PM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
ANTHRACENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(G,H,I)PERYLENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
CHRYSENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
FLUORANTHENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
FLUORENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
NAPHTHALENE	0.061	U	0.061	LOD	0.061	LOQ	ug/L	NP	StoE, ProfJudg
PHENANTHRENE	0.061	U	0.061	LOD	0.061	LOQ	ug/L	NP	StoE, ProfJudg
PYRENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: CH-MW034-02 **Collected:** 6/23/2017 10:45:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORENE	0.015	J	0.045	LOD	0.056	LOQ	ug/L	J	RI
PHENANTHRENE	0.043	J	0.068	LOD	0.068	LOQ	ug/L	J	RI

Method Category: VOA

Method: 8260C **Matrix: WATER**

Sample ID: CH-MW032-02 **Collected:** 6/23/2017 9:40:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TRICHLOROETHENE	0.6	J	1	LOD	1	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP60 **Laboratory: LLL**

EDD Filename: APP60-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category:	**VOA**		
Method:	**8260C**	***Matrix:***	**WATER**

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP60 **Laboratory: LLL**

EDD Filename: APP60-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Reason Code Legend

Reason Code	*Description*
Eb	Equipment Blank Contamination
Lcs	Laboratory Control Precision
Lcs	Laboratory Control Spike Upper Estimation
ProfJudg	Professional Judgment
RI	Reporting Limit Trace Value
StoE	Sampling to Extraction Estimation
StoE	Sampling to Extraction Rejection
Surr	Surrogate/Tracer Recovery Lower Estimation

* denotes a non-reportable result

QC Outlier Report: HoldingTimes

Lab Reporting Batch ID: APP60 **Laboratory: LLL**

EDD Filename: APP60-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D **Preparation Method: SW3510C**

Matrix: WATER

Sample ID	Type	Actual	Criteria	Units	Flag
CH-MW021-02-X (Reanalysis-01/TO CH-MW032-02-X (Reanalysis-01/TO	Sampling To Extraction	14.00 14.00	7.00 7.00	DAYS DAYS	J- (all detects) UJ (all non-detects)
CH-MW032-02F-X (Reanalysis-01/D	Sampling To Extraction	17.00	7.00	DAYS	J-(all detects) R(all non-detects)

Method: 8270D SIM **Preparation Method: SW3510C**

Matrix: WATER

Sample ID	Type	Actual	Criteria	Units	Flag
CH-MW033-02-X (Reanalysis-01/TO	Sampling To Extraction	37.00	7.00	DAYS	J-(all detects) R(all non-detects)

Surrogate Outlier Report

Lab Reporting Batch ID: APP60 **Laboratory: LLL**

EDD Filename: APP60-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D
Matrix: WATER

Sample ID (Analysis Type)	Surrogate	Sample % Recovery	% Recovery Limits	Affected Compounds	Flag
CH-MW021-02 (Initial/TOT)	Terphenyl-d14	39	50.00-134.00	No Affected Compounds	
CH-MW032-02 (Initial/TOT)	2,4,6-TRIBROMOPHENOL 2-FLUOROPHENOL PHENOL-D6 Terphenyl-d14	1 1 1 41	43.00-140.00 19.00-119.00 10.00-71.00 50.00-134.00	All Acid Target Analytes	J-(all detects) UJ(all non-detects)
CH-MW032-02F (Initial/DIS)	2-FLUOROPHENOL	14	19.00-119.00	No Affected Compounds	

Method: 8270D SIM
Matrix: WATER

Sample ID (Analysis Type)	Surrogate	Sample % Recovery	% Recovery Limits	Affected Compounds	Flag
CH-MW033-02 (Initial/TOT)	BENZO (A) PYRENE-D12	18	26.00-137.00	No Affected Compounds	

Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP60 **Laboratory: LLL**

EDD Filename: APP60-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D
Matrix: WATER

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P9WNLCSY179WAN026 (CH-MW021-02 CH-MW031-02 CH-MW032-02 CH-MW033-02)	BENZOIC ACID Butyl benzyl phthalate DIETHYL PHTHALATE DIMETHYL PHTHALATE	- - - -	- - - -	10.00-81.00 53.00-134.00 56.00-125.00 45.00-127.00	55 (30.00) 22 (20.00) 26 (20.00) 50 (20.00)	BENZOIC ACID Butyl benzyl phthalate DIETHYL PHTHALATE DIMETHYL PHTHALATE	J (all detects) UJ (all non-detects)
P7WHLCSY187WAH026 (CH-MW021-02-X CH-MW032-02-X)	BENZOIC ACID DIMETHYL PHTHALATE	- -	- -	10.00-81.00 45.00-127.00	46 (30.00) 22 (20.00)	BENZOIC ACID DIMETHYL PHTHALATE	J(all detects) UJ(all non-detects)

Method: 8270D SIM
Matrix: WATER

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
P0WALCSQ200WAA026 P0WALCSY200WAA026 (CH-MW021-02F CH-MW031-02F CH-MW032-02F CH-MW033-02F CH-MW034-02 CH-MW034-02F CH-MW035-02 CH-MW035-02F EB-GW062317-01)	ACENAPHTHENE	120	119	48.00-114.00	-	ACENAPHTHENE	J+(all detects)
P9WGLCSY209WAG026 (CH-MW033-02-X)	ACENAPHTHENE	-	117	48.00-114.00	-	ACENAPHTHENE	J+(all detects)

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Reporting Limit Outliers

Lab Reporting Batch ID: APP60 **Laboratory: LLL**

EDD Filename: APP60-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-MW021-02	ANTIMONY	J	0.76	2.0	LOQ	ug/L	J (all detects)
	ARSENIC	J	1.3	4.0	LOQ	ug/L	
	CHROMIUM	J	2.7	4.0	LOQ	ug/L	
	COPPER	J	2.3	4.0	LOQ	ug/L	
	LEAD	J	0.67	2.0	LOQ	ug/L	
	NICKEL	J	2.6	4.0	LOQ	ug/L	
CH-MW021-02F	ARSENIC	J	1.2	4.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.9	4.0	LOQ	ug/L	
	COPPER	J	1.8	4.0	LOQ	ug/L	
	LEAD	J	0.31	2.0	LOQ	ug/L	
	NICKEL	J	1.8	4.0	LOQ	ug/L	
CH-MW031-02	ARSENIC	J	2.7	4.0	LOQ	ug/L	J (all detects)
	SELENIUM	J	1.0	4.0	LOQ	ug/L	
	THALLIUM	J	0.40	1.0	LOQ	ug/L	
CH-MW031-02F	ANTIMONY	J	0.50	2.0	LOQ	ug/L	J (all detects)
	ARSENIC	J	3.6	4.0	LOQ	ug/L	
	SELENIUM	J	1.0	4.0	LOQ	ug/L	
	THALLIUM	J	0.73	1.0	LOQ	ug/L	
CH-MW032-02	ALUMINUM	J	29.3	200	LOQ	ug/L	J (all detects)
	VANADIUM	J	0.33	1.0	LOQ	ug/L	
CH-MW032-02F	ALUMINUM	J	29.8	200	LOQ	ug/L	J (all detects)
	COPPER	J	0.57	4.0	LOQ	ug/L	
	ZINC	J	4.1	30.0	LOQ	ug/L	
CH-MW033-02	ALUMINUM	J	61.5	200	LOQ	ug/L	J (all detects)
	IRON	J	144	200	LOQ	ug/L	
	LEAD	J	0.16	2.0	LOQ	ug/L	
	NICKEL	J	3.4	4.0	LOQ	ug/L	
CH-MW033-02F	CHROMIUM	J	0.88	4.0	LOQ	ug/L	J (all detects)
	COPPER	J	0.92	4.0	LOQ	ug/L	
	LEAD	J	0.15	2.0	LOQ	ug/L	
	NICKEL	J	3.1	4.0	LOQ	ug/L	
	VANADIUM	J	0.79	1.0	LOQ	ug/L	
CH-MW034-02	ARSENIC	J	1.6	4.0	LOQ	ug/L	J (all detects)
	BERYLLIUM	J	0.32	1.0	LOQ	ug/L	
	CADMIUM	J	0.28	1.0	LOQ	ug/L	
CH-MW034-02F	ARSENIC	J	0.78	4.0	LOQ	ug/L	J (all detects)
	CADMIUM	J	0.19	1.0	LOQ	ug/L	
	CHROMIUM	J	2.4	4.0	LOQ	ug/L	
	COPPER	J	1.8	4.0	LOQ	ug/L	
	LEAD	J	0.48	2.0	LOQ	ug/L	
	NICKEL	J	3.1	4.0	LOQ	ug/L	
	ZINC	J	28.7	30.0	LOQ	ug/L	
CH-MW035-02	ARSENIC	J	1.2	4.0	LOQ	ug/L	J (all detects)
	BERYLLIUM	J	0.19	1.0	LOQ	ug/L	
	COPPER	J	3.4	4.0	LOQ	ug/L	
	LEAD	J	1.8	2.0	LOQ	ug/L	
CH-MW035-02F	ALUMINUM	J	24.0	200	LOQ	ug/L	J (all detects)
	COPPER	J	1.4	4.0	LOQ	ug/L	
	NICKEL	J	1.4	4.0	LOQ	ug/L	
	VANADIUM	J	0.28	1.0	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: APP60 **Laboratory: LLL**

EDD Filename: APP60-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
EB-GW062317-01	VANADIUM	J	0.25	1.0	LOQ	ug/L	J (all detects)
	ZINC	J	15.7	30.0	LOQ	ug/L	

Method: 8260C

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-MW032-02	TRICHLOROETHENE	J	0.6	1	LOQ	ug/L	J (all detects)

Method: 8270D

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-MW032-02	ACENAPHTHENE	J	0.14	0.50	LOQ	ug/L	J (all detects)
CH-MW032-02F	DI-N-BUTYL PHTHALATE	J	2.6	5.0	LOQ	ug/L	J (all detects)
CH-MW032-02F-X	ACENAPHTHENE	J	0.30	0.51	LOQ	ug/L	J (all detects)
	NAPHTHALENE	J	0.21	0.51	LOQ	ug/L	
CH-MW032-02-X	FLUORANTHENE	J	0.27	0.51	LOQ	ug/L	J (all detects)
CH-MW034-02F	DIETHYL PHTHALATE	J	3.0	5.3	LOQ	ug/L	J (all detects)

Method: 8270D SIM

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-MW021-02	1-METHYLNAPHTHALENE	J	0.013	0.053	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.013	0.053	LOQ	ug/L	
	ACENAPHTHYLENE	J	0.014	0.053	LOQ	ug/L	
CH-MW021-02F	ANTHRACENE	J	0.013	0.055	LOQ	ug/L	J (all detects)
	PYRENE	J	0.027	0.055	LOQ	ug/L	
CH-MW031-02	1-METHYLNAPHTHALENE	J	0.011	0.050	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.017	0.050	LOQ	ug/L	
	ANTHRACENE	J	0.012	0.050	LOQ	ug/L	
	FLUORANTHENE	J	0.027	0.050	LOQ	ug/L	
	FLUORENE	J	0.042	0.050	LOQ	ug/L	
	PYRENE	J	0.020	0.050	LOQ	ug/L	
CH-MW031-02F	ACENAPHTHENE	J	0.046	0.050	LOQ	ug/L	J (all detects)
	FLUORANTHENE	J	0.016	0.050	LOQ	ug/L	
	FLUORENE	J	0.029	0.050	LOQ	ug/L	
	PHENANTHRENE	J	0.043	0.060	LOQ	ug/L	
	PYRENE	J	0.013	0.050	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: APP60 **Laboratory: LLL**

EDD Filename: APP60-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**

Matrix: **WATER**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-MW032-02	ANTHRACENE	J	0.034	0.050	LOQ	ug/L	J (all detects)
	BENZ(A)ANTHRACENE	J	0.041	0.050	LOQ	ug/L	
	BENZO(B)FLUORANTHENE	J	0.016	0.050	LOQ	ug/L	
	FLUORENE	J	0.020	0.050	LOQ	ug/L	
CH-MW032-02F	ACENAPHTHYLENE	J	0.035	0.050	LOQ	ug/L	J (all detects)
	ANTHRACENE	J	0.022	0.050	LOQ	ug/L	
	FLUORENE	J	0.029	0.050	LOQ	ug/L	
CH-MW033-02F	PYRENE	J	0.012	0.053	LOQ	ug/L	J (all detects)
CH-MW034-02	FLUORENE	J	0.015	0.056	LOQ	ug/L	J (all detects)
	PHENANTHRENE	J	0.043	0.068	LOQ	ug/L	

Equipment Rinsate Blank Outlier Report

Lab Reporting Batch ID: APP60 **Laboratory: LLL**

EDD Filename: APP60-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**
Matrix: **WATER**

Equipment Blank Sample ID	Collected Date	Analyte	Result	Associated Samples
EB-GW062317-01(Initial/TOT)	6/23/2017 2:20:00 PM	VANADIUM ZINC	0.25 ug/L 15.7 ug/L	CH-MW034-02 CH-MW034-02F CH-MW035-02 CH-MW035-02F

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
CH-MW034-02(Initial/TOT)	ZINC	51.3 ug/L	51.3U ug/L
CH-MW035-02(Initial/TOT)	ZINC	37.6 ug/L	37.6U ug/L

Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page	1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.		
Laboratory SDG:	APP61		
Date(s) of Collection:	June 26th, 2017		
Number/Type Samples & Analyses:	12 ground water samples plus 5 field duplicate and 1 trip blank for a project-specific list of VOCs, SVOCs, PAHs, PCBs, hexavalent chromium, metals, and MNA parameters		
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA		
Completed:	November 19th, 2017		

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for ground water data included in Sample Delivery Group (SDG) APP61. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✓ Holding times and sample preservation

✓ Laboratory method blank data

NA Field rinsate blank data

✓ Trip blank data

✗ Laboratory control sample (LCS) recoveries

✗ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✗ Surrogate recoveries

✓ Laboratory duplicate results

✗ Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of "J" data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

All the ground water samples were run for 8270 SIM and regular 8270. The final results will be presented in SVOC SIM except for CH-MW024-02F and CH-MW024-02.

Samples CH-MW018-02, CH-MW018-02D, CH-MW018-02F, CH-MW018-02DF, CH-MW024-02F, and CH-MW024-02 have low surrogate recovery in method 8270D. The samples were re-extracted outside the method required holding time and the QC parameters were acceptable. Similar results were obtained in the both analyses. The initial results will be presented as the final results.

Several analytes were over calibration in method 8270D SIM in samples CH-MW024-02F (1-methylnaphthalene, 2-methylnaphthalene, and naphthalene), CH-MW024-02 (1-methylnaphthalene, 2-methylnaphthalene, and naphthalene) The samples were diluted and re-analyzed. All results will be presented in method 8270D SIM except for the three analytes.

Samples CH-MW022-02, CH-MW022-02D had low surrogate recovery in method 8270D SIM. The sample was re-extracted outside the method required holding time and the QC was acceptable. The initial results will be presented as the final results.

This data package was revised 11/9/2017 due to the Eurofins SW6020A metals data breach. The majority of the data changes were made to Quality Control (QC) and/or calibration checks, not to actual sample results. The few field sample result changes were due to the originally reported result exceeding the linear calibration range of the instrument; those results were changed to be slightly lower than the upper limit of the calibration range.

In this package, the percent recovery for antimony in the continuing calibration verification was slightly below QC specification and the percent recovery for calcium in the continuing calibration verification was slightly above QC specification. The percent recoveries for aluminum and calcium in the low level check standard were not within the QC specification; however, the LCS which is 2 to 5 times the LLC was within QC limits for both analytes. The result in the continuing calibration blank for aluminum changed from 22 ug/l to 220 ug/l which affected two samples, CH-MW020-02 and CH-MW024-02; sample results were adjusted to the LOQ and U qualified. Additional review of the SW6020A instrument calibrations is presented in Appendix B and Table B-1.

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
J+	The result is an estimated quantity, but the result may be biased high.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

Attachment B and Table B-1 present summaries of the SW6020A instrument calibration review.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Attachment B: SW6020A Instrument Calibration Review Summary

Data Review Summary

Lab Reporting Batch ID: APP61 **Laboratory: LLL**

EDD Filename: APP61-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Validation Area	*Note*
Technical Holding Times	SR
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	A
Surrogate/Tracer Spikes	SR
Matrix Spike/Matrix Spike Duplicates	SR
Laboratory Duplicates	A
Laboratory Replicates	N
Laboratory Control Samples	SR
Compound Quantitation	SR
Field Duplicates	SR
Field Triplicates	N
Field Blanks	A

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP61 **Laboratory: LLL**

EDD Filename: APP61-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: GENCHEM

Method: 410.4 **Matrix: WATER**

Sample ID: CH-MW024-02 **Collected:** 6/26/2017 1:10:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHEMICAL OXYGEN DEMAND	35000	J	50000	LOD	50000	LOQ	ug/L	J	RI

Method Category: GENCHEM

Method: 9056A **Matrix: WATER**

Sample ID: CH-MW020-02 **Collected:** 6/26/2017 2:45:00 PM **Analysis Type:** Initial/TOT **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLORIDE	28900		2000	LOD	2000	LOQ	ug/L	J+	Ms
NITRATE	480	J	500	LOD	500	LOQ	ug/L	J	RI
SULFATE	4800	J	5000	LOD	5000	LOQ	ug/L	J	RI

Method Category: GENCHEM

Method: SM 4500-S2D **Matrix: WATER**

Sample ID: CH-MW024-02 **Collected:** 6/26/2017 1:10:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SULFIDE	40	J	100	LOD	100	LOQ	ug/L	J	RI

Method Category: METALS

Method: 6020A **Matrix: WATER**

Sample ID: CH-MW018-02 **Collected:** 6/26/2017 12:20:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.3	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
CHROMIUM	1.5	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
COBALT	0.58	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
LEAD	0.50	J	0.25	LOD	2.0	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP61 **Laboratory: LLL**

EDD Filename: APP61-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** WATER

Sample ID: CH-MW018-02D **Collected:** 6/26/2017 12:20:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.4	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
CHROMIUM	1.3	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
COBALT	0.67	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
LEAD	0.46	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl

Sample ID: CH-MW018-02DF **Collected:** 6/26/2017 12:20:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	98.6	J	50.0	LOD	200	LOQ	ug/L	J	Rl
ARSENIC	0.81	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
CHROMIUM	1.0	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl, Fd
COBALT	0.56	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl

Sample ID: CH-MW018-02F **Collected:** 6/26/2017 12:20:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	134	J	50.0	LOD	200	LOQ	ug/L	J	Rl
ARSENIC	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
CHROMIUM	1.4	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl, Fd
COBALT	0.56	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl

Sample ID: CH-MW020-02 **Collected:** 6/26/2017 2:45:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	36.5	J	50.0	LOD	200	LOQ	ug/L	U	Cb
COBALT	0.40	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
IRON	45.1	J	100	LOD	200	LOQ	ug/L	J	Rl
LEAD	0.23	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
VANADIUM	0.48	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP61 **Laboratory: LLL**

EDD Filename: APP61-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-MW020-02F** ***Collected:*** **6/26/2017 2:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COBALT	0.44	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
COPPER	0.63	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
VANADIUM	0.46	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl

Sample ID: **CH-MW022-02** ***Collected:*** **6/26/2017 10:55:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.076	J	0.25	LOD	1.0	LOQ	ug/L	J	Rl
CHROMIUM	3.2	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
COPPER	2.1	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	0.83	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
NICKEL	3.2	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl, Fd
VANADIUM	4.3		0.50	LOD	1.0	LOQ	ug/L	J	Fd
ZINC	10	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl, Fd

Sample ID: **CH-MW022-02D** ***Collected:*** **6/26/2017 10:55:00 AM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.096	J	0.25	LOD	1.0	LOQ	ug/L	J	Rl
CHROMIUM	2.9	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
COPPER	2.1	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
LEAD	0.72	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl
NICKEL	2.2	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl, Fd
VANADIUM	3.1		0.50	LOD	1.0	LOQ	ug/L	J	Fd
ZINC	4.9	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl, Fd

Sample ID: **CH-MW022-02DF** ***Collected:*** **6/26/2017 10:55:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	31.4	J	50.0	LOD	200	LOQ	ug/L	J	Rl, Fd
COBALT	0.87	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
COPPER	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	Fd

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP61 **Laboratory: LLL**

EDD Filename: APP61-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** WATER

Sample ID: CH-MW022-02DF **Collected:** 6/26/2017 10:55:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
IRON	100	U	100	LOD	200	LOQ	ug/L	UJ	Fd
NICKEL	1.0	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl, Fd
VANADIUM	0.70	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl, Fd

Sample ID: CH-MW022-02F **Collected:** 6/26/2017 10:55:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	45.7	J	50.0	LOD	200	LOQ	ug/L	J	Rl, Fd
COBALT	0.87	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
COPPER	0.54	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl, Fd
IRON	51.9	J	100	LOD	200	LOQ	ug/L	J	Rl, Fd
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	Fd
VANADIUM	0.39	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl, Fd

Sample ID: CH-MW023-02 **Collected:** 6/26/2017 11:00:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	113	J	50.0	LOD	200	LOQ	ug/L	J	Rl
COPPER	0.63	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
IRON	119	J	100	LOD	200	LOQ	ug/L	J	Rl
NICKEL	2.6	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
VANADIUM	0.68	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl

Sample ID: CH-MW023-02F **Collected:** 6/26/2017 11:00:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	0.94	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
NICKEL	2.8	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
VANADIUM	0.38	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP61 **Laboratory: LLL**

EDD Filename: APP61-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** WATER

Sample ID: CH-MW024-02 **Collected:** 6/26/2017 1:10:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	130	J	50.0	LOD	200	LOQ	ug/L	U	Cb
COBALT	0.42	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
VANADIUM	0.73	J	0.50	LOD	1.0	LOQ	ug/L	J	RI

Sample ID: CH-MW024-02F **Collected:** 6/26/2017 1:10:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COBALT	0.26	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
VANADIUM	0.79	J	0.50	LOD	1.0	LOQ	ug/L	J	RI

Sample ID: CH-MW030-02 **Collected:** 6/26/2017 3:00:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.9	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
BERYLLIUM	0.12	J	0.25	LOD	1.0	LOQ	ug/L	J	RI
NICKEL	3.0	J	2.0	LOD	4.0	LOQ	ug/L	J	RI

Sample ID: CH-MW030-02F **Collected:** 6/26/2017 3:00:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	64.9	J	50.0	LOD	200	LOQ	ug/L	J	RI
ARSENIC	1.3	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
CHROMIUM	1.0	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
COBALT	0.54	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
LEAD	0.13	J	0.25	LOD	2.0	LOQ	ug/L	J	RI

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP61 **Laboratory: LLL**

EDD Filename: APP61-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW018-02 **Collected:** 6/26/2017 12:20:00 PM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.0	U	1.0	LOD	1.0	LOQ	ug/L	UJ	Surr
4-CHLORO-3-METHYLPHENOL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	UJ	Surr
BENZOIC ACID	16	U	16	LOD	16	LOQ	ug/L	UJ	Surr

Sample ID: CH-MW018-02 **Collected:** 6/26/2017 12:20:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	Fd, ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	Fd, ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	Fd, ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	Fd, ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	Fd, ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	Fd, ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	Fd, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.42	U	0.42	LOD	0.52	LOQ	ug/L	NP	Fd, ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	Fd, ProfJudg
PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	Fd, ProfJudg

Sample ID: CH-MW018-02D **Collected:** 6/26/2017 12:20:00 PM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.0	U	1.0	LOD	1.0	LOQ	ug/L	UJ	Surr
4-CHLORO-3-METHYLPHENOL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	UJ	Surr
BENZOIC ACID	16	U	16	LOD	16	LOQ	ug/L	UJ	Surr

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP61 **Laboratory: LLL**

EDD Filename: APP61-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW018-02D **Collected:** 6/26/2017 12:20:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.32	J	0.21	LOD	0.52	LOQ	ug/L	NP	RI, Fd, ProfJudg
2-METHYLNAPHTHALENE	0.40	J	0.21	LOD	0.52	LOQ	ug/L	NP	RI, Fd, ProfJudg
ACENAPHTHENE	0.11	J	0.21	LOD	0.52	LOQ	ug/L	NP	RI, Fd, ProfJudg
ACENAPHTHYLENE	0.24	J	0.21	LOD	0.52	LOQ	ug/L	NP	RI, Fd, ProfJudg
ANTHRACENE	0.12	J	0.21	LOD	0.52	LOQ	ug/L	NP	RI, Fd, ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.12	J	0.21	LOD	0.52	LOQ	ug/L	NP	RI, Fd, ProfJudg
FLUORENE	0.17	J	0.21	LOD	0.52	LOQ	ug/L	NP	RI, Fd, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	1.1		0.42	LOD	0.52	LOQ	ug/L	NP	Fd, ProfJudg
PHENANTHRENE	0.40	J	0.21	LOD	0.52	LOQ	ug/L	NP	RI, Fd, ProfJudg
PYRENE	0.21	J	0.21	LOD	0.52	LOQ	ug/L	NP	RI, Fd, ProfJudg

Sample ID: CH-MW018-02DF **Collected:** 6/26/2017 12:20:00 PM **Analysis Type:** Initial/DIS-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.0	U	1.0	LOD	1.0	LOQ	ug/L	UJ	Surr
4-CHLORO-3-METHYLPHENOL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	UJ	Surr
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/L	UJ	Surr

Sample ID: CH-MW018-02DF **Collected:** 6/26/2017 12:20:00 PM **Analysis Type:** Initial/DIS-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP61 **Laboratory: LLL**

EDD Filename: APP61-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW018-02DF **Collected:** 6/26/2017 12:20:00 PM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.52	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW018-02DF-X **Collected:** 6/26/2017 12:20:00 PM **Analysis Type:** Reanalysis-01/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	1.1	U	1.1	LOD	1.1	LOQ	ug/L	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	1.1	U	1.1	LOD	1.1	LOQ	ug/L	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	4.3	U	4.3	LOD	4.3	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: CH-MW018-02DF-X **Collected:** 6/26/2017 12:20:00 PM **Analysis Type:** Reanalysis-01/DIS-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.1	U	1.1	LOD	1.1	LOQ	ug/L	NP	Surr, StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	1.1	U	1.1	LOD	1.1	LOQ	ug/L	NP	Surr, StoE, ProfJudg
BENZOIC ACID	16	U	16	LOD	16	LOQ	ug/L	NP	Surr, StoE, ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP61 **Laboratory: LLL**

EDD Filename: APP61-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-MW018-02DF-X** ***Collected:*** **6/26/2017 12:20:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1,4-DICHLOROBENZENE	1.1	U	1.1	LOD	1.1	LOQ	ug/L	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	1.1	U	1.1	LOD	1.1	LOQ	ug/L	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	StoE, ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	StoE, ProfJudg
BENZALDEHYDE	4.3	U	4.3	LOD	5.3	LOQ	ug/L	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	4.3	U	4.3	LOD	5.3	LOQ	ug/L	NP	StoE, ProfJudg
Butyl benzyl phthalate	4.3	U	4.3	LOD	5.3	LOQ	ug/L	NP	StoE, ProfJudg
CAPROLACTAM	16	U	16	LOD	16	LOQ	ug/L	NP	StoE, ProfJudg
CARBAZOLE	1.1	U	1.1	LOD	1.1	LOQ	ug/L	NP	StoE, ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZOFURAN	1.1	U	1.1	LOD	1.1	LOQ	ug/L	NP	StoE, ProfJudg
DIETHYL PHTHALATE	4.3	U	4.3	LOD	5.3	LOQ	ug/L	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	4.3	U	4.3	LOD	5.3	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	4.3	U	4.3	LOD	5.3	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	4.3	U	4.3	LOD	5.3	LOQ	ug/L	NP	StoE, ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	StoE, ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	StoE, ProfJudg
NAPHTHALENE	0.43	U	0.43	LOD	0.53	LOQ	ug/L	NP	StoE, ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	StoE, ProfJudg
PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	StoE, ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP61 **Laboratory: LLL**

EDD Filename: APP61-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW018-02D-X **Collected:** 6/26/2017 12:20:00 PM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	4.0	U	4.0	LOD	4.0	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: CH-MW018-02D-X **Collected:** 6/26/2017 12:20:00 PM **Analysis Type:** Reanalysis-01/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: CH-MW018-02D-X **Collected:** 6/26/2017 12:20:00 PM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
BENZALDEHYDE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	StoE, ProfJudg
Butyl benzyl phthalate	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	StoE, ProfJudg
CAPROLACTAM	15	U	15	LOD	15	LOQ	ug/L	NP	StoE, ProfJudg
CARBAZOLE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP61 **Laboratory: LLL**

EDD Filename: APP61-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW018-02D-X **Collected:** 6/26/2017 12:20:00 PM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZOFURAN	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
DIETHYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	StoE, ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: CH-MW018-02F **Collected:** 6/26/2017 12:20:00 PM **Analysis Type:** Initial/DIS-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.1	U	1.1	LOD	1.1	LOQ	ug/L	UJ	Surr
4-CHLORO-3-METHYLPHENOL	1.1	U	1.1	LOD	1.1	LOQ	ug/L	UJ	Surr
BENZOIC ACID	16	U	16	LOD	16	LOQ	ug/L	UJ	Surr

Sample ID: CH-MW018-02F **Collected:** 6/26/2017 12:20:00 PM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP61 **Laboratory: LLL**

EDD Filename: APP61-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW018-02F **Collected:** 6/26/2017 12:20:00 PM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.42	U	0.42	LOD	0.53	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW018-02F-X **Collected:** 6/26/2017 12:20:00 PM **Analysis Type:** Reanalysis-01/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	4.1	U	4.1	LOD	4.1	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: CH-MW018-02F-X **Collected:** 6/26/2017 12:20:00 PM **Analysis Type:** Reanalysis-01/DIS-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	Surr, StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	Surr, StoE, ProfJudg
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/L	NP	Surr, StoE, ProfJudg

Sample ID: CH-MW018-02F-X **Collected:** 6/26/2017 12:20:00 PM **Analysis Type:** Reanalysis-01/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP61 **Laboratory: LLL**

EDD Filename: APP61-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW018-02F-X **Collected:** 6/26/2017 12:20:00 PM **Analysis Type:** Reanalysis-01/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
BENZALDEHYDE	4.1	U	4.1	LOD	5.2	LOQ	ug/L	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	4.1	U	4.1	LOD	5.2	LOQ	ug/L	NP	StoE, ProfJudg
Butyl benzyl phthalate	4.1	U	4.1	LOD	5.2	LOQ	ug/L	NP	StoE, ProfJudg
CAPROLACTAM	15	U	15	LOD	15	LOQ	ug/L	NP	StoE, ProfJudg
CARBAZOLE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZOFURAN	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
DIETHYL PHTHALATE	4.1	U	4.1	LOD	5.2	LOQ	ug/L	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	4.1	U	4.1	LOD	5.2	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	4.1	U	4.1	LOD	5.2	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	4.1	U	4.1	LOD	5.2	LOQ	ug/L	NP	StoE, ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: CH-MW018-02-X **Collected:** 6/26/2017 12:20:00 PM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	1.1	U	1.1	LOD	1.1	LOQ	ug/L	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	1.1	U	1.1	LOD	1.1	LOQ	ug/L	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	4.3	U	4.3	LOD	4.3	LOQ	ug/L	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP61 **Laboratory: LLL**

EDD Filename: APP61-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-MW018-02-X** ***Collected:*** **6/26/2017 12:20:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT-ACID** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
3/4-Methylphenol [m/p-Cresol]	1.1	U	1.1	LOD	1.1	LOQ	ug/L	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	1.1	U	1.1	LOD	1.1	LOQ	ug/L	NP	StoE, ProfJudg
BENZOIC ACID	16	U	16	LOD	16	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: **CH-MW018-02-X** ***Collected:*** **6/26/2017 12:20:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1,4-DICHLOROBENZENE	1.1	U	1.1	LOD	1.1	LOQ	ug/L	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	1.1	U	1.1	LOD	1.1	LOQ	ug/L	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	StoE, ProfJudg
ANTHRACENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	StoE, ProfJudg
BENZALDEHYDE	4.3	U	4.3	LOD	5.4	LOQ	ug/L	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	4.3	U	4.3	LOD	5.4	LOQ	ug/L	NP	StoE, ProfJudg
Butyl benzyl phthalate	4.3	U	4.3	LOD	5.4	LOQ	ug/L	NP	StoE, ProfJudg
CAPROLACTAM	16	U	16	LOD	16	LOQ	ug/L	NP	StoE, ProfJudg
CARBAZOLE	1.1	U	1.1	LOD	1.1	LOQ	ug/L	NP	StoE, ProfJudg
CHRYSENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZOFURAN	1.1	U	1.1	LOD	1.1	LOQ	ug/L	NP	StoE, ProfJudg
DIETHYL PHTHALATE	4.3	U	4.3	LOD	5.4	LOQ	ug/L	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	4.3	U	4.3	LOD	5.4	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	4.3	U	4.3	LOD	5.4	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	4.3	U	4.3	LOD	5.4	LOQ	ug/L	NP	StoE, ProfJudg
FLUORANTHENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	StoE, ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP61 **Laboratory: LLL**

EDD Filename: APP61-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW018-02-X **Collected:** 6/26/2017 12:20:00 PM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	StoE, ProfJudg
NAPHTHALENE	0.43	U	0.43	LOD	0.54	LOQ	ug/L	NP	StoE, ProfJudg
PHENANTHRENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	StoE, ProfJudg
PYRENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: CH-MW020-02 **Collected:** 6/26/2017 2:45:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.52	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW020-02F **Collected:** 6/26/2017 2:45:00 PM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP61 **Laboratory: LLL**

EDD Filename: APP61-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW020-02F **Collected:** 6/26/2017 2:45:00 PM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW022-02 **Collected:** 6/26/2017 10:55:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP61 **Laboratory: LLL**

EDD Filename: APP61-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-MW022-02** ***Collected:*** **6/26/2017 10:55:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

Sample ID: **CH-MW022-02D** ***Collected:*** **6/26/2017 10:55:00 AM** ***Analysis Type:*** **Initial/TOT-BASE/ NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.40	U	0.40	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP61 **Laboratory: LLL**

EDD Filename: APP61-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW022-02DF **Collected:** 6/26/2017 10:55:00 AM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW022-02F **Collected:** 6/26/2017 10:55:00 AM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP61 **Laboratory: LLL**

EDD Filename: APP61-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW022-02F **Collected:** 6/26/2017 10:55:00 AM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW023-02 **Collected:** 6/26/2017 11:00:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.43	U	0.43	LOD	0.53	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.53	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP61 **Laboratory: LLL**

EDD Filename: APP61-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW023-02F **Collected:** 6/26/2017 11:00:00 AM **Analysis Type:** Initial/DIS-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.43	U	0.43	LOD	0.54	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
PYRENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW024-02 **Collected:** 6/26/2017 1:10:00 PM **Analysis Type:** Initial/TOT-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.1	U	1.1	LOD	1.1	LOQ	ug/L	UJ	Surr
4-CHLORO-3-METHYLPHENOL	1.1	U	1.1	LOD	1.1	LOQ	ug/L	UJ	Surr
BENZOIC ACID	16	U	16	LOD	16	LOQ	ug/L	UJ	Surr

Sample ID: CH-MW024-02 **Collected:** 6/26/2017 1:10:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	2.9		0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.30	J	0.22	LOD	0.55	LOQ	ug/L	NP	RI, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP61 **Laboratory: LLL**

EDD Filename: APP61-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW024-02 **Collected:** 6/26/2017 1:10:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
CARBAZOLE	0.89	J	1.1	LOD	1.1	LOQ	ug/L	J	RI
CHRYSENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
FLUORENE	3.8		0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	3.4		0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg
PYRENE	0.22	U	0.22	LOD	0.55	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW024-02F **Collected:** 6/26/2017 1:10:00 PM **Analysis Type:** Initial/DIS-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.1	U	1.1	LOD	1.1	LOQ	ug/L	UJ	Surr
4-CHLORO-3-METHYLPHENOL	1.1	U	1.1	LOD	1.1	LOQ	ug/L	UJ	Surr
BENZOIC ACID	16	U	16	LOD	16	LOQ	ug/L	UJ	Surr

Sample ID: CH-MW024-02F **Collected:** 6/26/2017 1:10:00 PM **Analysis Type:** Initial/DIS-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	2.0		0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP61 **Laboratory: LLL**

EDD Filename: APP61-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW024-02F **Collected:** 6/26/2017 1:10:00 PM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.73		0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg
PYRENE	0.22	U	0.22	LOD	0.54	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW024-02F-X **Collected:** 6/26/2017 1:10:00 PM **Analysis Type:** Reanalysis-01/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	1.7		1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	4.0	U	4.0	LOD	4.0	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: CH-MW024-02F-X **Collected:** 6/26/2017 1:10:00 PM **Analysis Type:** Reanalysis-01/DIS-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: CH-MW024-02F-X **Collected:** 6/26/2017 1:10:00 PM **Analysis Type:** Reanalysis-01/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	37		0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	33		0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHENE	2.1		0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP61 **Laboratory: LLL**

EDD Filename: APP61-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-MW024-02F-X** ***Collected:*** **6/26/2017 1:10:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
BENZALDEHYDE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	StoE, ProfJudg
Butyl benzyl phthalate	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	StoE, ProfJudg
CAPROLACTAM	15	U	15	LOD	15	LOQ	ug/L	NP	StoE, ProfJudg
CARBAZOLE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZOFURAN	0.96	J	1.0	LOD	1.0	LOQ	ug/L	NP	RI, StoE, ProfJudg
DIETHYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	NP	StoE, ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
FLUORENE	1.4		0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
NAPHTHALENE	16		0.40	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: **CH-MW024-02-X** ***Collected:*** **6/26/2017 1:10:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	2.9		1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	4.2	U	4.2	LOD	4.2	LOQ	ug/L	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP61 **Laboratory: LLL**

EDD Filename: APP61-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-MW024-02-X** ***Collected:*** **6/26/2017 1:10:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT-ACID** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
3/4-Methylphenol [m/p-Cresol]	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
BENZOIC ACID	16	U	16	LOD	16	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: **CH-MW024-02-X** ***Collected:*** **6/26/2017 1:10:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1,4-DICHLOROBENZENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	40		0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	39		0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHENE	2.4		0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
ANTHRACENE	0.31	J	0.21	LOD	0.52	LOQ	ug/L	NP	RI, StoE, ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
BENZALDEHYDE	4.2	U	4.2	LOD	5.2	LOQ	ug/L	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	4.2	U	4.2	LOD	5.2	LOQ	ug/L	NP	StoE, ProfJudg
Butyl benzyl phthalate	4.2	U	4.2	LOD	5.2	LOQ	ug/L	NP	StoE, ProfJudg
CAPROLACTAM	16	U	16	LOD	16	LOQ	ug/L	NP	StoE, ProfJudg
CARBAZOLE	0.80	J	1.0	LOD	1.0	LOQ	ug/L	NP	RI, StoE, ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZOFURAN	2.3		1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
DIETHYL PHTHALATE	4.2	U	4.2	LOD	5.2	LOQ	ug/L	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	4.2	U	4.2	LOD	5.2	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	4.2	U	4.2	LOD	5.2	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	4.2	U	4.2	LOD	5.2	LOQ	ug/L	NP	StoE, ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP61 **Laboratory: LLL**

EDD Filename: APP61-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW024-02-X **Collected:** 6/26/2017 1:10:00 PM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
FLUORENE	3.1		0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
NAPHTHALENE	16		0.42	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
PHENANTHRENE	2.6		0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg
PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: CH-MW030-02 **Collected:** 6/26/2017 3:00:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.10	J	0.20	LOD	0.50	LOQ	ug/L	NP	RI, ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	1.9		0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.47	J	0.20	LOD	0.50	LOQ	ug/L	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIBENZOFURAN	0.96	J	1.0	LOD	1.0	LOQ	ug/L	J	RI
FLUORANTHENE	0.48	J	0.20	LOD	0.50	LOQ	ug/L	NP	RI, ProfJudg
FLUORENE	1.0		0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.48	J	0.40	LOD	0.50	LOQ	ug/L	NP	RI, ProfJudg
PHENANTHRENE	0.73		0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PYRENE	0.34	J	0.20	LOD	0.50	LOQ	ug/L	NP	RI, ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP61 **Laboratory: LLL**

EDD Filename: APP61-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix: WATER**

Sample ID: CH-MW030-02F **Collected:** 6/26/2017 3:00:00 PM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DI-N-BUTYL PHTHALATE	2.0	J	4.1	LOD	5.1	LOQ	ug/L	J	Rl
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.11	J	0.41	LOD	0.51	LOQ	ug/L	NP	Rl, ProfJudg
PHENANTHRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Method Category: SVOA

Method: 8270D SIM **Matrix: WATER**

Sample ID: CH-MW018-02 **Collected:** 6/26/2017 12:20:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.011	J	0.042	LOD	0.052	LOQ	ug/L	J	Rl, Fd
ACENAPHTHENE	0.063		0.042	LOD	0.052	LOQ	ug/L	J+	Lcs
FLUORENE	0.033	J	0.042	LOD	0.052	LOQ	ug/L	J	Rl
NAPHTHALENE	0.048	J	0.063	LOD	0.063	LOQ	ug/L	J	Rl
PYRENE	0.018	J	0.042	LOD	0.052	LOQ	ug/L	J	Rl

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP61 **Laboratory: LLL**

EDD Filename: APP61-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-MW018-02D **Collected:** 6/26/2017 12:20:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.042	U	0.042	LOD	0.052	LOQ	ug/L	UJ	Fd
ACENAPHTHENE	0.075		0.042	LOD	0.052	LOQ	ug/L	J+	Lcs
FLUORENE	0.032	J	0.042	LOD	0.052	LOQ	ug/L	J	Rl
NAPHTHALENE	0.042	J	0.063	LOD	0.063	LOQ	ug/L	J	Rl
PYRENE	0.015	J	0.042	LOD	0.052	LOQ	ug/L	J	Rl

Sample ID: CH-MW018-02DF **Collected:** 6/26/2017 12:20:00 PM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.020	J	0.041	LOD	0.052	LOQ	ug/L	J	Rl, Lcs, Fd
NAPHTHALENE	0.033	J	0.062	LOD	0.062	LOQ	ug/L	J	Rl, Fd
PYRENE	0.018	J	0.041	LOD	0.052	LOQ	ug/L	J	Rl

Sample ID: CH-MW018-02F **Collected:** 6/26/2017 12:20:00 PM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.030	J	0.042	LOD	0.053	LOQ	ug/L	J	Rl, Lcs, Fd
NAPHTHALENE	0.063	U	0.063	LOD	0.063	LOQ	ug/L	UJ	Fd
PYRENE	0.017	J	0.042	LOD	0.053	LOQ	ug/L	J	Rl

Sample ID: CH-MW020-02F **Collected:** 6/26/2017 2:45:00 PM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.043	J	0.040	LOD	0.051	LOQ	ug/L	J	Rl
2-METHYLNAPHTHALENE	0.023	J	0.040	LOD	0.051	LOQ	ug/L	J	Rl
NAPHTHALENE	0.037	J	0.061	LOD	0.061	LOQ	ug/L	J	Rl

Sample ID: CH-MW022-02D-X **Collected:** 6/26/2017 10:55:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP61 **Laboratory: LLL**

EDD Filename: APP61-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D SIM** ***Matrix:*** **WATER**

Sample ID: **CH-MW022-02D-X** ***Collected:*** **6/26/2017 10:55:00 AM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
ACENAPHTHYLENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
ANTHRACENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(G,H,I)PERYLENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
CHRYSENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
FLUORANTHENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
FLUORENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
NAPHTHALENE	0.061	U	0.061	LOD	0.061	LOQ	ug/L	NP	StoE, ProfJudg
PHENANTHRENE	0.061	U	0.061	LOD	0.061	LOQ	ug/L	NP	StoE, ProfJudg
PYRENE	0.040	U	0.040	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: **CH-MW022-02-X** ***Collected:*** **6/26/2017 10:55:00 AM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1-METHYLNAPHTHALENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
ANTHRACENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(G,H,I)PERYLENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
CHRYSENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
FLUORANTHENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP61 **Laboratory: LLL**

EDD Filename: APP61-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-MW022-02-X **Collected:** 6/26/2017 10:55:00 AM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg
NAPHTHALENE	0.062	U	0.062	LOD	0.062	LOQ	ug/L	NP	StoE, ProfJudg
PHENANTHRENE	0.062	U	0.062	LOD	0.062	LOQ	ug/L	NP	StoE, ProfJudg
PYRENE	0.041	U	0.041	LOD	0.051	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: CH-MW024-02 **Collected:** 6/26/2017 1:10:00 PM **Analysis Type:** Dilution-01/TOT-BASE/NEUTRAL **Dilution:** 20

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	56		0.87	LOD	1.1	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	60		0.87	LOD	1.1	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	3.2		0.87	LOD	1.1	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.55	J	0.87	LOD	1.1	LOQ	ug/L	NP	RI, ProfJudg
ANTHRACENE	0.37	J	0.87	LOD	1.1	LOQ	ug/L	NP	RI, ProfJudg
BENZ(A)ANTHRACENE	0.87	U	0.87	LOD	1.1	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.87	U	0.87	LOD	1.1	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.87	U	0.87	LOD	1.1	LOQ	ug/L	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.87	U	0.87	LOD	1.1	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.87	U	0.87	LOD	1.1	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.87	U	0.87	LOD	1.1	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.87	U	0.87	LOD	1.1	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.87	U	0.87	LOD	1.1	LOQ	ug/L	NP	ProfJudg
FLUORENE	3.5		0.87	LOD	1.1	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.87	U	0.87	LOD	1.1	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	23		1.3	LOD	1.3	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	3.6		1.3	LOD	1.3	LOQ	ug/L	NP	ProfJudg
PYRENE	0.87	U	0.87	LOD	1.1	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW024-02 **Collected:** 6/26/2017 1:10:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	45	E	0.044	LOD	0.055	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP61 **Laboratory: LLL**

EDD Filename: APP61-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-MW024-02 **Collected:** 6/26/2017 1:10:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-METHYLNAPHTHALENE	49	E	0.044	LOD	0.055	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.018	J	0.044	LOD	0.055	LOQ	ug/L	J	RI
NAPHTHALENE	18	E	0.066	LOD	0.066	LOQ	ug/L	NP	ProfJudg
PYRENE	0.032	J	0.044	LOD	0.055	LOQ	ug/L	J	RI

Sample ID: CH-MW024-02F **Collected:** 6/26/2017 1:10:00 PM **Analysis Type:** Dilution-01/DIS-BASE/ NEUTRAL **Dilution:** 20

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	47		0.86	LOD	1.1	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	43		0.86	LOD	1.1	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	2.3		0.86	LOD	1.1	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.27	J	0.86	LOD	1.1	LOQ	ug/L	NP	RI, ProfJudg
ANTHRACENE	0.86	U	0.86	LOD	1.1	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.86	U	0.86	LOD	1.1	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.86	U	0.86	LOD	1.1	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.86	U	0.86	LOD	1.1	LOQ	ug/L	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.86	U	0.86	LOD	1.1	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.86	U	0.86	LOD	1.1	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.86	U	0.86	LOD	1.1	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.86	U	0.86	LOD	1.1	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.86	U	0.86	LOD	1.1	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.69	J	0.86	LOD	1.1	LOQ	ug/L	NP	RI, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.86	U	0.86	LOD	1.1	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	21		1.3	LOD	1.3	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	1.3	U	1.3	LOD	1.3	LOQ	ug/L	NP	ProfJudg
PYRENE	0.86	U	0.86	LOD	1.1	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW024-02F **Collected:** 6/26/2017 1:10:00 PM **Analysis Type:** Initial/DIS-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	39	E	0.043	LOD	0.054	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	36	E	0.043	LOD	0.054	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP61 **Laboratory: LLL**

EDD Filename: APP61-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix: WATER**

Sample ID: CH-MW024-02F **Collected:** 6/26/2017 1:10:00 PM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NAPHTHALENE	17	E	0.065	LOD	0.065	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.058	J	0.065	LOD	0.065	LOQ	ug/L	J	RI
PYRENE	0.019	J	0.043	LOD	0.054	LOQ	ug/L	J	RI

Sample ID: CH-MW030-02 **Collected:** 6/26/2017 3:00:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	2.3		0.040	LOD	0.050	LOQ	ug/L	J+	Lcs
BENZO(G,H,I)PERYLENE	0.043	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
BENZO(K)FLUORANTHENE	0.025	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
DIBENZO(A,H)ANTHRACENE	0.011	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
INDENO(1,2,3-CD)PYRENE	0.039	J	0.040	LOD	0.050	LOQ	ug/L	J	RI

Sample ID: CH-MW030-02F **Collected:** 6/26/2017 3:00:00 PM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	0.030	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
ANTHRACENE	0.015	J	0.041	LOD	0.051	LOQ	ug/L	J	RI
FLUORENE	0.011	J	0.041	LOD	0.051	LOQ	ug/L	J	RI

Method Category: VOA

Method: 8260C **Matrix: WATER**

Sample ID: CH-MW024-02 **Collected:** 6/26/2017 1:10:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2,4-TRIMETHYLBENZENE	3	J	2	LOD	5	LOQ	ug/L	J	RI
ISOPROPYLBENZENE	2	J	2	LOD	5	LOQ	ug/L	J	RI
N-BUTYLBENZENE	1	J	2	LOD	5	LOQ	ug/L	J	RI
N-PROPYLBENZENE	2	J	2	LOD	5	LOQ	ug/L	J	RI
SEC-BUTYLBENZENE	2	J	2	LOD	5	LOQ	ug/L	J	RI

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP61 **Laboratory: LLL**

EDD Filename: APP61-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **VOA**

Method: **RSK-175** ***Matrix:*** **WATER**

Sample ID: **CH-MW024-02** ***Collected:*** **6/26/2017 1:10:00 PM** ***Analysis Type:*** **Dilution-01/TOT** ***Dilution:*** **20**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ETHANE	40	U	40	LOD	100	LOQ	ug/L	NP	ProfJudg
Ethylene	40	U	40	LOD	100	LOQ	ug/L	NP	ProfJudg

Sample ID: **CH-MW024-02** ***Collected:*** **6/26/2017 1:10:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
METHANE	3500	E	6.0	LOD	6.0	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: APP61 **Laboratory: LLL**

EDD Filename: APP61-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Reason Code Legend

Reason Code	*Description*
Cb	Calibration Blank Contamination
Fd	Field Duplicate Precision
Lcs	Laboratory Control Spike Upper Estimation
Ms	Matrix Spike Upper Estimation
ProfJudg	Professional Judgment
Rl	Reporting Limit Trace Value
StoE	Sampling to Extraction Estimation
StoE	Sampling to Extraction Rejection
Surr	Surrogate/Tracer Recovery Lower Estimation

* denotes a non-reportable result

QC Outlier Report: HoldingTimes

Lab Reporting Batch ID: APP61 **Laboratory: LLL**

EDD Filename: APP61-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D **Preparation Method: SW3510C**

Matrix: WATER

Sample ID	Type	Actual	Criteria	Units	Flag
CH-MW018-02DF-X (Reanalysis-01/	Sampling To Extraction	14.00	7.00	DAYS	J- (all detects)
CH-MW018-02D-X (Reanalysis-01/T		14.00	7.00	DAYS	UJ (all non-detects)
CH-MW018-02F-X (Reanalysis-01/D		14.00	7.00	DAYS	
CH-MW018-02-X (Reanalysis-01/TO		14.00	7.00	DAYS	
CH-MW024-02F-X (Reanalysis-01/D	Sampling To Extraction	15.00	7.00	DAYS	J-(all detects)
CH-MW024-02-X (Reanalysis-01/TO		15.00	7.00	DAYS	R(all non-detects)

Method: 8270D SIM **Preparation Method: SW3510C**

Matrix: WATER

Sample ID	Type	Actual	Criteria	Units	Flag
CH-MW022-02D-X (Reanalysis-01/T	Sampling To Extraction	29.00	7.00	DAYS	J-(all detects)
CH-MW022-02-X (Reanalysis-01/TO		29.00	7.00	DAYS	R(all non-detects)

Project Name and Number: Camp Hero - USACE

Surrogate Outlier Report

Lab Reporting Batch ID: APP61 **Laboratory: LLL**

EDD Filename: APP61-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D
Matrix: WATER

Sample ID (Analysis Type)	Surrogate	Sample % Recovery	% Recovery Limits	Affected Compounds	Flag
CH-MW018-02 (Initial/TOT)	2-FLUOROPHENOL PHENOL-D6	7 5	19.00-119.00 10.00-71.00	All Acid Target Analytes	J- (all detects) UJ (all non-detects)
CH-MW018-02D (Initial/TOT)	2-FLUOROPHENOL PHENOL-D6	8 5	19.00-119.00 10.00-71.00	All Acid Target Analytes	J-(all detects) UJ(all non-detects)
CH-MW018-02DF (Initial/DIS)	2,4,6-TRIBROMOPHENOL 2-FLUOROPHENOL PHENOL-D6	38 5 3	43.00-140.00 19.00-119.00 10.00-71.00	All Acid Target Analytes	J-(all detects) UJ(all non-detects)
CH-MW018-02DF-X (Reanalysis-01/ DIS)	2,4,6-TRIBROMOPHENOL 2-FLUOROPHENOL PHENOL-D6	37 6 4	43.00-140.00 19.00-119.00 10.00-71.00	All Acid Target Analytes	J-(all detects) UJ(all non-detects)
CH-MW018-02D-X (Reanalysis-01/ TOT)	2-FLUOROPHENOL	18	19.00-119.00	No Affected Compounds	
CH-MW018-02F (Initial/DIS)	2,4,6-TRIBROMOPHENOL 2-FLUOROPHENOL PHENOL-D6	41 6 3	43.00-140.00 19.00-119.00 10.00-71.00	All Acid Target Analytes	J-(all detects) UJ(all non-detects)
CH-MW018-02F-X (Reanalysis-01/ DIS)	2,4,6-TRIBROMOPHENOL 2-FLUOROPHENOL PHENOL-D6	41 9 8	43.00-140.00 19.00-119.00 10.00-71.00	All Acid Target Analytes	J-(all detects) UJ(all non-detects)
CH-MW024-02 (Initial/TOT)	2-FLUOROPHENOL PHENOL-D6	9 8	19.00-119.00 10.00-71.00	All Acid Target Analytes	J-(all detects) UJ(all non-detects)
CH-MW024-02F (Initial/DIS)	2-FLUOROPHENOL PHENOL-D6	9 8	19.00-119.00 10.00-71.00	All Acid Target Analytes	J-(all detects) UJ(all non-detects)
CH-MW024-02F-X (Reanalysis-01/ DIS)	2-FLUOROPHENOL	15	19.00-119.00	No Affected Compounds	
CH-MW024-02-X (Reanalysis-01/ TOT)	2-FLUOROPHENOL	13	19.00-119.00	No Affected Compounds	

Method: 8270D SIM
Matrix: WATER

Sample ID (Analysis Type)	Surrogate	Sample % Recovery	% Recovery Limits	Affected Compounds	Flag
CH-MW022-02 (Initial/TOT)	BENZO (A) PYRENE-D12	23	26.00-137.00	No Affected Compounds	
CH-MW022-02D (Initial/TOT)	BENZO (A) PYRENE-D12	23	26.00-137.00	No Affected Compounds	
CH-MW022-02D-X (Reanalysis-01/ TOT)	BENZO (A) PYRENE-D12	25	26.00-137.00	No Affected Compounds	

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP61 **Laboratory: LLL**

EDD Filename: APP61-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **9056A**
Matrix: **WATER**

QC Sample ID (Associated Samples)	*Compound*	*MS %R*	*MSD %R*	*%R Limits*	*RPD (Limits)*	*Affected Compounds*	*Flag*
CH-MW020-02MS (CH-MW020-02)	CHLORIDE	112	-	87.00-111.00	-	CHLORIDE	J+ (all detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: APP61 **Laboratory: LLL**

EDD Filename: APP61-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: WATER

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-MW022-02 (Total)	CH-MW022-02D (Total)			
ALUMINUM	2130	1810	16	30.00	
BARIUM	39.3	33.0	17	30.00	
BERYLLIUM	0.076	0.096	23	30.00	
CALCIUM	5030	5860	15	30.00	
CHROMIUM	3.2	2.9	10	30.00	
COBALT	2.1	1.9	10	30.00	
COPPER	2.1	2.1	0	30.00	No Qualifiers Applied
IRON	1940	1750	10	30.00	
LEAD	0.83	0.72	14	30.00	
MAGNESIUM	6310	6330	0	30.00	
MANGANESE	173	168	3	30.00	
POTASSIUM	2250	2240	0	30.00	
SODIUM	27400	27400	0	30.00	
NICKEL	3.2	2.2	37	30.00	J(all detects) UJ(all non-detects)
VANADIUM	4.3	3.1	32	30.00	
ZINC	10	4.9	68	30.00	

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-MW018-02 (Total)	CH-MW018-02D (Total)			
ALUMINUM	600	479	22	30.00	
ARSENIC	1.3	1.4	7	30.00	
BARIUM	9.9	8.0	21	30.00	
CALCIUM	5290	5810	9	30.00	
CHROMIUM	1.5	1.3	14	30.00	
COBALT	0.58	0.67	14	30.00	
IRON	15400	15800	3	30.00	No Qualifiers Applied
LEAD	0.50	0.46	8	30.00	
MAGNESIUM	6530	6860	5	30.00	
MANGANESE	1580	1650	4	30.00	
POTASSIUM	1270	1310	3	30.00	
SODIUM	17700	18200	3	30.00	
VANADIUM	1.9	1.8	5	30.00	

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-MW018-02F (Dissolved)	CH-MW018-02DF (Dissolved)			
ALUMINUM	134	98.6	30	30.00	
ARSENIC	1.1	0.81	30	30.00	
BARIUM	6.5	6.9	6	30.00	
CALCIUM	5550	5240	6	30.00	
COBALT	0.56	0.56	0	30.00	
IRON	14900	14900	0	30.00	No Qualifiers Applied
MAGNESIUM	6530	6510	0	30.00	
MANGANESE	1600	1570	2	30.00	
POTASSIUM	1260	1300	3	30.00	
SODIUM	17700	17800	1	30.00	
VANADIUM	1.4	1.7	19	30.00	
CHROMIUM	1.4	1.0	33	30.00	J(all detects) UJ(all non-detects)

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-MW022-02F (Dissolved)	CH-MW022-02DF (Dissolved)			

Project Name and Number: Camp Hero - USACE Project: USACE Project: USACE Project: Camp Hero

Field Duplicate RPD Report

Lab Reporting Batch ID: APP61 **Laboratory: LLL**

EDD Filename: APP61-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: WATER

BARIUM	22.5	21.8	3	30.00	No Qualifiers Applied
CALCIUM	4540	4630	2	30.00	
COBALT	0.87	0.87	0	30.00	
MAGNESIUM	5280	5320	1	30.00	
MANGANESE	119	110	8	30.00	
POTASSIUM	1540	1510	2	30.00	
SODIUM	24900	25400	2	30.00	
ALUMINUM	45.7	31.4	37	30.00	J(all detects) UJ(all non-detects)
COPPER	0.54	4.0 U	200	30.00	
IRON	51.9	200 U	200	30.00	
NICKEL	4.0 U	1.0	200	30.00	
VANADIUM	0.39	0.70	57	30.00	

Method: 8270D SIM
Matrix: WATER

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-MW018-02	CH-MW018-02D			
ACENAPHTHENE	0.063	0.075	17	30.00	No Qualifiers Applied
FLUORENE	0.033	0.032	3	30.00	
NAPHTHALENE	0.048	0.042	13	30.00	
PYRENE	0.018	0.015	18	30.00	
1-METHYLNAPHTHALENE	0.011	0.052 U	200	30.00	J(all detects) UJ(all non-detects)

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-MW018-02F	CH-MW018-02DF			
PYRENE	0.017	0.018	6	30.00	No Qualifiers Applied
ACENAPHTHENE	0.030	0.020	40	30.00	J(all detects) UJ(all non-detects)
NAPHTHALENE	0.063 U	0.033	200	30.00	

Method: 8270D
Matrix: WATER

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-MW018-02	CH-MW018-02D			
1-METHYLNAPHTHALENE	0.52 U	0.32	200	30.00	J(all detects) UJ(all non-detects)
2-METHYLNAPHTHALENE	0.52 U	0.40	200	30.00	
ACENAPHTHENE	0.52 U	0.11	200	30.00	
ACENAPHTHYLENE	0.52 U	0.24	200	30.00	
ANTHRACENE	0.52 U	0.12	200	30.00	
FLUORANTHENE	0.52 U	0.12	200	30.00	
FLUORENE	0.52 U	0.17	200	30.00	
NAPHTHALENE	0.52 U	1.1	200	30.00	
PHENANTHRENE	0.52 U	0.40	200	30.00	
PYRENE	0.52 U	0.21	200	30.00	

Field Duplicate RPD Report

Lab Reporting Batch ID: APP61 **Laboratory: LLL**

EDD Filename: APP61-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: SM 2340B
Matrix: WATER

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-MW022-02	CH-MW022-02D			
HARDNESS (AS CACO3)	38500	40700	6	30.00	No Qualifiers Applied

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-MW018-02	CH-MW018-02D			
HARDNESS (AS CACO3)	40100	42700	6	30.00	No Qualifiers Applied

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-MW018-02F	CH-MW018-02DF			
HARDNESS (AS CACO3)	40800	39900	2	30.00	No Qualifiers Applied

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-MW022-02F	CH-MW022-02DF			
HARDNESS (AS CACO3)	33100	33500	1	30.00	No Qualifiers Applied

Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP61 **Laboratory: LLL**

EDD Filename: APP61-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**
Matrix: **WATER**

QC Sample ID (Associated Samples)	*Compound*	*LCS %R*	*LCSD %R*	*%R Limits*	*RPD (Limits)*	*Affected Compounds*	*Flag*
P0WALCSQ200WAA026 P0WALCSY200WAA026 (CH-MW018-02 CH-MW018-02D CH-MW018-02DF CH-MW018-02F CH-MW022-02 CH-MW022-02D CH-MW022-02DF CH-MW022-02F CH-MW023-02 CH-MW023-02F CH-MW030-02)	ACENAPHTHENE	120	119	48.00-114.00	-	ACENAPHTHENE	J+ (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP61 **Laboratory: LLL**

EDD Filename: APP61-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 410.4

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-MW024-02	CHEMICAL OXYGEN DEMAND	J	35000	50000	LOQ	ug/L	J (all detects)

Method: 6020A

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-MW018-02	ARSENIC	J	1.3	4.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.5	4.0	LOQ	ug/L	
	COBALT	J	0.58	1.0	LOQ	ug/L	
	LEAD	J	0.50	2.0	LOQ	ug/L	
CH-MW018-02D	ARSENIC	J	1.4	4.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.3	4.0	LOQ	ug/L	
	COBALT	J	0.67	1.0	LOQ	ug/L	
	LEAD	J	0.46	2.0	LOQ	ug/L	
CH-MW018-02DF	ALUMINUM	J	98.6	200	LOQ	ug/L	J (all detects)
	ARSENIC	J	0.81	4.0	LOQ	ug/L	
	CHROMIUM	J	1.0	4.0	LOQ	ug/L	
	COBALT	J	0.56	1.0	LOQ	ug/L	
CH-MW018-02F	ALUMINUM	J	134	200	LOQ	ug/L	J (all detects)
	ARSENIC	J	1.1	4.0	LOQ	ug/L	
	CHROMIUM	J	1.4	4.0	LOQ	ug/L	
	COBALT	J	0.56	1.0	LOQ	ug/L	
CH-MW020-02	ALUMINUM	J	36.5	200	LOQ	ug/L	J (all detects)
	COBALT	J	0.40	1.0	LOQ	ug/L	
	IRON	J	45.1	200	LOQ	ug/L	
	LEAD	J	0.23	2.0	LOQ	ug/L	
	VANADIUM	J	0.48	1.0	LOQ	ug/L	
CH-MW020-02F	COBALT	J	0.44	1.0	LOQ	ug/L	J (all detects)
	COPPER	J	0.63	4.0	LOQ	ug/L	
	VANADIUM	J	0.46	1.0	LOQ	ug/L	
CH-MW022-02	BERYLLIUM	J	0.076	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	3.2	4.0	LOQ	ug/L	
	COPPER	J	2.1	4.0	LOQ	ug/L	
	LEAD	J	0.83	2.0	LOQ	ug/L	
	NICKEL	J	3.2	4.0	LOQ	ug/L	
	ZINC	J	10	30.0	LOQ	ug/L	
CH-MW022-02D	BERYLLIUM	J	0.096	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	2.9	4.0	LOQ	ug/L	
	COPPER	J	2.1	4.0	LOQ	ug/L	
	LEAD	J	0.72	2.0	LOQ	ug/L	
	NICKEL	J	2.2	4.0	LOQ	ug/L	
	ZINC	J	4.9	30.0	LOQ	ug/L	
CH-MW022-02DF	ALUMINUM	J	31.4	200	LOQ	ug/L	J (all detects)
	COBALT	J	0.87	1.0	LOQ	ug/L	
	NICKEL	J	1.0	4.0	LOQ	ug/L	
	VANADIUM	J	0.70	1.0	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: APP61 **Laboratory: LLL**

EDD Filename: APP61-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-MW022-02F	ALUMINUM	J	45.7	200	LOQ	ug/L	
	COBALT	J	0.87	1.0	LOQ	ug/L	
	COPPER	J	0.54	4.0	LOQ	ug/L	J (all detects)
	IRON	J	51.9	200	LOQ	ug/L	
	VANADIUM	J	0.39	1.0	LOQ	ug/L	
CH-MW023-02	ALUMINUM	J	113	200	LOQ	ug/L	
	COPPER	J	0.63	4.0	LOQ	ug/L	
	IRON	J	119	200	LOQ	ug/L	J (all detects)
	NICKEL	J	2.6	4.0	LOQ	ug/L	
	VANADIUM	J	0.68	1.0	LOQ	ug/L	
CH-MW023-02F	COPPER	J	0.94	4.0	LOQ	ug/L	
	NICKEL	J	2.8	4.0	LOQ	ug/L	J (all detects)
	VANADIUM	J	0.38	1.0	LOQ	ug/L	
CH-MW024-02	ALUMINUM	J	130	200	LOQ	ug/L	
	COBALT	J	0.42	1.0	LOQ	ug/L	J (all detects)
	VANADIUM	J	0.73	1.0	LOQ	ug/L	
CH-MW024-02F	COBALT	J	0.26	1.0	LOQ	ug/L	J (all detects)
	VANADIUM	J	0.79	1.0	LOQ	ug/L	
CH-MW030-02	ARSENIC	J	1.9	4.0	LOQ	ug/L	
	BERYLLIUM	J	0.12	1.0	LOQ	ug/L	J (all detects)
	NICKEL	J	3.0	4.0	LOQ	ug/L	
CH-MW030-02F	ALUMINUM	J	64.9	200	LOQ	ug/L	
	ARSENIC	J	1.3	4.0	LOQ	ug/L	
	CHROMIUM	J	1.0	4.0	LOQ	ug/L	J (all detects)
	COBALT	J	0.54	1.0	LOQ	ug/L	
	LEAD	J	0.13	2.0	LOQ	ug/L	

Method: 8260C

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-MW024-02	1,2,4-TRIMETHYLBENZENE	J	3	5	LOQ	ug/L	
	ISOPROPYLBENZENE	J	2	5	LOQ	ug/L	
	N-BUTYLBENZENE	J	1	5	LOQ	ug/L	J (all detects)
	N-PROPYLBENZENE	J	2	5	LOQ	ug/L	
	SEC-BUTYLBENZENE	J	2	5	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: APP61 **Laboratory: LLL**

EDD Filename: APP61-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-MW018-02D	1-METHYLNAPHTHALENE	J	0.32	0.52	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.40	0.52	LOQ	ug/L	
	ACENAPHTHENE	J	0.11	0.52	LOQ	ug/L	
	ACENAPHTHYLENE	J	0.24	0.52	LOQ	ug/L	
	ANTHRACENE	J	0.12	0.52	LOQ	ug/L	
	FLUORANTHENE	J	0.12	0.52	LOQ	ug/L	
	FLUORENE	J	0.17	0.52	LOQ	ug/L	
	PHENANTHRENE	J	0.40	0.52	LOQ	ug/L	
	PYRENE	J	0.21	0.52	LOQ	ug/L	
CH-MW024-02	ANTHRACENE	J	0.30	0.55	LOQ	ug/L	J (all detects)
	CARBAZOLE	J	0.89	1.1	LOQ	ug/L	
CH-MW024-02F-X	DIBENZOFURAN	J	0.96	1.0	LOQ	ug/L	J (all detects)
CH-MW024-02-X	ANTHRACENE	J	0.31	0.52	LOQ	ug/L	J (all detects)
	CARBAZOLE	J	0.80	1.0	LOQ	ug/L	
CH-MW030-02	1-METHYLNAPHTHALENE	J	0.10	0.50	LOQ	ug/L	J (all detects)
	ANTHRACENE	J	0.47	0.50	LOQ	ug/L	
	DIBENZOFURAN	J	0.96	1.0	LOQ	ug/L	
	FLUORANTHENE	J	0.48	0.50	LOQ	ug/L	
	NAPHTHALENE	J	0.48	0.50	LOQ	ug/L	
	PYRENE	J	0.34	0.50	LOQ	ug/L	
CH-MW030-02F	DI-N-BUTYL PHTHALATE	J	2.0	5.1	LOQ	ug/L	J (all detects)
	NAPHTHALENE	J	0.11	0.51	LOQ	ug/L	

Method: 8270D SIM

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-MW018-02	1-METHYLNAPHTHALENE	J	0.011	0.052	LOQ	ug/L	J (all detects)
	FLUORENE	J	0.033	0.052	LOQ	ug/L	
	NAPHTHALENE	J	0.048	0.063	LOQ	ug/L	
	PYRENE	J	0.018	0.052	LOQ	ug/L	
CH-MW018-02D	FLUORENE	J	0.032	0.052	LOQ	ug/L	J (all detects)
	NAPHTHALENE	J	0.042	0.063	LOQ	ug/L	
	PYRENE	J	0.015	0.052	LOQ	ug/L	
CH-MW018-02DF	ACENAPHTHENE	J	0.020	0.052	LOQ	ug/L	J (all detects)
	NAPHTHALENE	J	0.033	0.062	LOQ	ug/L	
	PYRENE	J	0.018	0.052	LOQ	ug/L	
CH-MW018-02F	ACENAPHTHENE	J	0.030	0.053	LOQ	ug/L	J (all detects)
	PYRENE	J	0.017	0.053	LOQ	ug/L	
CH-MW020-02F	1-METHYLNAPHTHALENE	J	0.043	0.051	LOQ	ug/L	J (all detects)
	2-METHYLNAPHTHALENE	J	0.023	0.051	LOQ	ug/L	
	NAPHTHALENE	J	0.037	0.061	LOQ	ug/L	
CH-MW024-02	ACENAPHTHYLENE	J	0.55	1.1	LOQ	ug/L	J (all detects)
	ANTHRACENE	J	0.37	1.1	LOQ	ug/L	
	FLUORANTHENE	J	0.018	0.055	LOQ	ug/L	
	PYRENE	J	0.032	0.055	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: APP61 **Laboratory: LLL**

EDD Filename: APP61-B_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D SIM

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-MW024-02F	ACENAPHTHYLENE	J	0.27	1.1	LOQ	ug/L	J (all detects)
	FLUORENE	J	0.69	1.1	LOQ	ug/L	
	PHENANTHRENE	J	0.058	0.065	LOQ	ug/L	
	PYRENE	J	0.019	0.054	LOQ	ug/L	
CH-MW030-02	BENZO(G,H,I)PERYLENE	J	0.043	0.050	LOQ	ug/L	J (all detects)
	BENZO(K)FLUORANTHENE	J	0.025	0.050	LOQ	ug/L	
	DIBENZO(A,H)ANTHRACENE	J	0.011	0.050	LOQ	ug/L	
	INDENO(1,2,3-CD)PYRENE	J	0.039	0.050	LOQ	ug/L	
CH-MW030-02F	ACENAPHTHENE	J	0.030	0.051	LOQ	ug/L	J (all detects)
	ANTHRACENE	J	0.015	0.051	LOQ	ug/L	
	FLUORENE	J	0.011	0.051	LOQ	ug/L	

Method: 9056A

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-MW020-02	NITRATE	J	480	500	LOQ	ug/L	J (all detects)
	SULFATE	J	4800	5000	LOQ	ug/L	

Method: SM 4500-S2D

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-MW024-02	SULFIDE	J	40	100	LOQ	ug/L	J (all detects)

Lab report reviewed: APP 61 Reviewed by: Steve Szocik 12/5/2017

Aqueous Calibration Data Review Summary for Method SW-846 6020A

The effects of changes in calibration due to the laboratory re-submittal were evaluated. The calibrations used to quantitate investigative samples and quality control samples resulted in changes to the reporting of the analytical results. The attached table B-1 presents the quality control parameters evaluated.

The laboratory quantitated with a two point calibration utilizing a zero point and a high concentration standard. The majority of the quality control samples analyzed did not change. There were a few changes in the instrument blank and calibration verification results but overall the changes were minor and would result in qualification but do not affect the usability of the results.

Three different concentrations of analytical standards and the laboratory control sample (LCS) were evaluated. The initial calibration verification (ICV), continuing calibration verification (CCV), the low level check standard (LLC) and LCS are analyzed at varying concentrations along the calibrated instrument range. The ICVs, CCVs, and LLC do not go through the digestion process and serve as instrument verification without any contribution from the preparation procedure. The analysis of the LCS evaluates the variability of both the analytical and preparation processes.

The ICVs and CCVs serve to measure the accuracy in the middle and the lower end of the calibrated range. The laboratory selected the ICV to be one half the concentrations of the high calibration standard and the CCV at one quarter of the upper calibration standard. Except for one 89% CCV recovery for antimony and one 118% recovery for calcium (limits of 90-110%) the ICV and CCV percent recoveries (%Rs) were acceptable indicating accuracy at those concentrations.

The LLC is used to verify the accuracy at the limit of quantitation (LOQ) which is the lowest concentration where precision and accuracy is known. The LLC was analyzed at the LOQ for water samples. The laboratory used limits of 80-120%R for the LLC. Except for aluminum (132%), barium (125%), and calcium (126%), the observed LLC recoveries were acceptable. The high LLC recoveries do not affect analytes not detected. In addition, because the LCS recoveries were acceptable the LCS can take the place of the LLC. Based on that, detected concentrations less the LCS spike concentration may be affected with a potential high bias and would be qualified as usable but estimated.

Except for aluminum, the instrument and preparation blanks were less than the LOQ. A single aluminum detection was observed in one instrument blank indicating an isolated incident. Only sample results associated to that blank were affected and would be used to qualify any reported results less than ten times the observed blank concentration.

The observed detections in the interferent check (ICSA) for the un-spiked analytes were also less than the LOQ except for cobalt which was slightly greater than the LOQ (1.09 ug/L detected with a LOQ of 1.0 ug/L), indicating the calibration was not significantly affected by interferences. Both detected and non-detect results may be affected with a potential high bias and would be qualified as usable but estimated.

Table B-1: APP61 Calibration Findings Summary

Analyte	LOQ (ug/L)	LLC (ug/L)	LLC %R	ICSA Detection (ug/L)	Highest Blank value of ICB, CCB (ug/L)	LCS (ug/L)	LCS %R	ICV/CCV Spike mg/kg	ICV/CCV %R Range	Assigned Qualifier
Aluminum	200	200	131.7*	spiked	222	2000	102	5000/2500	99-109	200 U for 2 samples with detects below LOQ associated with CCB
Antimony	2	2	95.5	1.93	<0.45	6	87	50/25	89*-107	none
Arsenic	4	4	90.3	0.4	< 0.72	10	102	500/250	97-101	none
Barium	4	4	124.5*	1.53	< 0.72	50	89	500/250	90-100	none
Beryllium	1	1	94	0.014	< 0.071	4	97	50/25	97-101	none
Cadmium	1	1	107	0.079	<0.16	5	99	50/25	98-104	none
Calcium	400	400	125.6*	NA	<94.3	4000	96	5000/2500	91-118*	none
Chromium	4	4	110.3	2.16	< 0.87	50	104	500/250	100-104	none
Cobalt	1	1	106	1.09	0.22	250	99	500/250	99-102	none
Copper	4	4	100.3	1.24	< 0.54	50	101	500/250	101-106	none
Iron	200	200	111.3	NA	<37.4	1000	106	5000/2500	100-104	none
Lead	2	2	101	0.21	< 0.12	15	104	50/25	103-105	none
Magnesium	200	200	97.3	NA	8.3	2000	106	5000/2500	102-104	none
Manganese	4	4	119.5	2.92	0.91	50	100	500/250	94-101	none
Nickel	4	4	89.3	1.02	< 1.0	50	106	500/250	100-106	none
Potassium	400	400	111.8	NA	<52.5	10000	102	5000/2500	95-105	none
Selenium	4	4	106.5	0.025	< 0.5	10	105	50/25	101-104	none
Silver	1	1	116	0.49	< 0.15	50	101	50/25	99-104	none
Sodium	400	400	99.8	NA	<50.0	10000	103	5000/2500	101-106	none
Thallium	1	1	110	0.196	< 0.15	2	99	50/25	103-107	none
Vanadium	1	1	118	0.021	< 0.22	50	101	500/250	97-103	none
Zinc	30	30	99.6	1.8	5.8	500	98	500/250	100-106	none

Notes
* = result was outside of control limits
Samples were run on multiple days. The table represents outliers - some samples were not affected.

Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page	1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.		
Laboratory SDG:	APP62		
Date(s) of Collection:	June 27th, 2017		
Number/Type Samples & Analyses:	9 ground water samples plus 3 MS/MSD and 2 trip blank for a project-specific list of VOCs, SVOCs, PAHs, hexavalent chromium, metals and MNA parameters		
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA		
Completed:	November 21, 2017		

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for ground water data included in Sample Delivery Group (SDG) APP62. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR. Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✓ Holding times and sample preservation

✓ Laboratory method blank data

NA Field rinsate blank data

✓ Trip blank data

✗ Laboratory control sample (LCS) recoveries

✗ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✓ Surrogate recoveries

✗ Laboratory duplicate results

✓ Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of "J" data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

All the ground water samples were run for 8270 SIM and regular 8270. The final results will be presented in SVOC SIM except for CH-MW016-02 and CH-MW016-02F.

Sample CH-MW016-02 had low surrogate recovery in method 8270D. The sample was re-extracted outside the method required holding time and the QC was acceptable. Similar results were obtained in the both analyses. The initial results will be presented as the final results.

Analytes were over calibration in method 8270D for sample CH-MW019-02 (caprolactam). The sample was diluted and re-analyzed. All results will be presented in the undiluted sample except the analytes over calibration.

Several analytes were over calibration in method 8270D SIM for sample CH-MW016-02F (1-methylnaphthalene, 2-methylnaphthalene, and naphthalene). The sample was diluted and re-analyzed. All results will be presented in method 8270D SIM except for the three analytes.

Several analytes were over calibration in method 8270D SIM for samples CH-MW016-02 (1-methylnaphthalene, 2-methylnaphthalene, and naphthalene) as well surrogate recoveries outside QC limits. The sample was re-extracted outside method required holding time however the QC was acceptable. The sample was diluted and all three analytes were within calibration. All results will be presented in method 8270D SIM except for the three analytes.

This data package was revised 11/9/2017 due to the Eurofins SW6020A metals data breach. The majority of the data changes were made to Quality Control (QC) and/or calibration checks, not to actual sample results. The few field sample result changes were due to the originally reported result exceeding the linear calibration range of the instrument; those results were changed to be slightly lower than the upper limit of the calibration range.

In this package, the altered result for manganese for sample CH-MW016-02F was significantly above the calibration linear range, thus the lab reanalyzed a preserved and within hold time sample, lab duplicate and MS/MSD. The continuing calibration verification (CCV) percent recovery for calcium was slightly above QC specification, and the CCV percent recovery for antimony was slightly below the QC specification. The percent recovery for aluminum and calcium in the low level check (LLC) standard was not within QC specification. The LCS results for aluminum and calcium which are 2 to 5 times the LLC were within QC limits. The result in the continuing calibration blank for aluminum changed from 22 ug/l to 220 ug/l which affected two samples, CH-MW043-02F and

CH-MW19-02F; the adjusted aluminum result for CH-MW043-02F is 200 U and for CH-MW19-02F is 248 U . The QC specification is less than the absolute value of 53 ug/l.

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP62 **Laboratory: LLL**

EDD Filename: APP62-D_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Validation Area	*Note*
Technical Holding Times	SR
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	A
Surrogate/Tracer Spikes	SR
Matrix Spike/Matrix Spike Duplicates	SR
Laboratory Duplicates	SR
Laboratory Replicates	N
Laboratory Control Samples	SR
Compound Quantitation	SR
Field Duplicates	N
Field Triplicates	N
Field Blanks	A

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP62 **Laboratory: LLL**

EDD Filename: APP62-D_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: GENCHEM

Method: 410.4 **Matrix: WATER**

Sample ID: CH-MW043-02 **Collected:** 6/27/2017 2:15:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHEMICAL OXYGEN DEMAND	18700	J	50000	LOD	50000	LOQ	ug/L	J	Rl

Method Category: GENCHEM

Method: 9056A **Matrix: WATER**

Sample ID: CH-MW016-02 **Collected:** 6/27/2017 1:50:00 PM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SULFATE	4000	J	5000	LOD	5000	LOQ	ug/L	J	Rl

Sample ID: CH-MW043-02 **Collected:** 6/27/2017 2:15:00 PM **Analysis Type:** Initial/TOT **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NITRATE	380	J	500	LOD	500	LOQ	ug/L	J	Rl, Ld
NITRITE	500	U	500	LOD	500	LOQ	ug/L	UJ	Ms, Ms

Method Category: GENCHEM

Method: SM 4500-S2D **Matrix: WATER**

Sample ID: CH-MW043-02 **Collected:** 6/27/2017 2:15:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SULFIDE	100	U	100	LOD	100	LOQ	ug/L	UJ	Ms

Method Category: METALS

Method: 6020A **Matrix: WATER**

Sample ID: CH-MW016-02 **Collected:** 6/27/2017 1:50:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	Ld
COPPER	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	Ld

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP62 **Laboratory: LLL**

EDD Filename: APP62-D_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** WATER

Sample ID: CH-MW016-02 **Collected:** 6/27/2017 1:50:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
IRON	36300		100	LOD	200	LOQ	ug/L	J	Ms, Ms
MAGNESIUM	34300		25.0	LOD	200	LOQ	ug/L	J-	Ms
NICKEL	3.8	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl
VANADIUM	0.90	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl
ZINC	7.5	U	7.5	LOD	30.0	LOQ	ug/L	UJ	Ld

Sample ID: CH-MW016-02 **Collected:** 6/27/2017 1:50:00 PM **Analysis Type:** Reanalysis-02/TOT **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MANGANESE	6870		10.0	LOD	20.0	LOQ	ug/L	J+	Ms

Sample ID: CH-MW016-02F **Collected:** 6/27/2017 1:50:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	15.6		2.0	LOD	4.0	LOQ	ug/L	J-	Ms
BARIUM	114		2.0	LOD	4.0	LOQ	ug/L	J+	Ms
CALCIUM	45400		200	LOD	400	LOQ	ug/L	J	Ms, Ms
IRON	35200		100	LOD	200	LOQ	ug/L	J-	Ms
MAGNESIUM	34600		25.0	LOD	200	LOQ	ug/L	J	Ms, Ms
SODIUM	33000		100	LOD	400	LOQ	ug/L	J-	Ms
VANADIUM	1.1		0.50	LOD	1.0	LOQ	ug/L	J	Ld

Sample ID: CH-MW016-02F-X **Collected:** 6/27/2017 1:50:00 PM **Analysis Type:** Reanalysis-01/DIS **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MANGANESE	6950		10.0	LOD	20.0	LOQ	ug/L	J+	Ms

Sample ID: CH-MW019-02 **Collected:** 6/28/2017 9:05:00 AM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	1.3	J	1.0	LOD	2.0	LOQ	ug/L	J	Rl
SELENIUM	0.56	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl
THALLIUM	0.60	J	0.25	LOD	1.0	LOQ	ug/L	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP62 **Laboratory: LLL**

EDD Filename: APP62-D_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-MW019-02F** ***Collected:*** **6/28/2017 9:05:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	248		50.0	LOD	200	LOQ	ug/L	U	Cb
ANTIMONY	1.6	J	1.0	LOD	2.0	LOQ	ug/L	J	RI
CHROMIUM	0.90	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
COBALT	0.71	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
COPPER	2.4	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
LEAD	0.23	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	1.8	J	2.0	LOD	4.0	LOQ	ug/L	J	RI

Sample ID: **CH-MW043-02** ***Collected:*** **6/27/2017 2:15:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.5	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
CHROMIUM	1.3	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
COPPER	2.6	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
LEAD	0.45	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	3.2	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
VANADIUM	0.92	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
ZINC	6.1	J	7.5	LOD	30.0	LOQ	ug/L	J	RI

Sample ID: **CH-MW043-02F** ***Collected:*** **6/27/2017 2:15:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	105	J	50.0	LOD	200	LOQ	ug/L	U	Cb
CHROMIUM	1.2	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
COPPER	3.0	J	1.0	LOD	4.0	LOQ	ug/L	J	RI
LEAD	0.22	J	0.25	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	2.9	J	2.0	LOD	4.0	LOQ	ug/L	J	RI
VANADIUM	0.41	J	0.50	LOD	1.0	LOQ	ug/L	J	RI
ZINC	6.5	J	7.5	LOD	30.0	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP62 **Laboratory: LLL**

EDD Filename: APP62-D_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 7470A **Matrix: WATER**

Sample ID: CH-MW016-02 **Collected:** 6/27/2017 1:50:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.10	U	0.10	LOD	0.20	LOQ	ug/L	UJ	Ms

Sample ID: CH-MW016-02F **Collected:** 6/27/2017 1:50:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.10	U	0.10	LOD	0.20	LOQ	ug/L	UJ	Ms

Method Category: SVOA

Method: 8270D **Matrix: WATER**

Sample ID: CH-MW016-02 **Collected:** 6/27/2017 1:50:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACENAPHTHENE	2.9		0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORENE	3.7		0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	1.6		0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP62 **Laboratory: LLL**

EDD Filename: APP62-D_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW016-02F **Collected:** 6/27/2017 1:50:00 PM **Analysis Type:** Initial/DIS-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	0.52	J	1.0	LOD	1.0	LOQ	ug/L	J	RI

Sample ID: CH-MW016-02F **Collected:** 6/27/2017 1:50:00 PM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	62		0.20	LOD	0.51	LOQ	ug/L	J-	Ms
2-METHYLNAPHTHALENE	64		0.20	LOD	0.51	LOQ	ug/L	J-	Ms
ACENAPHTHENE	2.4		0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CAPROLACTAM	15	U	15	LOD	15	LOQ	ug/L	UJ	Ms
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	2.9		0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	91		0.40	LOD	0.51	LOQ	ug/L	J-	Ms
PHENANTHRENE	1.0		0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW016-02-X **Collected:** 6/27/2017 1:50:00 PM **Analysis Type:** Reanalysis-01/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	1.0		1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
2-Methylphenol (o-Cresol)	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
4-Chloroaniline [p-Chloroaniline]	4.1	U	4.1	LOD	4.1	LOQ	ug/L	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP62 **Laboratory: LLL**

EDD Filename: APP62-D_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **SVOA**

Method: **8270D** ***Matrix:*** **WATER**

Sample ID: **CH-MW016-02-X** ***Collected:*** **6/27/2017 1:50:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT-ACID** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
3/4-Methylphenol [m/p-Cresol]	0.57	J	1.0	LOD	1.0	LOQ	ug/L	NP	RI, StoE, ProfJudg
4-CHLORO-3-METHYLPHENOL	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
BENZOIC ACID	15	U	15	LOD	15	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: **CH-MW016-02-X** ***Collected:*** **6/27/2017 1:50:00 PM** ***Analysis Type:*** **Reanalysis-01/TOT-BASE/NEUTRAL** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
1,4-DICHLOROBENZENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
1-METHYLNAPHTHALENE	67		0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
2-CHLORONAPHTHALENE	1.0	U	1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
2-METHYLNAPHTHALENE	62		0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHENE	2.8		0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
ANTHRACENE	0.14	J	0.20	LOD	0.51	LOQ	ug/L	NP	RI, StoE, ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BENZALDEHYDE	4.1	U	4.1	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	4.1	U	4.1	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
Butyl benzyl phthalate	4.1	U	4.1	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
CAPROLACTAM	15	U	15	LOD	15	LOQ	ug/L	NP	StoE, ProfJudg
CARBAZOLE	3.4		1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZOFURAN	3.5		1.0	LOD	1.0	LOQ	ug/L	NP	StoE, ProfJudg
DIETHYL PHTHALATE	4.1	U	4.1	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
DIMETHYL PHTHALATE	4.1	U	4.1	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-BUTYL PHTHALATE	4.1	U	4.1	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg
DI-N-OCTYL PHTHALATE	4.1	U	4.1	LOD	5.1	LOQ	ug/L	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP62 **Laboratory: LLL**

EDD Filename: APP62-D_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW016-02-X **Collected:** 6/27/2017 1:50:00 PM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
FLUORANTHENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
FLUORENE	3.4		0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
NAPHTHALENE	94		0.41	LOD	0.51	LOQ	ug/L	NP	Ms, StoE, ProfJudg
PHENANTHRENE	1.4		0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg
PYRENE	0.20	U	0.20	LOD	0.51	LOQ	ug/L	NP	StoE, ProfJudg

Sample ID: CH-MW019-02 **Collected:** 6/28/2017 9:05:00 AM **Analysis Type:** Dilution-01/TOT **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1-BIPHENYL	5.2	U	5.2	LOD	5.2	LOQ	ug/L	NP	ProfJudg
2-Methylphenol (o-Cresol)	5.2	U	5.2	LOD	5.2	LOQ	ug/L	NP	ProfJudg
4-Chloroaniline [p-Chloroaniline]	21	U	21	LOD	21	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW019-02 **Collected:** 6/28/2017 9:05:00 AM **Analysis Type:** Dilution-01/TOT-ACID **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3/4-Methylphenol [m/p-Cresol]	5.2	U	5.2	LOD	5.2	LOQ	ug/L	NP	ProfJudg
4-CHLORO-3-METHYLPHENOL	5.2	U	5.2	LOD	5.2	LOQ	ug/L	NP	ProfJudg
BENZOIC ACID	78	U	78	LOD	78	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW019-02 **Collected:** 6/28/2017 9:05:00 AM **Analysis Type:** Dilution-01/TOT-BASE/NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,4-DICHLOROBENZENE	5.2	U	5.2	LOD	5.2	LOQ	ug/L	NP	ProfJudg
1-METHYLNAPHTHALENE	1.0	U	1.0	LOD	2.6	LOQ	ug/L	NP	ProfJudg
2-CHLORONAPHTHALENE	5.2	U	5.2	LOD	5.2	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	1.0	U	1.0	LOD	2.6	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	1.0	U	1.0	LOD	2.6	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	1.0	U	1.0	LOD	2.6	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	1.0	U	1.0	LOD	2.6	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	1.0	U	1.0	LOD	2.6	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP62 **Laboratory: LLL**

EDD Filename: APP62-D_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW019-02 **Collected:** 6/28/2017 9:05:00 AM **Analysis Type:** Dilution-01/TOT-BASE/NEUTRAL **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZALDEHYDE	21	U	21	LOD	26	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	1.0	U	1.0	LOD	2.6	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	1.0	U	1.0	LOD	2.6	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	1.0	U	1.0	LOD	2.6	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	1.0	U	1.0	LOD	2.6	LOQ	ug/L	NP	ProfJudg
BIS(2-ETHYLHEXYL) PHTHALATE	21	U	21	LOD	26	LOQ	ug/L	NP	ProfJudg
Butyl benzyl phthalate	21	U	21	LOD	26	LOQ	ug/L	NP	ProfJudg
CARBAZOLE	5.2	U	5.2	LOD	5.2	LOQ	ug/L	NP	ProfJudg
CHRYSENE	1.0	U	1.0	LOD	2.6	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	1.0	U	1.0	LOD	2.6	LOQ	ug/L	NP	ProfJudg
DIBENZOFURAN	5.2	U	5.2	LOD	5.2	LOQ	ug/L	NP	ProfJudg
DIETHYL PHTHALATE	21	U	21	LOD	26	LOQ	ug/L	NP	ProfJudg
DIMETHYL PHTHALATE	21	U	21	LOD	26	LOQ	ug/L	NP	ProfJudg
DI-N-BUTYL PHTHALATE	21	U	21	LOD	26	LOQ	ug/L	NP	ProfJudg
DI-N-OCTYL PHTHALATE	21	U	21	LOD	26	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	1.0	U	1.0	LOD	2.6	LOQ	ug/L	NP	ProfJudg
FLUORENE	1.0	U	1.0	LOD	2.6	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	1.0	U	1.0	LOD	2.6	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	2.1	U	2.1	LOD	2.6	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	1.0	U	1.0	LOD	2.6	LOQ	ug/L	NP	ProfJudg
PYRENE	1.0	U	1.0	LOD	2.6	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW019-02 **Collected:** 6/28/2017 9:05:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP62 **Laboratory: LLL**

EDD Filename: APP62-D_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW019-02 **Collected:** 6/28/2017 9:05:00 AM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
CAPROLACTAM	340	E	16	LOD	16	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.52	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW019-02F **Collected:** 6/28/2017 9:05:00 AM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.16	J	0.40	LOD	0.50	LOQ	ug/L	NP	RI, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP62 **Laboratory: LLL**

EDD Filename: APP62-D_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix:** WATER

Sample ID: CH-MW019-02F **Collected:** 6/28/2017 9:05:00 AM **Analysis Type:** Initial/DIS-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
PHENANTHRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg
PYRENE	0.20	U	0.20	LOD	0.50	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW043-02 **Collected:** 6/27/2017 2:15:00 PM **Analysis Type:** Initial/TOT-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
ANTHRACENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.41	U	0.41	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.51	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW043-02F **Collected:** 6/27/2017 2:15:00 PM **Analysis Type:** Initial/DIS-BASE/ NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
2-METHYLNAPHTHALENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ACENAPHTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP62 **Laboratory: LLL**

EDD Filename: APP62-D_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D **Matrix: WATER**

Sample ID: CH-MW043-02F **Collected:** 6/27/2017 2:15:00 PM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
Benzo (g,h,i) perylene	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
CHRYSENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
FLUORENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
INDENO(1,2,3-CD)PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	0.42	U	0.42	LOD	0.52	LOQ	ug/L	NP	ProfJudg
PHENANTHRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg
PYRENE	0.21	U	0.21	LOD	0.52	LOQ	ug/L	NP	ProfJudg

Method Category: SVOA

Method: 8270D SIM **Matrix: WATER**

Sample ID: CH-MW016-02 **Collected:** 6/27/2017 1:50:00 PM **Analysis Type:** Dilution-01/TOT-BASE/NEUTRAL **Dilution:** 20

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	84		0.81	LOD	1.0	LOQ	ug/L	NP	Ms, ProfJudg
2-METHYLNAPHTHALENE	88		0.81	LOD	1.0	LOQ	ug/L	NP	Ms, Lcs, ProfJudg
ACENAPHTHENE	3.2		0.81	LOD	1.0	LOQ	ug/L	NP	Ms, ProfJudg
ACENAPHTHYLENE	0.46	J	0.81	LOD	1.0	LOQ	ug/L	NP	RI, Ms, ProfJudg
ANTHRACENE	0.81	U	0.81	LOD	1.0	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	0.81	U	0.81	LOD	1.0	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	0.81	U	0.81	LOD	1.0	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	0.81	U	0.81	LOD	1.0	LOQ	ug/L	NP	ProfJudg
BENZO(G,H,I)PERYLENE	0.81	U	0.81	LOD	1.0	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	0.81	U	0.81	LOD	1.0	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP62 **Laboratory: LLL**

EDD Filename: APP62-D_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-MW016-02 **Collected:** 6/27/2017 1:50:00 PM **Analysis Type:** Dilution-01/TOT-BASE/NEUTRAL **Dilution:** 20

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHRYSENE	0.81	U	0.81	LOD	1.0	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	0.81	U	0.81	LOD	1.0	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	0.81	U	0.81	LOD	1.0	LOQ	ug/L	NP	ProfJudg
FLUORENE	3.3		0.81	LOD	1.0	LOQ	ug/L	NP	Ms, Ms, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.81	U	0.81	LOD	1.0	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	120		1.2	LOD	1.2	LOQ	ug/L	NP	Ms, ProfJudg
PHENANTHRENE	1.7		1.2	LOD	1.2	LOQ	ug/L	NP	Ms, ProfJudg
PYRENE	0.81	U	0.81	LOD	1.0	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW016-02 **Collected:** 6/27/2017 1:50:00 PM **Analysis Type:** Initial/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	67	E	0.040	LOD	0.050	LOQ	ug/L	NP	Ms, ProfJudg
2-METHYLNAPHTHALENE	71	E	0.040	LOD	0.050	LOQ	ug/L	NP	Ms, Lcs, ProfJudg
ACENAPHTHENE	1.5		0.040	LOD	0.050	LOQ	ug/L	J-	Ms
ACENAPHTHYLENE	0.22		0.040	LOD	0.050	LOQ	ug/L	J-	Ms
FLUORENE	1.6		0.040	LOD	0.050	LOQ	ug/L	J	Ms, Ms
NAPHTHALENE	40	E	0.060	LOD	0.060	LOQ	ug/L	NP	Ms, ProfJudg
PHENANTHRENE	1.6		0.060	LOD	0.060	LOQ	ug/L	J+	Ms
PYRENE	0.013	J	0.040	LOD	0.050	LOQ	ug/L	J	RI

Sample ID: CH-MW016-02F **Collected:** 6/27/2017 1:50:00 PM **Analysis Type:** Dilution-01/DIS-BASE/NEUTRAL **Dilution:** 50

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	89		2.0	LOD	2.5	LOQ	ug/L	NP	Ms, ProfJudg
2-METHYLNAPHTHALENE	99		2.0	LOD	2.5	LOQ	ug/L	NP	Ms, ProfJudg
ACENAPHTHENE	4.6		2.0	LOD	2.5	LOQ	ug/L	NP	ProfJudg
ACENAPHTHYLENE	0.71	J	2.0	LOD	2.5	LOQ	ug/L	NP	RI, ProfJudg
ANTHRACENE	2.0	U	2.0	LOD	2.5	LOQ	ug/L	NP	ProfJudg
BENZ(A)ANTHRACENE	2.0	U	2.0	LOD	2.5	LOQ	ug/L	NP	ProfJudg
BENZO(A)PYRENE	2.0	U	2.0	LOD	2.5	LOQ	ug/L	NP	ProfJudg
BENZO(B)FLUORANTHENE	2.0	U	2.0	LOD	2.5	LOQ	ug/L	NP	ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP62 **Laboratory: LLL**

EDD Filename: APP62-D_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix:** WATER

Sample ID: CH-MW016-02F **Collected:** 6/27/2017 1:50:00 PM **Analysis Type:** Dilution-01/DIS-BASE/NEUTRAL **Dilution:** 50

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(G,H,I)PERYLENE	2.0	U	2.0	LOD	2.5	LOQ	ug/L	NP	ProfJudg
BENZO(K)FLUORANTHENE	2.0	U	2.0	LOD	2.5	LOQ	ug/L	NP	ProfJudg
CHRYSENE	2.0	U	2.0	LOD	2.5	LOQ	ug/L	NP	ProfJudg
DIBENZO(A,H)ANTHRACENE	2.0	U	2.0	LOD	2.5	LOQ	ug/L	NP	ProfJudg
FLUORANTHENE	2.0	U	2.0	LOD	2.5	LOQ	ug/L	NP	ProfJudg
FLUORENE	4.1		2.0	LOD	2.5	LOQ	ug/L	NP	Ms, ProfJudg
INDENO(1,2,3-CD)PYRENE	2.0	U	2.0	LOD	2.5	LOQ	ug/L	NP	ProfJudg
NAPHTHALENE	130		3.0	LOD	3.0	LOQ	ug/L	NP	Ms, ProfJudg
PHENANTHRENE	3.0	U	3.0	LOD	3.0	LOQ	ug/L	NP	Ms, ProfJudg
PYRENE	2.0	U	2.0	LOD	2.5	LOQ	ug/L	NP	ProfJudg

Sample ID: CH-MW016-02F **Collected:** 6/27/2017 1:50:00 PM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	76	E	0.040	LOD	0.051	LOQ	ug/L	NP	Ms, ProfJudg
2-METHYLNAPHTHALENE	84	E	0.040	LOD	0.051	LOQ	ug/L	NP	Ms, ProfJudg
FLUORENE	1.7		0.040	LOD	0.051	LOQ	ug/L	J-	Ms
NAPHTHALENE	78	E	0.061	LOD	0.061	LOQ	ug/L	NP	Ms, ProfJudg
PHENANTHRENE	0.84		0.061	LOD	0.061	LOQ	ug/L	J	Ms, Ms
PYRENE	0.020	J	0.040	LOD	0.051	LOQ	ug/L	J	RI

Sample ID: CH-MW016-02-X **Collected:** 6/27/2017 1:50:00 PM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	42	E	0.040	LOD	0.050	LOQ	ug/L	NP	Ms, Ms, StoE, ProfJudg
2-METHYLNAPHTHALENE	25	E	0.040	LOD	0.050	LOQ	ug/L	NP	Ms, StoE, ProfJudg
ACENAPHTHENE	1.6		0.040	LOD	0.050	LOQ	ug/L	NP	Ms, StoE, ProfJudg
ACENAPHTHYLENE	0.17		0.040	LOD	0.050	LOQ	ug/L	NP	Ms, StoE, ProfJudg
ANTHRACENE	0.090		0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
BENZ(A)ANTHRACENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(A)PYRENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP62 **Laboratory: LLL**

EDD Filename: APP62-D_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: SVOA

Method: 8270D SIM **Matrix: WATER**

Sample ID: CH-MW016-02-X **Collected:** 6/27/2017 1:50:00 PM **Analysis Type:** Reanalysis-01/TOT-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BENZO(B)FLUORANTHENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(G,H,I)PERYLENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
BENZO(K)FLUORANTHENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
CHRYSENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
DIBENZO(A,H)ANTHRACENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
FLUORANTHENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
FLUORENE	1.5		0.040	LOD	0.050	LOQ	ug/L	NP	Ms, Ms, StoE, ProfJudg
INDENO(1,2,3-CD)PYRENE	0.040	U	0.040	LOD	0.050	LOQ	ug/L	NP	StoE, ProfJudg
NAPHTHALENE	53	E	0.060	LOD	0.060	LOQ	ug/L	NP	Ms, StoE, ProfJudg
PHENANTHRENE	0.34		0.060	LOD	0.060	LOQ	ug/L	NP	StoE, ProfJudg
PYRENE	0.013	J	0.040	LOD	0.050	LOQ	ug/L	NP	RI, StoE, ProfJudg

Sample ID: CH-MW019-02F **Collected:** 6/28/2017 9:05:00 AM **Analysis Type:** Initial/DIS-BASE/NEUTRAL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1-METHYLNAPHTHALENE	0.015	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
2-METHYLNAPHTHALENE	0.021	J	0.040	LOD	0.050	LOQ	ug/L	J	RI
NAPHTHALENE	0.049	J	0.060	LOD	0.060	LOQ	ug/L	J	RI

Method Category: VOA

Method: 8260C **Matrix: WATER**

Sample ID: CH-MW016-02 **Collected:** 6/27/2017 1:50:00 PM **Analysis Type:** Initial/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHLOROETHANE	0.7	J	1	LOD	1	LOQ	ug/L	J	RI
N-BUTYLBENZENE	4	J	2	LOD	5	LOQ	ug/L	J	RI
SEC-BUTYLBENZENE	4	J	2	LOD	5	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP62 **Laboratory: LLL**

EDD Filename: APP62-D_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **VOA**

Method: **RSK-175** ***Matrix:*** **WATER**

Sample ID: **CH-MW016-02** ***Collected:*** **6/27/2017 1:50:00 PM** ***Analysis Type:*** **Dilution-01/TOT** ***Dilution:*** **100**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ETHANE	200	U	200	LOD	500	LOQ	ug/L	NP	ProfJudg
Ethylene	200	U	200	LOD	500	LOQ	ug/L	NP	ProfJudg
METHANE	17000		600	LOD	600	LOQ	ug/L	J+	Ms

Sample ID: **CH-MW016-02** ***Collected:*** **6/27/2017 1:50:00 PM** ***Analysis Type:*** **Initial/TOT** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
METHANE	12000	E	6.0	LOD	6.0	LOQ	ug/L	NP	Ms, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP62 **Laboratory: LLL**

EDD Filename: APP62-D_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Reason Code Legend

Reason Code	*Description*
Cb	Calibration Blank Contamination
Lcs	Laboratory Control Spike Upper Estimation
Ld	Laboratory Duplicate Precision
Ms	Matrix Spike Lower Estimation
Ms	Matrix Spike Precision
Ms	Matrix Spike Upper Estimation
ProfJudg	Professional Judgment
RI	Reporting Limit Trace Value
StoE	Sampling to Extraction Estimation
StoE	Sampling to Extraction Rejection
Surr	Surrogate/Tracer Recovery Lower Estimation
Surr	Surrogate/Tracer Recovery Upper Estimation

* denotes a non-reportable result

QC Outlier Report: HoldingTimes

Lab Reporting Batch ID: APP62 **Laboratory: LLL**

EDD Filename: APP62-D_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D **Preparation Method: SW3510C**

Matrix: WATER

Sample ID	Type	Actual	Criteria	Units	Flag
CH-MW016-02-X (Reanalysis-01/TO	Sampling To Extraction	14.00	7.00	DAYS	J- (all detects)
CH-MW016-02-XMS (Reanalysis-01/		14.00	7.00	DAYS	UJ (all non-detects)
CH-MW016-02-XMSD (Reanalysis-0		14.00	7.00	DAYS	

Method: 8270D SIM **Preparation Method: SW3510C**

Matrix: WATER

Sample ID	Type	Actual	Criteria	Units	Flag
CH-MW016-02-X (Reanalysis-01/TO	Sampling To Extraction	34.00	7.00	DAYS	J-(all detects)
CH-MW016-02-XMS (Reanalysis-01/		34.00	7.00	DAYS	R(all non-detects)
CH-MW016-02-XMSD (Reanalysis-0		34.00	7.00	DAYS	

Method: 9056A **Preparation Method: SW3510C**

Matrix: WATER

Sample ID	Type	Actual	Criteria	Units	Flag
CH-MW016-02 (Reanalysis-01/TOT)	Sampling To Analysis	222.25	48.00	HOURS	J-(all detects)
CH-MW016-02 (Reanalysis-02/TOT)		222.50	48.00	HOURS	R(all non-detects)
CH-MW016-02DUP (Reanalysis-01/T		222.75	48.00	HOURS	
CH-MW016-02DUP (Reanalysis-02/T		223.75	48.00	HOURS	
CH-MW016-02MS (Reanalysis-01/T(		224.00	48.00	HOURS	
CH-MW016-02MS (Reanalysis-02/T(		224.25	48.00	HOURS	
CH-MW016-02MSD (Reanalysis-01/T		224.50	48.00	HOURS	
CH-MW016-02MSD (Reanalysis-02/T		224.75	48.00	HOURS	
CH-MW043-02 (Reanalysis-01/TOT)		224.75	48.00	HOURS	
CH-MW043-02 (Reanalysis-02/TOT)		225.00	48.00	HOURS	
CH-MW043-02MSD (Initial/TOT)		224.00	48.00	HOURS	

Surrogate Outlier Report

Lab Reporting Batch ID: APP62 **Laboratory: LLL**

EDD Filename: APP62-D_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D
Matrix: WATER

Sample ID (Analysis Type)	Surrogate	Sample % Recovery	% Recovery Limits	Affected Compounds	Flag
CH-MW016-02 (Initial/TOT)	2-FLUOROPHENOL	10	19.00-119.00	No Affected Compounds	

Method: 8270D SIM
Matrix: WATER

Sample ID (Analysis Type)	Surrogate	Sample % Recovery	% Recovery Limits	Affected Compounds	Flag
CH-MW016-02 (Initial/TOT)	1-Methylnaphthalene-d10	136	22.00-129.00	No Affected Compounds	

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP62 **Laboratory: LLL**

EDD Filename: APP62-D_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 7470A
Matrix: WATER

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-MW016-02MS (Total) CH-MW016-02MSD (Total) (CH-MW016-02)	MERCURY	73	78	82.00-119.00	-	MERCURY	J- (all detects) UJ (all non-detects)
CH-MW016-02FMS (Dissolved) (CH-MW016-02F)	MERCURY	79	-	82.00-119.00	-	MERCURY	J-(all detects) UJ(all non-detects)

Method: 6020A
Matrix: WATER

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-MW016-02MS (Total) CH-MW016-02MSD (Total) (CH-MW016-02)	IRON	230	-99	87.00-118.00	-	IRON	J(all detects) UJ(all non-detects)
CH-MW016-02MSD (Total) (CH-MW016-02)	MAGNESIUM	-	80	83.00-118.00	-	MAGNESIUM	J-(all detects) UJ(all non-detects)
CH-MW016-02MS (Total) CH-MW016-02MSD (Total) (CH-MW016-02)	MANGANESE	491	629	87.00-115.00	-	MANGANESE	J+(all detects)
CH-MW016-02FMS (Dissolved) CH-MW016-02FMSD (Dissolved) (CH-MW016-02F)	CALCIUM MAGNESIUM MANGANESE	-26 -39 -858	151 134 270	87.00-118.00 83.00-118.00 87.00-115.00	- - -	CALCIUM MAGNESIUM MANGANESE	J(all detects) UJ(all non-detects)
CH-MW016-02FMS (Dissolved) (CH-MW016-02F)	ARSENIC IRON SODIUM	64 -189 67	- - -	84.00-116.00 87.00-118.00 85.00-117.00	- - -	ARSENIC IRON SODIUM	J-(all detects) UJ(all non-detects)
CH-MW016-02FMSD (Dissolved) (CH-MW016-02F)	BARIUM	-	116	86.00-114.00	-	BARIUM	J+(all detects)

Method: 9056A
Matrix: WATER

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-MW043-02MS CH-MW043-02MSD (CH-MW043-02)	NITRITE	82	-	87.00-111.00	17 (15.00)	NITRITE	J(all detects) UJ(all non-detects)

Method: SM 4500-S2D
Matrix: WATER

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-MW043-02MSD (CH-MW043-02)	SULFIDE	-	114	90.00-110.00	13 (5.00)	SULFIDE	J(all detects) UJ(all non-detects)

Project Name and Number: Camp Hero - USACE Project: USACE Project: Camp Hero

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP62 **Laboratory: LLL**

EDD Filename: APP62-D_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D
Matrix: WATER

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-MW016-02MSD (CH-MW016-02)	BENZOIC ACID	-	-	10.00-64.00	27 (20.00)	BENZOIC ACID	J(all detects)
CH-MW016-02FMSD (CH-MW016-02F)	Benzo (g,h,i) perylene BENZOIC ACID BIS(2-ETHYLHEXYL) PHTHALATE Butyl benzyl phthalate DIBENZO(A,H)ANTHRACENE FLUORANTHENE INDENO(1,2,3-CD)PYRENE	- - - - - - -	- - - - - - -	50.00-134.00 10.00-64.00 55.00-135.00 53.00-134.00 51.00-134.00 57.00-128.00 52.00-134.00	25 (20.00) 29 (20.00) 21 (20.00) 21 (20.00) 26 (20.00) 21 (20.00) 26 (20.00)	Benzo (g,h,i) perylene BENZOIC ACID BIS(2-ETHYLHEXYL) PHTHALATI Butyl benzyl phthalate DIBENZO(A,H)ANTHRACENE FLUORANTHENE INDENO(1,2,3-CD)PYRENE	J(all detects)
CH-MW016-02FMS CH-MW016-02FMSD (CH-MW016-02F)	CAPROLACTAM	0	-	13.00-37.00	200 (20.00)	CAPROLACTAM	J(all detects) UJ(all non-detects)
CH-MW016-02FMS CH-MW016-02FMSD (CH-MW016-02F)	1-METHYLNAPHTHALENE 2-METHYLNAPHTHALENE NAPHTHALENE	-21 -28 -56	-46 -51 -92	41.00-119.00 40.00-121.00 40.00-121.00	- - -	1-METHYLNAPHTHALENE 2-METHYLNAPHTHALENE NAPHTHALENE	J-(all detects) UJ(all non-detects)

Method: RSK-175
Matrix: WATER

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-MW016-02MS CH-MW016-02MSD (CH-MW016-02)	METHANE	943	1802	73.00-125.00	-	METHANE	J+(all detects)

Method: 8270D
Matrix: WATER

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-MW016-02-XMS (CH-MW016-02-X)	BENZALDEHYDE NAPHTHALENE	120 138	- -	45.00-111.00 40.00-121.00	- -	BENZALDEHYDE NAPHTHALENE	J+(all detects)

Method: 8270D SIM
Matrix: WATER

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-MW016-02MS CH-MW016-02MSD (CH-MW016-02)	FLUORENE	-31	35	50.00-118.00	42 (20.00)	FLUORENE	J(all detects) UJ(all non-detects)
CH-MW016-02MS CH-MW016-02MSD (CH-MW016-02)	ACENAPHTHENE ACENAPHTHYLENE NAPHTHALENE	47 32 -7069	42 30 -6852	48.00-114.00 35.00-121.00 43.00-114.00	- - -	ACENAPHTHENE ACENAPHTHYLENE NAPHTHALENE	J-(all detects) UJ(all non-detects)
CH-MW016-02MS CH-MW016-02MSD (CH-MW016-02)	1-METHYLNAPHTHALENE 2-METHYLNAPHTHALENE PHENANTHRENE	144 - 141	202 315 134	41.00-115.00 39.00-114.00 53.00-115.00	- - -	1-METHYLNAPHTHALENE 2-METHYLNAPHTHALENE PHENANTHRENE	J+(all detects)

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP62 **Laboratory: LLL**

EDD Filename: APP62-D_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D SIM
Matrix: WATER

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-MW016-02FMS CH-MW016-02FMSD (CH-MW016-02F)	PHENANTHRENE	21	-	53.00-115.00	47 (20.00)	PHENANTHRENE	J(all detects) UJ(all non-detects)
CH-MW016-02FMS CH-MW016-02FMSD (CH-MW016-02F)	1-METHYLNAPHTHALENE 2-METHYLNAPHTHALENE FLUORENE NAPHTHALENE	-172 -234 29 -3203	-406 -714 30 -3843	41.00-115.00 39.00-114.00 50.00-118.00 43.00-114.00	- - - -	1-METHYLNAPHTHALENE 2-METHYLNAPHTHALENE FLUORENE NAPHTHALENE	J-(all detects) UJ(all non-detects)
CH-MW016-02-XMS CH-MW016-02-XMSD (CH-MW016-02-X)	1-METHYLNAPHTHALENE	1956	562	41.00-115.00	26 (20.00)	1-METHYLNAPHTHALENE	J(all detects)
CH-MW016-02-XMS CH-MW016-02-XMSD (CH-MW016-02-X)	FLUORENE	18	-14	50.00-118.00	22 (20.00)	FLUORENE	J(all detects) UJ(all non-detects)
CH-MW016-02-XMS CH-MW016-02-XMSD (CH-MW016-02-X)	ACENAPHTHENE ACENAPHTHYLENE	40 28	14 25	48.00-114.00 35.00-121.00	- -	ACENAPHTHENE ACENAPHTHYLENE	J-(all detects) UJ(all non-detects)
CH-MW016-02-XMS CH-MW016-02-XMSD (CH-MW016-02-X)	2-METHYLNAPHTHALENE NAPHTHALENE	738 1619	796 447	39.00-114.00 43.00-114.00	- -	2-METHYLNAPHTHALENE NAPHTHALENE	J+(all detects)

Method: 6020A
Matrix: WATER

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-MW016-02F-XMS (Dissolved) CH-MW016-02F-XMSD (Dissolved) (CH-MW016-02F-X)	MANGANESE	155	513	87.00-115.00	-	MANGANESE	J+(all detects)

Method: 8260C
Matrix: WATER

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-MW016-02MS (CH-MW016-02)	TERT-BUTYLBENZENE	127	-	78.00-124.00	-	TERT-BUTYLBENZENE	J+(all detects)

Lab Duplicate Outlier Report

Lab Reporting Batch ID: APP62 **Laboratory: LLL**

EDD Filename: APP62-D_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: WATER

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
CH-MW016-02FDUP (Dissolved) (CH-MW016-02F)	VANADIUM	40	20.00	J (all detects) UJ (all non-detects)

Method: 9056A
Matrix: WATER

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
CH-MW043-02DUP (CH-MW043-02)	NITRATE	200	15.00	J(all detects) UJ(all non-detects)

Method: 6020A
Matrix: WATER

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
CH-MW016-02DUP (Total) (CH-MW016-02)	CHROMIUM COPPER ZINC	200 200 200	20.00 20.00 20.00	J(all detects) UJ(all non-detects)

Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP62 **Laboratory: LLL**

EDD Filename: APP62-D_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **8270D SIM**
Matrix: **WATER**

QC Sample ID (Associated Samples)	*Compound*	*LCS %R*	*LCSD %R*	*%R Limits*	*RPD (Limits)*	*Affected Compounds*	*Flag*
P0WBLCSQ200WAB026 (CH-MW016-02 CH-MW019-02 CH-MW043-02 CH-MW043-02F)	2-METHYLNAPHTHALENE	144	-	39.00-114.00	-	2-METHYLNAPHTHALENE	J+ (all detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP62 **Laboratory: LLL**

EDD Filename: APP62-D_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 410.4

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-MW043-02	CHEMICAL OXYGEN DEMAND	J	18700	50000	LOQ	ug/L	J (all detects)

Method: 6020A

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-MW016-02	NICKEL	J	3.8	4.0	LOQ	ug/L	J (all detects)
	VANADIUM	J	0.90	1.0	LOQ	ug/L	
CH-MW019-02	ANTIMONY	J	1.3	2.0	LOQ	ug/L	J (all detects)
	SELENIUM	J	0.56	4.0	LOQ	ug/L	
	THALLIUM	J	0.60	1.0	LOQ	ug/L	
CH-MW019-02F	ANTIMONY	J	1.6	2.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	0.90	4.0	LOQ	ug/L	
	COBALT	J	0.71	1.0	LOQ	ug/L	
	COPPER	J	2.4	4.0	LOQ	ug/L	
	LEAD	J	0.23	2.0	LOQ	ug/L	
	NICKEL	J	1.8	4.0	LOQ	ug/L	
CH-MW043-02	ARSENIC	J	1.5	4.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.3	4.0	LOQ	ug/L	
	COPPER	J	2.6	4.0	LOQ	ug/L	
	LEAD	J	0.45	2.0	LOQ	ug/L	
	NICKEL	J	3.2	4.0	LOQ	ug/L	
	VANADIUM	J	0.92	1.0	LOQ	ug/L	
	ZINC	J	6.1	30.0	LOQ	ug/L	
CH-MW043-02F	ALUMINUM	J	105	200	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.2	4.0	LOQ	ug/L	
	COPPER	J	3.0	4.0	LOQ	ug/L	
	LEAD	J	0.22	2.0	LOQ	ug/L	
	NICKEL	J	2.9	4.0	LOQ	ug/L	
	VANADIUM	J	0.41	1.0	LOQ	ug/L	
	ZINC	J	6.5	30.0	LOQ	ug/L	

Method: 8260C

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-MW016-02	CHLOROETHANE	J	0.7	1	LOQ	ug/L	J (all detects)
	N-BUTYLBENZENE	J	4	5	LOQ	ug/L	
	SEC-BUTYLBENZENE	J	4	5	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: APP62 **Laboratory: LLL**

EDD Filename: APP62-D_ADJ_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 8270D

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-MW016-02F	3/4-Methylphenol [m/p-Cresol]	J	0.52	1.0	LOQ	ug/L	J (all detects)
CH-MW016-02-X	3/4-Methylphenol [m/p-Cresol] ANTHRACENE	J J	0.57 0.14	1.0 0.51	LOQ LOQ	ug/L ug/L	J (all detects)
CH-MW019-02F	NAPHTHALENE	J	0.16	0.50	LOQ	ug/L	J (all detects)

Method: 8270D SIM

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-MW016-02	ACENAPHTHYLENE PYRENE	J J	0.46 0.013	1.0 0.050	LOQ LOQ	ug/L ug/L	J (all detects)
CH-MW016-02F	ACENAPHTHYLENE PYRENE	J J	0.71 0.020	2.5 0.051	LOQ LOQ	ug/L ug/L	J (all detects)
CH-MW016-02-X	PYRENE	J	0.013	0.050	LOQ	ug/L	J (all detects)
CH-MW019-02F	1-METHYLNAPHTHALENE 2-METHYLNAPHTHALENE NAPHTHALENE	J J J	0.015 0.021 0.049	0.050 0.050 0.060	LOQ LOQ LOQ	ug/L ug/L ug/L	J (all detects)

Method: 9056A

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-MW016-02	SULFATE	J	4000	5000	LOQ	ug/L	J (all detects)
CH-MW043-02	NITRATE	J	380	500	LOQ	ug/L	J (all detects)

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Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page	1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.		
Laboratory SDG:	APP64		
Date(s) of Collection:	June 12th, 2017		
Number/Type Samples & Analyses:	2 soil samples for a project-specific list of metals		
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA		
Completed:	September 28th, 2017		

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for soil data included in Sample Delivery Group (SDG) APP64. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017.

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✗ Holding times and sample preservation

✓ Laboratory method blank data

✓ Field rinsate blank data

NA Trip blank data

✓ Laboratory control sample (LCS) recoveries

✗ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✓ Surrogate recoveries

✗ Laboratory duplicate results

NA Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of "J" data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP64

Laboratory: LLL

EDD Filename: APP64-B_2a_1

eQAPP Name: CAMP_HERO_NP_PIII

Validation Area	*Note*
Technical Holding Times	SR
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	A
Surrogate/Tracer Spikes	N
Matrix Spike/Matrix Spike Duplicates	SR
Laboratory Duplicates	SR
Laboratory Replicates	N
Laboratory Control Samples	A
Compound Quantitation	SR
Field Duplicates	N
Field Triplicates	N
Field Blanks	A

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP64 **Laboratory: LLL**

EDD Filename: APP64-B_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **SOIL**

Sample ID: **DU06-S016-00-01** ***Collected:*** **6/12/2017 3:35:00 PM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.0790	J	0.151	LOD	0.301	LOQ	mg/kg	J	Rl, Ld
ARSENIC	2.59		0.301	LOD	0.603	LOQ	mg/kg	J	Ms, Ld
BARIUM	29.6		0.301	LOD	0.603	LOQ	mg/kg	J	Ms, Ld
BERYLLIUM	0.172		0.0188	LOD	0.151	LOQ	mg/kg	J	Ld
CADMIUM	0.0624	J	0.0753	LOD	0.151	LOQ	mg/kg	J	Rl, Ld
CALCIUM	421		30.1	LOD	60.3	LOQ	mg/kg	J	Ld
COBALT	1.97		0.0753	LOD	0.151	LOQ	mg/kg	J	Ld
IRON	6910		15.1	LOD	30.1	LOQ	mg/kg	J	Ms, Ms
LEAD	29.2		0.0377	LOD	0.301	LOQ	mg/kg	J	Ms, Ld
MAGNESIUM	925		7.53	LOD	30.1	LOQ	mg/kg	J	Ms, Ld
MANGANESE	88.1		0.151	LOD	0.603	LOQ	mg/kg	J	Ms, Ld
NICKEL	3.99		0.151	LOD	0.603	LOQ	mg/kg	J	Ld
SELENIUM	0.287	J	0.151	LOD	0.603	LOQ	mg/kg	J	Rl, Ld
SILVER	0.0280	J	0.0377	LOD	0.151	LOQ	mg/kg	J	Rl, Ld
SODIUM	47.2	J	15.1	LOD	60.3	LOQ	mg/kg	J	Rl
THALLIUM	0.126	J	0.0377	LOD	0.151	LOQ	mg/kg	J	Rl, Ld
ZINC	27.4		2.26	LOD	4.52	LOQ	mg/kg	J	Ms, Ld
ALUMINUM	3790		7.53	LOD	30.1	LOQ	mg/kg	J	Ms, Ld

Sample ID: **DU06-S016-01-10** ***Collected:*** **6/12/2017 3:40:00 PM** ***Analysis Type:*** **Initial** ***Dilution:*** **2**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0428	J	0.0852	LOD	0.170	LOQ	mg/kg	J	Rl
SELENIUM	0.383	J	0.170	LOD	0.682	LOQ	mg/kg	J	Rl
SODIUM	66.3	J	17.0	LOD	68.2	LOQ	mg/kg	J	Rl
THALLIUM	0.127	J	0.0426	LOD	0.170	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP64 **Laboratory: LLL**

EDD Filename: APP64-B_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: **METALS**

Method: **7471B** ***Matrix:*** **SOIL**

Sample ID: **DU06-S016-00-01** ***Collected:*** **6/12/2017 3:35:00 PM** ***Analysis Type:*** **Initial** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
MERCURY	0.0114	J	0.0167	LOD	0.100	LOQ	mg/kg	J	RI, StoA

Sample ID: **DU06-S016-01-10** ***Collected:*** **6/12/2017 3:40:00 PM** ***Analysis Type:*** **Initial** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
MERCURY	0.0157	J	0.0185	LOD	0.111	LOQ	mg/kg	J	RI, StoA

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP64 **Laboratory: LLL**

EDD Filename: APP64-B_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Reason Code Legend

Reason Code	*Description*
Ld	Laboratory Duplicate Precision
Ms	Matrix Spike Lower Estimation
Ms	Matrix Spike Upper Estimation
RI	Reporting Limit Trace Value
StoA	Sampling to Analysis Rejection

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

QC Outlier Report: HoldingTimes

Lab Reporting Batch ID: APP64 **Laboratory: LLL**

EDD Filename: APP64-B_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 7471B **Preparation Method: METHOD**

Matrix: SOIL

Sample ID	Type	Actual	Criteria	Units	Flag
DU06-S016-00-01 (Initial)	Sampling To Analysis	101.00	28.00	DAYS	J- (all detects)
DU06-S016-00-01DUP (Initial)		101.00	28.00	DAYS	R (all non-detects)
DU06-S016-00-01MS (Initial)		101.00	28.00	DAYS	
DU06-S016-00-01MSD (Initial)		101.00	28.00	DAYS	
DU06-S016-01-10 (Initial)		101.00	28.00	DAYS	

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP64 **Laboratory: LLL**

EDD Filename: APP64-B_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**
Matrix: **SOIL**

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
DU06-S016-00-01MS (Wet) DU06-S016-00-01MSD (Wet) (DU06-S016-00-01)	IRON	35	285	81.00-124.00	-	IRON	J (all detects) UJ (all non-detects)
DU06-S016-00-01MS (Wet) DU06-S016-00-01MSD (Wet) (DU06-S016-00-01)	ALUMINUM ARSENIC BARIUM LEAD MAGNESIUM MANGANESE	- 81 - 31 - -	32 - 70 -42 73 -30	78.00-124.00 82.00-118.00 86.00-116.00 84.00-118.00 80.00-123.00 85.00-116.00	- - - - - -	ALUMINUM ARSENIC BARIUM LEAD MAGNESIUM MANGANESE	J-(all detects) UJ(all non-detects)
DU06-S016-00-01MS (Wet) DU06-S016-00-01MSD (Wet) (DU06-S016-00-01)	ZINC	200	208	82.00-119.00	-	ZINC	J+(all detects)

Lab Duplicate Outlier Report

Lab Reporting Batch ID: APP64 **Laboratory: LLL**

EDD Filename: APP64-B_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SOIL

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
DU06-S016-00-01DUP (Wet) (DU06-S016-00-01)	ALUMINUM	37	20.00	
	ANTIMONY	200	20.00	
	ARSENIC	28	20.00	
	BARIUM	27	20.00	
	BERYLLIUM	33	20.00	
	CADMIUM	52	20.00	
	CALCIUM	26	20.00	
	COBALT	36	20.00	J (all detects)
	LEAD	24	20.00	UJ (all non-detects)
	MAGNESIUM	25	20.00	
	MANGANESE	36	20.00	
	NICKEL	31	20.00	
	SELENIUM	43	20.00	
	SILVER	200	20.00	
	THALLIUM	45	20.00	
	ZINC	35	20.00	

Reporting Limit Outliers

Lab Reporting Batch ID: APP64 **Laboratory: LLL**

EDD Filename: APP64-B_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU06-S016-00-01	ANTIMONY	J	0.0790	0.301	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.0624	0.151	LOQ	mg/kg	
	SELENIUM	J	0.287	0.603	LOQ	mg/kg	
	SILVER	J	0.0280	0.151	LOQ	mg/kg	
	SODIUM	J	47.2	60.3	LOQ	mg/kg	
	THALLIUM	J	0.126	0.151	LOQ	mg/kg	
DU06-S016-01-10	CADMIUM	J	0.0428	0.170	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.383	0.682	LOQ	mg/kg	
	SODIUM	J	66.3	68.2	LOQ	mg/kg	
	THALLIUM	J	0.127	0.170	LOQ	mg/kg	

Method: 7471B

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU06-S016-00-01	MERCURY	J	0.0114	0.100	LOQ	mg/kg	J (all detects)
DU06-S016-01-10	MERCURY	J	0.0157	0.111	LOQ	mg/kg	J (all detects)

Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page	1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.		
Laboratory SDG:	APP65 (data gap lab-filtered surface water samples)		
Date(s) of Collection:	June 8th, 2017		
Number/Type Samples & Analyses:	16 surface water samples for a project-specific list of metals (lab filtered samples)		
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA		
Completed:	October 4th, 2017		

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for surface water data included in Sample Delivery Group (SDG) APP65. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017.

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✗ Holding times and sample preservation

✓ Laboratory method blank data

✓ Field rinsate blank data

NA Trip blank data

✓ Laboratory control sample (LCS) recoveries

✓ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✓ Surrogate recoveries

✓ Laboratory duplicate results

NA Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of "J" data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

At AECOM's request, the laboratory filtered the surface water samples through a 0.45 µm and analyzed for dissolved metals by 6020A. Since the filtration occurred after receipt in the laboratory, the recommended holding time criteria of 15-minutes was exceeded. The lab-filtered results are flagged "J" and "UJ" for detected and non-detected results, respectively indicating that the results are estimated values. If the original results were nondetects and the lab-filtered results were detected, the result will be rejected ("R" flag).

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The result is rejected and not usable. The original results were nondetects and the lab-filtered results were detected

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP65

Laboratory: LLL

EDD Filename: APP65-A_2a_1

eQAPP Name: CAMP_HERO_NP_PIII_METALS

Validation Area	*Note*
Technical Holding Times	SR
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	A
Surrogate/Tracer Spikes	N
Matrix Spike/Matrix Spike Duplicates	A
Laboratory Duplicates	A
Laboratory Replicates	N
Laboratory Control Samples	A
Compound Quantitation	SR
Field Duplicates	N
Field Triplicates	N
Field Blanks	N

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP65 **Laboratory: LLL**

EDD Filename: APP65-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: GENCHEM

Method: SM 2340B **Matrix: WATER**

Sample ID: CH-SWSD001-SW01-LF **Collected:** 6/8/2017 11:20:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	20200		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD002-SW01-F-LF **Collected:** 6/8/2017 11:00:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	17500		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD002-SW01-LF **Collected:** 6/8/2017 11:00:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	17100		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD003-SW01-LF **Collected:** 6/8/2017 10:40:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	17200		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD016-SW01-LF **Collected:** 6/8/2017 10:15:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	19800		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD017-SW01-LF **Collected:** 6/8/2017 9:55:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	19700		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD018-SW01-LF **Collected:** 6/8/2017 9:30:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	19000		200	LOD	400	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP65 **Laboratory: LLL**

EDD Filename: APP65-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **GENCHEM**

Method: **SM 2340B** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD019-SW01-LF** ***Collected:*** **6/8/2017 1:15:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	16700		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD020-SW01-LF** ***Collected:*** **6/8/2017 1:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	16500		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD021-SW01-LF** ***Collected:*** **6/8/2017 2:15:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	18800		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD022-SW01-LF** ***Collected:*** **6/8/2017 2:30:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	24100		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD023-SW01-LF** ***Collected:*** **6/8/2017 1:40:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	24100		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD027-SW01-LF** ***Collected:*** **6/7/2017 2:10:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	20900		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD028-SW01-LF** ***Collected:*** **6/7/2017 2:25:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	21800		200	LOD	400	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP65 **Laboratory: LLL**

EDD Filename: APP65-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: GENCHEM

Method: SM 2340B **Matrix: WATER**

Sample ID: CH-SWSD029-SW01-LF **Collected:** 6/7/2017 2:45:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	23100		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD030-SW01-LF **Collected:** 6/7/2017 3:00:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	23500		200	LOD	400	LOQ	ug/L	J	StoE

Method Category: METALS

Method: 6020A **Matrix: WATER**

Sample ID: CH-SWSD001-SW01-LF **Collected:** 6/8/2017 11:20:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	267		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	25.2		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.098	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CHROMIUM	2.8	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.40	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
IRON	350		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.59	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3120		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	34.4		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	1180		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	29300		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.44	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP65 **Laboratory: LLL**

EDD Filename: APP65-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD001-SW01-LF** ***Collected:*** **6/8/2017 11:20:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ZINC	11.4	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD001-SW01-LF** ***Collected:*** **6/8/2017 11:20:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	2940		200	LOD	400	LOQ	ug/L	J	StoE
COPPER	2.4	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD002-SW01-F-LF** ***Collected:*** **6/8/2017 11:00:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	526		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	25.1		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.15	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	2380		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.58	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
IRON	307		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.37	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2810		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	32.7		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1000		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	26700		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.1		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	12.9	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP65 **Laboratory: LLL**

EDD Filename: APP65-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD002-SW01-F-LF** ***Collected:*** **6/8/2017 11:00:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	4.1		1.0	LOD	4.0	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD002-SW01-LF** ***Collected:*** **6/8/2017 11:00:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	571		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	27.2		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.16	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	2400		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.4	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.56	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
IRON	333		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.69	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2700		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	29.7		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.0	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	935		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	25400		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.3		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	12.6	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD002-SW01-LF** ***Collected:*** **6/8/2017 11:00:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	2.9	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP65 **Laboratory: LLL**

EDD Filename: APP65-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD003-SW01-LF** ***Collected:*** **6/8/2017 10:40:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	495		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	23.1		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.14	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	2390		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	1.2	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.60	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
IRON	377		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.55	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2730		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	35.1		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.2	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1100		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	26300		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.79	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	12.5	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD003-SW01-LF** ***Collected:*** **6/8/2017 10:40:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	2.6	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD016-SW01-LF** ***Collected:*** **6/8/2017 10:15:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	445		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP65 **Laboratory: LLL**

EDD Filename: APP65-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD016-SW01-LF** ***Collected:*** **6/8/2017 10:15:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	21.8		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.15	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	2710		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	3.0	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.47	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
IRON	248		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.52	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3160		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	27.8		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	1020		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	28800		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.85	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	8.8	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD016-SW01-LF** ***Collected:*** **6/8/2017 10:15:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	2.2	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD017-SW01-LF** ***Collected:*** **6/8/2017 9:55:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	454		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	21.6		2.0	LOD	4.0	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP65 **Laboratory: LLL**

EDD Filename: APP65-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD017-SW01-LF** ***Collected:*** **6/8/2017 9:55:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.15	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	2590		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.50	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
IRON	245		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.50	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3210		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	28.9		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	1020		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	29100		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.74	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	9.1	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD017-SW01-LF** ***Collected:*** **6/8/2017 9:55:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	2.1	J	1.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg

Sample ID: **CH-SWSD018-SW01-LF** ***Collected:*** **6/8/2017 9:30:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	447		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	23.9		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.15	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP65 **Laboratory: LLL**

EDD Filename: APP65-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD018-SW01-LF** ***Collected:*** **6/8/2017 9:30:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	2490		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	1.2	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.49	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
IRON	253		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.45	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3100		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	27.8		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	950		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	27800		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.83	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	8.7	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD018-SW01-LF** ***Collected:*** **6/8/2017 9:30:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	1.9	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD019-SW01-LF** ***Collected:*** **6/8/2017 1:15:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	457		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	27.4		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.20	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CHROMIUM	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.69	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP65 **Laboratory: LLL**

EDD Filename: APP65-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD019-SW01-LF** ***Collected:*** **6/8/2017 1:15:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
IRON	148	J	100	LOD	200	LOQ	ug/L	J	RI, StoE
LEAD	0.40	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2870		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	26.4		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.2	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	968		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	25200		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.73	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	9.4	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD019-SW01-LF** ***Collected:*** **6/8/2017 1:15:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	1960		200	LOD	400	LOQ	ug/L	J	StoE
COPPER	2.8	J	1.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg

Sample ID: **CH-SWSD020-SW01-LF** ***Collected:*** **6/8/2017 1:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	440		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	26.1		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.19	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CHROMIUM	2.9	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.72	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
IRON	132	J	100	LOD	200	LOQ	ug/L	J	RI, StoE
LEAD	0.39	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP65 **Laboratory: LLL**

EDD Filename: APP65-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD020-SW01-LF** ***Collected:*** **6/8/2017 1:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MAGNESIUM	2810		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	25.2		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.3	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	927		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	24500		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.64	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	8.0	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD020-SW01-LF** ***Collected:*** **6/8/2017 1:00:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	1970		200	LOD	400	LOQ	ug/L	J	StoE
COPPER	2.2	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD021-SW01-LF** ***Collected:*** **6/8/2017 2:15:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	519		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	27.1		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.19	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CHROMIUM	3.3	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.63	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
IRON	208		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.51	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3230		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	24.0		2.0	LOD	4.0	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP65 **Laboratory: LLL**

EDD Filename: APP65-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD021-SW01-LF** ***Collected:*** **6/8/2017 2:15:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NICKEL	1.3	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
POTASSIUM	827		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	22400		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.5		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	10.8	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD021-SW01-LF** ***Collected:*** **6/8/2017 2:15:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	2190		200	LOD	400	LOQ	ug/L	J	StoE
COPPER	2.8	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD022-SW01-LF** ***Collected:*** **6/8/2017 2:30:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	689		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	24.6		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.11	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CHROMIUM	2.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.31	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
IRON	268		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.64	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	4160		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	16.1		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	532		200	LOD	400	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP65 **Laboratory: LLL**

EDD Filename: APP65-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD022-SW01-LF** ***Collected:*** **6/8/2017 2:30:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	17200		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	2.4		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	12.4	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD022-SW01-LF** ***Collected:*** **6/8/2017 2:30:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	2780		200	LOD	400	LOQ	ug/L	J	StoE
COPPER	3.1	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD023-SW01-LF** ***Collected:*** **6/8/2017 1:40:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	672		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	25.9		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.12	J	0.25	LOD	1.0	LOQ	ug/L	R	RI, StoE, ProfJudg
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CHROMIUM	3.6	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.30	J	0.50	LOD	1.0	LOQ	ug/L	R	RI, StoE, ProfJudg
IRON	192	J	100	LOD	200	LOQ	ug/L	J	RI, StoE
LEAD	0.58	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	4070		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	14.7		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	482		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP65 **Laboratory: LLL**

EDD Filename: APP65-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD023-SW01-LF** ***Collected:*** **6/8/2017 1:40:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	16300		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	2.7		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	13.6	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD023-SW01-LF** ***Collected:*** **6/8/2017 1:40:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	2930		200	LOD	400	LOQ	ug/L	J	StoE
COPPER	2.8	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD027-SW01-LF** ***Collected:*** **6/7/2017 2:10:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	814		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	0.92	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
BARIUM	20.1		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.13	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	3760		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	3.9	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.85	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
IRON	1120		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	1.4	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2800		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	62.5		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.5	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1010		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	15500		100	LOD	400	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP65 **Laboratory: LLL**

EDD Filename: APP65-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD027-SW01-LF** ***Collected:*** **6/7/2017 2:10:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	2.2		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	27.5	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD027-SW01-LF** ***Collected:*** **6/7/2017 2:10:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	3.1	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD028-SW01-LF** ***Collected:*** **6/7/2017 2:25:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	816		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	18.2		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.10	J	0.25	LOD	1.0	LOQ	ug/L	R	RI, StoE, ProfJudg
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	3870		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.4	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.78	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
IRON	1300		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	1.5	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2940		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	71.6		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.6	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1030		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	15400		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	2.5		0.50	LOD	1.0	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP65 **Laboratory: LLL**

EDD Filename: APP65-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: METALS

Method: 6020A **Matrix:** WATER

Sample ID: CH-SWSD028-SW01-LF **Collected:** 6/7/2017 2:25:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ZINC	29.9	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: CH-SWSD028-SW01-LF **Collected:** 6/7/2017 2:25:00 PM **Analysis Type:** Reanalysis-01/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	3.4	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

Sample ID: CH-SWSD029-SW01-LF **Collected:** 6/7/2017 2:45:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	768		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
BARIUM	16.8		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.091	J	0.25	LOD	1.0	LOQ	ug/L	R	RI, StoE, ProfJudg
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	4270		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	3.6	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.75	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
IRON	1390		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	1.6	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3010		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	75.3		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.5	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1040		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	15200		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	2.3		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	32.3		7.5	LOD	30.0	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP65 **Laboratory: LLL**

EDD Filename: APP65-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD029-SW01-LF** ***Collected:*** **6/7/2017 2:45:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	3.3	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD030-SW01-LF** ***Collected:*** **6/7/2017 3:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	603		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	1.3	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
BARIUM	16.6		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	4390		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	3.4	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.44	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
IRON	1640		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	1.7	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3030		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	75.7		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.2	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1140		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	15400		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.6		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	30.5		7.5	LOD	30.0	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD030-SW01-LF** ***Collected:*** **6/7/2017 3:00:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	3.1	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP65 **Laboratory: LLL**

EDD Filename: APP65-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP65 **Laboratory: LLL**

EDD Filename: APP65-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Reason Code Legend

Reason Code	*Description*
ProfJudg	Professional Judgment
RI	Reporting Limit Trace Value
StoE	Sampling to Extraction Estimation

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Reporting Limit Outliers

Lab Reporting Batch ID: APP65 **Laboratory: LLL**

EDD Filename: APP65-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: **6020A**

Matrix: **WATER**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD001-SW01-LF	BERYLLIUM	J	0.098	1.0	LOQ	ug/L	
	CHROMIUM	J	2.8	4.0	LOQ	ug/L	
	COBALT	J	0.40	1.0	LOQ	ug/L	
	COPPER	J	2.4	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.59	2.0	LOQ	ug/L	
	VANADIUM	J	0.44	1.0	LOQ	ug/L	
	ZINC	J	11.4	30.0	LOQ	ug/L	
CH-SWSD002-SW01-F-LF	BERYLLIUM	J	0.15	1.0	LOQ	ug/L	
	CHROMIUM	J	1.1	4.0	LOQ	ug/L	
	COBALT	J	0.58	1.0	LOQ	ug/L	
	LEAD	J	0.37	2.0	LOQ	ug/L	J (all detects)
	NICKEL	J	1.1	4.0	LOQ	ug/L	
	ZINC	J	12.9	30.0	LOQ	ug/L	
CH-SWSD002-SW01-LF	BERYLLIUM	J	0.16	1.0	LOQ	ug/L	
	CHROMIUM	J	2.4	4.0	LOQ	ug/L	
	COBALT	J	0.56	1.0	LOQ	ug/L	
	COPPER	J	2.9	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.69	2.0	LOQ	ug/L	
	NICKEL	J	1.0	4.0	LOQ	ug/L	
	ZINC	J	12.6	30.0	LOQ	ug/L	
CH-SWSD003-SW01-LF	BERYLLIUM	J	0.14	1.0	LOQ	ug/L	
	CHROMIUM	J	1.2	4.0	LOQ	ug/L	
	COBALT	J	0.60	1.0	LOQ	ug/L	
	COPPER	J	2.6	4.0	LOQ	ug/L	
	LEAD	J	0.55	2.0	LOQ	ug/L	J (all detects)
	NICKEL	J	1.2	4.0	LOQ	ug/L	
	VANADIUM	J	0.79	1.0	LOQ	ug/L	
	ZINC	J	12.5	30.0	LOQ	ug/L	
CH-SWSD016-SW01-LF	BERYLLIUM	J	0.15	1.0	LOQ	ug/L	
	CHROMIUM	J	3.0	4.0	LOQ	ug/L	
	COBALT	J	0.47	1.0	LOQ	ug/L	
	COPPER	J	2.2	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.52	2.0	LOQ	ug/L	
	VANADIUM	J	0.85	1.0	LOQ	ug/L	
	ZINC	J	8.8	30.0	LOQ	ug/L	
CH-SWSD017-SW01-LF	BERYLLIUM	J	0.15	1.0	LOQ	ug/L	
	CHROMIUM	J	2.1	4.0	LOQ	ug/L	
	COBALT	J	0.50	1.0	LOQ	ug/L	
	COPPER	J	2.1	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.50	2.0	LOQ	ug/L	
	VANADIUM	J	0.74	1.0	LOQ	ug/L	
	ZINC	J	9.1	30.0	LOQ	ug/L	
CH-SWSD018-SW01-LF	BERYLLIUM	J	0.15	1.0	LOQ	ug/L	
	CHROMIUM	J	1.2	4.0	LOQ	ug/L	
	COBALT	J	0.49	1.0	LOQ	ug/L	
	COPPER	J	1.9	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.45	2.0	LOQ	ug/L	
	VANADIUM	J	0.83	1.0	LOQ	ug/L	
	ZINC	J	8.7	30.0	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: APP65 **Laboratory: LLL**

EDD Filename: APP65-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: **6020A**

Matrix: **WATER**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD019-SW01-LF	BERYLLIUM	J	0.20	1.0	LOQ	ug/L	
	CHROMIUM	J	1.1	4.0	LOQ	ug/L	
	COBALT	J	0.69	1.0	LOQ	ug/L	
	COPPER	J	2.8	4.0	LOQ	ug/L	
	IRON	J	148	200	LOQ	ug/L	J (all detects)
	LEAD	J	0.40	2.0	LOQ	ug/L	
	NICKEL	J	1.2	4.0	LOQ	ug/L	
	VANADIUM	J	0.73	1.0	LOQ	ug/L	
	ZINC	J	9.4	30.0	LOQ	ug/L	
CH-SWSD020-SW01-LF	BERYLLIUM	J	0.19	1.0	LOQ	ug/L	
	CHROMIUM	J	2.9	4.0	LOQ	ug/L	
	COBALT	J	0.72	1.0	LOQ	ug/L	
	COPPER	J	2.2	4.0	LOQ	ug/L	
	IRON	J	132	200	LOQ	ug/L	J (all detects)
	LEAD	J	0.39	2.0	LOQ	ug/L	
	NICKEL	J	1.3	4.0	LOQ	ug/L	
	VANADIUM	J	0.64	1.0	LOQ	ug/L	
	ZINC	J	8.0	30.0	LOQ	ug/L	
CH-SWSD021-SW01-LF	BERYLLIUM	J	0.19	1.0	LOQ	ug/L	
	CHROMIUM	J	3.3	4.0	LOQ	ug/L	
	COBALT	J	0.63	1.0	LOQ	ug/L	
	COPPER	J	2.8	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.51	2.0	LOQ	ug/L	
	NICKEL	J	1.3	4.0	LOQ	ug/L	
	ZINC	J	10.8	30.0	LOQ	ug/L	
CH-SWSD022-SW01-LF	BERYLLIUM	J	0.11	1.0	LOQ	ug/L	
	CHROMIUM	J	2.1	4.0	LOQ	ug/L	
	COBALT	J	0.31	1.0	LOQ	ug/L	J (all detects)
	COPPER	J	3.1	4.0	LOQ	ug/L	
	LEAD	J	0.64	2.0	LOQ	ug/L	
	ZINC	J	12.4	30.0	LOQ	ug/L	
CH-SWSD023-SW01-LF	BERYLLIUM	J	0.12	1.0	LOQ	ug/L	
	CHROMIUM	J	3.6	4.0	LOQ	ug/L	
	COBALT	J	0.30	1.0	LOQ	ug/L	
	COPPER	J	2.8	4.0	LOQ	ug/L	J (all detects)
	IRON	J	192	200	LOQ	ug/L	
	LEAD	J	0.58	2.0	LOQ	ug/L	
	ZINC	J	13.6	30.0	LOQ	ug/L	
CH-SWSD027-SW01-LF	ARSENIC	J	0.92	4.0	LOQ	ug/L	
	BERYLLIUM	J	0.13	1.0	LOQ	ug/L	
	CHROMIUM	J	3.9	4.0	LOQ	ug/L	
	COBALT	J	0.85	1.0	LOQ	ug/L	
	COPPER	J	3.1	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	1.4	2.0	LOQ	ug/L	
	NICKEL	J	1.5	4.0	LOQ	ug/L	
	ZINC	J	27.5	30.0	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: APP65 **Laboratory: LLL**

EDD Filename: APP65-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: **6020A**

Matrix: **WATER**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD028-SW01-LF	BERYLLIUM	J	0.10	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	2.4	4.0	LOQ	ug/L	
	COBALT	J	0.78	1.0	LOQ	ug/L	
	COPPER	J	3.4	4.0	LOQ	ug/L	
	LEAD	J	1.5	2.0	LOQ	ug/L	
	NICKEL	J	1.6	4.0	LOQ	ug/L	
	ZINC	J	29.9	30.0	LOQ	ug/L	
CH-SWSD029-SW01-LF	ARSENIC	J	1.1	4.0	LOQ	ug/L	J (all detects)
	BERYLLIUM	J	0.091	1.0	LOQ	ug/L	
	CHROMIUM	J	3.6	4.0	LOQ	ug/L	
	COBALT	J	0.75	1.0	LOQ	ug/L	
	COPPER	J	3.3	4.0	LOQ	ug/L	
	LEAD	J	1.6	2.0	LOQ	ug/L	
	NICKEL	J	1.5	4.0	LOQ	ug/L	
CH-SWSD030-SW01-LF	ARSENIC	J	1.3	4.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	3.4	4.0	LOQ	ug/L	
	COBALT	J	0.44	1.0	LOQ	ug/L	
	COPPER	J	3.1	4.0	LOQ	ug/L	
	LEAD	J	1.7	2.0	LOQ	ug/L	
	NICKEL	J	1.2	4.0	LOQ	ug/L	

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Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page 1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.	
Laboratory SDG:	APP66 (data gap lab-filtered surface water samples)	
Date(s) of Collection:	June 8th, 2017	
Number/Type Samples & Analyses:	15 surface water samples for a project-specific list of metals (lab filtered samples)	
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA	
Completed:	September 28th, 2017	

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for surface water data included in Sample Delivery Group (SDG) APP66. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017.

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✗ Holding times and sample preservation

✓ Laboratory method blank data

✓ Field rinsate blank data

NA Trip blank data

✓ Laboratory control sample (LCS) recoveries

✗ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✓ Surrogate recoveries

✗ Laboratory duplicate results

NA Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of "J" data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

At AECOM's request, the laboratory filtered the surface water samples through a 0.45 µm and analyzed for dissolved metals by 6020A. Since the filtration occurred after receipt in the laboratory, the recommended holding time criteria of 15-minutes was exceeded. The lab-filtered results are flagged "J" and "UJ" for detected and non-detected results, respectively indicating that the results are estimated values. If the original results were nondetects and the lab-filtered results were detected, the result will be rejected ("R" flag).

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The result is rejected and not usable. Original results were nondetects and the lab-filtered results were detected.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP66 **Laboratory: LLL**

EDD Filename: APP66-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Validation Area	*Note*
Technical Holding Times	SR
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	A
Surrogate/Tracer Spikes	N
Matrix Spike/Matrix Spike Duplicates	SR
Laboratory Duplicates	SR
Laboratory Replicates	N
Laboratory Control Samples	A
Compound Quantitation	SR
Field Duplicates	N
Field Triplicates	N
Field Blanks	N

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP66 **Laboratory: LLL**

EDD Filename: APP66-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **GENCHEM**

Method: **SM 2340B** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD004-SW01-LF** ***Collected:*** **6/9/2017 9:50:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	38300		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD005-SW01-LF** ***Collected:*** **6/9/2017 9:30:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	34300		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD006-SW01-LF** ***Collected:*** **6/9/2017 9:15:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	34700		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD007-SW01-LF** ***Collected:*** **6/9/2017 8:50:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	34200		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD008-SW01-LF** ***Collected:*** **6/9/2017 3:30:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	13000		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD009-SW01-LF** ***Collected:*** **6/9/2017 3:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	23900		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD010-SW01-LF** ***Collected:*** **6/9/2017 12:30:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	18400		200	LOD	400	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP66 **Laboratory: LLL**

EDD Filename: APP66-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: GENCHEM

Method: SM 2340B **Matrix: WATER**

Sample ID: CH-SWSD011-SW01-LF **Collected:** 6/10/2017 11:20:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	20000		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD012-SW01-LF **Collected:** 6/10/2017 11:00:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	19900		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD013-SW01-LF **Collected:** 6/10/2017 10:45:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	19700		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD014-SW01-LF **Collected:** 6/9/2017 1:30:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	31900		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD015-SW01-LF **Collected:** 6/9/2017 1:45:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	31800		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD024-SW01-LF **Collected:** 6/10/2017 8:40:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	17200		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD025-SW01-LF **Collected:** 6/10/2017 10:05:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	17700		200	LOD	400	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP66 **Laboratory: LLL**

EDD Filename: APP66-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **GENCHEM**

Method: **SM 2340B** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD026-SW01-LF** ***Collected:*** **6/10/2017 9:15:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	16900		200	LOD	400	LOQ	ug/L	J	StoE

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD004-SW01-LF** ***Collected:*** **6/9/2017 9:50:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	50.0	U	50.0	LOD	200	LOQ	ug/L	UJ	Ld, StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	15.0		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CHROMIUM	1.4	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
IRON	54.8	J	100	LOD	200	LOQ	ug/L	J	RI, StoE
LEAD	0.25	U	0.25	LOD	2.0	LOQ	ug/L	UJ	StoE
MAGNESIUM	4360		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	1170		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	18000		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
ZINC	7.5	U	7.5	LOD	30.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP66 **Laboratory: LLL**

EDD Filename: APP66-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD004-SW01-LF** ***Collected:*** **6/9/2017 9:50:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	8170		200	LOD	400	LOQ	ug/L	J	Ms, StoE
COPPER	1.6	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD005-SW01-LF** ***Collected:*** **6/9/2017 9:30:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	50.0	U	50.0	LOD	200	LOQ	ug/L	UJ	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	15.2		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CHROMIUM	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
IRON	55.2	J	100	LOD	200	LOQ	ug/L	J	RI, StoE
LEAD	0.25	U	0.25	LOD	2.0	LOQ	ug/L	UJ	StoE
MAGNESIUM	4300		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	1170		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	18900		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
ZINC	7.5	U	7.5	LOD	30.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD005-SW01-LF** ***Collected:*** **6/9/2017 9:30:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	6640		200	LOD	400	LOQ	ug/L	J	StoE
COPPER	1.2	J	1.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP66 **Laboratory: LLL**

EDD Filename: APP66-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD006-SW01-LF** ***Collected:*** **6/9/2017 9:15:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	50.0	U	50.0	LOD	200	LOQ	ug/L	UJ	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	15.0		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CHROMIUM	2.8	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
IRON	64.0	J	100	LOD	200	LOQ	ug/L	J	RI, StoE
LEAD	0.25	U	0.25	LOD	2.0	LOQ	ug/L	UJ	StoE
MAGNESIUM	4260		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	1150		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	18800		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
ZINC	7.5	U	7.5	LOD	30.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD006-SW01-LF** ***Collected:*** **6/9/2017 9:15:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	6860		200	LOD	400	LOQ	ug/L	J	StoE
COPPER	1.4	J	1.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg

Sample ID: **CH-SWSD007-SW01-LF** ***Collected:*** **6/9/2017 8:50:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	21.6	J	50.0	LOD	200	LOQ	ug/L	J	RI, StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP66 **Laboratory: LLL**

EDD Filename: APP66-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD007-SW01-LF** ***Collected:*** **6/9/2017 8:50:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	15.2		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CHROMIUM	0.94	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
IRON	62.6	J	100	LOD	200	LOQ	ug/L	J	RI, StoE
LEAD	0.25	U	0.25	LOD	2.0	LOQ	ug/L	UJ	StoE
MAGNESIUM	4290		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	1190		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	19000		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
ZINC	7.5	U	7.5	LOD	30.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD007-SW01-LF** ***Collected:*** **6/9/2017 8:50:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	6640		200	LOD	400	LOQ	ug/L	J	StoE
COPPER	0.95	J	1.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg

Sample ID: **CH-SWSD008-SW01-LF** ***Collected:*** **6/9/2017 3:30:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	149	J	50.0	LOD	200	LOQ	ug/L	J	RI, StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	7.3		2.0	LOD	4.0	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP66 **Laboratory: LLL**

EDD Filename: APP66-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD008-SW01-LF** ***Collected:*** **6/9/2017 3:30:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.081	J	0.25	LOD	1.0	LOQ	ug/L	R	RI, StoE, ProfJudg
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CHROMIUM	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.21	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
IRON	494		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.45	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2270		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	64.2		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	2420		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	18200		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.22	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	7.5	U	7.5	LOD	30.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD008-SW01-LF** ***Collected:*** **6/9/2017 3:30:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	1470		200	LOD	400	LOQ	ug/L	J	StoE
COPPER	2.1	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD009-SW01-LF** ***Collected:*** **6/9/2017 3:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	149	J	50.0	LOD	200	LOQ	ug/L	J	RI, StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	14.4		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.12	J	0.25	LOD	1.0	LOQ	ug/L	R	RI, StoE, ProfJudg
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP66 **Laboratory: LLL**

EDD Filename: APP66-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD009-SW01-LF** ***Collected:*** **6/9/2017 3:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	2.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
IRON	1180		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.43	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3860		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	28.3		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	1330		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	22100		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.55	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	7.5	U	7.5	LOD	30.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD009-SW01-LF** ***Collected:*** **6/9/2017 3:45:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	3210		200	LOD	400	LOQ	ug/L	J	StoE
COPPER	1.6	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD010-SW01-LF** ***Collected:*** **6/9/2017 12:30:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	149	J	50.0	LOD	200	LOQ	ug/L	J	RI, StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	25.9		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CHROMIUM	2.2	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	1.6		0.50	LOD	1.0	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP66 **Laboratory: LLL**

EDD Filename: APP66-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD010-SW01-LF** ***Collected:*** **6/9/2017 12:30:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
IRON	966		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.54	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2670		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	62.5		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.3	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1360		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	21800		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.24	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	7.6	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD010-SW01-LF** ***Collected:*** **6/9/2017 12:30:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	2950		200	LOD	400	LOQ	ug/L	J	StoE
COPPER	2.3	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD011-SW01-LF** ***Collected:*** **6/10/2017 11:20:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	691		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	11.6		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CHROMIUM	2.3	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.85	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
IRON	1360		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	3.2		0.25	LOD	2.0	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP66 **Laboratory: LLL**

EDD Filename: APP66-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD011-SW01-LF** ***Collected:*** **6/10/2017 11:20:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MAGNESIUM	2910		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	54.0		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.7	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1100		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16000		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	2.2		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	41.9		7.5	LOD	30.0	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD011-SW01-LF** ***Collected:*** **6/10/2017 11:20:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	3220		200	LOD	400	LOQ	ug/L	J	StoE
COPPER	3.5	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD012-SW01-LF** ***Collected:*** **6/10/2017 11:00:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	750		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	0.92	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
BARIUM	12.9		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CHROMIUM	2.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.82	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
IRON	1380		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	3.4		0.25	LOD	2.0	LOQ	ug/L	J	StoE
MAGNESIUM	2840		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	53.2		2.0	LOD	4.0	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP66 **Laboratory: LLL**

EDD Filename: APP66-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD012-SW01-LF** ***Collected:*** **6/10/2017 11:00:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NICKEL	1.7	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1040		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	15800		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
ZINC	42.1		7.5	LOD	30.0	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD012-SW01-LF** ***Collected:*** **6/10/2017 11:00:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	3270		200	LOD	400	LOQ	ug/L	J	StoE
COPPER	3.6	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
VANADIUM	2.3		0.50	LOD	1.0	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD013-SW01-LF** ***Collected:*** **6/10/2017 10:45:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	709		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	12.8		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CHROMIUM	2.3	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.81	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
IRON	1370		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	3.2		0.25	LOD	2.0	LOQ	ug/L	J	StoE
MAGNESIUM	2770		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	53.8		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.7	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1000		200	LOD	400	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP66 **Laboratory: LLL**

EDD Filename: APP66-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD013-SW01-LF** ***Collected:*** **6/10/2017 10:45:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	15600		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	2.0		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	43.4		7.5	LOD	30.0	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD013-SW01-LF** ***Collected:*** **6/10/2017 10:45:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	3340		200	LOD	400	LOQ	ug/L	J	StoE
COPPER	2.9	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD014-SW01-LF** ***Collected:*** **6/9/2017 1:30:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	190	J	50.0	LOD	200	LOQ	ug/L	J	RI, StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	23.7		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CHROMIUM	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
IRON	706		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.26	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	4190		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	2.0	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	1.6	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1200		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP66 **Laboratory: LLL**

EDD Filename: APP66-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD014-SW01-LF** ***Collected:*** **6/9/2017 1:30:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	51800		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.45	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	6.5	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD014-SW01-LF** ***Collected:*** **6/9/2017 1:30:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	5890		200	LOD	400	LOQ	ug/L	J	StoE
COPPER	2.5	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD015-SW01-LF** ***Collected:*** **6/9/2017 1:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	197	J	50.0	LOD	200	LOQ	ug/L	J	RI, StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	25.4		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.082	J	0.25	LOD	1.0	LOQ	ug/L	R	RI, StoE, ProfJudg
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CHROMIUM	1.3	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
IRON	658		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.22	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	4170		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	1.9	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	1.7	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1230		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	52000		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP66 **Laboratory: LLL**

EDD Filename: APP66-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD015-SW01-LF** ***Collected:*** **6/9/2017 1:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
VANADIUM	0.51	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	6.9	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD015-SW01-LF** ***Collected:*** **6/9/2017 1:45:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	5850		200	LOD	400	LOQ	ug/L	J	StoE
COPPER	2.0	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD024-SW01-LF** ***Collected:*** **6/10/2017 8:40:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	561		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	33.8		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.12	J	0.25	LOD	1.0	LOQ	ug/L	R	RI, StoE, ProfJudg
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CHROMIUM	1.5	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.72	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
IRON	555		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.55	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2520		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	54.6		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.9	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1780		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	23100		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.75	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	15.9	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP66 **Laboratory: LLL**

EDD Filename: APP66-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD024-SW01-LF** ***Collected:*** **6/10/2017 8:40:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	2750		200	LOD	400	LOQ	ug/L	J	StoE
COPPER	2.8	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD025-SW01-LF** ***Collected:*** **6/10/2017 10:05:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	602		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	35.9		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.12	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CHROMIUM	1.4	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	1.2		0.50	LOD	1.0	LOQ	ug/L	J	StoE
IRON	705		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.63	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2620		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	90.0		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	2.0	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1860		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	24000		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.93	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	15.8	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD025-SW01-LF** ***Collected:*** **6/10/2017 10:05:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	2760		200	LOD	400	LOQ	ug/L	J	StoE
COPPER	3.0	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP66 **Laboratory: LLL**

EDD Filename: APP66-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD026-SW01-LF** ***Collected:*** **6/10/2017 9:15:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
ALUMINUM	560		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	35.1		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.13	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CHROMIUM	3.0	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	1.1		0.50	LOD	1.0	LOQ	ug/L	J	StoE
IRON	664		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.63	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2500		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	71.6		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	2.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1780		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	23300		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.85	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	17.8	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD026-SW01-LF** ***Collected:*** **6/10/2017 9:15:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
CALCIUM	2630		200	LOD	400	LOQ	ug/L	J	StoE
COPPER	3.2	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP66 **Laboratory: LLL**

EDD Filename: APP66-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Reason Code Legend

Reason Code	*Description*
Ld	Laboratory Duplicate Precision
Ms	Matrix Spike Lower Estimation
ProfJudg	Professional Judgment
RI	Reporting Limit Trace Value
StoE	Sampling to Extraction Estimation

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP66 **Laboratory: LLL**

EDD Filename: APP66-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: **6020A**
Matrix: **WATER**

QC Sample ID (Associated Samples)	*Compound*	*MS %R*	*MSD %R*	*%R Limits*	*RPD (Limits)*	*Affected Compounds*	*Flag*
CH-SWSD004-SW01-LFMS (Dissolved) CH-SWSD004-SW01-LFMSD (Dissolved) (CH-SWSD004-SW01-LF)	CALCIUM	84	82	87.00-118.00	-	CALCIUM	J- (all detects) UJ (all non-detects)

Project Name and Number: Camp Hero - Camp Hero

Lab Duplicate Outlier Report

Lab Reporting Batch ID: APP66 **Laboratory: LLL**

EDD Filename: APP66-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: 6020A
Matrix: WATER

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
CH-SWSD004-SW01-LFDUP (Dissolved) (CH-SWSD004-SW01-LF)	ALUMINUM	200	20.00	J (all detects) UJ (all non-detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP66 **Laboratory: LLL**

EDD Filename: APP66-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: **6020A**

Matrix: **WATER**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD004-SW01-LF	CHROMIUM	J	1.4	4.0	LOQ	ug/L	J (all detects)
	COPPER	J	1.6	4.0	LOQ	ug/L	
	IRON	J	54.8	200	LOQ	ug/L	
CH-SWSD005-SW01-LF	COPPER	J	1.2	4.0	LOQ	ug/L	J (all detects)
	IRON	J	55.2	200	LOQ	ug/L	
CH-SWSD006-SW01-LF	CHROMIUM	J	2.8	4.0	LOQ	ug/L	J (all detects)
	COPPER	J	1.4	4.0	LOQ	ug/L	
	IRON	J	64.0	200	LOQ	ug/L	
CH-SWSD007-SW01-LF	ALUMINUM	J	21.6	200	LOQ	ug/L	J (all detects)
	CHROMIUM	J	0.94	4.0	LOQ	ug/L	
	COPPER	J	0.95	4.0	LOQ	ug/L	
	IRON	J	62.6	200	LOQ	ug/L	
CH-SWSD008-SW01-LF	ALUMINUM	J	149	200	LOQ	ug/L	J (all detects)
	BERYLLIUM	J	0.081	1.0	LOQ	ug/L	
	CHROMIUM	J	1.1	4.0	LOQ	ug/L	
	COBALT	J	0.21	1.0	LOQ	ug/L	
	COPPER	J	2.1	4.0	LOQ	ug/L	
	LEAD	J	0.45	2.0	LOQ	ug/L	
	VANADIUM	J	0.22	1.0	LOQ	ug/L	
CH-SWSD009-SW01-LF	ALUMINUM	J	149	200	LOQ	ug/L	J (all detects)
	BERYLLIUM	J	0.12	1.0	LOQ	ug/L	
	CHROMIUM	J	2.1	4.0	LOQ	ug/L	
	COPPER	J	1.6	4.0	LOQ	ug/L	
	LEAD	J	0.43	2.0	LOQ	ug/L	
	VANADIUM	J	0.55	1.0	LOQ	ug/L	
CH-SWSD010-SW01-LF	ALUMINUM	J	149	200	LOQ	ug/L	J (all detects)
	CHROMIUM	J	2.2	4.0	LOQ	ug/L	
	COPPER	J	2.3	4.0	LOQ	ug/L	
	LEAD	J	0.54	2.0	LOQ	ug/L	
	NICKEL	J	1.3	4.0	LOQ	ug/L	
	VANADIUM	J	0.24	1.0	LOQ	ug/L	
	ZINC	J	7.6	30.0	LOQ	ug/L	
CH-SWSD011-SW01-LF	CHROMIUM	J	2.3	4.0	LOQ	ug/L	J (all detects)
	COBALT	J	0.85	1.0	LOQ	ug/L	
	COPPER	J	3.5	4.0	LOQ	ug/L	
	NICKEL	J	1.7	4.0	LOQ	ug/L	
CH-SWSD012-SW01-LF	ARSENIC	J	0.92	4.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	2.1	4.0	LOQ	ug/L	
	COBALT	J	0.82	1.0	LOQ	ug/L	
	COPPER	J	3.6	4.0	LOQ	ug/L	
	NICKEL	J	1.7	4.0	LOQ	ug/L	
CH-SWSD013-SW01-LF	CHROMIUM	J	2.3	4.0	LOQ	ug/L	J (all detects)
	COBALT	J	0.81	1.0	LOQ	ug/L	
	COPPER	J	2.9	4.0	LOQ	ug/L	
	NICKEL	J	1.7	4.0	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: APP66 **Laboratory: LLL**

EDD Filename: APP66-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: **6020A**

Matrix: **WATER**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD014-SW01-LF	ALUMINUM	J	190	200	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.1	4.0	LOQ	ug/L	
	COPPER	J	2.5	4.0	LOQ	ug/L	
	LEAD	J	0.26	2.0	LOQ	ug/L	
	MANGANESE	J	2.0	4.0	LOQ	ug/L	
	NICKEL	J	1.6	4.0	LOQ	ug/L	
	VANADIUM	J	0.45	1.0	LOQ	ug/L	
	ZINC	J	6.5	30.0	LOQ	ug/L	
CH-SWSD015-SW01-LF	ALUMINUM	J	197	200	LOQ	ug/L	J (all detects)
	BERYLLIUM	J	0.082	1.0	LOQ	ug/L	
	CHROMIUM	J	1.3	4.0	LOQ	ug/L	
	COPPER	J	2.0	4.0	LOQ	ug/L	
	LEAD	J	0.22	2.0	LOQ	ug/L	
	MANGANESE	J	1.9	4.0	LOQ	ug/L	
	NICKEL	J	1.7	4.0	LOQ	ug/L	
	VANADIUM	J	0.51	1.0	LOQ	ug/L	
	ZINC	J	6.9	30.0	LOQ	ug/L	
CH-SWSD024-SW01-LF	BERYLLIUM	J	0.12	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.5	4.0	LOQ	ug/L	
	COBALT	J	0.72	1.0	LOQ	ug/L	
	COPPER	J	2.8	4.0	LOQ	ug/L	
	LEAD	J	0.55	2.0	LOQ	ug/L	
	NICKEL	J	1.9	4.0	LOQ	ug/L	
	VANADIUM	J	0.75	1.0	LOQ	ug/L	
	ZINC	J	15.9	30.0	LOQ	ug/L	
CH-SWSD025-SW01-LF	BERYLLIUM	J	0.12	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.4	4.0	LOQ	ug/L	
	COPPER	J	3.0	4.0	LOQ	ug/L	
	LEAD	J	0.63	2.0	LOQ	ug/L	
	NICKEL	J	2.0	4.0	LOQ	ug/L	
	VANADIUM	J	0.93	1.0	LOQ	ug/L	
	ZINC	J	15.8	30.0	LOQ	ug/L	
CH-SWSD026-SW01-LF	BERYLLIUM	J	0.13	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	3.0	4.0	LOQ	ug/L	
	COPPER	J	3.2	4.0	LOQ	ug/L	
	LEAD	J	0.63	2.0	LOQ	ug/L	
	NICKEL	J	2.1	4.0	LOQ	ug/L	
	VANADIUM	J	0.85	1.0	LOQ	ug/L	
	ZINC	J	17.8	30.0	LOQ	ug/L	

Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page 1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.	
Laboratory SDG:	APP67 (data gap lab-filtered surface water samples)	
Date(s) of Collection:	June 2nd, 2017	
Number/Type Samples & Analyses:	13 surface water samples plus 2 MS/MSDs for a project-specific list of metals (lab filtered samples)	
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA	
Completed:	October 10th, 2017	

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for surface water data included in Sample Delivery Group (SDG) APP67. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017.

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✗ Holding times and sample preservation

✓ Laboratory method blank data

✓ Field rinsate blank data

NA Trip blank data

✓ Laboratory control sample (LCS) recoveries

✓ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✓ Surrogate recoveries

✓ Laboratory duplicate results

NA Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of "J" data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

At AECOM's request, the laboratory filtered the surface water samples through a 0.45 µm and analyzed for dissolved metals by 6020A. Since the filtration occurred after receipt in the laboratory, the recommended holding time criteria of 15-minutes was exceeded. The lab-filtered results are flagged "J" and "UJ" for detected and non-detected results, respectively indicating that the results are estimated values. If the original results were nondetects and the lab-filtered results were detected, the result will be rejected ("R" flag).

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The result is rejected and not usable. Original results were nondetects and the lab-filtered results were detected.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP67 **Laboratory: LLL**

EDD Filename: APP67-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Validation Area	*Note*
Technical Holding Times	SR
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	A
Surrogate/Tracer Spikes	N
Matrix Spike/Matrix Spike Duplicates	SR
Laboratory Duplicates	SR
Laboratory Replicates	N
Laboratory Control Samples	A
Compound Quantitation	SR
Field Duplicates	N
Field Triplicates	N
Field Blanks	N

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP67 **Laboratory: LLL**

EDD Filename: APP67-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: GENCHEM

Method: SM 2340B **Matrix:** WATER

Sample ID: CH-SWSD073-SW01-LF **Collected:** 6/2/2017 10:45:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	14300		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD074-SW01-F-LF **Collected:** 6/2/2017 11:20:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	15900		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD074-SW01-LF **Collected:** 6/2/2017 11:20:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	14900		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD106-SW01-F-LF **Collected:** 6/1/2017 2:00:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	34500		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD106-SW01-LF **Collected:** 6/1/2017 2:00:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	33100		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD107-SW01-F-LF **Collected:** 6/1/2017 1:45:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	33800		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD107-SW01-LF **Collected:** 6/1/2017 1:45:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	35600		200	LOD	400	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP67 **Laboratory: LLL**

EDD Filename: APP67-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: GENCHEM

Method: SM 2340B **Matrix: WATER**

Sample ID: CH-SWSD108-SW01-F-LF **Collected:** 6/1/2017 1:00:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	32400		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD108-SW01-LF **Collected:** 6/1/2017 1:00:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	36000		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD109-SW01-F-LF **Collected:** 6/1/2017 12:15:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	34400		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD109-SW01-LF **Collected:** 6/1/2017 12:15:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	31900		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD110-SW01-F-LF **Collected:** 6/1/2017 11:30:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	34600		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD110-SW01-LF **Collected:** 6/1/2017 11:30:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	32500		200	LOD	400	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP67 **Laboratory: LLL**

EDD Filename: APP67-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD073-SW01-LF** ***Collected:*** **6/2/2017 10:45:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	841		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	38.7		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.17	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	2530		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	1.4	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.64	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	2.6	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	86.7	J	100	LOD	200	LOQ	ug/L	J	RI, StoE
LEAD	0.59	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	1930		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	9.0		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.3	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	575		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	15600		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	2.3		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	19.5	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD074-SW01-F-LF** ***Collected:*** **6/2/2017 11:20:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	709		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	38.3		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.16	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP67 **Laboratory: LLL**

EDD Filename: APP67-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD074-SW01-F-LF** ***Collected:*** **6/2/2017 11:20:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	2960		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	1.3	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.58	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	2.9	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	82.0	J	100	LOD	200	LOQ	ug/L	J	RI, StoE
LEAD	0.53	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2080		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	8.1		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	590		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16600		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
ZINC	19.3	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD074-SW01-F-LF** ***Collected:*** **6/2/2017 11:20:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
VANADIUM	2.2		0.50	LOD	1.0	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD074-SW01-LF** ***Collected:*** **6/2/2017 11:20:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	692		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	34.6		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.17	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	2650		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	1.5	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP67 **Laboratory: LLL**

EDD Filename: APP67-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD074-SW01-LF** ***Collected:*** **6/2/2017 11:20:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
COBALT	0.45	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	2.4	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	81.2	J	100	LOD	200	LOQ	ug/L	J	RI, StoE
LEAD	0.48	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2020		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	9.1		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	606		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16300		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	2.5		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	15.2	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD106-SW01-F-LF** ***Collected:*** **6/1/2017 2:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
ALUMINUM	234		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	0.80	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
BARIUM	19.7		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.074	J	0.25	LOD	1.0	LOQ	ug/L	R	RI, StoE, ProfJudg
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	8430		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	1.1	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.21	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	2.8	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	443		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.30	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3270		25.0	LOD	200	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP67 **Laboratory: LLL**

EDD Filename: APP67-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD106-SW01-F-LF** ***Collected:*** **6/1/2017 2:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MANGANESE	22.9		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.6	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1330		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	15200		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.92	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	11.4	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD106-SW01-LF** ***Collected:*** **6/1/2017 2:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	248		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	8010		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.6	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	2.6	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	429		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.23	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3170		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	0.93	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	2.2	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1270		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	15000		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP67 **Laboratory: LLL**

EDD Filename: APP67-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD106-SW01-LF** ***Collected:*** **6/1/2017 2:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
VANADIUM	0.74	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	8.3	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD106-SW01-LF** ***Collected:*** **6/1/2017 2:00:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	18.6		2.0	LOD	4.0	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD107-SW01-F-LF** ***Collected:*** **6/1/2017 1:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	273		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	21.1		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	8210		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.9	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.16	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	3.0	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	601		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.29	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3240		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	21.0		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.8	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1250		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	15200		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.0		0.50	LOD	1.0	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP67 **Laboratory: LLL**

EDD Filename: APP67-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD107-SW01-F-LF** ***Collected:*** **6/1/2017 1:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ZINC	11.1	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD107-SW01-LF** ***Collected:*** **6/1/2017 1:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	251		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	0.77	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
BARIUM	18.2		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	8640		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.8	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	3.0	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	628		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.25	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3400		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	1.3	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	2.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1340		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16100		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.97	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	9.4	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD108-SW01-F-LF** ***Collected:*** **6/1/2017 1:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	267		50.0	LOD	200	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP67 **Laboratory: LLL**

EDD Filename: APP67-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD108-SW01-F-LF** ***Collected:*** **6/1/2017 1:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	0.96	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
BARIUM	19.9		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.073	J	0.25	LOD	1.0	LOQ	ug/L	R	RI, StoE, ProfJudg
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	7780		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.8	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.53	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	2.8	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	494		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.56	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3150		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	55.2		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.7	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1160		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	14600		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.78	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	10.5	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD108-SW01-LF** ***Collected:*** **6/1/2017 1:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	275		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	0.95	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
BARIUM	18.5		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.084	J	0.25	LOD	1.0	LOQ	ug/L	R	RI, StoE, ProfJudg
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP67 **Laboratory: LLL**

EDD Filename: APP67-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD108-SW01-LF** ***Collected:*** **6/1/2017 1:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	8780		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.9	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	3.1	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	475		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.29	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3420		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	1.7	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	1.5	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1370		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16200		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.1		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	10.1	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD109-SW01-F-LF** ***Collected:*** **6/1/2017 12:15:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	267		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	0.91	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
BARIUM	19.2		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.091	J	0.25	LOD	1.0	LOQ	ug/L	R	RI, StoE, ProfJudg
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	8190		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	1.5	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	1.1		0.50	LOD	1.0	LOQ	ug/L	J	StoE
COPPER	2.3	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	695		100	LOD	200	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP67 **Laboratory: LLL**

EDD Filename: APP67-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD109-SW01-F-LF** ***Collected:*** **6/1/2017 12:15:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
LEAD	0.62	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3380		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	63.5		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	2.0	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1310		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	15900		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.1		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	10.6	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD109-SW01-LF** ***Collected:*** **6/1/2017 12:15:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
ALUMINUM	258		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	0.87	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
BARIUM	20.3		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.084	J	0.25	LOD	1.0	LOQ	ug/L	R	RI, StoE, ProfJudg
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	7590		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	2.7	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	560		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.30	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3140		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	1.3	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	2.2	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1180		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP67 **Laboratory: LLL**

EDD Filename: APP67-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD109-SW01-LF** ***Collected:*** **6/1/2017 12:15:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	14800		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.69	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	9.3	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD110-SW01-F-LF** ***Collected:*** **6/1/2017 11:30:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	322		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	0.99	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
BARIUM	16.4		2.0	LOD	4.0	LOQ	ug/L	J	Ld, StoE
BERYLLIUM	0.091	J	0.25	LOD	1.0	LOQ	ug/L	R	RI, StoE, ProfJudg
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	Ms, StoE
CALCIUM	8250		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.2	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	1.4		0.50	LOD	1.0	LOQ	ug/L	J	StoE
COPPER	2.6	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	567		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.66	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3410		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	72.0		2.0	LOD	4.0	LOQ	ug/L	J	Ms, StoE
NICKEL	2.2	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1410		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16500		100	LOD	400	LOQ	ug/L	J	StoE
VANADIUM	1.1		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	9.1	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP67 **Laboratory: LLL**

EDD Filename: APP67-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD110-SW01-F-LF** ***Collected:*** **6/1/2017 11:30:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD110-SW01-LF** ***Collected:*** **6/1/2017 11:30:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
ALUMINUM	267		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl, Ld, StoE
BARIUM	17.3		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.10	J	0.25	LOD	1.0	LOQ	ug/L	J	Rl, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	7820		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.5	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl, StoE
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	3.2	J	1.0	LOD	4.0	LOQ	ug/L	J	Rl, StoE
IRON	575		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.47	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl, StoE
MAGNESIUM	3160		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	1.7	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl, Ld, StoE
NICKEL	2.4	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl, Ld, StoE
POTASSIUM	1190		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	15000		100	LOD	400	LOQ	ug/L	J	Ms, StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.0		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	9.7	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP67 **Laboratory: LLL**

EDD Filename: APP67-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Reason Code Legend

Reason Code	*Description*
Ld	Laboratory Duplicate Precision
Ms	Matrix Spike Lower Estimation
Ms	Matrix Spike Precision
ProfJudg	Professional Judgment
RI	Reporting Limit Trace Value
StoE	Sampling to Extraction Estimation

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP67 **Laboratory: LLL**

EDD Filename: APP67-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: **6020A**
Matrix: **WATER**

QC Sample ID (Associated Samples)	*Compound*	*MS %R*	*MSD %R*	*%R Limits*	*RPD (Limits)*	*Affected Compounds*	*Flag*
CH-SWSD110-SW01-LFMSD (Dissolved) (CH-SWSD110-SW01-LF)	SODIUM	-	84	85.00-117.00	-	SODIUM	J- (all detects) UJ (all non-detects)
CH-SWSD110-SW01-F-LFMSD (Dissolved) (CH-SWSD110-SW01-F-LF)	CADMIUM	-	-	87.00-115.00	22 (20.00)	CADMIUM	J(all detects) UJ(all non-detects)
CH-SWSD110-SW01-F-LFMS (Dissolved) CH-SWSD110-SW01-F-LFMSD (Dissolved) (CH-SWSD110-SW01-F-LF)	MANGANESE	-41	-27	87.00-115.00	-	MANGANESE	J-(all detects) UJ(all non-detects)

Lab Duplicate Outlier Report

Lab Reporting Batch ID: APP67 **Laboratory: LLL**

EDD Filename: APP67-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: 6020A
Matrix: WATER

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
CH-SWSD110-SW01-F-LFDUP (Dissolved) (CH-SWSD110-SW01-F-LF)	BARIUM	22	20.00	J (all detects) UJ (all non-detects)
CH-SWSD110-SW01-LFDUP (Dissolved) (CH-SWSD110-SW01-LF)	ARSENIC MANGANESE NICKEL	42 48 23	20.00 20.00 20.00	J(all detects) UJ(all non-detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP67 **Laboratory: LLL**

EDD Filename: APP67-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: **6020A**

Matrix: **WATER**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD073-SW01-LF	BERYLLIUM	J	0.17	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.4	4.0	LOQ	ug/L	
	COBALT	J	0.64	1.0	LOQ	ug/L	
	COPPER	J	2.6	4.0	LOQ	ug/L	
	IRON	J	86.7	200	LOQ	ug/L	
	LEAD	J	0.59	2.0	LOQ	ug/L	
	NICKEL	J	1.3	4.0	LOQ	ug/L	
	ZINC	J	19.5	30.0	LOQ	ug/L	
CH-SWSD074-SW01-F-LF	BERYLLIUM	J	0.16	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.3	4.0	LOQ	ug/L	
	COBALT	J	0.58	1.0	LOQ	ug/L	
	COPPER	J	2.9	4.0	LOQ	ug/L	
	IRON	J	82.0	200	LOQ	ug/L	
	LEAD	J	0.53	2.0	LOQ	ug/L	
	NICKEL	J	1.1	4.0	LOQ	ug/L	
	ZINC	J	19.3	30.0	LOQ	ug/L	
CH-SWSD074-SW01-LF	BERYLLIUM	J	0.17	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.5	4.0	LOQ	ug/L	
	COBALT	J	0.45	1.0	LOQ	ug/L	
	COPPER	J	2.4	4.0	LOQ	ug/L	
	IRON	J	81.2	200	LOQ	ug/L	
	LEAD	J	0.48	2.0	LOQ	ug/L	
	NICKEL	J	1.1	4.0	LOQ	ug/L	
	ZINC	J	15.2	30.0	LOQ	ug/L	
CH-SWSD106-SW01-F-LF	ARSENIC	J	0.80	4.0	LOQ	ug/L	J (all detects)
	BERYLLIUM	J	0.074	1.0	LOQ	ug/L	
	CHROMIUM	J	1.1	4.0	LOQ	ug/L	
	COBALT	J	0.21	1.0	LOQ	ug/L	
	COPPER	J	2.8	4.0	LOQ	ug/L	
	LEAD	J	0.30	2.0	LOQ	ug/L	
	NICKEL	J	1.6	4.0	LOQ	ug/L	
	VANADIUM	J	0.92	1.0	LOQ	ug/L	
	ZINC	J	11.4	30.0	LOQ	ug/L	
CH-SWSD106-SW01-LF	CHROMIUM	J	2.6	4.0	LOQ	ug/L	J (all detects)
	COPPER	J	2.6	4.0	LOQ	ug/L	
	LEAD	J	0.23	2.0	LOQ	ug/L	
	MANGANESE	J	0.93	4.0	LOQ	ug/L	
	NICKEL	J	2.2	4.0	LOQ	ug/L	
	VANADIUM	J	0.74	1.0	LOQ	ug/L	
	ZINC	J	8.3	30.0	LOQ	ug/L	
CH-SWSD107-SW01-F-LF	CHROMIUM	J	2.9	4.0	LOQ	ug/L	J (all detects)
	COBALT	J	0.16	1.0	LOQ	ug/L	
	COPPER	J	3.0	4.0	LOQ	ug/L	
	LEAD	J	0.29	2.0	LOQ	ug/L	
	NICKEL	J	1.8	4.0	LOQ	ug/L	
	ZINC	J	11.1	30.0	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: APP67 **Laboratory: LLL**

EDD Filename: APP67-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: **6020A**

Matrix: **WATER**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD107-SW01-LF	ARSENIC	J	0.77	4.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	2.8	4.0	LOQ	ug/L	
	COPPER	J	3.0	4.0	LOQ	ug/L	
	LEAD	J	0.25	2.0	LOQ	ug/L	
	MANGANESE	J	1.3	4.0	LOQ	ug/L	
	NICKEL	J	2.1	4.0	LOQ	ug/L	
	VANADIUM	J	0.97	1.0	LOQ	ug/L	
	ZINC	J	9.4	30.0	LOQ	ug/L	
CH-SWSD108-SW01-F-LF	ARSENIC	J	0.96	4.0	LOQ	ug/L	J (all detects)
	BERYLLIUM	J	0.073	1.0	LOQ	ug/L	
	CHROMIUM	J	2.8	4.0	LOQ	ug/L	
	COBALT	J	0.53	1.0	LOQ	ug/L	
	COPPER	J	2.8	4.0	LOQ	ug/L	
	LEAD	J	0.56	2.0	LOQ	ug/L	
	NICKEL	J	1.7	4.0	LOQ	ug/L	
	VANADIUM	J	0.78	1.0	LOQ	ug/L	
	ZINC	J	10.5	30.0	LOQ	ug/L	
CH-SWSD108-SW01-LF	ARSENIC	J	0.95	4.0	LOQ	ug/L	J (all detects)
	BERYLLIUM	J	0.084	1.0	LOQ	ug/L	
	CHROMIUM	J	2.9	4.0	LOQ	ug/L	
	COPPER	J	3.1	4.0	LOQ	ug/L	
	LEAD	J	0.29	2.0	LOQ	ug/L	
	MANGANESE	J	1.7	4.0	LOQ	ug/L	
	NICKEL	J	1.5	4.0	LOQ	ug/L	
	ZINC	J	10.1	30.0	LOQ	ug/L	
CH-SWSD109-SW01-F-LF	ARSENIC	J	0.91	4.0	LOQ	ug/L	J (all detects)
	BERYLLIUM	J	0.091	1.0	LOQ	ug/L	
	CHROMIUM	J	1.5	4.0	LOQ	ug/L	
	COPPER	J	2.3	4.0	LOQ	ug/L	
	LEAD	J	0.62	2.0	LOQ	ug/L	
	NICKEL	J	2.0	4.0	LOQ	ug/L	
	ZINC	J	10.6	30.0	LOQ	ug/L	
CH-SWSD109-SW01-LF	ARSENIC	J	0.87	4.0	LOQ	ug/L	J (all detects)
	BERYLLIUM	J	0.084	1.0	LOQ	ug/L	
	CHROMIUM	J	2.1	4.0	LOQ	ug/L	
	COPPER	J	2.7	4.0	LOQ	ug/L	
	LEAD	J	0.30	2.0	LOQ	ug/L	
	MANGANESE	J	1.3	4.0	LOQ	ug/L	
	NICKEL	J	2.2	4.0	LOQ	ug/L	
	VANADIUM	J	0.69	1.0	LOQ	ug/L	
	ZINC	J	9.3	30.0	LOQ	ug/L	
CH-SWSD110-SW01-F-LF	ARSENIC	J	0.99	4.0	LOQ	ug/L	J (all detects)
	BERYLLIUM	J	0.091	1.0	LOQ	ug/L	
	CHROMIUM	J	2.2	4.0	LOQ	ug/L	
	COPPER	J	2.6	4.0	LOQ	ug/L	
	LEAD	J	0.66	2.0	LOQ	ug/L	
	NICKEL	J	2.2	4.0	LOQ	ug/L	
	ZINC	J	9.1	30.0	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: APP67 **Laboratory: LLL**

EDD Filename: APP67-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: **6020A**

Matrix: **WATER**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD110-SW01-LF	ARSENIC	J	1.1	4.0	LOQ	ug/L	J (all detects)
	BERYLLIUM	J	0.10	1.0	LOQ	ug/L	
	CHROMIUM	J	2.5	4.0	LOQ	ug/L	
	COPPER	J	3.2	4.0	LOQ	ug/L	
	LEAD	J	0.47	2.0	LOQ	ug/L	
	MANGANESE	J	1.7	4.0	LOQ	ug/L	
	NICKEL	J	2.4	4.0	LOQ	ug/L	
	ZINC	J	9.7	30.0	LOQ	ug/L	

Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page 1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.	
Laboratory SDG:	APP68 (data gap lab-filtered surface water samples)	
Date(s) of Collection:	June 1th, 2017	
Number/Type Samples & Analyses:	14 surface water samples plus 2 field duplicates for a project-specific list of metals (lab filtered samples)	
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA	
Completed:	October 9th, 2017	

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for surface water data included in Sample Delivery Group (SDG) APP68. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017.

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✗ Holding times and sample preservation

✓ Laboratory method blank data

✓ Field rinsate blank data

NA Trip blank data

✓ Laboratory control sample (LCS) recoveries

✓ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✓ Surrogate recoveries

✓ Laboratory duplicate results

NA Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of "J" data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

At AECOM's request, the laboratory filtered the surface water samples through a 0.45 µm and analyzed for dissolved metals by 6020A. Since the filtration occurred after receipt in the laboratory, the recommended holding time criteria of 15-minutes was exceeded. The lab-filtered results are flagged "J" and "UJ" for detected and non-detected results, respectively indicating that the results are estimated values. If the original results were nondetects and the lab-filtered results were detected, the result will be rejected ("R" flag).

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The result is rejected and not usable. Original results were nondetects and the lab-filtered results were detected.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP68 **Laboratory: LLL**

EDD Filename: APP68-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Validation Area	*Note*
Technical Holding Times	SR
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	SR
Surrogate/Tracer Spikes	N
Matrix Spike/Matrix Spike Duplicates	SR
Laboratory Duplicates	SR
Laboratory Replicates	N
Laboratory Control Samples	A
Compound Quantitation	SR
Field Duplicates	A
Field Triplicates	N
Field Blanks	N

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP68 **Laboratory: LLL**

EDD Filename: APP68-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **GENCHEM**

Method: **SM 2340B** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD067-SW01-F-LF** ***Collected:*** **6/2/2017 9:10:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	18500		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD067-SW01-LF** ***Collected:*** **6/2/2017 9:10:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	18600		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD068-SW01-LF** ***Collected:*** **6/2/2017 9:25:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	17500		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD075-SW01-LF** ***Collected:*** **6/2/2017 11:45:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	14400		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD101-SW01-F-LF** ***Collected:*** **6/1/2017 2:20:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	34300		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD101-SW01-LF** ***Collected:*** **6/1/2017 2:20:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	32900		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD102-SW01-F-LF** ***Collected:*** **6/1/2017 3:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	34800		200	LOD	400	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP68 **Laboratory: LLL**

EDD Filename: APP68-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **GENCHEM**

Method: **SM 2340B** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD102-SW01-LF** ***Collected:*** **6/1/2017 3:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	34900		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD103-SW01-F-LF** ***Collected:*** **6/1/2017 3:30:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	34800		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD103-SW01-LF** ***Collected:*** **6/1/2017 3:30:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	32900		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD104-SW01-F-LF** ***Collected:*** **6/1/2017 3:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	31000		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD104-SW01-LF** ***Collected:*** **6/1/2017 3:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	29500		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD105-SW01D-F-LF** ***Collected:*** **6/1/2017 4:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	35300		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD105-SW01D-LF** ***Collected:*** **6/1/2017 4:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	34500		200	LOD	400	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP68 **Laboratory: LLL**

EDD Filename: APP68-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: GENCHEM

Method: SM 2340B **Matrix: WATER**

Sample ID: CH-SWSD105-SW01-F-LF **Collected:** 6/1/2017 4:00:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	34900		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD105-SW01-LF **Collected:** 6/1/2017 4:00:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	32500		200	LOD	400	LOQ	ug/L	J	StoE

Method Category: METALS

Method: 6020A **Matrix: WATER**

Sample ID: CH-SWSD067-SW01-F-LF **Collected:** 6/2/2017 9:10:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	481		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	4450		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	1.8	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.41	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	3.5	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	258		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	1.6	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	1780		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	19.1		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	15900		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.4		0.50	LOD	1.0	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP68 **Laboratory: LLL**

EDD Filename: APP68-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD067-SW01-F-LF** ***Collected:*** **6/2/2017 9:10:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ZINC	13.6	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD067-SW01-F-LF** ***Collected:*** **6/2/2017 9:10:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	15.4		2.0	LOD	4.0	LOQ	ug/L	J	StoE
POTASSIUM	592		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD067-SW01-LF** ***Collected:*** **6/2/2017 9:10:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	452		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	4550		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.6	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.44	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	3.4	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	303		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	1.6	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	1770		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	20.7		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.0	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16000		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.0		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	14.7	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP68 **Laboratory: LLL**

EDD Filename: APP68-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD067-SW01-LF** ***Collected:*** **6/2/2017 9:10:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	17.7		2.0	LOD	4.0	LOQ	ug/L	J	StoE
POTASSIUM	655		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD068-SW01-LF** ***Collected:*** **6/2/2017 9:25:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	1020		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.22	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	3540		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	1.9	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	1.0		0.50	LOD	1.0	LOQ	ug/L	J	StoE
COPPER	7.8		1.0	LOD	4.0	LOQ	ug/L	J	StoE
IRON	195	J	100	LOD	200	LOQ	ug/L	J	RI, StoE
LEAD	4.8		0.25	LOD	2.0	LOQ	ug/L	J	StoE
MAGNESIUM	2110		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	20.5		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	2.4	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	17600		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	2.7		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	32.3		7.5	LOD	30.0	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD068-SW01-LF** ***Collected:*** **6/2/2017 9:25:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	40.8		2.0	LOD	4.0	LOQ	ug/L	J	StoE
POTASSIUM	764		200	LOD	400	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP68 **Laboratory: LLL**

EDD Filename: APP68-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD075-SW01-LF** ***Collected:*** **6/2/2017 11:45:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	678		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.17	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	2310		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	1.6	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.70	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	2.6	J	1.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
IRON	84.4	J	100	LOD	200	LOQ	ug/L	J	RI, StoE
LEAD	0.47	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2110		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	8.6		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.2	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	17300		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	2.2		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	16.5	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD075-SW01-LF** ***Collected:*** **6/2/2017 11:45:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	35.9		2.0	LOD	4.0	LOQ	ug/L	J	StoE
POTASSIUM	617		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD101-SW01-F-LF** ***Collected:*** **6/1/2017 2:20:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	192	J	50.0	LOD	200	LOQ	ug/L	J	RI, StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP68 **Laboratory: LLL**

EDD Filename: APP68-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD101-SW01-F-LF** ***Collected:*** **6/1/2017 2:20:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	7500		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.9	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	3.1	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	449		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.25	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3780		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	1.2	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	2.2	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	18200		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.61	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	5.6	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD101-SW01-F-LF** ***Collected:*** **6/1/2017 2:20:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	20.3		2.0	LOD	4.0	LOQ	ug/L	J	StoE
POTASSIUM	1520		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD101-SW01-LF** ***Collected:*** **6/1/2017 2:20:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	180	J	50.0	LOD	200	LOQ	ug/L	J	RI, StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP68 **Laboratory: LLL**

EDD Filename: APP68-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD101-SW01-LF** ***Collected:*** **6/1/2017 2:20:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	6900		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	0.95	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	2.6	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	495		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.27	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3800		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	1.6	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	1.8	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	17800		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.79	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	8.5	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD101-SW01-LF** ***Collected:*** **6/1/2017 2:20:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	23.3		2.0	LOD	4.0	LOQ	ug/L	J	StoE
POTASSIUM	1590		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD102-SW01-F-LF** ***Collected:*** **6/1/2017 3:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	202		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	7760		200	LOD	400	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP68 **Laboratory: LLL**

EDD Filename: APP68-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD102-SW01-F-LF** ***Collected:*** **6/1/2017 3:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	2.8	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	2.3	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	522		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.23	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3760		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	3.5	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	1.9	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	18100		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.70	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	5.6	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD102-SW01-F-LF** ***Collected:*** **6/1/2017 3:00:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	23.5		2.0	LOD	4.0	LOQ	ug/L	J	StoE
POTASSIUM	1600		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD102-SW01-LF** ***Collected:*** **6/1/2017 3:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	7700		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	1.9	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	3.2	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP68 **Laboratory: LLL**

EDD Filename: APP68-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD102-SW01-LF** ***Collected:*** **6/1/2017 3:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
IRON	497		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.22	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3800		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	4.0	J	2.0	LOD	4.0	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	18000		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.75	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	19.1	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD102-SW01-LF** ***Collected:*** **6/1/2017 3:00:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	217		50.0	LOD	200	LOQ	ug/L	J	StoE
BARIUM	22.6		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.8	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1540		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD103-SW01-F-LF** ***Collected:*** **6/1/2017 3:30:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	7830		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.4	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	3.1	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	780		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.15	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP68 **Laboratory: LLL**

EDD Filename: APP68-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD103-SW01-F-LF** ***Collected:*** **6/1/2017 3:30:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MAGNESIUM	3690		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	2.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	1.6	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	18700		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.76	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	5.0	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD103-SW01-F-LF** ***Collected:*** **6/1/2017 3:30:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	232		50.0	LOD	200	LOQ	ug/L	J	StoE
BARIUM	22.3		2.0	LOD	4.0	LOQ	ug/L	J	StoE
POTASSIUM	1480		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD103-SW01-LF** ***Collected:*** **6/1/2017 3:30:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	7140		200	LOD	400	LOQ	ug/L	J	Ms, StoE
CHROMIUM	2.3	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.20	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	2.9	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	713		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.21	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, Ld, StoE
MAGNESIUM	3660		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	1.7	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, Ms, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP68 **Laboratory: LLL**

EDD Filename: APP68-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD103-SW01-LF** ***Collected:*** **6/1/2017 3:30:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NICKEL	1.7	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	18300		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.92	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, Ld, StoE
ZINC	5.8	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD103-SW01-LF** ***Collected:*** **6/1/2017 3:30:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	252		50.0	LOD	200	LOQ	ug/L	J	StoE
BARIUM	20.9		2.0	LOD	4.0	LOQ	ug/L	J	StoE
POTASSIUM	1460		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD104-SW01-F-LF** ***Collected:*** **6/1/2017 3:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	227		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	6980		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.1	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	5.2		1.0	LOD	4.0	LOQ	ug/L	J	StoE
IRON	227		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.43	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3290		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	20.7		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.9	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP68 **Laboratory: LLL**

EDD Filename: APP68-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD104-SW01-F-LF** ***Collected:*** **6/1/2017 3:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	17600		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.0	J	0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	10.6	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD104-SW01-F-LF** ***Collected:*** **6/1/2017 3:45:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	16.9		2.0	LOD	4.0	LOQ	ug/L	J	StoE
POTASSIUM	1380		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD104-SW01-LF** ***Collected:*** **6/1/2017 3:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	255		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	6620		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.8	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	2.6	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	301		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.47	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3160		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	2.5	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP68 **Laboratory: LLL**

EDD Filename: APP68-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD104-SW01-LF** ***Collected:*** **6/1/2017 3:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	17000		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.66	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	6.3	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD104-SW01-LF** ***Collected:*** **6/1/2017 3:45:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	17.5		2.0	LOD	4.0	LOQ	ug/L	J	StoE
POTASSIUM	1330		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD105-SW01D-F-LF** ***Collected:*** **6/1/2017 4:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	160	J	50.0	LOD	200	LOQ	ug/L	J	RI, StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	8210		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	1.5	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	3.0	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	165	J	100	LOD	200	LOQ	ug/L	J	RI, StoE
LEAD	0.41	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3600		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	3.9	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16600		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP68 **Laboratory: LLL**

EDD Filename: APP68-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD105-SW01D-F-LF** ***Collected:*** **6/1/2017 4:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
VANADIUM	1.1		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	4.7	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD105-SW01D-F-LF** ***Collected:*** **6/1/2017 4:00:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	14.5		2.0	LOD	4.0	LOQ	ug/L	J	StoE
POTASSIUM	1210		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD105-SW01D-LF** ***Collected:*** **6/1/2017 4:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	158	J	50.0	LOD	200	LOQ	ug/L	J	RI, StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	7780		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	3.3	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	3.0	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	229		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.31	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3650		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	1.2	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16800		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.85	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	4.4	J	7.5	LOD	30.0	LOQ	ug/L	R	RI, StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP68 **Laboratory: LLL**

EDD Filename: APP68-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD105-SW01D-LF** ***Collected:*** **6/1/2017 4:00:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	15.0		2.0	LOD	4.0	LOQ	ug/L	J	StoE
POTASSIUM	1180		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD105-SW01-F-LF** ***Collected:*** **6/1/2017 4:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	134	J	50.0	LOD	200	LOQ	ug/L	J	RI, StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	8130		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	3.0	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	2.6	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	190	J	100	LOD	200	LOQ	ug/L	J	RI, StoE
LEAD	0.42	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3550		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	4.6		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16700		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.2		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	4.5	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD105-SW01-F-LF** ***Collected:*** **6/1/2017 4:00:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	14.5		2.0	LOD	4.0	LOQ	ug/L	J	StoE
POTASSIUM	1120		200	LOD	400	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP68 **Laboratory: LLL**

EDD Filename: APP68-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD105-SW01-LF** ***Collected:*** **6/1/2017 4:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	143	J	50.0	LOD	200	LOQ	ug/L	J	RI, StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	7320		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	3.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	2.4	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	188	J	100	LOD	200	LOQ	ug/L	J	RI, StoE
LEAD	0.40	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3440		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	15800		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.86	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	4.0	J	7.5	LOD	30.0	LOQ	ug/L	R	RI, StoE, ProfJudg

Sample ID: **CH-SWSD105-SW01-LF** ***Collected:*** **6/1/2017 4:00:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	14.1		2.0	LOD	4.0	LOQ	ug/L	J	StoE
POTASSIUM	1110		200	LOD	400	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP68 **Laboratory: LLL**

EDD Filename: APP68-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Reason Code Legend

Reason Code	*Description*
Ld	Laboratory Duplicate Precision
Mb	Method Blank Contamination
Ms	Matrix Spike Upper Estimation
ProfJudg	Professional Judgment
RI	Reporting Limit Trace Value
StoE	Sampling to Extraction Estimation

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP68 **Laboratory: LLL**

EDD Filename: APP68-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: **6020A**
Matrix: **WATER**

QC Sample ID (Associated Samples)	*Compound*	*MS %R*	*MSD %R*	*%R Limits*	*RPD (Limits)*	*Affected Compounds*	*Flag*
CH-SWSD103-SW01-LFMS (Dissolved) CH-SWSD103-SW01-LFMSD (Dissolved) (CH-SWSD103-SW01-LF)	ARSENIC CALCIUM MANGANESE	- - 117	120 134 -	84.00-116.00 87.00-118.00 87.00-115.00	- - -	ARSENIC CALCIUM MANGANESE	J+ (all detects)

Project Name and Number: Camp Hero - Camp Hero

Lab Duplicate Outlier Report

Lab Reporting Batch ID: APP68 **Laboratory: LLL**

EDD Filename: APP68-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: 6020A
Matrix: WATER

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
CH-SWSD103-SW01-LFDUP (Dissolved) (CH-SWSD103-SW01-LF)	LEAD VANADIUM	25 29	20.00 20.00	J (all detects) UJ (all non-detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: APP68 **Laboratory: LLL**

EDD Filename: APP68-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: 6020A
Matrix: WATER

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD105-SW01-F-LF (Dissolved)	CH-SWSD105-SW01D-F-LF (Dissolved)			
ALUMINUM	134	160	18	30.00	
BARIUM	14.5	14.5	0	30.00	
CALCIUM	8130	8210	1	30.00	
CHROMIUM	3.0	1.5	67	30.00	
COPPER	2.6	3.0	14	30.00	
IRON	190	165	14	30.00	
LEAD	0.42	0.41	2	30.00	No Qualifiers Applied
MAGNESIUM	3550	3600	1	30.00	
MANGANESE	4.6	3.9	16	30.00	
POTASSIUM	1120	1210	8	30.00	
SODIUM	16700	16600	1	30.00	
VANADIUM	1.2	1.1	9	30.00	
ZINC	4.5	4.7	4	30.00	

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD105-SW01-LF (Dissolved)	CH-SWSD105-SW01D-LF (Dissolved)			
ALUMINUM	143	158	10	30.00	
BARIUM	14.1	15.0	6	30.00	
CALCIUM	7320	7780	6	30.00	
CHROMIUM	3.1	3.3	6	30.00	
COPPER	2.4	3.0	22	30.00	
IRON	188	229	20	30.00	
LEAD	0.40	0.31	25	30.00	No Qualifiers Applied
MAGNESIUM	3440	3650	6	30.00	
MANGANESE	4.0 U	1.2	200	30.00	
POTASSIUM	1110	1180	6	30.00	
SODIUM	15800	16800	6	30.00	
VANADIUM	0.86	0.85	1	30.00	
ZINC	4.0	4.4	10	30.00	

Method: SM 2340B
Matrix: WATER

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD105-SW01-F-LF	CH-SWSD105-SW01D-F-LF			
HARDNESS (AS CACO3)	34900	35300	1	30.00	No Qualifiers Applied

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD105-SW01-LF	CH-SWSD105-SW01D-LF			
HARDNESS (AS CACO3)	32500	34500	6	30.00	No Qualifiers Applied

Project Name and Number: Camp Hero - Camp Hero

Reporting Limit Outliers

Lab Reporting Batch ID: APP68 **Laboratory: LLL**

EDD Filename: APP68-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: **6020A**

Matrix: **WATER**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD067-SW01-F-LF	CHROMIUM	J	1.8	4.0	LOQ	ug/L	J (all detects)
	COBALT	J	0.41	1.0	LOQ	ug/L	
	COPPER	J	3.5	4.0	LOQ	ug/L	
	LEAD	J	1.6	2.0	LOQ	ug/L	
	NICKEL	J	1.1	4.0	LOQ	ug/L	
	ZINC	J	13.6	30.0	LOQ	ug/L	
CH-SWSD067-SW01-LF	CHROMIUM	J	2.6	4.0	LOQ	ug/L	J (all detects)
	COBALT	J	0.44	1.0	LOQ	ug/L	
	COPPER	J	3.4	4.0	LOQ	ug/L	
	LEAD	J	1.6	2.0	LOQ	ug/L	
	NICKEL	J	1.0	4.0	LOQ	ug/L	
	ZINC	J	14.7	30.0	LOQ	ug/L	
CH-SWSD068-SW01-LF	BERYLLIUM	J	0.22	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.9	4.0	LOQ	ug/L	
	IRON	J	195	200	LOQ	ug/L	
	NICKEL	J	2.4	4.0	LOQ	ug/L	
CH-SWSD075-SW01-LF	BERYLLIUM	J	0.17	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.6	4.0	LOQ	ug/L	
	COBALT	J	0.70	1.0	LOQ	ug/L	
	COPPER	J	2.6	4.0	LOQ	ug/L	
	IRON	J	84.4	200	LOQ	ug/L	
	LEAD	J	0.47	2.0	LOQ	ug/L	
	NICKEL	J	1.2	4.0	LOQ	ug/L	
	ZINC	J	16.5	30.0	LOQ	ug/L	
CH-SWSD101-SW01-F-LF	ALUMINUM	J	192	200	LOQ	ug/L	J (all detects)
	CHROMIUM	J	2.9	4.0	LOQ	ug/L	
	COPPER	J	3.1	4.0	LOQ	ug/L	
	LEAD	J	0.25	2.0	LOQ	ug/L	
	MANGANESE	J	1.2	4.0	LOQ	ug/L	
	NICKEL	J	2.2	4.0	LOQ	ug/L	
	VANADIUM	J	0.61	1.0	LOQ	ug/L	
	ZINC	J	5.6	30.0	LOQ	ug/L	
CH-SWSD101-SW01-LF	ALUMINUM	J	180	200	LOQ	ug/L	J (all detects)
	CHROMIUM	J	0.95	4.0	LOQ	ug/L	
	COPPER	J	2.6	4.0	LOQ	ug/L	
	LEAD	J	0.27	2.0	LOQ	ug/L	
	MANGANESE	J	1.6	4.0	LOQ	ug/L	
	NICKEL	J	1.8	4.0	LOQ	ug/L	
	VANADIUM	J	0.79	1.0	LOQ	ug/L	
	ZINC	J	8.5	30.0	LOQ	ug/L	
CH-SWSD102-SW01-F-LF	CHROMIUM	J	2.8	4.0	LOQ	ug/L	J (all detects)
	COPPER	J	2.3	4.0	LOQ	ug/L	
	LEAD	J	0.23	2.0	LOQ	ug/L	
	MANGANESE	J	3.5	4.0	LOQ	ug/L	
	NICKEL	J	1.9	4.0	LOQ	ug/L	
	VANADIUM	J	0.70	1.0	LOQ	ug/L	
	ZINC	J	5.6	30.0	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: APP68 **Laboratory: LLL**

EDD Filename: APP68-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: **6020A**

Matrix: **WATER**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD102-SW01-LF	CHROMIUM	J	1.9	4.0	LOQ	ug/L	J (all detects)
	COPPER	J	3.2	4.0	LOQ	ug/L	
	LEAD	J	0.22	2.0	LOQ	ug/L	
	NICKEL	J	1.8	4.0	LOQ	ug/L	
	VANADIUM	J	0.75	1.0	LOQ	ug/L	
	ZINC	J	19.1	30.0	LOQ	ug/L	
CH-SWSD103-SW01-F-LF	CHROMIUM	J	2.4	4.0	LOQ	ug/L	J (all detects)
	COPPER	J	3.1	4.0	LOQ	ug/L	
	LEAD	J	0.15	2.0	LOQ	ug/L	
	MANGANESE	J	2.1	4.0	LOQ	ug/L	
	NICKEL	J	1.6	4.0	LOQ	ug/L	
	VANADIUM	J	0.76	1.0	LOQ	ug/L	
	ZINC	J	5.0	30.0	LOQ	ug/L	
CH-SWSD103-SW01-LF	CHROMIUM	J	2.3	4.0	LOQ	ug/L	J (all detects)
	COBALT	J	0.20	1.0	LOQ	ug/L	
	COPPER	J	2.9	4.0	LOQ	ug/L	
	LEAD	J	0.21	2.0	LOQ	ug/L	
	MANGANESE	J	1.7	4.0	LOQ	ug/L	
	NICKEL	J	1.7	4.0	LOQ	ug/L	
	VANADIUM	J	0.92	1.0	LOQ	ug/L	
	ZINC	J	5.8	30.0	LOQ	ug/L	
CH-SWSD104-SW01-F-LF	CHROMIUM	J	2.1	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.43	2.0	LOQ	ug/L	
	NICKEL	J	1.9	4.0	LOQ	ug/L	
	ZINC	J	10.6	30.0	LOQ	ug/L	
CH-SWSD104-SW01-LF	CHROMIUM	J	2.8	4.0	LOQ	ug/L	J (all detects)
	COPPER	J	2.6	4.0	LOQ	ug/L	
	LEAD	J	0.47	2.0	LOQ	ug/L	
	MANGANESE	J	2.5	4.0	LOQ	ug/L	
	VANADIUM	J	0.66	1.0	LOQ	ug/L	
	ZINC	J	6.3	30.0	LOQ	ug/L	
CH-SWSD105-SW01D-F-LF	ALUMINUM	J	160	200	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.5	4.0	LOQ	ug/L	
	COPPER	J	3.0	4.0	LOQ	ug/L	
	IRON	J	165	200	LOQ	ug/L	
	LEAD	J	0.41	2.0	LOQ	ug/L	
	MANGANESE	J	3.9	4.0	LOQ	ug/L	
	ZINC	J	4.7	30.0	LOQ	ug/L	
CH-SWSD105-SW01D-LF	ALUMINUM	J	158	200	LOQ	ug/L	J (all detects)
	CHROMIUM	J	3.3	4.0	LOQ	ug/L	
	COPPER	J	3.0	4.0	LOQ	ug/L	
	LEAD	J	0.31	2.0	LOQ	ug/L	
	MANGANESE	J	1.2	4.0	LOQ	ug/L	
	VANADIUM	J	0.85	1.0	LOQ	ug/L	
	ZINC	J	4.4	30.0	LOQ	ug/L	
CH-SWSD105-SW01-F-LF	ALUMINUM	J	134	200	LOQ	ug/L	J (all detects)
	CHROMIUM	J	3.0	4.0	LOQ	ug/L	
	COPPER	J	2.6	4.0	LOQ	ug/L	
	IRON	J	190	200	LOQ	ug/L	
	LEAD	J	0.42	2.0	LOQ	ug/L	
	ZINC	J	4.5	30.0	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: APP68 **Laboratory: LLL**

EDD Filename: APP68-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: **6020A**

Matrix: **WATER**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD105-SW01-LF	ALUMINUM	J	143	200	LOQ	ug/L	
	CHROMIUM	J	3.1	4.0	LOQ	ug/L	
	COPPER	J	2.4	4.0	LOQ	ug/L	
	IRON	J	188	200	LOQ	ug/L	J (all detects)
	LEAD	J	0.40	2.0	LOQ	ug/L	
	VANADIUM	J	0.86	1.0	LOQ	ug/L	
	ZINC	J	4.0	30.0	LOQ	ug/L	

Method Blank Outlier Report

Lab Reporting Batch ID: APP68 **Laboratory: LLL**

EDD Filename: APP68-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: **6020A**
Matrix: **WATER**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P26963CB269063903	10/1/2017 5:42:00 AM	POTASSIUM	60.5 ug/L	CH-SWSD067-SW01-F-LF CH-SWSD067-SW01-LF CH-SWSD068-SW01-LF CH-SWSD075-SW01-LF CH-SWSD101-SW01-F-LF CH-SWSD101-SW01-LF CH-SWSD102-SW01-F-LF CH-SWSD102-SW01-LF CH-SWSD103-SW01-F-LF CH-SWSD103-SW01-LF CH-SWSD104-SW01-F-LF CH-SWSD104-SW01-LF CH-SWSD105-SW01D-F-LF CH-SWSD105-SW01D-LF CH-SWSD105-SW01-F-LF CH-SWSD105-SW01-LF

Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page	1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.		
Laboratory SDG:	APP69 (data gap lab-filtered surface water samples)		
Date(s) of Collection:	June 2nd, 2017		
Number/Type Samples & Analyses:	20 surface water samples plus 1 MS/MSD and 2 field duplicates for a project-specific list of metals (lab filtered samples)		
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA		
Completed:	October 4th, 2017		

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for surface water data included in Sample Delivery Group (SDG) APP69. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017.

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✗ Holding times and sample preservation

✓ Laboratory method blank data

✓ Field rinsate blank data

NA Trip blank data

✓ Laboratory control sample (LCS) recoveries

✓ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✓ Surrogate recoveries

✗ Laboratory duplicate results

✗ Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of "J" data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

At AECOM's request, the laboratory filtered the surface water samples through a 0.45 µm and analyzed for dissolved metals by 6020A. Since the filtration occurred after receipt in the laboratory, the recommended holding time criteria of 15-minutes was exceeded. The lab-filtered results are flagged "J" and "UJ" for detected and non-detected results, respectively indicating that the results are estimated values. If the original results were nondetects and the lab-filtered results were detected, the result will be rejected ("R" flag).

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The result is rejected. Original results were nondetects and the lab-filtered results were detected.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP69 **Laboratory: LLL**

EDD Filename: APP69-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Validation Area	*Note*
Technical Holding Times	SR
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	A
Surrogate/Tracer Spikes	N
Matrix Spike/Matrix Spike Duplicates	SR
Laboratory Duplicates	SR
Laboratory Replicates	N
Laboratory Control Samples	A
Compound Quantitation	SR
Field Duplicates	A
Field Triplicates	N
Field Blanks	N

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP69 **Laboratory: LLL**

EDD Filename: APP69-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **GENCHEM**

Method: **SM 2340B** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD056-SW01-LF** ***Collected:*** **6/2/2017 4:50:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	23300		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD057-SW01-LF** ***Collected:*** **6/2/2017 4:35:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	22500		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD058-SW01-LF** ***Collected:*** **6/2/2017 4:20:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	22600		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD059-SW01-LF** ***Collected:*** **6/2/2017 4:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	22100		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD060-SW01D-LF** ***Collected:*** **6/2/2017 3:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	21600		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD060-SW01-LF** ***Collected:*** **6/2/2017 3:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	22400		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD061-SW01-LF** ***Collected:*** **6/2/2017 3:25:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	21600		200	LOD	400	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP69 **Laboratory: LLL**

EDD Filename: APP69-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **GENCHEM**

Method: **SM 2340B** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD062-SW01-LF** ***Collected:*** **6/2/2017 3:15:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	23200		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD063-SW01-LF** ***Collected:*** **6/2/2017 2:55:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	22500		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD064-SW01-LF** ***Collected:*** **6/2/2017 2:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	22200		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD065-SW01D-LF** ***Collected:*** **6/2/2017 2:25:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	22600		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD065-SW01-LF** ***Collected:*** **6/2/2017 2:25:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	21900		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD069-SW01-LF** ***Collected:*** **6/2/2017 10:00:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	16600		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD072-SW01-F-LF** ***Collected:*** **6/2/2017 10:20:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	15000		200	LOD	400	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP69 **Laboratory: LLL**

EDD Filename: APP69-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: GENCHEM

Method: SM 2340B **Matrix: WATER**

Sample ID: CH-SWSD072-SW01-LF **Collected:** 6/2/2017 10:20:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	15400		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD076-SW01-LF **Collected:** 6/2/2017 12:10:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	15300		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD077-SW01-LF **Collected:** 6/2/2017 12:25:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	16300		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD078-SW01-LF **Collected:** 6/2/2017 12:35:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	18700		200	LOD	400	LOQ	ug/L	J	StoE

Method Category: METALS

Method: 6020A **Matrix: WATER**

Sample ID: CH-SWSD056-SW01-LF **Collected:** 6/2/2017 4:50:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	307		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	16.3		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	5190		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.5	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP69 **Laboratory: LLL**

EDD Filename: APP69-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD056-SW01-LF** ***Collected:*** **6/2/2017 4:50:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	3.2	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	463		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.68	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2510		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	3.6	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1130		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16700		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.77	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	10.9	J	7.5	LOD	30.0	LOQ	ug/L	R	RI, StoE, ProfJudg

Sample ID: **CH-SWSD057-SW01-LF** ***Collected:*** **6/2/2017 4:35:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	300		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	18.5		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.074	J	0.25	LOD	1.0	LOQ	ug/L	R	RI, StoE, ProfJudg
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	4730		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.3	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	3.1	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	436		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.70	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2590		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	3.5	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP69 **Laboratory: LLL**

EDD Filename: APP69-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD057-SW01-LF** ***Collected:*** **6/2/2017 4:35:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NICKEL	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1090		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16900		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.80	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	10.3	J	7.5	LOD	30.0	LOQ	ug/L	R	RI, StoE, ProfJudg

Sample ID: **CH-SWSD058-SW01-LF** ***Collected:*** **6/2/2017 4:20:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	325		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	16.4		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	4840		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.9	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	3.2	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	388		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.63	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2550		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	3.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	1140		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	17000		100	LOD	400	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP69 **Laboratory: LLL**

EDD Filename: APP69-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD058-SW01-LF** ***Collected:*** **6/2/2017 4:20:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.1		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	9.3	J	7.5	LOD	30.0	LOQ	ug/L	R	RI, StoE, ProfJudg

Sample ID: **CH-SWSD059-SW01-LF** ***Collected:*** **6/2/2017 4:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	278		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	18.8		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	4860		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.8	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	3.1	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	445		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.68	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2420		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	2.9	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1090		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16400		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.66	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	9.2	J	7.5	LOD	30.0	LOQ	ug/L	R	RI, StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP69 **Laboratory: LLL**

EDD Filename: APP69-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD060-SW01D-LF** ***Collected:*** **6/2/2017 3:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	289		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	16.9		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CHROMIUM	1.2	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	2.8	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	454		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.81	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2500		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	3.6	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	1050		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16600		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.56	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	7.2	J	7.5	LOD	30.0	LOQ	ug/L	R	RI, StoE, ProfJudg

Sample ID: **CH-SWSD060-SW01D-LF** ***Collected:*** **6/2/2017 3:45:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	4540		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD060-SW01-LF** ***Collected:*** **6/2/2017 3:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	268		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP69 **Laboratory: LLL**

EDD Filename: APP69-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD060-SW01-LF** ***Collected:*** **6/2/2017 3:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	15.6		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.073	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CHROMIUM	2.8	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	3.1	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	393		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.69	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2510		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	3.0	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	1.5	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1080		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16600		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.74	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	10.4	J	7.5	LOD	30.0	LOQ	ug/L	R	RI, StoE, ProfJudg

Sample ID: **CH-SWSD060-SW01-LF** ***Collected:*** **6/2/2017 3:45:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	4850		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD061-SW01-LF** ***Collected:*** **6/2/2017 3:25:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	298		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP69 **Laboratory: LLL**

EDD Filename: APP69-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD061-SW01-LF** ***Collected:*** **6/2/2017 3:25:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CHROMIUM	3.1	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	3.0	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	368		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.67	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2400		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	5.1		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	1120		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16300		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.81	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	12.2	J	7.5	LOD	30.0	LOQ	ug/L	R	RI, StoE, ProfJudg

Sample ID: **CH-SWSD061-SW01-LF** ***Collected:*** **6/2/2017 3:25:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	17.2		2.0	LOD	4.0	LOQ	ug/L	J	StoE
CALCIUM	4680		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD062-SW01-LF** ***Collected:*** **6/2/2017 3:15:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	302		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	16.0		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP69 **Laboratory: LLL**

EDD Filename: APP69-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD062-SW01-LF** ***Collected:*** **6/2/2017 3:15:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	5190		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.6	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	2.9	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	413		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.60	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2490		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	7.7		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	1080		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16700		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.53	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	11.0	J	7.5	LOD	30.0	LOQ	ug/L	R	RI, StoE, ProfJudg

Sample ID: **CH-SWSD063-SW01-LF** ***Collected:*** **6/2/2017 2:55:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	281		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.081	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CHROMIUM	0.96	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, Ld, StoE, ProfJudg
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	3.6	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	357		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.71	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2530		25.0	LOD	200	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP69 **Laboratory: LLL**

EDD Filename: APP69-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD063-SW01-LF** ***Collected:*** **6/2/2017 2:55:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MANGANESE	10.4		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	Ld, StoE
POTASSIUM	1070		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16800		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.50	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, Ld, StoE
ZINC	12.0	J	7.5	LOD	30.0	LOQ	ug/L	R	RI, StoE, ProfJudg

Sample ID: **CH-SWSD063-SW01-LF** ***Collected:*** **6/2/2017 2:55:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	17.0		2.0	LOD	4.0	LOQ	ug/L	J	StoE
CALCIUM	4830		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD064-SW01-LF** ***Collected:*** **6/2/2017 2:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	294		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	18.4		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CHROMIUM	1.0	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	3.7	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	348		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.65	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2480		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	8.6		2.0	LOD	4.0	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP69 **Laboratory: LLL**

EDD Filename: APP69-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD064-SW01-LF** ***Collected:*** **6/2/2017 2:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NICKEL	1.0	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1070		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16600		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.70	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	11.8	J	7.5	LOD	30.0	LOQ	ug/L	R	RI, StoE, ProfJudg

Sample ID: **CH-SWSD064-SW01-LF** ***Collected:*** **6/2/2017 2:45:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	4790		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD065-SW01D-LF** ***Collected:*** **6/2/2017 2:25:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	278		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	15.4		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.075	J	0.25	LOD	1.0	LOQ	ug/L	R	RI, StoE, ProfJudg
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CHROMIUM	2.4	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	3.3	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	364		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.66	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2560		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	7.4		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.2	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP69 **Laboratory: LLL**

EDD Filename: APP69-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD065-SW01D-LF** ***Collected:*** **6/2/2017 2:25:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
POTASSIUM	1080		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16900		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.79	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	11.2	J	7.5	LOD	30.0	LOQ	ug/L	R	RI, StoE, ProfJudg

Sample ID: **CH-SWSD065-SW01D-LF** ***Collected:*** **6/2/2017 2:25:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	4820		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD065-SW01-LF** ***Collected:*** **6/2/2017 2:25:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	278		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	18.2		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	4650		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.3	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	3.5	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	342		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.57	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2490		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	5.7		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.4	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1040		200	LOD	400	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP69 **Laboratory: LLL**

EDD Filename: APP69-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD065-SW01-LF** ***Collected:*** **6/2/2017 2:25:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16500		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.66	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	13.5	J	7.5	LOD	30.0	LOQ	ug/L	R	RI, StoE, ProfJudg

Sample ID: **CH-SWSD069-SW01-LF** ***Collected:*** **6/2/2017 10:00:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	1000		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	39.7		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.21	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CHROMIUM	1.6	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.75	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	6.6		1.0	LOD	4.0	LOQ	ug/L	J	StoE
IRON	211		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	4.6		0.25	LOD	2.0	LOQ	ug/L	J	StoE
MAGNESIUM	1990		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	19.1		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	2.4	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	705		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16800		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	2.3		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	28.6	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP69 **Laboratory: LLL**

EDD Filename: APP69-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD069-SW01-LF** ***Collected:*** **6/2/2017 10:00:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	3360		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD072-SW01-F-LF** ***Collected:*** **6/2/2017 10:20:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	874		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	39.6		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.19	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CHROMIUM	3.8	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.48	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	6.1		1.0	LOD	4.0	LOQ	ug/L	J	StoE
IRON	127	J	100	LOD	200	LOQ	ug/L	J	RI, StoE
LEAD	0.83	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2050		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	12.4		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.4	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	704		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16800		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	2.0		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	20.5	J	7.5	LOD	30.0	LOQ	ug/L	R	RI, StoE, ProfJudg

Sample ID: **CH-SWSD072-SW01-F-LF** ***Collected:*** **6/2/2017 10:20:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	2620		200	LOD	400	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP69 **Laboratory: LLL**

EDD Filename: APP69-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD072-SW01-LF** ***Collected:*** **6/2/2017 10:20:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	870		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	37.5		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.18	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CHROMIUM	1.8	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.66	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	4.6		1.0	LOD	4.0	LOQ	ug/L	J	StoE
IRON	118	J	100	LOD	200	LOQ	ug/L	J	RI, StoE
LEAD	0.74	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2030		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	11.6		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.6	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	666		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16900		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	2.3		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	19.4	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD072-SW01-LF** ***Collected:*** **6/2/2017 10:20:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	2830		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD076-SW01-LF** ***Collected:*** **6/2/2017 12:10:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	654		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP69 **Laboratory: LLL**

EDD Filename: APP69-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD076-SW01-LF** ***Collected:*** **6/2/2017 12:10:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	31.2		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.14	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CHROMIUM	1.2	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.53	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	2.5	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	79.0	J	100	LOD	200	LOQ	ug/L	J	RI, StoE
LEAD	0.48	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2010		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	8.0		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	528		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16700		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	2.3		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	18.5	J	7.5	LOD	30.0	LOQ	ug/L	R	RI, StoE, ProfJudg

Sample ID: **CH-SWSD076-SW01-LF** ***Collected:*** **6/2/2017 12:10:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	2820		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD077-SW01-LF** ***Collected:*** **6/2/2017 12:25:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	688		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	34.8		2.0	LOD	4.0	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP69 **Laboratory: LLL**

EDD Filename: APP69-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD077-SW01-LF** ***Collected:*** **6/2/2017 12:25:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.14	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CHROMIUM	1.3	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.48	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	2.3	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	93.7	J	100	LOD	200	LOQ	ug/L	J	RI, StoE
LEAD	0.57	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2050		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	7.6		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	497		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	17400		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	2.6		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	20.4	J	7.5	LOD	30.0	LOQ	ug/L	R	RI, StoE, ProfJudg

Sample ID: **CH-SWSD077-SW01-LF** ***Collected:*** **6/2/2017 12:25:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	3170		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD078-SW01-LF** ***Collected:*** **6/2/2017 12:35:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	714		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	44.7		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.13	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP69 **Laboratory: LLL**

EDD Filename: APP69-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD078-SW01-LF** ***Collected:*** **6/2/2017 12:35:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	1.7	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.63	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	2.8	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	211		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.59	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2090		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	15.4		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	803		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	17500		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	2.1		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	24.6	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD078-SW01-LF** ***Collected:*** **6/2/2017 12:35:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	4070		200	LOD	400	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP69 **Laboratory: LLL**

EDD Filename: APP69-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Reason Code Legend

Reason Code	*Description*
Ld	Laboratory Duplicate Precision
Ms	Matrix Spike Upper Estimation
ProfJudg	Professional Judgment
RI	Reporting Limit Trace Value
StoE	Sampling to Extraction Estimation

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP69 **Laboratory: LLL**

EDD Filename: APP69-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: **6020A**
Matrix: **WATER**

QC Sample ID (Associated Samples)	*Compound*	*MS %R*	*MSD %R*	*%R Limits*	*RPD (Limits)*	*Affected Compounds*	*Flag*
CH-SWSD063-SW01-LFMSD (Dissolved) (CH-SWSD063-SW01-LF)	ANTIMONY	-	121	85.00-117.00	-	ANTIMONY	J+ (all detects)

Lab Duplicate Outlier Report

Lab Reporting Batch ID: APP69 **Laboratory: LLL**

EDD Filename: APP69-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: 6020A
Matrix: WATER

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
CH-SWSD063-SW01-LFDUP (Dissolved) (CH-SWSD063-SW01-LF)	CHROMIUM NICKEL VANADIUM	33 200 32	20.00 20.00 20.00	J (all detects) UJ (all non-detects)

Project Name and Number: Camp Hero - Camp Hero

Field Duplicate RPD Report

Lab Reporting Batch ID: APP69 **Laboratory: LLL**

EDD Filename: APP69-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: 6020A
Matrix: WATER

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD060-SW01-LF (Dissolved)	CH-SWSD060-SW01D-LF (Dissolved)			
ALUMINUM	268	289	8	30.00	
BARIUM	15.6	16.9	8	30.00	
BERYLLIUM	0.073	1.0 U	200	30.00	
CALCIUM	4850	4540	7	30.00	
CHROMIUM	2.8	1.2	80	30.00	
COPPER	3.1	2.8	10	30.00	
IRON	393	454	14	30.00	
LEAD	0.69	0.81	16	30.00	No Qualifiers Applied
MAGNESIUM	2510	2500	0	30.00	
MANGANESE	3.0	3.6	18	30.00	
NICKEL	1.5	4.0 U	200	30.00	
POTASSIUM	1080	1050	3	30.00	
SODIUM	16600	16600	0	30.00	
VANADIUM	0.74	0.56	28	30.00	
ZINC	10.4	7.2	36	30.00	

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD065-SW01-LF (Dissolved)	CH-SWSD065-SW01D-LF (Dissolved)			
ALUMINUM	278	278	0	30.00	
BARIUM	18.2	15.4	17	30.00	
BERYLLIUM	1.0 U	0.075	200	30.00	
CALCIUM	4650	4820	4	30.00	
CHROMIUM	2.3	2.4	4	30.00	
COPPER	3.5	3.3	6	30.00	
IRON	342	364	6	30.00	
LEAD	0.57	0.66	15	30.00	No Qualifiers Applied
MAGNESIUM	2490	2560	3	30.00	
MANGANESE	5.7	7.4	26	30.00	
NICKEL	1.4	1.2	15	30.00	
POTASSIUM	1040	1080	4	30.00	
SODIUM	16500	16900	2	30.00	
VANADIUM	0.66	0.79	18	30.00	
ZINC	13.5	11.2	19	30.00	

Method: SM 2340B
Matrix: WATER

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD060-SW01-LF	CH-SWSD060-SW01D-LF			
HARDNESS (AS CACO3)	22400	21600	4	30.00	No Qualifiers Applied

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD065-SW01-LF	CH-SWSD065-SW01D-LF			
HARDNESS (AS CACO3)	21900	22600	3	30.00	No Qualifiers Applied

Project Name and Number: Camp Hero - Camp Hero

Reporting Limit Outliers

Lab Reporting Batch ID: APP69 **Laboratory: LLL**

EDD Filename: APP69-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: **6020A**

Matrix: **WATER**

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD056-SW01-LF	CHROMIUM	J	2.5	4.0	LOQ	ug/L	
	COPPER	J	3.2	4.0	LOQ	ug/L	
	LEAD	J	0.68	2.0	LOQ	ug/L	
	MANGANESE	J	3.6	4.0	LOQ	ug/L	J (all detects)
	NICKEL	J	1.1	4.0	LOQ	ug/L	
	VANADIUM	J	0.77	1.0	LOQ	ug/L	
	ZINC	J	10.9	30.0	LOQ	ug/L	
CH-SWSD057-SW01-LF	BERYLLIUM	J	0.074	1.0	LOQ	ug/L	
	CHROMIUM	J	2.3	4.0	LOQ	ug/L	
	COPPER	J	3.1	4.0	LOQ	ug/L	
	LEAD	J	0.70	2.0	LOQ	ug/L	
	MANGANESE	J	3.5	4.0	LOQ	ug/L	J (all detects)
	NICKEL	J	1.1	4.0	LOQ	ug/L	
	VANADIUM	J	0.80	1.0	LOQ	ug/L	
	ZINC	J	10.3	30.0	LOQ	ug/L	
CH-SWSD058-SW01-LF	CHROMIUM	J	2.9	4.0	LOQ	ug/L	
	COPPER	J	3.2	4.0	LOQ	ug/L	
	LEAD	J	0.63	2.0	LOQ	ug/L	J (all detects)
	MANGANESE	J	3.1	4.0	LOQ	ug/L	
	ZINC	J	9.3	30.0	LOQ	ug/L	
CH-SWSD059-SW01-LF	CHROMIUM	J	2.8	4.0	LOQ	ug/L	
	COPPER	J	3.1	4.0	LOQ	ug/L	
	LEAD	J	0.68	2.0	LOQ	ug/L	
	MANGANESE	J	2.9	4.0	LOQ	ug/L	J (all detects)
	NICKEL	J	1.1	4.0	LOQ	ug/L	
	VANADIUM	J	0.66	1.0	LOQ	ug/L	
	ZINC	J	9.2	30.0	LOQ	ug/L	
CH-SWSD060-SW01D-LF	CHROMIUM	J	1.2	4.0	LOQ	ug/L	
	COPPER	J	2.8	4.0	LOQ	ug/L	
	LEAD	J	0.81	2.0	LOQ	ug/L	J (all detects)
	MANGANESE	J	3.6	4.0	LOQ	ug/L	
	VANADIUM	J	0.56	1.0	LOQ	ug/L	
	ZINC	J	7.2	30.0	LOQ	ug/L	
CH-SWSD060-SW01-LF	BERYLLIUM	J	0.073	1.0	LOQ	ug/L	
	CHROMIUM	J	2.8	4.0	LOQ	ug/L	
	COPPER	J	3.1	4.0	LOQ	ug/L	
	LEAD	J	0.69	2.0	LOQ	ug/L	
	MANGANESE	J	3.0	4.0	LOQ	ug/L	J (all detects)
	NICKEL	J	1.5	4.0	LOQ	ug/L	
	VANADIUM	J	0.74	1.0	LOQ	ug/L	
	ZINC	J	10.4	30.0	LOQ	ug/L	
CH-SWSD061-SW01-LF	CHROMIUM	J	3.1	4.0	LOQ	ug/L	
	COPPER	J	3.0	4.0	LOQ	ug/L	
	LEAD	J	0.67	2.0	LOQ	ug/L	J (all detects)
	VANADIUM	J	0.81	1.0	LOQ	ug/L	
	ZINC	J	12.2	30.0	LOQ	ug/L	
CH-SWSD062-SW01-LF	CHROMIUM	J	2.6	4.0	LOQ	ug/L	
	COPPER	J	2.9	4.0	LOQ	ug/L	
	LEAD	J	0.60	2.0	LOQ	ug/L	J (all detects)
	VANADIUM	J	0.53	1.0	LOQ	ug/L	
	ZINC	J	11.0	30.0	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: APP69 **Laboratory: LLL**

EDD Filename: APP69-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: **6020A**

Matrix: **WATER**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD063-SW01-LF	BERYLLIUM	J	0.081	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	0.96	4.0	LOQ	ug/L	
	COPPER	J	3.6	4.0	LOQ	ug/L	
	LEAD	J	0.71	2.0	LOQ	ug/L	
	VANADIUM	J	0.50	1.0	LOQ	ug/L	
	ZINC	J	12.0	30.0	LOQ	ug/L	
CH-SWSD064-SW01-LF	CHROMIUM	J	1.0	4.0	LOQ	ug/L	J (all detects)
	COPPER	J	3.7	4.0	LOQ	ug/L	
	LEAD	J	0.65	2.0	LOQ	ug/L	
	NICKEL	J	1.0	4.0	LOQ	ug/L	
	VANADIUM	J	0.70	1.0	LOQ	ug/L	
	ZINC	J	11.8	30.0	LOQ	ug/L	
CH-SWSD065-SW01D-LF	BERYLLIUM	J	0.075	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	2.4	4.0	LOQ	ug/L	
	COPPER	J	3.3	4.0	LOQ	ug/L	
	LEAD	J	0.66	2.0	LOQ	ug/L	
	NICKEL	J	1.2	4.0	LOQ	ug/L	
	VANADIUM	J	0.79	1.0	LOQ	ug/L	
	ZINC	J	11.2	30.0	LOQ	ug/L	
CH-SWSD065-SW01-LF	CHROMIUM	J	2.3	4.0	LOQ	ug/L	J (all detects)
	COPPER	J	3.5	4.0	LOQ	ug/L	
	LEAD	J	0.57	2.0	LOQ	ug/L	
	NICKEL	J	1.4	4.0	LOQ	ug/L	
	VANADIUM	J	0.66	1.0	LOQ	ug/L	
	ZINC	J	13.5	30.0	LOQ	ug/L	
CH-SWSD069-SW01-LF	BERYLLIUM	J	0.21	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.6	4.0	LOQ	ug/L	
	COBALT	J	0.75	1.0	LOQ	ug/L	
	NICKEL	J	2.4	4.0	LOQ	ug/L	
	ZINC	J	28.6	30.0	LOQ	ug/L	
CH-SWSD072-SW01-F-LF	BERYLLIUM	J	0.19	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	3.8	4.0	LOQ	ug/L	
	COBALT	J	0.48	1.0	LOQ	ug/L	
	IRON	J	127	200	LOQ	ug/L	
	LEAD	J	0.83	2.0	LOQ	ug/L	
	NICKEL	J	1.4	4.0	LOQ	ug/L	
	ZINC	J	20.5	30.0	LOQ	ug/L	
CH-SWSD072-SW01-LF	BERYLLIUM	J	0.18	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.8	4.0	LOQ	ug/L	
	COBALT	J	0.66	1.0	LOQ	ug/L	
	IRON	J	118	200	LOQ	ug/L	
	LEAD	J	0.74	2.0	LOQ	ug/L	
	NICKEL	J	1.6	4.0	LOQ	ug/L	
	ZINC	J	19.4	30.0	LOQ	ug/L	
CH-SWSD076-SW01-LF	BERYLLIUM	J	0.14	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.2	4.0	LOQ	ug/L	
	COBALT	J	0.53	1.0	LOQ	ug/L	
	COPPER	J	2.5	4.0	LOQ	ug/L	
	IRON	J	79.0	200	LOQ	ug/L	
	LEAD	J	0.48	2.0	LOQ	ug/L	
	ZINC	J	18.5	30.0	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: APP69 **Laboratory: LLL**

EDD Filename: APP69-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: **6020A**

Matrix: **WATER**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD077-SW01-LF	BERYLLIUM	J	0.14	1.0	LOQ	ug/L	
	CHROMIUM	J	1.3	4.0	LOQ	ug/L	
	COBALT	J	0.48	1.0	LOQ	ug/L	
	COPPER	J	2.3	4.0	LOQ	ug/L	J (all detects)
	IRON	J	93.7	200	LOQ	ug/L	
	LEAD	J	0.57	2.0	LOQ	ug/L	
	ZINC	J	20.4	30.0	LOQ	ug/L	
CH-SWSD078-SW01-LF	BERYLLIUM	J	0.13	1.0	LOQ	ug/L	
	CHROMIUM	J	1.7	4.0	LOQ	ug/L	
	COBALT	J	0.63	1.0	LOQ	ug/L	
	COPPER	J	2.8	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.59	2.0	LOQ	ug/L	
	NICKEL	J	1.1	4.0	LOQ	ug/L	
	ZINC	J	24.6	30.0	LOQ	ug/L	

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Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page	1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.		
Laboratory SDG:	APP70 (data gap lab-filtered surface water samples)		
Date(s) of Collection:	June 3rd, 2017		
Number/Type Samples & Analyses:	20 surface water samples plus 1 MS/MSD and 3 field duplicates for a project-specific list of metals (lab filtered samples)		
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA		
Completed:	October 4th, 2017		

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for surface water data included in Sample Delivery Group (SDG) APP70. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017.

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✗ Holding times and sample preservation

✓ Laboratory method blank data

✓ Field rinsate blank data

NA Trip blank data

✓ Laboratory control sample (LCS) recoveries

✓ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✓ Surrogate recoveries

✗ Laboratory duplicate results

✗ Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of "J" data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

At AECOM's request, the laboratory filtered the surface water samples through a 0.45 µm and analyzed for dissolved metals by 6020A. Since the filtration occurred after receipt in the laboratory, the recommended holding time criteria of 15-minutes was exceeded. The lab-filtered results are flagged "J" and "UJ" for detected and non-detected results, respectively indicating that the results are estimated values. If the original results were nondetects and the lab-filtered results were detected, the result will be rejected ("R" flag).

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The result is rejected and not usable. original results were nondetects and the lab-filtered results were detected.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP70 **Laboratory: LLL**

EDD Filename: APP70-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Validation Area	*Note*
Technical Holding Times	SR
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	A
Surrogate/Tracer Spikes	N
Matrix Spike/Matrix Spike Duplicates	SR
Laboratory Duplicates	SR
Laboratory Replicates	N
Laboratory Control Samples	A
Compound Quantitation	SR
Field Duplicates	A
Field Triplicates	N
Field Blanks	N

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP70 **Laboratory: LLL**

EDD Filename: APP70-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: GENCHEM

Method: SM 2340B **Matrix: WATER**

Sample ID: CH-SWSD051-SW01-LF **Collected:** 6/3/2017 10:15:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	24800		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD052-SW01-LF **Collected:** 6/3/2017 10:00:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	25300		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD053-SW01-LF **Collected:** 6/3/2017 9:45:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	26800		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD054-SW01-LF **Collected:** 6/3/2017 9:25:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	25700		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD055-SW01D-LF **Collected:** 6/3/2017 9:10:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	24800		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD055-SW01-LF **Collected:** 6/3/2017 9:10:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	24500		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD115-SW01D-F-LF **Collected:** 6/3/2017 11:55:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	26500		200	LOD	400	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP70 **Laboratory: LLL**

EDD Filename: APP70-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: GENCHEM

Method: SM 2340B **Matrix: WATER**

Sample ID: CH-SWSD115-SW01D-LF **Collected:** 6/3/2017 11:55:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	26000		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD115-SW01-F-LF **Collected:** 6/3/2017 11:55:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	26600		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD115-SW01-LF **Collected:** 6/3/2017 11:55:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	26700		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD119-SW01-LF **Collected:** 6/3/2017 11:45:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	25000		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD120-SW01D-LF **Collected:** 6/3/2017 10:45:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	26900		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD120-SW01-LF **Collected:** 6/3/2017 10:45:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	26600		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD121-SW01-LF **Collected:** 6/3/2017 10:30:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	31000		200	LOD	400	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP70 **Laboratory: LLL**

EDD Filename: APP70-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: GENCHEM

Method: SM 2340B **Matrix: WATER**

Sample ID: CH-SWSD122-SW01-LF **Collected:** 6/3/2017 10:05:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	32200		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD123-SW01-LF **Collected:** 6/3/2017 9:40:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	31700		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD124-SW01-LF **Collected:** 6/3/2017 9:25:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	30400		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD125-SW01-LF **Collected:** 6/3/2017 9:10:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	29500		200	LOD	400	LOQ	ug/L	J	StoE

Method Category: METALS

Method: 6020A **Matrix: WATER**

Sample ID: CH-SWSD051-SW01-LF **Collected:** 6/3/2017 10:15:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	169	J	50.0	LOD	200	LOQ	ug/L	J	RI, StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	4890		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	1.7	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	1.8	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP70 **Laboratory: LLL**

EDD Filename: APP70-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD051-SW01-LF** ***Collected:*** **6/3/2017 10:15:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
IRON	544		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.12	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3060		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	1.6	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	1360		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	17300		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.48	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	5.2	J	7.5	LOD	30.0	LOQ	ug/L	R	RI, StoE, ProfJudg

Sample ID: **CH-SWSD051-SW01-LF** ***Collected:*** **6/3/2017 10:15:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	10.7		2.0	LOD	4.0	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD052-SW01-LF** ***Collected:*** **6/3/2017 10:00:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	181	J	50.0	LOD	200	LOQ	ug/L	J	RI, StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	4990		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	1.0	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	2.2	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	523		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.21	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP70 **Laboratory: LLL**

EDD Filename: APP70-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD052-SW01-LF** ***Collected:*** **6/3/2017 10:00:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MAGNESIUM	3120		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	1.9	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	1360		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	17800		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.53	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	7.5	U	7.5	LOD	30.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD052-SW01-LF** ***Collected:*** **6/3/2017 10:00:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	11.0		2.0	LOD	4.0	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD053-SW01-LF** ***Collected:*** **6/3/2017 9:45:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	171	J	50.0	LOD	200	LOQ	ug/L	J	RI, StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	5620		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.4	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	2.2	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	573		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.20	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3110		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	1.9	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP70 **Laboratory: LLL**

EDD Filename: APP70-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD053-SW01-LF** ***Collected:*** **6/3/2017 9:45:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	1400		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	17600		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.50	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	5.3	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD053-SW01-LF** ***Collected:*** **6/3/2017 9:45:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	11.3		2.0	LOD	4.0	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD054-SW01-LF** ***Collected:*** **6/3/2017 9:25:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	171	J	50.0	LOD	200	LOQ	ug/L	J	RI, StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	5270		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.8	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	2.3	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	557		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.14	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3040		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	1.6	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	1340		200	LOD	400	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP70 **Laboratory: LLL**

EDD Filename: APP70-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD054-SW01-LF** ***Collected:*** **6/3/2017 9:25:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	17400		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.51	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	4.7	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD054-SW01-LF** ***Collected:*** **6/3/2017 9:25:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	10.6		2.0	LOD	4.0	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD055-SW01D-LF** ***Collected:*** **6/3/2017 9:10:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	145	J	50.0	LOD	200	LOQ	ug/L	J	RI, StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	5110		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.4	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	2.1	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	532		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.19	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2930		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	1.4	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	1310		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP70 **Laboratory: LLL**

EDD Filename: APP70-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD055-SW01D-LF** ***Collected:*** **6/3/2017 9:10:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	16900		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.52	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	5.7	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD055-SW01D-LF** ***Collected:*** **6/3/2017 9:10:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	10.9		2.0	LOD	4.0	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD055-SW01-LF** ***Collected:*** **6/3/2017 9:10:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	131	J	50.0	LOD	200	LOQ	ug/L	J	RI, StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	4900		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	2.0	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	507		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.20	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2990		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	1.6	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	1300		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16900		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP70 **Laboratory: LLL**

EDD Filename: APP70-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD055-SW01-LF** ***Collected:*** **6/3/2017 9:10:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
VANADIUM	0.49	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	5.2	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD055-SW01-LF** ***Collected:*** **6/3/2017 9:10:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	11.6		2.0	LOD	4.0	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD115-SW01D-F-LF** ***Collected:*** **6/3/2017 11:55:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	746		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.18	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	5480		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.4	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	1.1		0.50	LOD	1.0	LOQ	ug/L	J	StoE
COPPER	5.2		1.0	LOD	4.0	LOQ	ug/L	J	StoE
IRON	1260		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.96	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3120		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	70.4		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	2.4	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1190		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16400		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.6		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	21.1	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP70 **Laboratory: LLL**

EDD Filename: APP70-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD115-SW01D-F-LF** ***Collected:*** **6/3/2017 11:55:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	22.3		2.0	LOD	4.0	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD115-SW01D-LF** ***Collected:*** **6/3/2017 11:55:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	672		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.17	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.22	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
CALCIUM	5390		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	3.0	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	5.4		1.0	LOD	4.0	LOQ	ug/L	J	StoE
IRON	1140		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.70	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3050		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	3.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	2.0	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1130		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	15500		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.5		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	20.3	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD115-SW01D-LF** ***Collected:*** **6/3/2017 11:55:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	20.1		2.0	LOD	4.0	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP70 **Laboratory: LLL**

EDD Filename: APP70-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD115-SW01-F-LF** ***Collected:*** **6/3/2017 11:55:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	702		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.19	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.15	J	0.50	LOD	1.0	LOQ	ug/L	R	RI, StoE, ProfJudg
CALCIUM	5520		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	3.4	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.91	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	5.3		1.0	LOD	4.0	LOQ	ug/L	J	StoE
IRON	1270		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	1.0	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3120		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	67.8		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	2.8	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1150		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16100		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.5		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	22.3	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD115-SW01-F-LF** ***Collected:*** **6/3/2017 11:55:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	20.0		2.0	LOD	4.0	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD115-SW01-LF** ***Collected:*** **6/3/2017 11:55:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	758		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP70 **Laboratory: LLL**

EDD Filename: APP70-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD115-SW01-LF** ***Collected:*** **6/3/2017 11:55:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.18	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.23	J	0.50	LOD	1.0	LOQ	ug/L	R	RI, StoE, ProfJudg
CALCIUM	5400		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	3.7	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.21	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	6.0		1.0	LOD	4.0	LOQ	ug/L	J	StoE
IRON	1260		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.73	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3200		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	4.3		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	2.7	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1200		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16300		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.7		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	23.8	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD115-SW01-LF** ***Collected:*** **6/3/2017 11:55:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	20.6		2.0	LOD	4.0	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD119-SW01-LF** ***Collected:*** **6/3/2017 11:45:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	712		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.20	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP70 **Laboratory: LLL**

EDD Filename: APP70-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD119-SW01-LF** ***Collected:*** **6/3/2017 11:45:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.15	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
CALCIUM	4800		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	3.4	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.22	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	6.3		1.0	LOD	4.0	LOQ	ug/L	J	StoE
IRON	1200		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.68	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3160		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	3.7	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	2.6	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1170		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16100		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.2		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	23.6	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD119-SW01-LF** ***Collected:*** **6/3/2017 11:45:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	21.6		2.0	LOD	4.0	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD120-SW01D-LF** ***Collected:*** **6/3/2017 10:45:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	812		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.20	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	5170		200	LOD	400	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP70 **Laboratory: LLL**

EDD Filename: APP70-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD120-SW01D-LF** ***Collected:*** **6/3/2017 10:45:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	2.8	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.18	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	6.0		1.0	LOD	4.0	LOQ	ug/L	J	StoE
IRON	1230		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.66	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3410		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	6.2		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	3.2	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1330		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	17600		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.6		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	28.4	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD120-SW01D-LF** ***Collected:*** **6/3/2017 10:45:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	21.6		2.0	LOD	4.0	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD120-SW01-LF** ***Collected:*** **6/3/2017 10:45:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	782		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.22	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	5270		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	3.5	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.19	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP70 **Laboratory: LLL**

EDD Filename: APP70-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD120-SW01-LF** ***Collected:*** **6/3/2017 10:45:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	6.0		1.0	LOD	4.0	LOQ	ug/L	J	StoE
IRON	1170		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.76	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3260		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	4.6		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	3.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1290		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16900		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.7		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	27.3	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD120-SW01-LF** ***Collected:*** **6/3/2017 10:45:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	21.9		2.0	LOD	4.0	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD121-SW01-LF** ***Collected:*** **6/3/2017 10:30:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	576		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.14	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	6880		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	3.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.20	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	5.0		1.0	LOD	4.0	LOQ	ug/L	J	StoE
IRON	836		100	LOD	200	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP70 **Laboratory: LLL**

EDD Filename: APP70-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD121-SW01-LF** ***Collected:*** **6/3/2017 10:30:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
LEAD	0.57	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3350		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	3.5	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	2.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1270		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16700		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.2		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	17.6	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD121-SW01-LF** ***Collected:*** **6/3/2017 10:30:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	21.5		2.0	LOD	4.0	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD122-SW01-LF** ***Collected:*** **6/3/2017 10:05:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	395		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.098	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	7300		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	3.3	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	3.5	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	690		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.38	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3380		25.0	LOD	200	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP70 **Laboratory: LLL**

EDD Filename: APP70-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD122-SW01-LF** ***Collected:*** **6/3/2017 10:05:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MANGANESE	3.3	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	1.6	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1120		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16400		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.67	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	12.7	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD122-SW01-LF** ***Collected:*** **6/3/2017 10:05:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	17.6		2.0	LOD	4.0	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD123-SW01-LF** ***Collected:*** **6/3/2017 9:40:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	408		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.11	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, Ld, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	6930		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.8	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	3.8	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	762		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.37	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3500		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	3.2	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	1.2	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, Ld, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP70 **Laboratory: LLL**

EDD Filename: APP70-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD123-SW01-LF** ***Collected:*** **6/3/2017 9:40:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
POTASSIUM	1160		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	17000		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.96	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, Ld, StoE
ZINC	12.3	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD123-SW01-LF** ***Collected:*** **6/3/2017 9:40:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	20.1		2.0	LOD	4.0	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD124-SW01-LF** ***Collected:*** **6/3/2017 9:25:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	405		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.093	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	6770		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.9	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	3.6	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	689		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.43	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3280		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	3.5	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	1.8	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1080		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP70 **Laboratory: LLL**

EDD Filename: APP70-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD124-SW01-LF** ***Collected:*** **6/3/2017 9:25:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16000		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.99	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	11.4	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD124-SW01-LF** ***Collected:*** **6/3/2017 9:25:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	17.7		2.0	LOD	4.0	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD125-SW01-LF** ***Collected:*** **6/3/2017 9:10:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	360		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.089	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	6560		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	1.4	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	3.2	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	652		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.36	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3200		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	3.2	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	1.6	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1020		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	15400		100	LOD	400	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP70 **Laboratory: LLL**

EDD Filename: APP70-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD125-SW01-LF** ***Collected:*** **6/3/2017 9:10:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.81	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	12.2	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD125-SW01-LF** ***Collected:*** **6/3/2017 9:10:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	18.7		2.0	LOD	4.0	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP70 **Laboratory: LLL**

EDD Filename: APP70-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Reason Code Legend

Reason Code	*Description*
Ld	Laboratory Duplicate Precision
Ms	Matrix Spike Upper Estimation
ProfJudg	Professional Judgment
RI	Reporting Limit Trace Value
StoE	Sampling to Extraction Estimation

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP70 **Laboratory: LLL**

EDD Filename: APP70-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: **6020A**
Matrix: **WATER**

QC Sample ID (Associated Samples)	*Compound*	*MS %R*	*MSD %R*	*%R Limits*	*RPD (Limits)*	*Affected Compounds*	*Flag*
CH-SWSD123-SW01-LFMSD (Dissolved) (CH-SWSD123-SW01-LF)	ANTIMONY	-	119	85.00-117.00	-	ANTIMONY	J+ (all detects)

Lab Duplicate Outlier Report

Lab Reporting Batch ID: APP70 **Laboratory: LLL**

EDD Filename: APP70-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: 6020A
Matrix: WATER

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
CH-SWSD123-SW01-LFDUP (Dissolved) (CH-SWSD123-SW01-LF)	BERYLLIUM NICKEL VANADIUM	26 41 24	20.00 20.00 20.00	J (all detects) UJ (all non-detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: APP70 **Laboratory: LLL**

EDD Filename: APP70-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: 6020A
Matrix: WATER

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD115-SW01-F-LF (Dissolved)	CH-SWSD115-SW01D-F-LF (Dissolved)			
ALUMINUM	702	746	6	30.00	
BARIUM	20.0	22.3	11	30.00	
BERYLLIUM	0.19	0.18	5	30.00	
CADMIUM	0.15	1.0 U	200	30.00	
CALCIUM	5520	5480	1	30.00	
CHROMIUM	3.4	2.4	34	30.00	
COBALT	0.91	1.1	19	30.00	
COPPER	5.3	5.2	2	30.00	
IRON	1270	1260	1	30.00	No Qualifiers Applied
LEAD	1.0	0.96	4	30.00	
MAGNESIUM	3120	3120	0	30.00	
MANGANESE	67.8	70.4	4	30.00	
NICKEL	2.8	2.4	15	30.00	
POTASSIUM	1150	1190	3	30.00	
SODIUM	16100	16400	2	30.00	
VANADIUM	1.5	1.6	6	30.00	
ZINC	22.3	21.1	6	30.00	

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD055-SW01-LF (Dissolved)	CH-SWSD055-SW01D-LF (Dissolved)			
ALUMINUM	131	145	10	30.00	
BARIUM	11.6	10.9	6	30.00	
CALCIUM	4900	5110	4	30.00	
CHROMIUM	2.1	2.4	13	30.00	
COPPER	2.0	2.1	5	30.00	
IRON	507	532	5	30.00	
LEAD	0.20	0.19	5	30.00	No Qualifiers Applied
MAGNESIUM	2990	2930	2	30.00	
MANGANESE	1.6	1.4	13	30.00	
POTASSIUM	1300	1310	1	30.00	
SODIUM	16900	16900	0	30.00	
VANADIUM	0.49	0.52	6	30.00	
ZINC	5.2	5.7	9	30.00	

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD120-SW01-LF (Dissolved)	CH-SWSD120-SW01D-LF (Dissolved)			
ALUMINUM	782	812	4	30.00	
BARIUM	21.9	21.6	1	30.00	
BERYLLIUM	0.22	0.20	10	30.00	
CALCIUM	5270	5170	2	30.00	
CHROMIUM	3.5	2.8	22	30.00	
COBALT	0.19	0.18	5	30.00	
COPPER	6.0	6.0	0	30.00	
IRON	1170	1230	5	30.00	
LEAD	0.76	0.66	14	30.00	No Qualifiers Applied
MAGNESIUM	3260	3410	4	30.00	
MANGANESE	4.6	6.2	30	30.00	
NICKEL	3.1	3.2	3	30.00	
POTASSIUM	1290	1330	3	30.00	
SODIUM	16900	17600	4	30.00	
VANADIUM	1.7	1.6	6	30.00	
ZINC	27.3	28.4	4	30.00	

Project Name and Number: Camp Hero - Camp Hero

Field Duplicate RPD Report

Lab Reporting Batch ID: APP70 **Laboratory: LLL**

EDD Filename: APP70-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: 6020A
Matrix: WATER

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD115-SW01-LF (Dissolved)	CH-SWSD115-SW01D-LF (Dissolved)			
ALUMINUM	758	672	12	30.00	
BARIUM	20.6	20.1	2	30.00	
BERYLLIUM	0.18	0.17	6	30.00	
CADMIUM	0.23	0.22	4	30.00	
CALCIUM	5400	5390	0	30.00	
CHROMIUM	3.7	3.0	21	30.00	
COBALT	0.21	1.0 U	200	30.00	
COPPER	6.0	5.4	11	30.00	
IRON	1260	1140	10	30.00	No Qualifiers Applied
LEAD	0.73	0.70	4	30.00	
MAGNESIUM	3200	3050	5	30.00	
MANGANESE	4.3	3.1	32	30.00	
NICKEL	2.7	2.0	30	30.00	
POTASSIUM	1200	1130	6	30.00	
SODIUM	16300	15500	5	30.00	
VANADIUM	1.7	1.5	12	30.00	
ZINC	23.8	20.3	16	30.00	

Method: SM 2340B
Matrix: WATER

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD115-SW01-F-LF	CH-SWSD115-SW01D-F-LF			
HARDNESS (AS CACO3)	26600	26500	0	30.00	No Qualifiers Applied

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD055-SW01-LF	CH-SWSD055-SW01D-LF			
HARDNESS (AS CACO3)	24500	24800	1	30.00	No Qualifiers Applied

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD120-SW01-LF	CH-SWSD120-SW01D-LF			
HARDNESS (AS CACO3)	26600	26900	1	30.00	No Qualifiers Applied

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD115-SW01-LF	CH-SWSD115-SW01D-LF			
HARDNESS (AS CACO3)	26700	26000	3	30.00	No Qualifiers Applied

Reporting Limit Outliers

Lab Reporting Batch ID: APP70 **Laboratory: LLL**

EDD Filename: APP70-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: **6020A**

Matrix: **WATER**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD051-SW01-LF	ALUMINUM	J	169	200	LOQ	ug/L	
	CHROMIUM	J	1.7	4.0	LOQ	ug/L	
	COPPER	J	1.8	4.0	LOQ	ug/L	
	LEAD	J	0.12	2.0	LOQ	ug/L	J (all detects)
	MANGANESE	J	1.6	4.0	LOQ	ug/L	
	VANADIUM	J	0.48	1.0	LOQ	ug/L	
	ZINC	J	5.2	30.0	LOQ	ug/L	
CH-SWSD052-SW01-LF	ALUMINUM	J	181	200	LOQ	ug/L	
	CHROMIUM	J	1.0	4.0	LOQ	ug/L	
	COPPER	J	2.2	4.0	LOQ	ug/L	
	LEAD	J	0.21	2.0	LOQ	ug/L	J (all detects)
	MANGANESE	J	1.9	4.0	LOQ	ug/L	
	VANADIUM	J	0.53	1.0	LOQ	ug/L	
CH-SWSD053-SW01-LF	ALUMINUM	J	171	200	LOQ	ug/L	
	CHROMIUM	J	2.4	4.0	LOQ	ug/L	
	COPPER	J	2.2	4.0	LOQ	ug/L	
	LEAD	J	0.20	2.0	LOQ	ug/L	J (all detects)
	MANGANESE	J	1.9	4.0	LOQ	ug/L	
	VANADIUM	J	0.50	1.0	LOQ	ug/L	
	ZINC	J	5.3	30.0	LOQ	ug/L	
CH-SWSD054-SW01-LF	ALUMINUM	J	171	200	LOQ	ug/L	
	CHROMIUM	J	2.8	4.0	LOQ	ug/L	
	COPPER	J	2.3	4.0	LOQ	ug/L	
	LEAD	J	0.14	2.0	LOQ	ug/L	J (all detects)
	MANGANESE	J	1.6	4.0	LOQ	ug/L	
	VANADIUM	J	0.51	1.0	LOQ	ug/L	
	ZINC	J	4.7	30.0	LOQ	ug/L	
CH-SWSD055-SW01D-LF	ALUMINUM	J	145	200	LOQ	ug/L	
	CHROMIUM	J	2.4	4.0	LOQ	ug/L	
	COPPER	J	2.1	4.0	LOQ	ug/L	
	LEAD	J	0.19	2.0	LOQ	ug/L	J (all detects)
	MANGANESE	J	1.4	4.0	LOQ	ug/L	
	VANADIUM	J	0.52	1.0	LOQ	ug/L	
	ZINC	J	5.7	30.0	LOQ	ug/L	
CH-SWSD055-SW01-LF	ALUMINUM	J	131	200	LOQ	ug/L	
	CHROMIUM	J	2.1	4.0	LOQ	ug/L	
	COPPER	J	2.0	4.0	LOQ	ug/L	
	LEAD	J	0.20	2.0	LOQ	ug/L	J (all detects)
	MANGANESE	J	1.6	4.0	LOQ	ug/L	
	VANADIUM	J	0.49	1.0	LOQ	ug/L	
	ZINC	J	5.2	30.0	LOQ	ug/L	
CH-SWSD115-SW01D-F-LF	BERYLLIUM	J	0.18	1.0	LOQ	ug/L	
	CHROMIUM	J	2.4	4.0	LOQ	ug/L	
	LEAD	J	0.96	2.0	LOQ	ug/L	J (all detects)
	NICKEL	J	2.4	4.0	LOQ	ug/L	
	ZINC	J	21.1	30.0	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: APP70 **Laboratory: LLL**

EDD Filename: APP70-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: **6020A**

Matrix: **WATER**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD115-SW01D-LF	BERYLLIUM	J	0.17	1.0	LOQ	ug/L	
	CADMIUM	J	0.22	1.0	LOQ	ug/L	
	CHROMIUM	J	3.0	4.0	LOQ	ug/L	
	LEAD	J	0.70	2.0	LOQ	ug/L	J (all detects)
	MANGANESE	J	3.1	4.0	LOQ	ug/L	
	NICKEL	J	2.0	4.0	LOQ	ug/L	
	ZINC	J	20.3	30.0	LOQ	ug/L	
CH-SWSD115-SW01-F-LF	BERYLLIUM	J	0.19	1.0	LOQ	ug/L	
	CADMIUM	J	0.15	1.0	LOQ	ug/L	
	CHROMIUM	J	3.4	4.0	LOQ	ug/L	
	COBALT	J	0.91	1.0	LOQ	ug/L	J (all detects)
	LEAD	J	1.0	2.0	LOQ	ug/L	
	NICKEL	J	2.8	4.0	LOQ	ug/L	
	ZINC	J	22.3	30.0	LOQ	ug/L	
CH-SWSD115-SW01-LF	BERYLLIUM	J	0.18	1.0	LOQ	ug/L	
	CADMIUM	J	0.23	1.0	LOQ	ug/L	
	CHROMIUM	J	3.7	4.0	LOQ	ug/L	
	COBALT	J	0.21	1.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.73	2.0	LOQ	ug/L	
	NICKEL	J	2.7	4.0	LOQ	ug/L	
	ZINC	J	23.8	30.0	LOQ	ug/L	
CH-SWSD119-SW01-LF	BERYLLIUM	J	0.20	1.0	LOQ	ug/L	
	CADMIUM	J	0.15	1.0	LOQ	ug/L	
	CHROMIUM	J	3.4	4.0	LOQ	ug/L	
	COBALT	J	0.22	1.0	LOQ	ug/L	
	LEAD	J	0.68	2.0	LOQ	ug/L	J (all detects)
	MANGANESE	J	3.7	4.0	LOQ	ug/L	
	NICKEL	J	2.6	4.0	LOQ	ug/L	
	ZINC	J	23.6	30.0	LOQ	ug/L	
CH-SWSD120-SW01D-LF	BERYLLIUM	J	0.20	1.0	LOQ	ug/L	
	CHROMIUM	J	2.8	4.0	LOQ	ug/L	
	COBALT	J	0.18	1.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.66	2.0	LOQ	ug/L	
	NICKEL	J	3.2	4.0	LOQ	ug/L	
	ZINC	J	28.4	30.0	LOQ	ug/L	
CH-SWSD120-SW01-LF	BERYLLIUM	J	0.22	1.0	LOQ	ug/L	
	CHROMIUM	J	3.5	4.0	LOQ	ug/L	
	COBALT	J	0.19	1.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.76	2.0	LOQ	ug/L	
	NICKEL	J	3.1	4.0	LOQ	ug/L	
	ZINC	J	27.3	30.0	LOQ	ug/L	
CH-SWSD121-SW01-LF	BERYLLIUM	J	0.14	1.0	LOQ	ug/L	
	CHROMIUM	J	3.1	4.0	LOQ	ug/L	
	COBALT	J	0.20	1.0	LOQ	ug/L	
	LEAD	J	0.57	2.0	LOQ	ug/L	J (all detects)
	MANGANESE	J	3.5	4.0	LOQ	ug/L	
	NICKEL	J	2.1	4.0	LOQ	ug/L	
	ZINC	J	17.6	30.0	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: APP70 **Laboratory: LLL**

EDD Filename: APP70-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: **6020A**

Matrix: **WATER**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD122-SW01-LF	BERYLLIUM	J	0.098	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	3.3	4.0	LOQ	ug/L	
	COPPER	J	3.5	4.0	LOQ	ug/L	
	LEAD	J	0.38	2.0	LOQ	ug/L	
	MANGANESE	J	3.3	4.0	LOQ	ug/L	
	NICKEL	J	1.6	4.0	LOQ	ug/L	
	VANADIUM	J	0.67	1.0	LOQ	ug/L	
	ZINC	J	12.7	30.0	LOQ	ug/L	
CH-SWSD123-SW01-LF	BERYLLIUM	J	0.11	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	2.8	4.0	LOQ	ug/L	
	COPPER	J	3.8	4.0	LOQ	ug/L	
	LEAD	J	0.37	2.0	LOQ	ug/L	
	MANGANESE	J	3.2	4.0	LOQ	ug/L	
	NICKEL	J	1.2	4.0	LOQ	ug/L	
	VANADIUM	J	0.96	1.0	LOQ	ug/L	
	ZINC	J	12.3	30.0	LOQ	ug/L	
CH-SWSD124-SW01-LF	BERYLLIUM	J	0.093	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	2.9	4.0	LOQ	ug/L	
	COPPER	J	3.6	4.0	LOQ	ug/L	
	LEAD	J	0.43	2.0	LOQ	ug/L	
	MANGANESE	J	3.5	4.0	LOQ	ug/L	
	NICKEL	J	1.8	4.0	LOQ	ug/L	
	VANADIUM	J	0.99	1.0	LOQ	ug/L	
	ZINC	J	11.4	30.0	LOQ	ug/L	
CH-SWSD125-SW01-LF	BERYLLIUM	J	0.089	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.4	4.0	LOQ	ug/L	
	COPPER	J	3.2	4.0	LOQ	ug/L	
	LEAD	J	0.36	2.0	LOQ	ug/L	
	MANGANESE	J	3.2	4.0	LOQ	ug/L	
	NICKEL	J	1.6	4.0	LOQ	ug/L	
	VANADIUM	J	0.81	1.0	LOQ	ug/L	
	ZINC	J	12.2	30.0	LOQ	ug/L	

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Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page	1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.		
Laboratory SDG:	APP71 (data gap lab-filtered surface water samples)		
Date(s) of Collection:	June 5th, 2017		
Number/Type Samples & Analyses:	17 surface water samples plus 1 MS/MSD and 4 field duplicates for a project-specific list of metals (lab filtered samples)		
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA		
Completed:	October 11th, 2017		

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for surface water data included in Sample Delivery Group (SDG) APP71. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017.

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✗ Holding times and sample preservation

✓ Laboratory method blank data

✓ Field rinsate blank data

NA Trip blank data

✓ Laboratory control sample (LCS) recoveries

✓ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✓ Surrogate recoveries

✗ Laboratory duplicate results

✗ Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of "J" data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

At AECOM's request, the laboratory filtered the surface water samples through a 0.45 µm and analyzed for dissolved metals by 6020A. Since the filtration occurred after receipt in the laboratory, the recommended holding time criteria of 15-minutes was exceeded. The lab-filtered results are flagged "J" and "UJ" for detected and non-detected results, respectively indicating that the results are estimated values. If the original results were nondetects and the lab-filtered results were detected, the result will be rejected ("R" flag).

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The result is rejected and not usable. Original results were nondetects and the lab-filtered results were detected.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP71 **Laboratory: LLL**

EDD Filename: APP71-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Validation Area	*Note*
Technical Holding Times	SR
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	SR
Surrogate/Tracer Spikes	N
Matrix Spike/Matrix Spike Duplicates	SR
Laboratory Duplicates	SR
Laboratory Replicates	N
Laboratory Control Samples	A
Compound Quantitation	SR
Field Duplicates	A
Field Triplicates	N
Field Blanks	N

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP71 **Laboratory: LLL**

EDD Filename: APP71-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **GENCHEM**

Method: **SM 2340B** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD045-SW01D-LF** ***Collected:*** **6/6/2017 8:30:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	22000		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD045-SW01-LF** ***Collected:*** **6/6/2017 8:30:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	23300		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD080-SW01-LF** ***Collected:*** **6/5/2017 4:15:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	17400		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD081-SW01D-LF** ***Collected:*** **6/5/2017 3:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	17500		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD081-SW01-LF** ***Collected:*** **6/5/2017 3:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	17000		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD082-SW01-LF** ***Collected:*** **6/5/2017 3:20:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	17200		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD083-SW01-LF** ***Collected:*** **6/5/2017 3:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	16900		200	LOD	400	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP71 **Laboratory: LLL**

EDD Filename: APP71-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **GENCHEM**

Method: **SM 2340B** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD084-SW01-LF** ***Collected:*** **6/5/2017 2:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	16800		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD085-SW01D-LF** ***Collected:*** **6/5/2017 2:15:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	16100		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD085-SW01-LF** ***Collected:*** **6/5/2017 2:15:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	16800		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD086-SW01-LF** ***Collected:*** **6/5/2017 1:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	16100		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD087-SW01-LF** ***Collected:*** **6/5/2017 2:20:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	15800		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD088-SW01-LF** ***Collected:*** **6/5/2017 1:10:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	17000		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD089-SW01-LF** ***Collected:*** **6/5/2017 1:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	16600		200	LOD	400	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP71 **Laboratory: LLL**

EDD Filename: APP71-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **GENCHEM**

Method: **SM 2340B** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD090-SW01-LF** ***Collected:*** **6/5/2017 11:45:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	16700		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD091-SW01-LF** ***Collected:*** **6/5/2017 11:30:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	16600		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD092-SW01-LF** ***Collected:*** **6/5/2017 11:15:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	17200		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD093-SW01-LF** ***Collected:*** **6/5/2017 10:30:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	17000		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD094-SW01-LF** ***Collected:*** **6/5/2017 9:40:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	17000		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD095-SW01D-LF** ***Collected:*** **6/5/2017 9:30:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	16700		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD095-SW01-LF** ***Collected:*** **6/5/2017 9:30:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	16400		200	LOD	400	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP71 **Laboratory: LLL**

EDD Filename: APP71-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD045-SW01D-LF** ***Collected:*** **6/6/2017 8:30:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	247		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	19.5		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.10	J	0.25	LOD	1.0	LOQ	ug/L	R	RI, StoE, ProfJudg
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	3950		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.6	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	2.2	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	715		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.26	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2950		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	4.9		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.2	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1190		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	15900		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.0	J	0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	5.3	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD045-SW01-LF** ***Collected:*** **6/6/2017 8:30:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	258		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	17.0		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.10	J	0.25	LOD	1.0	LOQ	ug/L	R	RI, StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP71 **Laboratory: LLL**

EDD Filename: APP71-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD045-SW01-LF** ***Collected:*** **6/6/2017 8:30:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	4300		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	3.0	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	2.7	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	711		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.28	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3050		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	5.4		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.3	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1290		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	15400		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.81	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	6.5	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD080-SW01-LF** ***Collected:*** **6/5/2017 4:15:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	555		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	24.7		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.20	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	2170		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.8	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.47	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	2.7	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP71 **Laboratory: LLL**

EDD Filename: APP71-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD080-SW01-LF** ***Collected:*** **6/5/2017 4:15:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
IRON	261		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.51	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2910		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	23.7		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.4	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	836		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	18600		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.2		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	8.6	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD081-SW01D-LF** ***Collected:*** **6/5/2017 3:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	508		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	23.3		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.16	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	2170		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	1.4	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.68	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	1.9	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	234		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.30	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2940		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	24.1		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	2.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	855		200	LOD	400	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP71 **Laboratory: LLL**

EDD Filename: APP71-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD081-SW01D-LF** ***Collected:*** **6/5/2017 3:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	19000		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.1		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	9.1	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD081-SW01-LF** ***Collected:*** **6/5/2017 3:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	525		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.18	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	2080		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	1.1	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.58	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	2.4	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	226		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.50	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2870		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	23.1		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	879		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	18800		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.83	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	10.1	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP71 **Laboratory: LLL**

EDD Filename: APP71-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD081-SW01-LF** ***Collected:*** **6/5/2017 3:45:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	26.3		2.0	LOD	4.0	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD082-SW01-LF** ***Collected:*** **6/5/2017 3:20:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	553		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	29.3		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.18	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CHROMIUM	2.4	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.63	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	2.5	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	249		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.47	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2880		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	20.9		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	828		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	18500		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.3		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	10.0	J	7.5	LOD	30.0	LOQ	ug/L	R	RI, StoE, ProfJudg

Sample ID: **CH-SWSD082-SW01-LF** ***Collected:*** **6/5/2017 3:20:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	2130		200	LOD	400	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP71 **Laboratory: LLL**

EDD Filename: APP71-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD083-SW01-LF** ***Collected:*** **6/5/2017 3:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	527		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	25.1		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.19	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	2060		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	1.6	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.62	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	2.5	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	267		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.46	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2860		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	22.4		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.0	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	851		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	18400		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.1		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	9.9	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD084-SW01-LF** ***Collected:*** **6/5/2017 2:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	492		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	26.5		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.16	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP71 **Laboratory: LLL**

EDD Filename: APP71-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD084-SW01-LF** ***Collected:*** **6/5/2017 2:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	1880		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.6	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.73	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	2.5	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	232		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.50	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2930		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	22.7		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.3	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	901		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	18800		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.2		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	9.4	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD085-SW01D-LF** ***Collected:*** **6/5/2017 2:15:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	505		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	26.6		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.17	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	1800		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.4	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.52	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	2.7	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	214		100	LOD	200	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP71 **Laboratory: LLL**

EDD Filename: APP71-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD085-SW01D-LF** ***Collected:*** **6/5/2017 2:15:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
LEAD	0.56	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2820		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	22.0		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	863		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	18100		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.0		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	9.3	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD085-SW01-LF** ***Collected:*** **6/5/2017 2:15:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	493		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	26.3		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.17	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	2150		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.7	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.59	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	2.6	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	239		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.54	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2780		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	24.3		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.2	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	827		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP71 **Laboratory: LLL**

EDD Filename: APP71-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD085-SW01-LF** ***Collected:*** **6/5/2017 2:15:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	18000		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.1		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	9.4	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD086-SW01-LF** ***Collected:*** **6/5/2017 1:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	492		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.17	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	1970		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.8	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.66	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	2.6	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	243		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.51	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2710		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	22.7		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.2	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	789		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	17500		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.3		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	9.4	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP71 **Laboratory: LLL**

EDD Filename: APP71-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD086-SW01-LF** ***Collected:*** **6/5/2017 1:45:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	24.3		2.0	LOD	4.0	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD087-SW01-LF** ***Collected:*** **6/5/2017 2:20:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	483		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	21.9		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.18	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	1940		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	1.2	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.62	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	2.4	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	217		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.48	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2660		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	23.1		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.0	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	807		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	17500		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.94	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	9.0	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD088-SW01-LF** ***Collected:*** **6/5/2017 1:10:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	541		50.0	LOD	200	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP71 **Laboratory: LLL**

EDD Filename: APP71-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD088-SW01-LF** ***Collected:*** **6/5/2017 1:10:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	25.4		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.18	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	2150		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.9	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.65	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	3.3	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	319		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.65	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2830		25.0	LOD	200	LOQ	ug/L	J	StoE
NICKEL	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	897		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	22900		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.3		0.50	LOD	1.0	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD088-SW01-LF** ***Collected:*** **6/5/2017 1:10:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MANGANESE	29.5		2.0	LOD	4.0	LOQ	ug/L	J	StoE
ZINC	11.4	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD089-SW01-LF** ***Collected:*** **6/5/2017 1:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	522		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP71 **Laboratory: LLL**

EDD Filename: APP71-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD089-SW01-LF** ***Collected:*** **6/5/2017 1:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
BARIUM	24.7		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.18	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	2070		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	17.6		2.0	LOD	4.0	LOQ	ug/L	R	StoE, ProfJudg
COBALT	0.90	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	2.7	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	335		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.64	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2780		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	29.8		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	4.5		2.0	LOD	4.0	LOQ	ug/L	J	StoE
POTASSIUM	891		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	17900		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.4		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	10.1	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD090-SW01-LF** ***Collected:*** **6/5/2017 11:45:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
ALUMINUM	460		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	23.9		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.15	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	2200		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.3	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.61	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP71 **Laboratory: LLL**

EDD Filename: APP71-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD090-SW01-LF** ***Collected:*** **6/5/2017 11:45:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
COPPER	2.9	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	298		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.59	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2720		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	31.2		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	884		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	17300		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.0		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	10.6	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD091-SW01-LF** ***Collected:*** **6/5/2017 11:30:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
ALUMINUM	509		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	23.4		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.14	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	2100		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.5	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.58	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	2.5	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	323		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.61	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2750		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	29.9		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.4	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP71 **Laboratory: LLL**

EDD Filename: APP71-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD091-SW01-LF** ***Collected:*** **6/5/2017 11:30:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
POTASSIUM	928		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	17900		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.99	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	9.5	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD092-SW01-LF** ***Collected:*** **6/5/2017 11:15:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	507		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	21.8		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.14	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	2280		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.9	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.58	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	2.7	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	341		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.54	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2790		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	33.4		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	926		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	18000		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.4		0.50	LOD	1.0	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP71 **Laboratory: LLL**

EDD Filename: APP71-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD092-SW01-LF** ***Collected:*** **6/5/2017 11:15:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ZINC	9.6	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD093-SW01-LF** ***Collected:*** **6/5/2017 10:30:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	553		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	23.7		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.16	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	Ms, StoE
CALCIUM	2080		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	1.6	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.65	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	2.5	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	361		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.66	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2870		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	31.5		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	Ld, StoE
POTASSIUM	960		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	18200		100	LOD	400	LOQ	ug/L	J	Ms, StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.3		0.50	LOD	1.0	LOQ	ug/L	J	Ld, StoE
ZINC	10.6	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD094-SW01-LF** ***Collected:*** **6/5/2017 9:40:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	519		50.0	LOD	200	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP71 **Laboratory: LLL**

EDD Filename: APP71-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD094-SW01-LF** ***Collected:*** **6/5/2017 9:40:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	21.5		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.16	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	2400		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	3.2	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.67	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	3.0	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	289		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.58	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2670		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	28.5		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.0	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	925		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	17100		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.94	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	10.5	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD095-SW01D-LF** ***Collected:*** **6/5/2017 9:30:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	557		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	23.1		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.15	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	2230		200	LOD	400	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP71 **Laboratory: LLL**

EDD Filename: APP71-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD095-SW01D-LF** ***Collected:*** **6/5/2017 9:30:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	3.0	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.64	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	4.5		1.0	LOD	4.0	LOQ	ug/L	J	StoE
IRON	314		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.56	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2700		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	29.9		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.7	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	909		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	17600		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.0		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	10.2	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD095-SW01-LF** ***Collected:*** **6/5/2017 9:30:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	517		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	23.7		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.15	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	2130		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	3.1	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.65	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	3.0	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	301		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.59	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP71 **Laboratory: LLL**

EDD Filename: APP71-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD095-SW01-LF** ***Collected:*** **6/5/2017 9:30:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
MAGNESIUM	2680		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	31.7		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.6	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	959		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	17200		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.3		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	9.1	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP71 **Laboratory: LLL**

EDD Filename: APP71-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Reason Code Legend

Reason Code	*Description*
Ld	Laboratory Duplicate Precision
Mb	Method Blank Contamination
Ms	Matrix Spike Lower Estimation
Ms	Matrix Spike Precision
Ms	Matrix Spike Upper Estimation
ProfJudg	Professional Judgment
RI	Reporting Limit Trace Value
StoE	Sampling to Extraction Estimation

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP71 **Laboratory: LLL**

EDD Filename: APP71-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: **6020A**
Matrix: **WATER**

QC Sample ID (Associated Samples)	*Compound*	*MS %R*	*MSD %R*	*%R Limits*	*RPD (Limits)*	*Affected Compounds*	*Flag*
CH-SWSD093-SW01-LFMSD (Dissolved) (CH-SWSD093-SW01-LF)	CADMIUM	-	116	87.00-115.00	25 (20.00)	CADMIUM	J (all detects) UJ (all non-detects)
CH-SWSD093-SW01-LFMS (Dissolved) CH-SWSD093-SW01-LFMSD (Dissolved) (CH-SWSD093-SW01-LF)	SODIUM	76	78	85.00-117.00	-	SODIUM	J-(all detects) UJ(all non-detects)

Lab Duplicate Outlier Report

Lab Reporting Batch ID: APP71 **Laboratory: LLL**

EDD Filename: APP71-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: 6020A
Matrix: WATER

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
CH-SWSD093-SW01-LFDUP (Dissolved) (CH-SWSD093-SW01-LF)	NICKEL VANADIUM	200 28	20.00 20.00	J (all detects) UJ (all non-detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: APP71 **Laboratory: LLL**

EDD Filename: APP71-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: 6020A
Matrix: WATER

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD085-SW01-LF (Dissolved)	CH-SWSD085-SW01D-LF (Dissolved)			
ALUMINUM	493	505	2	30.00	
BARIUM	26.3	26.6	1	30.00	
BERYLLIUM	0.17	0.17	0	30.00	
CALCIUM	2150	1800	18	30.00	
CHROMIUM	2.7	2.4	12	30.00	
COBALT	0.59	0.52	13	30.00	
COPPER	2.6	2.7	4	30.00	
IRON	239	214	11	30.00	
LEAD	0.54	0.56	4	30.00	No Qualifiers Applied
MAGNESIUM	2780	2820	1	30.00	
MANGANESE	24.3	22.0	10	30.00	
NICKEL	1.2	4.0 U	200	30.00	
POTASSIUM	827	863	4	30.00	
SODIUM	18000	18100	1	30.00	
VANADIUM	1.1	1.0	10	30.00	
ZINC	9.4	9.3	1	30.00	

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD081-SW01-LF (Dissolved)	CH-SWSD081-SW01D-LF (Dissolved)			
ALUMINUM	525	508	3	30.00	
BARIUM	26.3	23.3	12	30.00	
BERYLLIUM	0.18	0.16	12	30.00	
CALCIUM	2080	2170	4	30.00	
CHROMIUM	1.1	1.4	24	30.00	
COBALT	0.58	0.68	16	30.00	
COPPER	2.4	1.9	23	30.00	
IRON	226	234	3	30.00	
LEAD	0.50	0.30	50	30.00	No Qualifiers Applied
MAGNESIUM	2870	2940	2	30.00	
MANGANESE	23.1	24.1	4	30.00	
NICKEL	1.1	2.1	62	30.00	
POTASSIUM	879	855	3	30.00	
SODIUM	18800	19000	1	30.00	
VANADIUM	0.83	1.1	28	30.00	
ZINC	10.1	9.1	10	30.00	

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD045-SW01-LF (Dissolved)	CH-SWSD045-SW01D-LF (Dissolved)			
ALUMINUM	258	247	4	30.00	
BARIUM	17.0	19.5	14	30.00	
BERYLLIUM	0.10	0.10	0	30.00	
CALCIUM	4300	3950	8	30.00	
CHROMIUM	3.0	2.6	14	30.00	
COPPER	2.7	2.2	20	30.00	
IRON	711	715	1	30.00	
LEAD	0.28	0.26	7	30.00	No Qualifiers Applied
MAGNESIUM	3050	2950	3	30.00	
MANGANESE	5.4	4.9	10	30.00	
NICKEL	1.3	1.2	8	30.00	
POTASSIUM	1290	1190	8	30.00	
SODIUM	15400	15900	3	30.00	
VANADIUM	0.81	1.0	21	30.00	
ZINC	6.5	5.3	20	30.00	

Project Name and Number: Camp Hero - Camp Hero

Field Duplicate RPD Report

Lab Reporting Batch ID: APP71 **Laboratory: LLL**

EDD Filename: APP71-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: 6020A
Matrix: WATER

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD095-SW01-LF (Dissolved)	CH-SWSD095-SW01D-LF (Dissolved)			
ALUMINUM	517	557	7	30.00	No Qualifiers Applied
BARIUM	23.7	23.1	3	30.00	
BERYLLIUM	0.15	0.15	0	30.00	
CALCIUM	2130	2230	5	30.00	
CHROMIUM	3.1	3.0	3	30.00	
COBALT	0.65	0.64	2	30.00	
COPPER	3.0	4.5	40	30.00	
IRON	301	314	4	30.00	
LEAD	0.59	0.56	5	30.00	
MAGNESIUM	2680	2700	1	30.00	
MANGANESE	31.7	29.9	6	30.00	
NICKEL	1.6	1.7	6	30.00	
POTASSIUM	959	909	5	30.00	
SODIUM	17200	17600	2	30.00	
VANADIUM	1.3	1.0	26	30.00	
ZINC	9.1	10.2	11	30.00	

Method: SM 2340B
Matrix: WATER

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD081-SW01-LF	CH-SWSD081-SW01D-LF			
HARDNESS (AS CACO3)	17000	17500	3	30.00	No Qualifiers Applied

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD085-SW01-LF	CH-SWSD085-SW01D-LF			
HARDNESS (AS CACO3)	16800	16100	4	30.00	No Qualifiers Applied

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD095-SW01-LF	CH-SWSD095-SW01D-LF			
HARDNESS (AS CACO3)	16400	16700	2	30.00	No Qualifiers Applied

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD045-SW01-LF	CH-SWSD045-SW01D-LF			
HARDNESS (AS CACO3)	23300	22000	6	30.00	No Qualifiers Applied

Reporting Limit Outliers

Lab Reporting Batch ID: APP71 **Laboratory: LLL**

EDD Filename: APP71-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: **6020A**

Matrix: **WATER**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD045-SW01D-LF	BERYLLIUM	J	0.10	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	2.6	4.0	LOQ	ug/L	
	COPPER	J	2.2	4.0	LOQ	ug/L	
	LEAD	J	0.26	2.0	LOQ	ug/L	
	NICKEL	J	1.2	4.0	LOQ	ug/L	
	ZINC	J	5.3	30.0	LOQ	ug/L	
CH-SWSD045-SW01-LF	BERYLLIUM	J	0.10	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	3.0	4.0	LOQ	ug/L	
	COPPER	J	2.7	4.0	LOQ	ug/L	
	LEAD	J	0.28	2.0	LOQ	ug/L	
	NICKEL	J	1.3	4.0	LOQ	ug/L	
	VANADIUM	J	0.81	1.0	LOQ	ug/L	
	ZINC	J	6.5	30.0	LOQ	ug/L	
CH-SWSD080-SW01-LF	BERYLLIUM	J	0.20	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	2.8	4.0	LOQ	ug/L	
	COBALT	J	0.47	1.0	LOQ	ug/L	
	COPPER	J	2.7	4.0	LOQ	ug/L	
	LEAD	J	0.51	2.0	LOQ	ug/L	
	NICKEL	J	1.4	4.0	LOQ	ug/L	
	ZINC	J	8.6	30.0	LOQ	ug/L	
CH-SWSD081-SW01D-LF	BERYLLIUM	J	0.16	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.4	4.0	LOQ	ug/L	
	COBALT	J	0.68	1.0	LOQ	ug/L	
	COPPER	J	1.9	4.0	LOQ	ug/L	
	LEAD	J	0.30	2.0	LOQ	ug/L	
	NICKEL	J	2.1	4.0	LOQ	ug/L	
	ZINC	J	9.1	30.0	LOQ	ug/L	
CH-SWSD081-SW01-LF	BERYLLIUM	J	0.18	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.1	4.0	LOQ	ug/L	
	COBALT	J	0.58	1.0	LOQ	ug/L	
	COPPER	J	2.4	4.0	LOQ	ug/L	
	LEAD	J	0.50	2.0	LOQ	ug/L	
	NICKEL	J	1.1	4.0	LOQ	ug/L	
	VANADIUM	J	0.83	1.0	LOQ	ug/L	
	ZINC	J	10.1	30.0	LOQ	ug/L	
CH-SWSD082-SW01-LF	BERYLLIUM	J	0.18	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	2.4	4.0	LOQ	ug/L	
	COBALT	J	0.63	1.0	LOQ	ug/L	
	COPPER	J	2.5	4.0	LOQ	ug/L	
	LEAD	J	0.47	2.0	LOQ	ug/L	
	NICKEL	J	1.1	4.0	LOQ	ug/L	
	ZINC	J	10.0	30.0	LOQ	ug/L	
CH-SWSD083-SW01-LF	BERYLLIUM	J	0.19	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.6	4.0	LOQ	ug/L	
	COBALT	J	0.62	1.0	LOQ	ug/L	
	COPPER	J	2.5	4.0	LOQ	ug/L	
	LEAD	J	0.46	2.0	LOQ	ug/L	
	NICKEL	J	1.0	4.0	LOQ	ug/L	
	ZINC	J	9.9	30.0	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: APP71 **Laboratory: LLL**

EDD Filename: APP71-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: **6020A**

Matrix: **WATER**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD084-SW01-LF	BERYLLIUM	J	0.16	1.0	LOQ	ug/L	
	CHROMIUM	J	2.6	4.0	LOQ	ug/L	
	COBALT	J	0.73	1.0	LOQ	ug/L	
	COPPER	J	2.5	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.50	2.0	LOQ	ug/L	
	NICKEL	J	1.3	4.0	LOQ	ug/L	
	ZINC	J	9.4	30.0	LOQ	ug/L	
CH-SWSD085-SW01D-LF	BERYLLIUM	J	0.17	1.0	LOQ	ug/L	
	CHROMIUM	J	2.4	4.0	LOQ	ug/L	
	COBALT	J	0.52	1.0	LOQ	ug/L	
	COPPER	J	2.7	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.56	2.0	LOQ	ug/L	
	ZINC	J	9.3	30.0	LOQ	ug/L	
CH-SWSD085-SW01-LF	BERYLLIUM	J	0.17	1.0	LOQ	ug/L	
	CHROMIUM	J	2.7	4.0	LOQ	ug/L	
	COBALT	J	0.59	1.0	LOQ	ug/L	
	COPPER	J	2.6	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.54	2.0	LOQ	ug/L	
	NICKEL	J	1.2	4.0	LOQ	ug/L	
	ZINC	J	9.4	30.0	LOQ	ug/L	
CH-SWSD086-SW01-LF	BERYLLIUM	J	0.17	1.0	LOQ	ug/L	
	CHROMIUM	J	2.8	4.0	LOQ	ug/L	
	COBALT	J	0.66	1.0	LOQ	ug/L	
	COPPER	J	2.6	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.51	2.0	LOQ	ug/L	
	NICKEL	J	1.2	4.0	LOQ	ug/L	
	ZINC	J	9.4	30.0	LOQ	ug/L	
CH-SWSD087-SW01-LF	BERYLLIUM	J	0.18	1.0	LOQ	ug/L	
	CHROMIUM	J	1.2	4.0	LOQ	ug/L	
	COBALT	J	0.62	1.0	LOQ	ug/L	
	COPPER	J	2.4	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.48	2.0	LOQ	ug/L	
	NICKEL	J	1.0	4.0	LOQ	ug/L	
	VANADIUM	J	0.94	1.0	LOQ	ug/L	
	ZINC	J	9.0	30.0	LOQ	ug/L	
CH-SWSD088-SW01-LF	BERYLLIUM	J	0.18	1.0	LOQ	ug/L	
	CHROMIUM	J	2.9	4.0	LOQ	ug/L	
	COBALT	J	0.65	1.0	LOQ	ug/L	
	COPPER	J	3.3	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.65	2.0	LOQ	ug/L	
	NICKEL	J	1.1	4.0	LOQ	ug/L	
	ZINC	J	11.4	30.0	LOQ	ug/L	
CH-SWSD089-SW01-LF	BERYLLIUM	J	0.18	1.0	LOQ	ug/L	
	COBALT	J	0.90	1.0	LOQ	ug/L	
	COPPER	J	2.7	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.64	2.0	LOQ	ug/L	
	ZINC	J	10.1	30.0	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: APP71 **Laboratory: LLL**

EDD Filename: APP71-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: **6020A**

Matrix: **WATER**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD090-SW01-LF	BERYLLIUM	J	0.15	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	2.3	4.0	LOQ	ug/L	
	COBALT	J	0.61	1.0	LOQ	ug/L	
	COPPER	J	2.9	4.0	LOQ	ug/L	
	LEAD	J	0.59	2.0	LOQ	ug/L	
	NICKEL	J	1.1	4.0	LOQ	ug/L	
	ZINC	J	10.6	30.0	LOQ	ug/L	
CH-SWSD091-SW01-LF	BERYLLIUM	J	0.14	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	2.5	4.0	LOQ	ug/L	
	COBALT	J	0.58	1.0	LOQ	ug/L	
	COPPER	J	2.5	4.0	LOQ	ug/L	
	LEAD	J	0.61	2.0	LOQ	ug/L	
	NICKEL	J	1.4	4.0	LOQ	ug/L	
	VANADIUM	J	0.99	1.0	LOQ	ug/L	
	ZINC	J	9.5	30.0	LOQ	ug/L	
CH-SWSD092-SW01-LF	BERYLLIUM	J	0.14	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	2.9	4.0	LOQ	ug/L	
	COBALT	J	0.58	1.0	LOQ	ug/L	
	COPPER	J	2.7	4.0	LOQ	ug/L	
	LEAD	J	0.54	2.0	LOQ	ug/L	
	NICKEL	J	1.1	4.0	LOQ	ug/L	
	ZINC	J	9.6	30.0	LOQ	ug/L	
CH-SWSD093-SW01-LF	BERYLLIUM	J	0.16	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.6	4.0	LOQ	ug/L	
	COBALT	J	0.65	1.0	LOQ	ug/L	
	COPPER	J	2.5	4.0	LOQ	ug/L	
	LEAD	J	0.66	2.0	LOQ	ug/L	
	ZINC	J	10.6	30.0	LOQ	ug/L	
CH-SWSD094-SW01-LF	BERYLLIUM	J	0.16	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	3.2	4.0	LOQ	ug/L	
	COBALT	J	0.67	1.0	LOQ	ug/L	
	COPPER	J	3.0	4.0	LOQ	ug/L	
	LEAD	J	0.58	2.0	LOQ	ug/L	
	NICKEL	J	1.0	4.0	LOQ	ug/L	
	VANADIUM	J	0.94	1.0	LOQ	ug/L	
	ZINC	J	10.5	30.0	LOQ	ug/L	
CH-SWSD095-SW01D-LF	BERYLLIUM	J	0.15	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	3.0	4.0	LOQ	ug/L	
	COBALT	J	0.64	1.0	LOQ	ug/L	
	LEAD	J	0.56	2.0	LOQ	ug/L	
	NICKEL	J	1.7	4.0	LOQ	ug/L	
	ZINC	J	10.2	30.0	LOQ	ug/L	
CH-SWSD095-SW01-LF	BERYLLIUM	J	0.15	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	3.1	4.0	LOQ	ug/L	
	COBALT	J	0.65	1.0	LOQ	ug/L	
	COPPER	J	3.0	4.0	LOQ	ug/L	
	LEAD	J	0.59	2.0	LOQ	ug/L	
	NICKEL	J	1.6	4.0	LOQ	ug/L	
	ZINC	J	9.1	30.0	LOQ	ug/L	

Method Blank Outlier Report

Lab Reporting Batch ID: APP71 **Laboratory: LLL**

EDD Filename: APP71-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: **6020A**
Matrix: **WATER**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P27263BB272063902	10/5/2017 3:33:00 PM	MANGANESE SODIUM	1.4 ug/L 58.2 ug/L	CH-SWSD088-SW01-LF

Project Name and Number: Camp Hero - Camp Hero

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Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page 1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.	
Laboratory SDG:	APP72 (data gap lab-filtered surface water samples)	
Date(s) of Collection:	June 6th, 2017	
Number/Type Samples & Analyses:	19 surface water samples plus 3 field duplicates for a project-specific list of metals (lab filtered samples)	
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA	
Completed:	October 11th, 2017	

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for surface water data included in Sample Delivery Group (SDG) APP72. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017.

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✗ Holding times and sample preservation

✗ Laboratory method blank data

✓ Field rinsate blank data

NA Trip blank data

✓ Laboratory control sample (LCS) recoveries

✓ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✓ Surrogate recoveries

✗ Laboratory duplicate results

✗ Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of "J" data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

At AECOM's request, the laboratory filtered the surface water samples through a 0.45 µm and analyzed for dissolved metals by 6020A. Since the filtration occurred after receipt in the laboratory, the recommended holding time criteria of 15-minutes was exceeded. The lab-filtered results are flagged "J" and "UJ" for detected and non-detected results, respectively indicating that the results are estimated values. If the original results were nondetects and the lab-filtered results were detected, the result will be rejected ("R" flag).

Due to method blank contamination in lead and zinc, the detected results were adjusted to nondetects in samples CH-SWSD031-SW01-F-LF, CH-SWSD031-SW01-LF, CH-SWSD032-SW01-F-LF, CH-SWSD032-SW01-LF, CH-SWSD033-SW01-F-LF, CH-SWSD033-SW01-LF, CH-SWSD034-SW01-LF, CH-SWSD035-SW01-F-LF, CH-SWSD035-SW01-LF, CH-SWSD036-SW01-LF, CH-SWSD037-SW01-LF, CH-SWSD038-SW01-LF, CH-SWSD039-SW01-LF, CH-SWSD040-SW01D-LF, CH-SWSD040-SW01-LF, CH-SWSD041-SW01-LF, CH-SWSD044-SW01-LF, and CH-SWSD112-SW01-LF.

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The result is rejected and not usable. Original results were nondetects and the lab-filtered results were detected.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP72 **Laboratory: LLL**

EDD Filename: APP72-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Validation Area	*Note*
Technical Holding Times	SR
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	SR
Surrogate/Tracer Spikes	N
Matrix Spike/Matrix Spike Duplicates	SR
Laboratory Duplicates	SR
Laboratory Replicates	N
Laboratory Control Samples	A
Compound Quantitation	SR
Field Duplicates	A
Field Triplicates	N
Field Blanks	N

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP72 **Laboratory: LLL**

EDD Filename: APP72-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **GENCHEM**

Method: **SM 2340B** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD031-SW01-F-LF** ***Collected:*** **6/6/2017 2:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	22400		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD031-SW01-LF** ***Collected:*** **6/6/2017 2:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	23100		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD032-SW01-F-LF** ***Collected:*** **6/6/2017 1:50:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	22000		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD032-SW01-LF** ***Collected:*** **6/6/2017 1:50:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	21800		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD033-SW01-F-LF** ***Collected:*** **6/6/2017 1:30:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	24000		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD033-SW01-LF** ***Collected:*** **6/6/2017 1:30:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	22600		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD034-SW01-LF** ***Collected:*** **6/6/2017 12:40:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	24900		200	LOD	400	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP72 **Laboratory: LLL**

EDD Filename: APP72-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: GENCHEM

Method: SM 2340B **Matrix: WATER**

Sample ID: CH-SWSD035-SW01D-F-LF **Collected:** 6/6/2017 11:40:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	25100		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD035-SW01D-LF **Collected:** 6/6/2017 11:40:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	25000		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD035-SW01-F-LF **Collected:** 6/6/2017 11:40:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	25100		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD035-SW01-LF **Collected:** 6/6/2017 11:40:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	25200		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD036-SW01-LF **Collected:** 6/6/2017 11:25:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	25100		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD037-SW01-LF **Collected:** 6/6/2017 11:00:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	22400		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD038-SW01-LF **Collected:** 6/6/2017 10:35:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	24200		200	LOD	400	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP72 **Laboratory: LLL**

EDD Filename: APP72-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **GENCHEM**

Method: **SM 2340B** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD039-SW01-LF** ***Collected:*** **6/6/2017 10:15:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	23400		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD040-SW01D-LF** ***Collected:*** **6/6/2017 10:00:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	21400		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD040-SW01-LF** ***Collected:*** **6/6/2017 10:00:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	20300		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD041-SW01-LF** ***Collected:*** **6/6/2017 9:40:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	20900		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD042-SW01-LF** ***Collected:*** **6/6/2017 9:20:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	22000		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD043-SW01-LF** ***Collected:*** **6/6/2017 9:10:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	22900		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD044-SW01-LF** ***Collected:*** **6/6/2017 8:50:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	22300		200	LOD	400	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP72 **Laboratory: LLL**

EDD Filename: APP72-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: GENCHEM

Method: SM 2340B **Matrix: WATER**

Sample ID: CH-SWSD112-SW01-LF **Collected:** 6/6/2017 4:00:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	33600		200	LOD	400	LOQ	ug/L	J	StoE

Method Category: METALS

Method: 6020A **Matrix: WATER**

Sample ID: CH-SWSD031-SW01-F-LF **Collected:** 6/6/2017 2:45:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	95.4	J	50.0	LOD	200	LOQ	ug/L	J	RI, StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	5200		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	1.1	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.39	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
IRON	231		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.40	J	0.25	LOD	2.0	LOQ	ug/L	UJ	Mb, StoE
MAGNESIUM	2280		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	46.7		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	652		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	18100		100	LOD	400	LOQ	ug/L	J	StoE
VANADIUM	0.45	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	8.3	J	7.5	LOD	30.0	LOQ	ug/L	UJ	Mb, StoE

Sample ID: CH-SWSD031-SW01-F-LF **Collected:** 6/6/2017 2:45:00 PM **Analysis Type:** Reanalysis-01/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	9.9		2.0	LOD	4.0	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP72 **Laboratory: LLL**

EDD Filename: APP72-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD031-SW01-F-LF** ***Collected:*** **6/6/2017 2:45:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD031-SW01-F-LF** ***Collected:*** **6/6/2017 2:45:00 PM** ***Analysis Type:*** **Reanalysis-02/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	2.5	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD031-SW01-LF** ***Collected:*** **6/6/2017 2:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	140	J	50.0	LOD	200	LOQ	ug/L	J	RI, StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	6.6		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	5480		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.3	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
IRON	176	J	100	LOD	200	LOQ	ug/L	J	RI, StoE
LEAD	0.18	J	0.25	LOD	2.0	LOQ	ug/L	UJ	Mb, StoE
MAGNESIUM	2270		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	1.0	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	622		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	17800		100	LOD	400	LOQ	ug/L	J	StoE
VANADIUM	0.58	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	6.0	J	7.5	LOD	30.0	LOQ	ug/L	UJ	Mb, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP72 **Laboratory: LLL**

EDD Filename: APP72-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD031-SW01-LF** ***Collected:*** **6/6/2017 2:45:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD031-SW01-LF** ***Collected:*** **6/6/2017 2:45:00 PM** ***Analysis Type:*** **Reanalysis-02/DIS/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	2.3	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD032-SW01-F-LF** ***Collected:*** **6/6/2017 1:50:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	142	J	50.0	LOD	200	LOQ	ug/L	J	RI, StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CHROMIUM	2.8	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.23	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
IRON	225		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.55	J	0.25	LOD	2.0	LOQ	ug/L	UJ	Mb, StoE
MAGNESIUM	2310		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	44.8		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	804		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	17900		100	LOD	400	LOQ	ug/L	J	StoE
VANADIUM	0.70	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	6.4	J	7.5	LOD	30.0	LOQ	ug/L	UJ	Mb, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP72 **Laboratory: LLL**

EDD Filename: APP72-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD032-SW01-F-LF** ***Collected:*** **6/6/2017 1:50:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	11.4		2.0	LOD	4.0	LOQ	ug/L	J	StoE
CALCIUM	5010		200	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD032-SW01-F-LF** ***Collected:*** **6/6/2017 1:50:00 PM** ***Analysis Type:*** **Reanalysis-02/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	2.8	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD032-SW01-LF** ***Collected:*** **6/6/2017 1:50:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	154	J	50.0	LOD	200	LOQ	ug/L	J	RI, StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	10.8		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CHROMIUM	1.7	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
IRON	265		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.31	J	0.25	LOD	2.0	LOQ	ug/L	UJ	Mb, StoE
MAGNESIUM	2220		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	4.8		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	761		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	17200		100	LOD	400	LOQ	ug/L	J	StoE
VANADIUM	0.45	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	6.4	J	7.5	LOD	30.0	LOQ	ug/L	UJ	Mb, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP72 **Laboratory: LLL**

EDD Filename: APP72-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD032-SW01-LF** ***Collected:*** **6/6/2017 1:50:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	5080		200	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD032-SW01-LF** ***Collected:*** **6/6/2017 1:50:00 PM** ***Analysis Type:*** **Reanalysis-02/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	2.3	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD033-SW01-F-LF** ***Collected:*** **6/6/2017 1:30:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	213		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	12.9		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CHROMIUM	1.1	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.57	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
IRON	314		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.24	J	0.25	LOD	2.0	LOQ	ug/L	UJ	Mb, StoE
MAGNESIUM	2450		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	69.1		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.0	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1070		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	17200		100	LOD	400	LOQ	ug/L	J	StoE
VANADIUM	1.1		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	6.9	J	7.5	LOD	30.0	LOQ	ug/L	UJ	Mb, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP72 **Laboratory: LLL**

EDD Filename: APP72-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD033-SW01-F-LF** ***Collected:*** **6/6/2017 1:30:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	5580		200	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD033-SW01-F-LF** ***Collected:*** **6/6/2017 1:30:00 PM** ***Analysis Type:*** **Reanalysis-02/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	1.8	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD033-SW01-LF** ***Collected:*** **6/6/2017 1:30:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	193	J	50.0	LOD	200	LOQ	ug/L	J	RI, StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	13.8		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	5300		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
IRON	255		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.23	J	0.25	LOD	2.0	LOQ	ug/L	UJ	Mb, StoE
MAGNESIUM	2280		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	2.0	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	1070		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16700		100	LOD	400	LOQ	ug/L	J	StoE
VANADIUM	0.36	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	5.4	J	7.5	LOD	30.0	LOQ	ug/L	UJ	Mb, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP72 **Laboratory: LLL**

EDD Filename: APP72-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: METALS

Method: 6020A **Matrix:** WATER

Sample ID: CH-SWSD033-SW01-LF **Collected:** 6/6/2017 1:30:00 PM **Analysis Type:** Reanalysis-01/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

Sample ID: CH-SWSD033-SW01-LF **Collected:** 6/6/2017 1:30:00 PM **Analysis Type:** Reanalysis-02/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	2.2	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

Sample ID: CH-SWSD034-SW01-LF **Collected:** 6/6/2017 12:40:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	210		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	5990		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	1.5	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
IRON	249		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.21	J	0.25	LOD	2.0	LOQ	ug/L	UJ	Mb, StoE
MAGNESIUM	2420		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	1360		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16500		100	LOD	400	LOQ	ug/L	J	StoE
VANADIUM	0.96	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	6.4	J	7.5	LOD	30.0	LOQ	ug/L	UJ	Mb, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP72 **Laboratory: LLL**

EDD Filename: APP72-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD034-SW01-LF** ***Collected:*** **6/6/2017 12:40:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	12.2		2.0	LOD	4.0	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD034-SW01-LF** ***Collected:*** **6/6/2017 12:40:00 PM** ***Analysis Type:*** **Reanalysis-02/DIS/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	2.6	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD035-SW01D-F-LF** ***Collected:*** **6/6/2017 11:40:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	215		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	16.4		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CHROMIUM	2.6	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
IRON	352		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.22	J	0.25	LOD	2.0	LOQ	ug/L	UJ	Mb, StoE
MAGNESIUM	2660		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	1.2	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	1690		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	17400		100	LOD	400	LOQ	ug/L	J	StoE
VANADIUM	1.3		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	6.7	J	7.5	LOD	30.0	LOQ	ug/L	UJ	Mb, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP72 **Laboratory: LLL**

EDD Filename: APP72-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD035-SW01D-F-LF** ***Collected:*** **6/6/2017 11:40:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	5680		200	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD035-SW01D-F-LF** ***Collected:*** **6/6/2017 11:40:00 AM** ***Analysis Type:*** **Reanalysis-02/DIS/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	2.7	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD035-SW01D-LF** ***Collected:*** **6/6/2017 11:40:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	207		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	13.6		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CHROMIUM	1.5	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
IRON	404		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.32	J	0.25	LOD	2.0	LOQ	ug/L	UJ	Mb, StoE
MAGNESIUM	2520		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
NICKEL	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1600		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	17000		100	LOD	400	LOQ	ug/L	J	StoE
VANADIUM	1.4		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	5.6	J	7.5	LOD	30.0	LOQ	ug/L	UJ	Mb, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP72 **Laboratory: LLL**

EDD Filename: APP72-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: METALS

Method: 6020A **Matrix:** WATER

Sample ID: CH-SWSD035-SW01D-LF **Collected:** 6/6/2017 11:40:00 AM **Analysis Type:** Reanalysis-01/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	5840		200	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

Sample ID: CH-SWSD035-SW01D-LF **Collected:** 6/6/2017 11:40:00 AM **Analysis Type:** Reanalysis-02/DIS/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	2.8	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

Sample ID: CH-SWSD035-SW01-F-LF **Collected:** 6/6/2017 11:40:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	239		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.073	J	0.25	LOD	1.0	LOQ	ug/L	R	RI, StoE, ProfJudg
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CHROMIUM	2.6	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.45	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
IRON	461		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.62	J	0.25	LOD	2.0	LOQ	ug/L	UJ	Mb, StoE
MAGNESIUM	2470		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	72.1		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.0	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1530		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16400		100	LOD	400	LOQ	ug/L	J	StoE
VANADIUM	1.2		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	5.5	J	7.5	LOD	30.0	LOQ	ug/L	UJ	Mb, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP72 **Laboratory: LLL**

EDD Filename: APP72-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: METALS

Method: 6020A **Matrix:** WATER

Sample ID: CH-SWSD035-SW01-F-LF **Collected:** 6/6/2017 11:40:00 AM **Analysis Type:** Reanalysis-01/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	16.1		2.0	LOD	4.0	LOQ	ug/L	J	StoE
CALCIUM	5970		200	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

Sample ID: CH-SWSD035-SW01-F-LF **Collected:** 6/6/2017 11:40:00 AM **Analysis Type:** Reanalysis-02/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	3.1	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

Sample ID: CH-SWSD035-SW01-LF **Collected:** 6/6/2017 11:40:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	199	J	50.0	LOD	200	LOQ	ug/L	J	RI, StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	12.5		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.076	J	0.25	LOD	1.0	LOQ	ug/L	R	RI, StoE, ProfJudg
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CHROMIUM	2.2	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
IRON	432		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.28	J	0.25	LOD	2.0	LOQ	ug/L	UJ	Mb, StoE
MAGNESIUM	2570		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	1640		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	17000		100	LOD	400	LOQ	ug/L	J	StoE
VANADIUM	0.96	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	5.1	J	7.5	LOD	30.0	LOQ	ug/L	UJ	Mb, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP72 **Laboratory: LLL**

EDD Filename: APP72-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD035-SW01-LF** ***Collected:*** **6/6/2017 11:40:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	5850		200	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD035-SW01-LF** ***Collected:*** **6/6/2017 11:40:00 AM** ***Analysis Type:*** **Reanalysis-02/DIS/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	2.5	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD036-SW01-LF** ***Collected:*** **6/6/2017 11:25:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	171	J	50.0	LOD	200	LOQ	ug/L	J	RI, StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	13.6		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	5640		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.8	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
IRON	462		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.22	J	0.25	LOD	2.0	LOQ	ug/L	UJ	Mb, StoE
MAGNESIUM	2670		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	1.9	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	1170		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16700		100	LOD	400	LOQ	ug/L	J	StoE
VANADIUM	1.5		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	7.4	J	7.5	LOD	30.0	LOQ	ug/L	UJ	Mb, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP72 **Laboratory: LLL**

EDD Filename: APP72-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD036-SW01-LF** ***Collected:*** **6/6/2017 11:25:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD036-SW01-LF** ***Collected:*** **6/6/2017 11:25:00 AM** ***Analysis Type:*** **Reanalysis-02/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	3.0	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD037-SW01-LF** ***Collected:*** **6/6/2017 11:00:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	209		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.090	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	4340		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	3.0	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
IRON	379		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.23	J	0.25	LOD	2.0	LOQ	ug/L	UJ	Mb, StoE
MAGNESIUM	2820		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	1.6	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	1090		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	17900		100	LOD	400	LOQ	ug/L	J	StoE
VANADIUM	1.4		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	5.4	J	7.5	LOD	30.0	LOQ	ug/L	UJ	Mb, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP72 **Laboratory: LLL**

EDD Filename: APP72-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD037-SW01-LF** ***Collected:*** **6/6/2017 11:00:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	15.6		2.0	LOD	4.0	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD037-SW01-LF** ***Collected:*** **6/6/2017 11:00:00 AM** ***Analysis Type:*** **Reanalysis-02/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	2.8	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD038-SW01-LF** ***Collected:*** **6/6/2017 10:35:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.090	J	0.25	LOD	1.0	LOQ	ug/L	R	RI, StoE, ProfJudg
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	4800		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	3.2	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
IRON	387		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.23	J	0.25	LOD	2.0	LOQ	ug/L	UJ	Mb, StoE
MAGNESIUM	2960		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	2.4	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	2.7	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1190		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	18400		100	LOD	400	LOQ	ug/L	J	StoE
VANADIUM	0.86	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	6.5	J	7.5	LOD	30.0	LOQ	ug/L	UJ	Mb, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP72 **Laboratory: LLL**

EDD Filename: APP72-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD038-SW01-LF** ***Collected:*** **6/6/2017 10:35:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	223		50.0	LOD	200	LOQ	ug/L	J	StoE
BARIUM	16.4		2.0	LOD	4.0	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD038-SW01-LF** ***Collected:*** **6/6/2017 10:35:00 AM** ***Analysis Type:*** **Reanalysis-02/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	2.2	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD039-SW01-LF** ***Collected:*** **6/6/2017 10:15:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	225		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	19.6		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.079	J	0.25	LOD	1.0	LOQ	ug/L	R	RI, StoE, ProfJudg
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	4410		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.8	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
IRON	461		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.29	J	0.25	LOD	2.0	LOQ	ug/L	UJ	Mb, StoE
MAGNESIUM	3010		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	1.4	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	1.2	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1230		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	18500		100	LOD	400	LOQ	ug/L	J	StoE
VANADIUM	0.69	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	4.5	J	7.5	LOD	30.0	LOQ	ug/L	UJ	Mb, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP72 **Laboratory: LLL**

EDD Filename: APP72-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: METALS

Method: 6020A **Matrix:** WATER

Sample ID: CH-SWSD039-SW01-LF **Collected:** 6/6/2017 10:15:00 AM **Analysis Type:** Reanalysis-01/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

Sample ID: CH-SWSD039-SW01-LF **Collected:** 6/6/2017 10:15:00 AM **Analysis Type:** Reanalysis-02/DIS/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	2.4	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

Sample ID: CH-SWSD040-SW01D-LF **Collected:** 6/6/2017 10:00:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	229		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.077	J	0.25	LOD	1.0	LOQ	ug/L	R	RI, StoE, ProfJudg
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	4020		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.5	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
IRON	512		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.28	J	0.25	LOD	2.0	LOQ	ug/L	UJ	Mb, StoE
MAGNESIUM	2750		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	5.5		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	1150		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	17400		100	LOD	400	LOQ	ug/L	J	StoE
VANADIUM	0.89	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	5.9	J	7.5	LOD	30.0	LOQ	ug/L	UJ	Mb, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP72 **Laboratory: LLL**

EDD Filename: APP72-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD040-SW01D-LF** ***Collected:*** **6/6/2017 10:00:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	17.4		2.0	LOD	4.0	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD040-SW01D-LF** ***Collected:*** **6/6/2017 10:00:00 AM** ***Analysis Type:*** **Reanalysis-02/DIS/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	2.3	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD040-SW01-LF** ***Collected:*** **6/6/2017 10:00:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	219		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	16.4		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.081	J	0.25	LOD	1.0	LOQ	ug/L	R	RI, StoE, ProfJudg
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	3610		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	3.0	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
IRON	529		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.30	J	0.25	LOD	2.0	LOQ	ug/L	UJ	Mb, StoE
MAGNESIUM	2750		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	7.6		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.4	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1080		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16800		100	LOD	400	LOQ	ug/L	J	StoE
VANADIUM	0.89	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	6.1	J	7.5	LOD	30.0	LOQ	ug/L	UJ	Mb, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP72 **Laboratory: LLL**

EDD Filename: APP72-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: METALS

Method: 6020A **Matrix:** WATER

Sample ID: CH-SWSD040-SW01-LF **Collected:** 6/6/2017 10:00:00 AM **Analysis Type:** Reanalysis-01/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

Sample ID: CH-SWSD040-SW01-LF **Collected:** 6/6/2017 10:00:00 AM **Analysis Type:** Reanalysis-02/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	2.2	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

Sample ID: CH-SWSD041-SW01-LF **Collected:** 6/6/2017 9:40:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	243		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.094	J	0.25	LOD	1.0	LOQ	ug/L	R	RI, StoE, ProfJudg
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	3950		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	1.4	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
IRON	485		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.32	J	0.25	LOD	2.0	LOQ	ug/L	UJ	Mb, StoE
MAGNESIUM	2680		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	7.5		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1150		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16800		100	LOD	400	LOQ	ug/L	J	StoE
VANADIUM	0.45	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	7.3	J	7.5	LOD	30.0	LOQ	ug/L	UJ	Mb, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP72 **Laboratory: LLL**

EDD Filename: APP72-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD041-SW01-LF** ***Collected:*** **6/6/2017 9:40:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	17.7		2.0	LOD	4.0	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD041-SW01-LF** ***Collected:*** **6/6/2017 9:40:00 AM** ***Analysis Type:*** **Reanalysis-02/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	2.2	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD042-SW01-LF** ***Collected:*** **6/6/2017 9:20:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	231		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	14.8		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.079	J	0.25	LOD	1.0	LOQ	ug/L	R	RI, StoE, ProfJudg
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	4090		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.5	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	2.0	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	582		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.22	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2860		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	8.2		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.2	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1210		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	17800		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.73	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP72 **Laboratory: LLL**

EDD Filename: APP72-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD042-SW01-LF** ***Collected:*** **6/6/2017 9:20:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ZINC	6.1	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD043-SW01-LF** ***Collected:*** **6/6/2017 9:10:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	238		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	17.0		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.099	J	0.25	LOD	1.0	LOQ	ug/L	R	RI, StoE, ProfJudg
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	4300		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	1.5	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	2.1	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	556		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.27	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2960		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	14.4		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.3	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1260		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	18300		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.67	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	6.8	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD044-SW01-LF** ***Collected:*** **6/6/2017 8:50:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	275		50.0	LOD	200	LOQ	ug/L	J	Ld, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP72 **Laboratory: LLL**

EDD Filename: APP72-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD044-SW01-LF** ***Collected:*** **6/6/2017 8:50:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	17.1		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.094	J	0.25	LOD	1.0	LOQ	ug/L	R	RI, StoE, ProfJudg
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CHROMIUM	2.6	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
IRON	825		100	LOD	200	LOQ	ug/L	J	Ms, StoE
LEAD	0.28	J	0.25	LOD	2.0	LOQ	ug/L	UJ	Mb, Ld, StoE
MAGNESIUM	2990		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	20.3		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.3	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1290		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	18400		100	LOD	400	LOQ	ug/L	J	Ms, StoE
VANADIUM	0.73	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	6.2	J	7.5	LOD	30.0	LOQ	ug/L	UJ	Mb, StoE

Sample ID: **CH-SWSD044-SW01-LF** ***Collected:*** **6/6/2017 8:50:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	4010		200	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD044-SW01-LF** ***Collected:*** **6/6/2017 8:50:00 AM** ***Analysis Type:*** **Reanalysis-02/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	2.5	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP72 **Laboratory: LLL**

EDD Filename: APP72-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD112-SW01-LF** ***Collected:*** **6/6/2017 4:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	1180		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	0.74	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
BARIUM	28.2		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.24	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.35	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
CHROMIUM	3.2	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.39	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
IRON	2410		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.93	J	0.25	LOD	2.0	LOQ	ug/L	UJ	Mb, StoE
MAGNESIUM	3830		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	6.9		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	4.2		2.0	LOD	4.0	LOQ	ug/L	J	StoE
POTASSIUM	1760		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16500		100	LOD	400	LOQ	ug/L	J	StoE
VANADIUM	3.0		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	42.5		7.5	LOD	30.0	LOQ	ug/L	UJ	Mb, StoE

Sample ID: **CH-SWSD112-SW01-LF** ***Collected:*** **6/6/2017 4:00:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	7130		200	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD112-SW01-LF** ***Collected:*** **6/6/2017 4:00:00 PM** ***Analysis Type:*** **Reanalysis-02/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	8.4		1.0	LOD	4.0	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP72 **Laboratory: LLL**

EDD Filename: APP72-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP72 **Laboratory: LLL**

EDD Filename: APP72-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Reason Code Legend

Reason Code	*Description*
Ld	Laboratory Duplicate Precision
Mb	Method Blank Contamination
Ms	Matrix Spike Lower Estimation
ProfJudg	Professional Judgment
RI	Reporting Limit Trace Value
StoE	Sampling to Extraction Estimation

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP72 **Laboratory: LLL**

EDD Filename: APP72-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: **6020A**
Matrix: **WATER**

QC Sample ID (Associated Samples)	*Compound*	*MS %R*	*MSD %R*	*%R Limits*	*RPD (Limits)*	*Affected Compounds*	*Flag*
CH-SWSD044-SW01-LFMS (Dissolved) (CH-SWSD044-SW01-LF)	IRON SODIUM	76 75	- -	87.00-118.00 85.00-117.00	- -	IRON SODIUM	J- (all detects) UJ (all non-detects)

Lab Duplicate Outlier Report

Lab Reporting Batch ID: APP72 **Laboratory: LLL**

EDD Filename: APP72-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: 6020A
Matrix: WATER

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
CH-SWSD044-SW01-LFDUP (Dissolved) (CH-SWSD044-SW01-LF)	ALUMINUM LEAD	29 27	20.00 20.00	J (all detects) UJ (all non-detects)

Project Name and Number: Camp Hero - Camp Hero

Field Duplicate RPD Report

Lab Reporting Batch ID: APP72 **Laboratory: LLL**

EDD Filename: APP72-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: 6020A
Matrix: WATER

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD035-SW01-F-LF (Dissolved)	CH-SWSD035-SW01D-F-LF (Dissolved)			
ALUMINUM	239	215	11	30.00	
BARIUM	16.1	16.4	2	30.00	
BERYLLIUM	0.073	1.0 U	200	30.00	
CALCIUM	5970	5680	5	30.00	
CHROMIUM	2.6	2.6	0	30.00	
COBALT	0.45	1.0 U	200	30.00	
COPPER	3.1	2.7	14	30.00	
IRON	461	352	27	30.00	
LEAD	0.62	0.22	95	30.00	No Qualifiers Applied
MAGNESIUM	2470	2660	7	30.00	
MANGANESE	72.1	1.2	193	30.00	
NICKEL	1.0	4.0 U	200	30.00	
POTASSIUM	1530	1690	10	30.00	
SODIUM	16400	17400	6	30.00	
VANADIUM	1.2	1.3	8	30.00	
ZINC	5.5	6.7	20	30.00	

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD040-SW01-LF (Dissolved)	CH-SWSD040-SW01D-LF (Dissolved)			
ALUMINUM	219	229	4	30.00	
BARIUM	16.4	17.4	6	30.00	
BERYLLIUM	0.081	0.077	5	30.00	
CALCIUM	3610	4020	11	30.00	
CHROMIUM	3.0	2.5	18	30.00	
COPPER	2.2	2.3	4	30.00	
IRON	529	512	3	30.00	
LEAD	0.30	0.28	7	30.00	No Qualifiers Applied
MAGNESIUM	2750	2750	0	30.00	
MANGANESE	7.6	5.5	32	30.00	
NICKEL	1.4	4.0 U	200	30.00	
POTASSIUM	1080	1150	6	30.00	
SODIUM	16800	17400	4	30.00	
VANADIUM	0.89	0.89	0	30.00	
ZINC	6.1	5.9	3	30.00	

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD035-SW01-LF (Dissolved)	CH-SWSD035-SW01D-LF (Dissolved)			
ALUMINUM	199	207	4	30.00	
BARIUM	12.5	13.6	8	30.00	
BERYLLIUM	0.076	1.0 U	200	30.00	
CALCIUM	5850	5840	0	30.00	
CHROMIUM	2.2	1.5	38	30.00	
COPPER	2.5	2.8	11	30.00	
IRON	432	404	7	30.00	
LEAD	0.28	0.32	13	30.00	No Qualifiers Applied
MAGNESIUM	2570	2520	2	30.00	
MANGANESE	1.1	4.0 U	200	30.00	
NICKEL	4.0 U	1.1	200	30.00	
POTASSIUM	1640	1600	2	30.00	
SODIUM	17000	17000	0	30.00	
VANADIUM	0.96	1.4	37	30.00	
ZINC	5.1	5.6	9	30.00	

Project Name and Number: Camp Hero - Camp Hero

Field Duplicate RPD Report

Lab Reporting Batch ID: APP72 **Laboratory: LLL**

EDD Filename: APP72-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: SM 2340B
Matrix: WATER

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD035-SW01-F-LF	CH-SWSD035-SW01D-F-LF			
HARDNESS (AS CACO3)	25100	25100	0	30.00	No Qualifiers Applied

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD040-SW01-LF	CH-SWSD040-SW01D-LF			
HARDNESS (AS CACO3)	20300	21400	5	30.00	No Qualifiers Applied

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD035-SW01-LF	CH-SWSD035-SW01D-LF			
HARDNESS (AS CACO3)	25200	25000	1	30.00	No Qualifiers Applied

Reporting Limit Outliers

Lab Reporting Batch ID: APP72 **Laboratory: LLL**

EDD Filename: APP72-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: **6020A**

Matrix: **WATER**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD031-SW01-F-LF	ALUMINUM	J	95.4	200	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.1	4.0	LOQ	ug/L	
	COBALT	J	0.39	1.0	LOQ	ug/L	
	COPPER	J	2.5	4.0	LOQ	ug/L	
	LEAD	J	0.40	2.0	LOQ	ug/L	
	VANADIUM	J	0.45	1.0	LOQ	ug/L	
	ZINC	J	8.3	30.0	LOQ	ug/L	
CH-SWSD031-SW01-LF	ALUMINUM	J	140	200	LOQ	ug/L	J (all detects)
	CHROMIUM	J	2.3	4.0	LOQ	ug/L	
	COPPER	J	2.3	4.0	LOQ	ug/L	
	IRON	J	176	200	LOQ	ug/L	
	LEAD	J	0.18	2.0	LOQ	ug/L	
	MANGANESE	J	1.0	4.0	LOQ	ug/L	
	VANADIUM	J	0.58	1.0	LOQ	ug/L	
	ZINC	J	6.0	30.0	LOQ	ug/L	
CH-SWSD032-SW01-F-LF	ALUMINUM	J	142	200	LOQ	ug/L	J (all detects)
	CHROMIUM	J	2.8	4.0	LOQ	ug/L	
	COBALT	J	0.23	1.0	LOQ	ug/L	
	COPPER	J	2.8	4.0	LOQ	ug/L	
	LEAD	J	0.55	2.0	LOQ	ug/L	
	VANADIUM	J	0.70	1.0	LOQ	ug/L	
	ZINC	J	6.4	30.0	LOQ	ug/L	
CH-SWSD032-SW01-LF	ALUMINUM	J	154	200	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.7	4.0	LOQ	ug/L	
	COPPER	J	2.3	4.0	LOQ	ug/L	
	LEAD	J	0.31	2.0	LOQ	ug/L	
	VANADIUM	J	0.45	1.0	LOQ	ug/L	
	ZINC	J	6.4	30.0	LOQ	ug/L	
CH-SWSD033-SW01-F-LF	CHROMIUM	J	1.1	4.0	LOQ	ug/L	J (all detects)
	COBALT	J	0.57	1.0	LOQ	ug/L	
	COPPER	J	1.8	4.0	LOQ	ug/L	
	LEAD	J	0.24	2.0	LOQ	ug/L	
	NICKEL	J	1.0	4.0	LOQ	ug/L	
	ZINC	J	6.9	30.0	LOQ	ug/L	
CH-SWSD033-SW01-LF	ALUMINUM	J	193	200	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.1	4.0	LOQ	ug/L	
	COPPER	J	2.2	4.0	LOQ	ug/L	
	LEAD	J	0.23	2.0	LOQ	ug/L	
	MANGANESE	J	2.0	4.0	LOQ	ug/L	
	VANADIUM	J	0.36	1.0	LOQ	ug/L	
	ZINC	J	5.4	30.0	LOQ	ug/L	
CH-SWSD034-SW01-LF	CHROMIUM	J	1.5	4.0	LOQ	ug/L	J (all detects)
	COPPER	J	2.6	4.0	LOQ	ug/L	
	LEAD	J	0.21	2.0	LOQ	ug/L	
	MANGANESE	J	1.1	4.0	LOQ	ug/L	
	VANADIUM	J	0.96	1.0	LOQ	ug/L	
	ZINC	J	6.4	30.0	LOQ	ug/L	
CH-SWSD035-SW01D-F-LF	CHROMIUM	J	2.6	4.0	LOQ	ug/L	J (all detects)
	COPPER	J	2.7	4.0	LOQ	ug/L	
	LEAD	J	0.22	2.0	LOQ	ug/L	
	MANGANESE	J	1.2	4.0	LOQ	ug/L	
	ZINC	J	6.7	30.0	LOQ	ug/L	

Project Name and Number: Camp Hero - Camp Hero

Reporting Limit Outliers

Lab Reporting Batch ID: APP72 **Laboratory: LLL**

EDD Filename: APP72-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: **6020A**

Matrix: **WATER**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD035-SW01D-LF	CHROMIUM	J	1.5	4.0	LOQ	ug/L	
	COPPER	J	2.8	4.0	LOQ	ug/L	
	LEAD	J	0.32	2.0	LOQ	ug/L	J (all detects)
	NICKEL	J	1.1	4.0	LOQ	ug/L	
	ZINC	J	5.6	30.0	LOQ	ug/L	
CH-SWSD035-SW01-F-LF	BERYLLIUM	J	0.073	1.0	LOQ	ug/L	
	CHROMIUM	J	2.6	4.0	LOQ	ug/L	
	COBALT	J	0.45	1.0	LOQ	ug/L	
	COPPER	J	3.1	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.62	2.0	LOQ	ug/L	
	NICKEL	J	1.0	4.0	LOQ	ug/L	
	ZINC	J	5.5	30.0	LOQ	ug/L	
CH-SWSD035-SW01-LF	ALUMINUM	J	199	200	LOQ	ug/L	
	BERYLLIUM	J	0.076	1.0	LOQ	ug/L	
	CHROMIUM	J	2.2	4.0	LOQ	ug/L	
	COPPER	J	2.5	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.28	2.0	LOQ	ug/L	
	MANGANESE	J	1.1	4.0	LOQ	ug/L	
	VANADIUM	J	0.96	1.0	LOQ	ug/L	
	ZINC	J	5.1	30.0	LOQ	ug/L	
CH-SWSD036-SW01-LF	ALUMINUM	J	171	200	LOQ	ug/L	
	CHROMIUM	J	2.8	4.0	LOQ	ug/L	
	COPPER	J	3.0	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.22	2.0	LOQ	ug/L	
	MANGANESE	J	1.9	4.0	LOQ	ug/L	
	ZINC	J	7.4	30.0	LOQ	ug/L	
CH-SWSD037-SW01-LF	BERYLLIUM	J	0.090	1.0	LOQ	ug/L	
	CHROMIUM	J	3.0	4.0	LOQ	ug/L	
	COPPER	J	2.8	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.23	2.0	LOQ	ug/L	
	MANGANESE	J	1.6	4.0	LOQ	ug/L	
	ZINC	J	5.4	30.0	LOQ	ug/L	
CH-SWSD038-SW01-LF	BERYLLIUM	J	0.090	1.0	LOQ	ug/L	
	CHROMIUM	J	3.2	4.0	LOQ	ug/L	
	COPPER	J	2.2	4.0	LOQ	ug/L	
	LEAD	J	0.23	2.0	LOQ	ug/L	J (all detects)
	MANGANESE	J	2.4	4.0	LOQ	ug/L	
	NICKEL	J	2.7	4.0	LOQ	ug/L	
	VANADIUM	J	0.86	1.0	LOQ	ug/L	
	ZINC	J	6.5	30.0	LOQ	ug/L	
CH-SWSD039-SW01-LF	BERYLLIUM	J	0.079	1.0	LOQ	ug/L	
	CHROMIUM	J	2.8	4.0	LOQ	ug/L	
	COPPER	J	2.4	4.0	LOQ	ug/L	
	LEAD	J	0.29	2.0	LOQ	ug/L	J (all detects)
	MANGANESE	J	1.4	4.0	LOQ	ug/L	
	NICKEL	J	1.2	4.0	LOQ	ug/L	
	VANADIUM	J	0.69	1.0	LOQ	ug/L	
	ZINC	J	4.5	30.0	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: APP72 **Laboratory: LLL**

EDD Filename: APP72-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: **6020A**

Matrix: **WATER**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD040-SW01D-LF	BERYLLIUM	J	0.077	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	2.5	4.0	LOQ	ug/L	
	COPPER	J	2.3	4.0	LOQ	ug/L	
	LEAD	J	0.28	2.0	LOQ	ug/L	
	VANADIUM	J	0.89	1.0	LOQ	ug/L	
	ZINC	J	5.9	30.0	LOQ	ug/L	
CH-SWSD040-SW01-LF	BERYLLIUM	J	0.081	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	3.0	4.0	LOQ	ug/L	
	COPPER	J	2.2	4.0	LOQ	ug/L	
	LEAD	J	0.30	2.0	LOQ	ug/L	
	NICKEL	J	1.4	4.0	LOQ	ug/L	
	VANADIUM	J	0.89	1.0	LOQ	ug/L	
	ZINC	J	6.1	30.0	LOQ	ug/L	
CH-SWSD041-SW01-LF	BERYLLIUM	J	0.094	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.4	4.0	LOQ	ug/L	
	COPPER	J	2.2	4.0	LOQ	ug/L	
	LEAD	J	0.32	2.0	LOQ	ug/L	
	NICKEL	J	1.1	4.0	LOQ	ug/L	
	VANADIUM	J	0.45	1.0	LOQ	ug/L	
	ZINC	J	7.3	30.0	LOQ	ug/L	
CH-SWSD042-SW01-LF	BERYLLIUM	J	0.079	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	2.5	4.0	LOQ	ug/L	
	COPPER	J	2.0	4.0	LOQ	ug/L	
	LEAD	J	0.22	2.0	LOQ	ug/L	
	NICKEL	J	1.2	4.0	LOQ	ug/L	
	VANADIUM	J	0.73	1.0	LOQ	ug/L	
	ZINC	J	6.1	30.0	LOQ	ug/L	
CH-SWSD043-SW01-LF	BERYLLIUM	J	0.099	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.5	4.0	LOQ	ug/L	
	COPPER	J	2.1	4.0	LOQ	ug/L	
	LEAD	J	0.27	2.0	LOQ	ug/L	
	NICKEL	J	1.3	4.0	LOQ	ug/L	
	VANADIUM	J	0.67	1.0	LOQ	ug/L	
	ZINC	J	6.8	30.0	LOQ	ug/L	
CH-SWSD044-SW01-LF	BERYLLIUM	J	0.094	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	2.6	4.0	LOQ	ug/L	
	COPPER	J	2.5	4.0	LOQ	ug/L	
	LEAD	J	0.28	2.0	LOQ	ug/L	
	NICKEL	J	1.3	4.0	LOQ	ug/L	
	VANADIUM	J	0.73	1.0	LOQ	ug/L	
	ZINC	J	6.2	30.0	LOQ	ug/L	
CH-SWSD112-SW01-LF	ARSENIC	J	0.74	4.0	LOQ	ug/L	J (all detects)
	BERYLLIUM	J	0.24	1.0	LOQ	ug/L	
	CADMIUM	J	0.35	1.0	LOQ	ug/L	
	CHROMIUM	J	3.2	4.0	LOQ	ug/L	
	COBALT	J	0.39	1.0	LOQ	ug/L	
	LEAD	J	0.93	2.0	LOQ	ug/L	

Method Blank Outlier Report

Lab Reporting Batch ID: APP72 **Laboratory: LLL**

EDD Filename: APP72-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: **6020A**
Matrix: **WATER**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P26963DB269063904	10/1/2017 8:35:00 AM	LEAD ZINC	0.76 ug/L 9.7 ug/L	CH-SWSD031-SW01-F-LF CH-SWSD031-SW01-LF CH-SWSD032-SW01-F-LF CH-SWSD032-SW01-LF CH-SWSD033-SW01-F-LF CH-SWSD033-SW01-LF CH-SWSD034-SW01-LF CH-SWSD035-SW01D-F-LF CH-SWSD035-SW01D-LF CH-SWSD035-SW01-F-LF CH-SWSD035-SW01-LF CH-SWSD036-SW01-LF CH-SWSD037-SW01-LF CH-SWSD038-SW01-LF CH-SWSD039-SW01-LF CH-SWSD040-SW01D-LF CH-SWSD040-SW01-LF CH-SWSD041-SW01-LF CH-SWSD044-SW01-LF CH-SWSD112-SW01-LF
P27063IB270063909	10/3/2017 1:30:00 PM	BARIUM	0.87 ug/L	CH-SWSD042-SW01-LF CH-SWSD043-SW01-LF

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
CH-SWSD031-SW01-F-LF(Initial/DIS)	LEAD	0.40 ug/L	2.0U ug/L
CH-SWSD031-SW01-F-LF(Initial/DIS)	ZINC	8.3 ug/L	30.0U ug/L
CH-SWSD031-SW01-LF(Initial/DIS)	LEAD	0.18 ug/L	2.0U ug/L
CH-SWSD031-SW01-LF(Initial/DIS)	ZINC	6.0 ug/L	30.0U ug/L
CH-SWSD032-SW01-F-LF(Initial/DIS)	LEAD	0.55 ug/L	2.0U ug/L
CH-SWSD032-SW01-F-LF(Initial/DIS)	ZINC	6.4 ug/L	30.0U ug/L
CH-SWSD032-SW01-LF(Initial/DIS)	LEAD	0.31 ug/L	2.0U ug/L
CH-SWSD032-SW01-LF(Initial/DIS)	ZINC	6.4 ug/L	30.0U ug/L
CH-SWSD033-SW01-F-LF(Initial/DIS)	LEAD	0.24 ug/L	2.0U ug/L
CH-SWSD033-SW01-F-LF(Initial/DIS)	ZINC	6.9 ug/L	30.0U ug/L
CH-SWSD033-SW01-LF(Initial/DIS)	LEAD	0.23 ug/L	2.0U ug/L
CH-SWSD033-SW01-LF(Initial/DIS)	ZINC	5.4 ug/L	30.0U ug/L
CH-SWSD034-SW01-LF(Initial/DIS)	LEAD	0.21 ug/L	2.0U ug/L
CH-SWSD034-SW01-LF(Initial/DIS)	ZINC	6.4 ug/L	30.0U ug/L
CH-SWSD035-SW01D-F-LF(Initial/DIS)	LEAD	0.22 ug/L	2.0U ug/L
CH-SWSD035-SW01D-F-LF(Initial/DIS)	ZINC	6.7 ug/L	30.0U ug/L
CH-SWSD035-SW01D-LF(Initial/DIS)	LEAD	0.32 ug/L	2.0U ug/L
CH-SWSD035-SW01D-LF(Initial/DIS)	ZINC	5.6 ug/L	30.0U ug/L
CH-SWSD035-SW01-F-LF(Initial/DIS)	LEAD	0.62 ug/L	2.0U ug/L
CH-SWSD035-SW01-F-LF(Initial/DIS)	ZINC	5.5 ug/L	30.0U ug/L
CH-SWSD035-SW01-LF(Initial/DIS)	LEAD	0.28 ug/L	2.0U ug/L
CH-SWSD035-SW01-LF(Initial/DIS)	ZINC	5.1 ug/L	30.0U ug/L
CH-SWSD036-SW01-LF(Initial/DIS)	LEAD	0.22 ug/L	2.0U ug/L

Project Name and Number: Camp Hero - Camp Hero

Method Blank Outlier Report

Lab Reporting Batch ID: APP72 **Laboratory: LLL**

EDD Filename: APP72-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: **6020A**
Matrix: **WATER**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
CH-SWSD036-SW01-LF(Initial/DIS)	ZINC	7.4 ug/L	30.0U ug/L
CH-SWSD037-SW01-LF(Initial/DIS)	LEAD	0.23 ug/L	2.0U ug/L
CH-SWSD037-SW01-LF(Initial/DIS)	ZINC	5.4 ug/L	30.0U ug/L
CH-SWSD038-SW01-LF(Initial/DIS)	LEAD	0.23 ug/L	2.0U ug/L
CH-SWSD038-SW01-LF(Initial/DIS)	ZINC	6.5 ug/L	30.0U ug/L
CH-SWSD039-SW01-LF(Initial/DIS)	LEAD	0.29 ug/L	2.0U ug/L
CH-SWSD039-SW01-LF(Initial/DIS)	ZINC	4.5 ug/L	30.0U ug/L
CH-SWSD040-SW01D-LF(Initial/DIS)	LEAD	0.28 ug/L	2.0U ug/L
CH-SWSD040-SW01D-LF(Initial/DIS)	ZINC	5.9 ug/L	30.0U ug/L
CH-SWSD040-SW01-LF(Initial/DIS)	LEAD	0.30 ug/L	2.0U ug/L
CH-SWSD040-SW01-LF(Initial/DIS)	ZINC	6.1 ug/L	30.0U ug/L
CH-SWSD041-SW01-LF(Initial/DIS)	LEAD	0.32 ug/L	2.0U ug/L
CH-SWSD041-SW01-LF(Initial/DIS)	ZINC	7.3 ug/L	30.0U ug/L
CH-SWSD044-SW01-LF(Initial/DIS)	LEAD	0.28 ug/L	2.0U ug/L
CH-SWSD044-SW01-LF(Initial/DIS)	ZINC	6.2 ug/L	30.0U ug/L
CH-SWSD112-SW01-LF(Initial/DIS)	LEAD	0.93 ug/L	2.0U ug/L
CH-SWSD112-SW01-LF(Initial/DIS)	ZINC	42.5 ug/L	42.5U ug/L

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Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page 1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.	
Laboratory SDG:	APP73 (data gap lab-filtered surface water samples)	
Date(s) of Collection:	June 9th, 2017	
Number/Type Samples & Analyses:	15 surface water samples plus 2 MS/MSD for a project-specific list of metals (lab filtered samples)	
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA	
Completed:	October 11th, 2017	

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for surface water data included in Sample Delivery Group (SDG) APP73. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017.

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✗ Holding times and sample preservation

✗ Laboratory method blank data

✓ Field rinsate blank data

NA Trip blank data

✓ Laboratory control sample (LCS) recoveries

✗ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✓ Surrogate recoveries

✗ Laboratory duplicate results

NA Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of "J" data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

At AECOM's request, the laboratory filtered the surface water samples through a 0.45 µm and analyzed for dissolved metals by 6020A. Since the filtration occurred after receipt in the laboratory, the recommended holding time criteria of 15-minutes was exceeded. The lab-filtered results are flagged "J" and "UJ" for detected and non-detected results, respectively indicating that the results are estimated values. If the original results were nondetects and the lab-filtered results were detected, the result will be rejected ("R" flag).

Due to method blank contamination, the aluminum detect was changed to a non-detect in sample CH-SWSD150-SW01-F-LF.

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The result is rejected and not usable. Original results were nondetects and the lab-filtered results were detected.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP73 **Laboratory: LLL**

EDD Filename: APP73-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Validation Area	*Note*
Technical Holding Times	SR
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	SR
Surrogate/Tracer Spikes	N
Matrix Spike/Matrix Spike Duplicates	SR
Laboratory Duplicates	SR
Laboratory Replicates	N
Laboratory Control Samples	A
Compound Quantitation	SR
Field Duplicates	N
Field Triplicates	N
Field Blanks	N

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP73 **Laboratory: LLL**

EDD Filename: APP73-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **GENCHEM**

Method: **SM 2340B** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD147-SW01-LF** ***Collected:*** **6/9/2017 3:15:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	24300		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD148-SW01-LF** ***Collected:*** **6/9/2017 3:10:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	25200		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD149-SW01-LF** ***Collected:*** **6/9/2017 2:30:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	24000		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD150-SW01-F-LF** ***Collected:*** **6/9/2017 12:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	34700		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD150-SW01-LF** ***Collected:*** **6/9/2017 12:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	37800		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD151-SW01-F-LF** ***Collected:*** **6/9/2017 2:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	35500		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD151-SW01-LF** ***Collected:*** **6/9/2017 2:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	37900		200	LOD	400	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP73 **Laboratory: LLL**

EDD Filename: APP73-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: GENCHEM

Method: SM 2340B **Matrix: WATER**

Sample ID: CH-SWSD152-SW01-F-LF **Collected:** 6/9/2017 1:30:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	36000		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD152-SW01-LF **Collected:** 6/9/2017 1:30:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	36700		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD153-SW01-F-LF **Collected:** 6/9/2017 12:45:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	32100		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD153-SW01-LF **Collected:** 6/9/2017 12:45:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	32000		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD154-SW01-F-LF **Collected:** 6/9/2017 11:45:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	33900		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD154-SW01-LF **Collected:** 6/9/2017 11:45:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	30500		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD155-SW01-F-LF **Collected:** 6/9/2017 11:15:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	34200		200	LOD	400	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP73 **Laboratory: LLL**

EDD Filename: APP73-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: GENCHEM

Method: SM 2340B **Matrix: WATER**

Sample ID: CH-SWSD155-SW01-LF **Collected:** 6/9/2017 11:15:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	32500		200	LOD	400	LOQ	ug/L	J	StoE

Method Category: METALS

Method: 6020A **Matrix: WATER**

Sample ID: CH-SWSD147-SW01-LF **Collected:** 6/9/2017 3:15:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	215		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	4120		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	0.98	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	2.4	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	257		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.21	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3400		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	1.2	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	1.2	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1210		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	22000		100	LOD	400	LOQ	ug/L	J	StoE
VANADIUM	0.48	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	6.4	J	7.5	LOD	30.0	LOQ	ug/L	R	RI, StoE, ProfJudg

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP73 **Laboratory: LLL**

EDD Filename: APP73-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD147-SW01-LF** ***Collected:*** **6/9/2017 3:15:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	18.9		2.0	LOD	4.0	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD148-SW01-LF** ***Collected:*** **6/9/2017 3:10:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	234		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	18.6		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	4470		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	3.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	2.9	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	276		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.22	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3420		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	1.7	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	1.0	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1200		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	21800		100	LOD	400	LOQ	ug/L	J	StoE
VANADIUM	0.46	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	9.1	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD148-SW01-LF** ***Collected:*** **6/9/2017 3:10:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP73 **Laboratory: LLL**

EDD Filename: APP73-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD149-SW01-LF** ***Collected:*** **6/9/2017 2:30:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	215		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	4250		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	1.4	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	1.6	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	403		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.16	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3250		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	1.8	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	1.3	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
POTASSIUM	1170		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	20700		100	LOD	400	LOQ	ug/L	J	StoE
VANADIUM	0.37	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	6.7	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD149-SW01-LF** ***Collected:*** **6/9/2017 2:30:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	20.4		2.0	LOD	4.0	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD150-SW01-F-LF** ***Collected:*** **6/9/2017 12:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	90.0	J	50.0	LOD	200	LOQ	ug/L	UJ	Mb, StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP73 **Laboratory: LLL**

EDD Filename: APP73-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD150-SW01-F-LF** ***Collected:*** **6/9/2017 12:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.81	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
BARIUM	25.6		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	8550		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.2	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	1.9	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	769		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.49	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3240		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	1.0	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	1680		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	20600		100	LOD	400	LOQ	ug/L	J	StoE
VANADIUM	0.47	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	7.5	U	7.5	LOD	30.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD150-SW01-F-LF** ***Collected:*** **6/9/2017 12:00:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD150-SW01-LF** ***Collected:*** **6/9/2017 12:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	158	J	50.0	LOD	200	LOQ	ug/L	J	RI, StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	0.90	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
BARIUM	29.5		2.0	LOD	4.0	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP73 **Laboratory: LLL**

EDD Filename: APP73-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD150-SW01-LF** ***Collected:*** **6/9/2017 12:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	9590		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	2.7	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	1050		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	2.5		0.25	LOD	2.0	LOQ	ug/L	J	StoE
MAGNESIUM	3370		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	2.0	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	1.3	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1780		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	21700		100	LOD	400	LOQ	ug/L	J	StoE
VANADIUM	0.84	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	5.7	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD150-SW01-LF** ***Collected:*** **6/9/2017 12:00:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD151-SW01-F-LF** ***Collected:*** **6/9/2017 2:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	1090		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.3	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
BARIUM	45.5		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.17	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP73 **Laboratory: LLL**

EDD Filename: APP73-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD151-SW01-F-LF** ***Collected:*** **6/9/2017 2:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	5510		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	4.5		2.0	LOD	4.0	LOQ	ug/L	J	StoE
COBALT	3.6		0.50	LOD	1.0	LOQ	ug/L	J	StoE
COPPER	5.1		1.0	LOD	4.0	LOQ	ug/L	J	StoE
IRON	9280		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	1.6	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	5280		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	316		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	5.5		2.0	LOD	4.0	LOQ	ug/L	J	StoE
POTASSIUM	2370		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	0.55	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	40300		100	LOD	400	LOQ	ug/L	J	StoE
VANADIUM	1.3		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	31.6		7.5	LOD	30.0	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD151-SW01-F-LF** ***Collected:*** **6/9/2017 2:00:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD151-SW01-LF** ***Collected:*** **6/9/2017 2:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	1490		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.7	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
BARIUM	53.4		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.22	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	6110		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	5.0		2.0	LOD	4.0	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP73 **Laboratory: LLL**

EDD Filename: APP73-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD151-SW01-LF** ***Collected:*** **6/9/2017 2:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COBALT	4.2		0.50	LOD	1.0	LOQ	ug/L	J	StoE
COPPER	4.5		1.0	LOD	4.0	LOQ	ug/L	J	StoE
IRON	16900		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	2.7		0.25	LOD	2.0	LOQ	ug/L	J	StoE
MAGNESIUM	5500		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	337		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	6.3		2.0	LOD	4.0	LOQ	ug/L	J	StoE
POTASSIUM	2600		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	0.76	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	40800		100	LOD	400	LOQ	ug/L	J	StoE
VANADIUM	3.4		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	30.0	J	7.5	LOD	30.0	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD151-SW01-LF** ***Collected:*** **6/9/2017 2:00:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD152-SW01-F-LF** ***Collected:*** **6/9/2017 1:30:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	754		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	1.8	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
BARIUM	36.3		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.11	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	5940		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	3.1	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	2.2		0.50	LOD	1.0	LOQ	ug/L	J	StoE
COPPER	3.6	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP73 **Laboratory: LLL**

EDD Filename: APP73-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD152-SW01-F-LF** ***Collected:*** **6/9/2017 1:30:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
IRON	5590		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	1.8	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	5140		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	319		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	3.5	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1430		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	35700		100	LOD	400	LOQ	ug/L	J	StoE
VANADIUM	0.90	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	22.2	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD152-SW01-F-LF** ***Collected:*** **6/9/2017 1:30:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD152-SW01-LF** ***Collected:*** **6/9/2017 1:30:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	742		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	1.4	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
BARIUM	34.1		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.12	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	6270		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	4.0	J	2.0	LOD	4.0	LOQ	ug/L	J	StoE
COBALT	2.2		0.50	LOD	1.0	LOQ	ug/L	J	StoE
COPPER	3.7	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	6020		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	1.9	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP73 **Laboratory: LLL**

EDD Filename: APP73-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD152-SW01-LF** ***Collected:*** **6/9/2017 1:30:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MAGNESIUM	5120		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	311		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	3.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1460		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	35900		100	LOD	400	LOQ	ug/L	J	StoE
VANADIUM	0.91	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	16.6	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD152-SW01-LF** ***Collected:*** **6/9/2017 1:30:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD153-SW01-F-LF** ***Collected:*** **6/9/2017 12:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	207		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
BARIUM	34.9		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	7360		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	1.3	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, Ld, StoE, ProfJudg
COBALT	3.4		0.50	LOD	1.0	LOQ	ug/L	J	StoE
COPPER	2.7	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, Ld, StoE
IRON	4790		100	LOD	200	LOQ	ug/L	J	Ms, StoE
LEAD	2.7		0.25	LOD	2.0	LOQ	ug/L	J	StoE
MAGNESIUM	3340		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	437		2.0	LOD	4.0	LOQ	ug/L	J	Ms, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP73 **Laboratory: LLL**

EDD Filename: APP73-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD153-SW01-F-LF** ***Collected:*** **6/9/2017 12:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NICKEL	1.4	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	2100		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	21800		100	LOD	400	LOQ	ug/L	J	StoE
VANADIUM	1.0		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	4.2	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD153-SW01-F-LF** ***Collected:*** **6/9/2017 12:45:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD153-SW01-LF** ***Collected:*** **6/9/2017 12:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	273		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.4	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
BERYLLIUM	0.078	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	7280		200	LOD	400	LOQ	ug/L	J	Ms, StoE
CHROMIUM	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.58	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, Ld, StoE
COPPER	3.0	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	7500		100	LOD	200	LOQ	ug/L	J	Ms, StoE
LEAD	4.0		0.25	LOD	2.0	LOQ	ug/L	J	StoE
MAGNESIUM	3370		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	123		2.0	LOD	4.0	LOQ	ug/L	J	Ms, Ms, StoE
NICKEL	1.8	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	2180		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP73 **Laboratory: LLL**

EDD Filename: APP73-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD153-SW01-LF** ***Collected:*** **6/9/2017 12:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	21500		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
ZINC	8.2	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD153-SW01-LF** ***Collected:*** **6/9/2017 12:45:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	38.4		2.0	LOD	4.0	LOQ	ug/L	J	Ms, StoE
VANADIUM	2.0		0.50	LOD	1.0	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD154-SW01-F-LF** ***Collected:*** **6/9/2017 11:45:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	196	J	50.0	LOD	200	LOQ	ug/L	J	RI, StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	1.4	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
BARIUM	26.7		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	7770		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.7	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	2.3	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	3490		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.79	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3510		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	2.9	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	1.2	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	2050		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP73 **Laboratory: LLL**

EDD Filename: APP73-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD154-SW01-F-LF** ***Collected:*** **6/9/2017 11:45:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	22100		100	LOD	400	LOQ	ug/L	J	StoE
VANADIUM	0.74	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	4.7	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD154-SW01-F-LF** ***Collected:*** **6/9/2017 11:45:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD154-SW01-LF** ***Collected:*** **6/9/2017 11:45:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	178	J	50.0	LOD	200	LOQ	ug/L	J	RI, StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
BARIUM	29.9		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	6820		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	1.2	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	1.6	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	3430		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	1.0	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3280		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	2.9	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	1.3	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1880		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	20200		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP73 **Laboratory: LLL**

EDD Filename: APP73-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: METALS

Method: 6020A **Matrix:** WATER

Sample ID: CH-SWSD154-SW01-LF **Collected:** 6/9/2017 11:45:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
VANADIUM	0.70	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	7.5	U	7.5	LOD	30.0	LOQ	ug/L	UJ	StoE

Sample ID: CH-SWSD155-SW01-F-LF **Collected:** 6/9/2017 11:15:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	227		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
BARIUM	30.5		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	7930		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.5	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	2.3	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	5080		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	3.7		0.25	LOD	2.0	LOQ	ug/L	J	StoE
MAGNESIUM	3490		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	2.5	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	1.4	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	2050		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	20700		100	LOD	400	LOQ	ug/L	J	StoE
VANADIUM	1.2		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	6.6	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: CH-SWSD155-SW01-F-LF **Collected:** 6/9/2017 11:15:00 AM **Analysis Type:** Reanalysis-01/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP73 **Laboratory: LLL**

EDD Filename: APP73-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD155-SW01-LF** ***Collected:*** **6/9/2017 11:15:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
ALUMINUM	234		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
BARIUM	25.5		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	7370		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	1.2	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	1.9		0.50	LOD	1.0	LOQ	ug/L	J	StoE
COPPER	2.0	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	4900		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	4.6		0.25	LOD	2.0	LOQ	ug/L	J	StoE
MAGNESIUM	3430		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	277		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.4	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	2050		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	20900		100	LOD	400	LOQ	ug/L	J	StoE
VANADIUM	0.95	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	7.5	U	7.5	LOD	30.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD155-SW01-LF** ***Collected:*** **6/9/2017 11:15:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP73 **Laboratory: LLL**

EDD Filename: APP73-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Reason Code Legend

Reason Code	*Description*
Ld	Laboratory Duplicate Precision
Mb	Method Blank Contamination
Ms	Matrix Spike Lower Estimation
Ms	Matrix Spike Precision
Ms	Matrix Spike Upper Estimation
ProfJudg	Professional Judgment
RI	Reporting Limit Trace Value
StoE	Sampling to Extraction Estimation

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Lab Duplicate Outlier Report

Lab Reporting Batch ID: APP73 **Laboratory: LLL**

EDD Filename: APP73-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: 6020A
Matrix: WATER

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
CH-SWSD153-SW01-LFDUP (Dissolved) (CH-SWSD153-SW01-LF)	COBALT	30	20.00	J (all detects) UJ (all non-detects)
CH-SWSD153-SW01-F-LFDUP (Dissolved) (CH-SWSD153-SW01-F-LF)	CHROMIUM COPPER	24 22	20.00 20.00	J(all detects) UJ(all non-detects)

Reporting Limit Outliers

Lab Reporting Batch ID: APP73 **Laboratory: LLL**

EDD Filename: APP73-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: 6020A

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD147-SW01-LF	CHROMIUM	J	0.98	4.0	LOQ	ug/L	
	COPPER	J	2.4	4.0	LOQ	ug/L	
	LEAD	J	0.21	2.0	LOQ	ug/L	
	MANGANESE	J	1.2	4.0	LOQ	ug/L	J (all detects)
	NICKEL	J	1.2	4.0	LOQ	ug/L	
	VANADIUM	J	0.48	1.0	LOQ	ug/L	
	ZINC	J	6.4	30.0	LOQ	ug/L	
CH-SWSD148-SW01-LF	CHROMIUM	J	3.1	4.0	LOQ	ug/L	
	COPPER	J	2.9	4.0	LOQ	ug/L	
	LEAD	J	0.22	2.0	LOQ	ug/L	
	MANGANESE	J	1.7	4.0	LOQ	ug/L	J (all detects)
	NICKEL	J	1.0	4.0	LOQ	ug/L	
	VANADIUM	J	0.46	1.0	LOQ	ug/L	
	ZINC	J	9.1	30.0	LOQ	ug/L	
CH-SWSD149-SW01-LF	CHROMIUM	J	1.4	4.0	LOQ	ug/L	
	COPPER	J	1.6	4.0	LOQ	ug/L	
	LEAD	J	0.16	2.0	LOQ	ug/L	
	MANGANESE	J	1.8	4.0	LOQ	ug/L	J (all detects)
	NICKEL	J	1.3	4.0	LOQ	ug/L	
	VANADIUM	J	0.37	1.0	LOQ	ug/L	
	ZINC	J	6.7	30.0	LOQ	ug/L	
CH-SWSD150-SW01-F-LF	ALUMINUM	J	90.0	200	LOQ	ug/L	
	ARSENIC	J	0.81	4.0	LOQ	ug/L	
	CHROMIUM	J	2.2	4.0	LOQ	ug/L	
	COPPER	J	1.9	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.49	2.0	LOQ	ug/L	
	MANGANESE	J	1.0	4.0	LOQ	ug/L	
	VANADIUM	J	0.47	1.0	LOQ	ug/L	
CH-SWSD150-SW01-LF	ALUMINUM	J	158	200	LOQ	ug/L	
	ARSENIC	J	0.90	4.0	LOQ	ug/L	
	CHROMIUM	J	1.1	4.0	LOQ	ug/L	
	COPPER	J	2.7	4.0	LOQ	ug/L	J (all detects)
	MANGANESE	J	2.0	4.0	LOQ	ug/L	
	NICKEL	J	1.3	4.0	LOQ	ug/L	
	VANADIUM	J	0.84	1.0	LOQ	ug/L	
	ZINC	J	5.7	30.0	LOQ	ug/L	
CH-SWSD151-SW01-F-LF	ARSENIC	J	2.3	4.0	LOQ	ug/L	
	BERYLLIUM	J	0.17	1.0	LOQ	ug/L	J (all detects)
	LEAD	J	1.6	2.0	LOQ	ug/L	
	SELENIUM	J	0.55	4.0	LOQ	ug/L	
CH-SWSD151-SW01-LF	ARSENIC	J	2.7	4.0	LOQ	ug/L	
	BERYLLIUM	J	0.22	1.0	LOQ	ug/L	J (all detects)
	SELENIUM	J	0.76	4.0	LOQ	ug/L	
CH-SWSD152-SW01-F-LF	ARSENIC	J	1.8	4.0	LOQ	ug/L	
	BERYLLIUM	J	0.11	1.0	LOQ	ug/L	
	CHROMIUM	J	3.1	4.0	LOQ	ug/L	
	COPPER	J	3.6	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	1.8	2.0	LOQ	ug/L	
	NICKEL	J	3.5	4.0	LOQ	ug/L	
	VANADIUM	J	0.90	1.0	LOQ	ug/L	
	ZINC	J	22.2	30.0	LOQ	ug/L	

Project Name and Number: Camp Hero - Camp Hero

Reporting Limit Outliers

Lab Reporting Batch ID: APP73 **Laboratory: LLL**

EDD Filename: APP73-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: **6020A**

Matrix: **WATER**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD152-SW01-LF	ARSENIC	J	1.4	4.0	LOQ	ug/L	
	BERYLLIUM	J	0.12	1.0	LOQ	ug/L	
	COPPER	J	3.7	4.0	LOQ	ug/L	
	LEAD	J	1.9	2.0	LOQ	ug/L	J (all detects)
	NICKEL	J	3.1	4.0	LOQ	ug/L	
	VANADIUM	J	0.91	1.0	LOQ	ug/L	
	ZINC	J	16.6	30.0	LOQ	ug/L	
CH-SWSD153-SW01-F-LF	ARSENIC	J	2.0	4.0	LOQ	ug/L	
	CHROMIUM	J	1.3	4.0	LOQ	ug/L	
	COPPER	J	2.7	4.0	LOQ	ug/L	J (all detects)
	NICKEL	J	1.4	4.0	LOQ	ug/L	
	ZINC	J	4.2	30.0	LOQ	ug/L	
CH-SWSD153-SW01-LF	ARSENIC	J	2.4	4.0	LOQ	ug/L	
	BERYLLIUM	J	0.078	1.0	LOQ	ug/L	
	CHROMIUM	J	1.1	4.0	LOQ	ug/L	
	COBALT	J	0.58	1.0	LOQ	ug/L	J (all detects)
	COPPER	J	3.0	4.0	LOQ	ug/L	
	NICKEL	J	1.8	4.0	LOQ	ug/L	
	ZINC	J	8.2	30.0	LOQ	ug/L	
CH-SWSD154-SW01-F-LF	ALUMINUM	J	196	200	LOQ	ug/L	
	ARSENIC	J	1.4	4.0	LOQ	ug/L	
	CHROMIUM	J	2.7	4.0	LOQ	ug/L	
	COPPER	J	2.3	4.0	LOQ	ug/L	
	LEAD	J	0.79	2.0	LOQ	ug/L	J (all detects)
	MANGANESE	J	2.9	4.0	LOQ	ug/L	
	NICKEL	J	1.2	4.0	LOQ	ug/L	
	VANADIUM	J	0.74	1.0	LOQ	ug/L	
	ZINC	J	4.7	30.0	LOQ	ug/L	
CH-SWSD154-SW01-LF	ALUMINUM	J	178	200	LOQ	ug/L	
	ARSENIC	J	1.1	4.0	LOQ	ug/L	
	CHROMIUM	J	1.2	4.0	LOQ	ug/L	
	COPPER	J	1.6	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	1.0	2.0	LOQ	ug/L	
	MANGANESE	J	2.9	4.0	LOQ	ug/L	
	NICKEL	J	1.3	4.0	LOQ	ug/L	
	VANADIUM	J	0.70	1.0	LOQ	ug/L	
CH-SWSD155-SW01-F-LF	ARSENIC	J	1.1	4.0	LOQ	ug/L	
	CHROMIUM	J	2.5	4.0	LOQ	ug/L	
	COPPER	J	2.3	4.0	LOQ	ug/L	J (all detects)
	MANGANESE	J	2.5	4.0	LOQ	ug/L	
	NICKEL	J	1.4	4.0	LOQ	ug/L	
	ZINC	J	6.6	30.0	LOQ	ug/L	
CH-SWSD155-SW01-LF	ARSENIC	J	1.1	4.0	LOQ	ug/L	
	CHROMIUM	J	1.2	4.0	LOQ	ug/L	
	COPPER	J	2.0	4.0	LOQ	ug/L	J (all detects)
	NICKEL	J	1.4	4.0	LOQ	ug/L	
	VANADIUM	J	0.95	1.0	LOQ	ug/L	

Method Blank Outlier Report

Lab Reporting Batch ID: APP73 **Laboratory: LLL**

EDD Filename: APP73-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: **6020A**
Matrix: **WATER**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P27063IB270063909	10/3/2017 1:30:00 PM	BARIUM	0.87 ug/L	CH-SWSD154-SW01-LF
P27163BB271063902	10/2/2017 12:30:00 PM	ALUMINUM	26.2 ug/L	CH-SWSD147-SW01-LF CH-SWSD148-SW01-LF CH-SWSD149-SW01-LF CH-SWSD150-SW01-F-LF CH-SWSD150-SW01-LF CH-SWSD151-SW01-F-LF CH-SWSD151-SW01-LF CH-SWSD152-SW01-F-LF CH-SWSD152-SW01-LF CH-SWSD153-SW01-F-LF CH-SWSD154-SW01-F-LF CH-SWSD155-SW01-F-LF CH-SWSD155-SW01-LF
P27163CB271063903	10/3/2017 6:54:00 AM	ALUMINUM	31.5 ug/L	CH-SWSD153-SW01-LF

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
CH-SWSD150-SW01-F-LF(Initial/DIS)	ALUMINUM	90.0 ug/L	200U ug/L

Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page 1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.	
Laboratory SDG:	APP74 (data gap lab-filtered surface water samples)	
Date(s) of Collection:	June 9th, 2017	
Number/Type Samples & Analyses:	6 surface water samples plus 1 MS/MSD and 1 field duplicate for a project-specific list of metals (lab filtered samples)	
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA	
Completed:	October 11th, 2017	

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for surface water data included in Sample Delivery Group (SDG) APP74. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017.

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✗ Holding times and sample preservation

✗ Laboratory method blank data

✓ Field rinsate blank data

NA Trip blank data

✓ Laboratory control sample (LCS) recoveries

✓ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✓ Surrogate recoveries

✗ Laboratory duplicate results

✗ Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of "J" data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

At AECOM's request, the laboratory filtered the surface water samples through a 0.45 µm and analyzed for dissolved metals by 6020A. Since the filtration occurred after receipt in the laboratory, the recommended holding time criteria of 15-minutes was exceeded. The lab-filtered results are flagged "J" and "UJ" for detected and non-detected results, respectively indicating that the results are estimated values. If the original results were nondetects and the lab-filtered results were detected, the result will be rejected ("R" flag).

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The result is rejected and not usable. Original results were nondetects and the lab-filtered results were detected.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP74 **Laboratory: LLL**

EDD Filename: APP74-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Validation Area	*Note*
Technical Holding Times	SR
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	SR
Surrogate/Tracer Spikes	N
Matrix Spike/Matrix Spike Duplicates	A
Laboratory Duplicates	SR
Laboratory Replicates	N
Laboratory Control Samples	A
Compound Quantitation	SR
Field Duplicates	A
Field Triplicates	N
Field Blanks	N

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP74 **Laboratory: LLL**

EDD Filename: APP74-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **GENCHEM**

Method: **SM 2340B** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD141-SW01-LF** ***Collected:*** **6/9/2017 5:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	24600		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD142-SW01-LF** ***Collected:*** **6/9/2017 4:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	23300		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD143-SW01-LF** ***Collected:*** **6/9/2017 4:30:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	23400		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD144-SW01-LF** ***Collected:*** **6/9/2017 4:15:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	24500		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD145-SW01D-LF** ***Collected:*** **6/9/2017 4:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	23900		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD145-SW01-LF** ***Collected:*** **6/9/2017 4:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	24100		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD146-SW01-LF** ***Collected:*** **6/10/2017 3:30:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	24100		200	LOD	400	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP74 **Laboratory: LLL**

EDD Filename: APP74-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD141-SW01-LF** ***Collected:*** **6/9/2017 5:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	232		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	20.8		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.079	J	0.25	LOD	1.0	LOQ	ug/L	R	RI, StoE, ProfJudg
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	4400		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	1.9	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	215		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.21	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3320		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	1170		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	20300		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.40	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	7.1	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD142-SW01-LF** ***Collected:*** **6/9/2017 4:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	234		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	19.8		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP74 **Laboratory: LLL**

EDD Filename: APP74-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD142-SW01-LF** ***Collected:*** **6/9/2017 4:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	4020		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.2	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	2.2	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	244		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.25	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3230		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	1130		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	19900		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.54	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	7.3	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD143-SW01-LF** ***Collected:*** **6/9/2017 4:30:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	176	J	50.0	LOD	200	LOQ	ug/L	J	RI, StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.076	J	0.25	LOD	1.0	LOQ	ug/L	R	RI, Ld, StoE, ProfJudg
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	4030		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	1.2	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	2.4	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	224		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.21	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3230		25.0	LOD	200	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP74 **Laboratory: LLL**

EDD Filename: APP74-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD143-SW01-LF** ***Collected:*** **6/9/2017 4:30:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MANGANESE	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	1160		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	20000		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.49	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	7.1	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, Ld, StoE

Sample ID: **CH-SWSD143-SW01-LF** ***Collected:*** **6/9/2017 4:30:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	19.7		2.0	LOD	4.0	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD144-SW01-LF** ***Collected:*** **6/9/2017 4:15:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	226		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	18.0		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	4390		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	1.0	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	1.7	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	245		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.25	U	0.25	LOD	2.0	LOQ	ug/L	UJ	StoE
MAGNESIUM	3300		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP74 **Laboratory: LLL**

EDD Filename: APP74-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD144-SW01-LF** ***Collected:*** **6/9/2017 4:15:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	1160		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	20400		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.47	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	6.2	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD145-SW01D-LF** ***Collected:*** **6/9/2017 4:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	211		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	19.2		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.085	J	0.25	LOD	1.0	LOQ	ug/L	R	RI, StoE, ProfJudg
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	4210		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.2	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	2.1	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	240		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.23	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3260		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	1120		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	19900		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP74 **Laboratory: LLL**

EDD Filename: APP74-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD145-SW01D-LF** ***Collected:*** **6/9/2017 4:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
VANADIUM	0.67	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	6.9	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD145-SW01-LF** ***Collected:*** **6/9/2017 4:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	201		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	19.6		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.073	J	0.25	LOD	1.0	LOQ	ug/L	R	RI, StoE, ProfJudg
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	4360		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	0.92	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	1.9	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	244		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.19	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3200		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	1140		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	19900		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.55	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	6.0	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP74 **Laboratory: LLL**

EDD Filename: APP74-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD146-SW01-LF** ***Collected:*** **6/10/2017 3:30:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
ALUMINUM	223		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	23.5		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	4180		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	0.89	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	1.4	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	236		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.11	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3310		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	1200		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	20700		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.55	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	8.6	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP74 **Laboratory: LLL**

EDD Filename: APP74-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Reason Code Legend

Reason Code	*Description*
Ld	Laboratory Duplicate Precision
Mb	Method Blank Contamination
ProfJudg	Professional Judgment
RI	Reporting Limit Trace Value
StoE	Sampling to Extraction Estimation

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Lab Duplicate Outlier Report

Lab Reporting Batch ID: APP74 **Laboratory: LLL**

EDD Filename: APP74-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: 6020A
Matrix: WATER

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
CH-SWSD143-SW01-LFDUP (Dissolved) (CH-SWSD143-SW01-LF)	BERYLLIUM ZINC	200 21	20.00 20.00	J (all detects) UJ (all non-detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: APP74 **Laboratory: LLL**

EDD Filename: APP74-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: 6020A
Matrix: WATER

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD145-SW01-LF (Dissolved)	CH-SWSD145-SW01D-LF (Dissolved)			
ALUMINUM	201	211	5	30.00	
BARIUM	19.6	19.2	2	30.00	
BERYLLIUM	0.073	0.085	15	30.00	
CALCIUM	4360	4210	4	30.00	
CHROMIUM	0.92	2.2	82	30.00	
COPPER	1.9	2.1	10	30.00	
IRON	244	240	2	30.00	No Qualifiers Applied
LEAD	0.19	0.23	19	30.00	
MAGNESIUM	3200	3260	2	30.00	
POTASSIUM	1140	1120	2	30.00	
SODIUM	19900	19900	0	30.00	
VANADIUM	0.55	0.67	20	30.00	
ZINC	6.0	6.9	14	30.00	

Method: SM 2340B
Matrix: WATER

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD145-SW01-LF	CH-SWSD145-SW01D-LF			
HARDNESS (AS CACO3)	24100	23900	1	30.00	No Qualifiers Applied

Project Name and Number: Camp Hero - Camp Hero

Reporting Limit Outliers

Lab Reporting Batch ID: APP74 **Laboratory: LLL**

EDD Filename: APP74-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: **6020A**

Matrix: **WATER**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD141-SW01-LF	BERYLLIUM	J	0.079	1.0	LOQ	ug/L	J (all detects)
	COPPER	J	1.9	4.0	LOQ	ug/L	
	LEAD	J	0.21	2.0	LOQ	ug/L	
	VANADIUM	J	0.40	1.0	LOQ	ug/L	
	ZINC	J	7.1	30.0	LOQ	ug/L	
CH-SWSD142-SW01-LF	CHROMIUM	J	2.2	4.0	LOQ	ug/L	J (all detects)
	COPPER	J	2.2	4.0	LOQ	ug/L	
	LEAD	J	0.25	2.0	LOQ	ug/L	
	VANADIUM	J	0.54	1.0	LOQ	ug/L	
	ZINC	J	7.3	30.0	LOQ	ug/L	
CH-SWSD143-SW01-LF	ALUMINUM	J	176	200	LOQ	ug/L	J (all detects)
	BERYLLIUM	J	0.076	1.0	LOQ	ug/L	
	CHROMIUM	J	1.2	4.0	LOQ	ug/L	
	COPPER	J	2.4	4.0	LOQ	ug/L	
	LEAD	J	0.21	2.0	LOQ	ug/L	
	VANADIUM	J	0.49	1.0	LOQ	ug/L	
	ZINC	J	7.1	30.0	LOQ	ug/L	
CH-SWSD144-SW01-LF	CHROMIUM	J	1.0	4.0	LOQ	ug/L	J (all detects)
	COPPER	J	1.7	4.0	LOQ	ug/L	
	VANADIUM	J	0.47	1.0	LOQ	ug/L	
	ZINC	J	6.2	30.0	LOQ	ug/L	
CH-SWSD145-SW01D-LF	BERYLLIUM	J	0.085	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	2.2	4.0	LOQ	ug/L	
	COPPER	J	2.1	4.0	LOQ	ug/L	
	LEAD	J	0.23	2.0	LOQ	ug/L	
	VANADIUM	J	0.67	1.0	LOQ	ug/L	
	ZINC	J	6.9	30.0	LOQ	ug/L	
CH-SWSD145-SW01-LF	BERYLLIUM	J	0.073	1.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	0.92	4.0	LOQ	ug/L	
	COPPER	J	1.9	4.0	LOQ	ug/L	
	LEAD	J	0.19	2.0	LOQ	ug/L	
	VANADIUM	J	0.55	1.0	LOQ	ug/L	
	ZINC	J	6.0	30.0	LOQ	ug/L	
CH-SWSD146-SW01-LF	CHROMIUM	J	0.89	4.0	LOQ	ug/L	J (all detects)
	COPPER	J	1.4	4.0	LOQ	ug/L	
	LEAD	J	0.11	2.0	LOQ	ug/L	
	VANADIUM	J	0.55	1.0	LOQ	ug/L	
	ZINC	J	8.6	30.0	LOQ	ug/L	

Method Blank Outlier Report

Lab Reporting Batch ID: APP74 **Laboratory: LLL**

EDD Filename: APP74-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: **6020A**
Matrix: **WATER**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P27163DB271063904	10/4/2017 8:03:00 AM	MANGANESE	2.9 ug/L	CH-SWSD141-SW01-LF CH-SWSD142-SW01-LF CH-SWSD143-SW01-LF CH-SWSD144-SW01-LF CH-SWSD145-SW01D-LF CH-SWSD145-SW01-LF CH-SWSD146-SW01-LF

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Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page	1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.		
Laboratory SDG:	APP75 (data gap lab-filtered surface water samples)		
Date(s) of Collection:	June 7th, 2017		
Number/Type Samples & Analyses:	19 surface water samples plus 1 MS/MSD and 3 field duplicates for a project-specific list of metals (lab filtered samples)		
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA		
Completed:	October 12th, 2017		

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for surface water data included in Sample Delivery Group (SDG) APP75. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017.

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✗ Holding times and sample preservation

✓ Laboratory method blank data

✓ Field rinsate blank data

NA Trip blank data

✓ Laboratory control sample (LCS) recoveries

✗ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✓ Surrogate recoveries

✗ Laboratory duplicate results

✗ Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of "J" data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

At AECOM's request, the laboratory filtered the surface water samples through a 0.45 µm and analyzed for dissolved metals by 6020A. Since the filtration occurred after receipt in the laboratory, the recommended holding time criteria of 15-minutes was exceeded. The lab-filtered results are flagged "J" and "UJ" for detected and non-detected results, respectively indicating that the results are estimated values. If the original results were nondetects and the lab-filtered results were detected, the result will be rejected ("R" flag).

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The result is rejected and not usable. Original results were nondetects and the lab-filtered results were detected..

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP75 **Laboratory: LLL**

EDD Filename: APP75-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Validation Area	*Note*
Technical Holding Times	SR
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	A
Surrogate/Tracer Spikes	N
Matrix Spike/Matrix Spike Duplicates	SR
Laboratory Duplicates	SR
Laboratory Replicates	N
Laboratory Control Samples	A
Compound Quantitation	SR
Field Duplicates	A
Field Triplicates	N
Field Blanks	N

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP75 **Laboratory: LLL**

EDD Filename: APP75-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **GENCHEM**

Method: **SM 2340B** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD098-SW01-F-LF** ***Collected:*** **6/7/2017 5:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	38700		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD098-SW01-LF** ***Collected:*** **6/7/2017 5:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	40300		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD099-SW01-LF** ***Collected:*** **6/7/2017 4:25:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	40800		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD100-SW01D-LF** ***Collected:*** **6/7/2017 4:10:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	34900		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD100-SW01-LF** ***Collected:*** **6/7/2017 4:10:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	37200		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD126-SW01-LF** ***Collected:*** **6/7/2017 1:30:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	10400		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD127-SW01-LF** ***Collected:*** **6/7/2017 1:15:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	14100		200	LOD	400	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP75 **Laboratory: LLL**

EDD Filename: APP75-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: GENCHEM

Method: SM 2340B **Matrix: WATER**

Sample ID: CH-SWSD128-SW01-LF **Collected:** 6/7/2017 1:00:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	14900		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD129-SW01D-LF **Collected:** 6/7/2017 11:55:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	15000		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD129-SW01-LF **Collected:** 6/7/2017 11:55:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	14300		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD130-SW01-LF **Collected:** 6/7/2017 11:45:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	13600		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD131-SW01-LF **Collected:** 6/7/2017 11:30:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	14500		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD132-SW01-LF **Collected:** 6/7/2017 11:00:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	13200		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD133-SW01-LF **Collected:** 6/7/2017 10:45:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	13900		200	LOD	400	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP75 **Laboratory: LLL**

EDD Filename: APP75-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: GENCHEM

Method: SM 2340B **Matrix: WATER**

Sample ID: CH-SWSD134-SW01-LF **Collected:** 6/7/2017 10:20:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	12900		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD135-SW01D-LF **Collected:** 6/7/2017 10:15:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	13200		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD135-SW01-LF **Collected:** 6/7/2017 10:15:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	12600		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD136-SW01-LF **Collected:** 6/7/2017 10:05:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	12900		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD137-SW01-LF **Collected:** 6/7/2017 9:50:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	12700		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD138-SW01-LF **Collected:** 6/7/2017 9:20:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	13300		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD139-SW01-LF **Collected:** 6/7/2017 8:50:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	13300		200	LOD	400	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP75 **Laboratory: LLL**

EDD Filename: APP75-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **GENCHEM**

Method: **SM 2340B** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD140-SW01-LF** ***Collected:*** **6/7/2017 8:30:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	13500		200	LOD	400	LOQ	ug/L	J	StoE

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD098-SW01-F-LF** ***Collected:*** **6/7/2017 5:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	267		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	10300		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	1.4	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	2.3	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	322		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.21	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3170		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	1.3	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	1370		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	14000		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.0		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	7.7	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP75 **Laboratory: LLL**

EDD Filename: APP75-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD098-SW01-F-LF** ***Collected:*** **6/7/2017 5:00:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	15.6		2.0	LOD	4.0	LOQ	ug/L	J	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD098-SW01-LF** ***Collected:*** **6/7/2017 5:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	198	J	50.0	LOD	200	LOQ	ug/L	J	RI, StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	10900		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	1.7	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.19	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	2.8	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	325		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.40	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3160		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	14.0		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.0	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1320		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	13100		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.90	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	10.5	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD098-SW01-LF** ***Collected:*** **6/7/2017 5:00:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	14.4		2.0	LOD	4.0	LOQ	ug/L	J	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP75 **Laboratory: LLL**

EDD Filename: APP75-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD099-SW01-LF** ***Collected:*** **6/7/2017 4:25:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	371		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	10800		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.9	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.21	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	3.5	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
LEAD	0.38	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3350		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	6.8		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.7	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1370		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	14100		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.0		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	9.0	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD099-SW01-LF** ***Collected:*** **6/7/2017 4:25:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	16.6		2.0	LOD	4.0	LOQ	ug/L	J	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
IRON	417		100	LOD	200	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD100-SW01D-LF** ***Collected:*** **6/7/2017 4:10:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	320		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP75 **Laboratory: LLL**

EDD Filename: APP75-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD100-SW01D-LF** ***Collected:*** **6/7/2017 4:10:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	9060		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	1.4	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	4.1		1.0	LOD	4.0	LOQ	ug/L	J	StoE
IRON	271		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.49	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2990		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	2.8	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	1.6	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1230		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	14300		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.0		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	6.3	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD100-SW01D-LF** ***Collected:*** **6/7/2017 4:10:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	16.2		2.0	LOD	4.0	LOQ	ug/L	J	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD100-SW01-LF** ***Collected:*** **6/7/2017 4:10:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	362		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP75 **Laboratory: LLL**

EDD Filename: APP75-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD100-SW01-LF** ***Collected:*** **6/7/2017 4:10:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	9710		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	3.4	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	3.3	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	281		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.50	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3140		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	4.2		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.6	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1270		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	14900		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.1		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	10.5	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD100-SW01-LF** ***Collected:*** **6/7/2017 4:10:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	16.5		2.0	LOD	4.0	LOQ	ug/L	J	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD126-SW01-LF** ***Collected:*** **6/7/2017 1:30:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	607		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.11	J	0.25	LOD	1.0	LOQ	ug/L	R	RI, StoE, ProfJudg
CALCIUM	1540		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	3.4	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP75 **Laboratory: LLL**

EDD Filename: APP75-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD126-SW01-LF** ***Collected:*** **6/7/2017 1:30:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COBALT	0.40	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	3.2	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	1410		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	1.7	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	1600		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	13.3		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.5	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	147	J	200	LOD	400	LOQ	ug/L	J	RI, StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	19300		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.3		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	32.1		7.5	LOD	30.0	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD126-SW01-LF** ***Collected:*** **6/7/2017 1:30:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	18.2		2.0	LOD	4.0	LOQ	ug/L	J	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD127-SW01-LF** ***Collected:*** **6/7/2017 1:15:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	461		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	2330		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.0	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.37	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	2.6	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP75 **Laboratory: LLL**

EDD Filename: APP75-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD127-SW01-LF** ***Collected:*** **6/7/2017 1:15:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
IRON	609		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	1.6	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2000		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	7.9		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	653		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	18600		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.6		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	18.8	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD127-SW01-LF** ***Collected:*** **6/7/2017 1:15:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	15.8		2.0	LOD	4.0	LOQ	ug/L	J	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD128-SW01-LF** ***Collected:*** **6/7/2017 1:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	341		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	2340		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	3.4	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.35	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	3.4	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	387		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	1.2	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP75 **Laboratory: LLL**

EDD Filename: APP75-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD128-SW01-LF** ***Collected:*** **6/7/2017 1:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MAGNESIUM	2210		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	6.7		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	590		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	18900		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.3		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	14.4	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD128-SW01-LF** ***Collected:*** **6/7/2017 1:00:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	14.5		2.0	LOD	4.0	LOQ	ug/L	J	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD129-SW01D-LF** ***Collected:*** **6/7/2017 11:55:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	425		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	2440		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	3.0	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.27	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	2.9	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	364		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	1.4	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2160		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	6.5		2.0	LOD	4.0	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP75 **Laboratory: LLL**

EDD Filename: APP75-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD129-SW01D-LF** ***Collected:*** **6/7/2017 11:55:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	505		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	18500		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.5		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	16.0	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD129-SW01D-LF** ***Collected:*** **6/7/2017 11:55:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	13.7		2.0	LOD	4.0	LOQ	ug/L	J	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD129-SW01-LF** ***Collected:*** **6/7/2017 11:55:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	436		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	2220		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	3.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.25	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	2.6	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	491		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	1.4	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2120		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	6.3		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	496		200	LOD	400	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP75 **Laboratory: LLL**

EDD Filename: APP75-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD129-SW01-LF** ***Collected:*** **6/7/2017 11:55:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	18400		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.3		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	15.8	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD129-SW01-LF** ***Collected:*** **6/7/2017 11:55:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	14.6		2.0	LOD	4.0	LOQ	ug/L	J	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD130-SW01-LF** ***Collected:*** **6/7/2017 11:45:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	415		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	1950		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	1.5	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.19	J	0.50	LOD	1.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COPPER	2.0	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	342		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	1.0	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2120		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	6.3		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	403		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP75 **Laboratory: LLL**

EDD Filename: APP75-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD130-SW01-LF** ***Collected:*** **6/7/2017 11:45:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	17900		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.4		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	14.2	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD130-SW01-LF** ***Collected:*** **6/7/2017 11:45:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	14.2		2.0	LOD	4.0	LOQ	ug/L	J	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD131-SW01-LF** ***Collected:*** **6/7/2017 11:30:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	392		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	2420		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	1.6	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.25	J	0.50	LOD	1.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COPPER	3.0	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	294		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	1.3	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2060		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	9.8		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	453		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	17300		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP75 **Laboratory: LLL**

EDD Filename: APP75-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD131-SW01-LF** ***Collected:*** **6/7/2017 11:30:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
VANADIUM	0.89	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	14.0	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD131-SW01-LF** ***Collected:*** **6/7/2017 11:30:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	15.7		2.0	LOD	4.0	LOQ	ug/L	J	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD132-SW01-LF** ***Collected:*** **6/7/2017 11:00:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	410		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	2020		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	1.2	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.25	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	1.8	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	302		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.99	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	1990		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	6.0		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	402		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16900		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.2		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	11.6	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP75 **Laboratory: LLL**

EDD Filename: APP75-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD132-SW01-LF** ***Collected:*** **6/7/2017 11:00:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	13.6		2.0	LOD	4.0	LOQ	ug/L	J	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD133-SW01-LF** ***Collected:*** **6/7/2017 10:45:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	421		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	2160		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.7	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.25	J	0.50	LOD	1.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COPPER	2.8	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	307		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	1.3	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2070		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	7.0		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	461		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	17700		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.7		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	15.7	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD133-SW01-LF** ***Collected:*** **6/7/2017 10:45:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	14.5		2.0	LOD	4.0	LOQ	ug/L	J	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP75 **Laboratory: LLL**

EDD Filename: APP75-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD134-SW01-LF** ***Collected:*** **6/7/2017 10:20:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	402		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	2060		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	3.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.21	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	2.8	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	294		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	1.5	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	1890		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	6.2		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.0	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	441		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	15900		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.4		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	15.6	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD134-SW01-LF** ***Collected:*** **6/7/2017 10:20:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	13.7		2.0	LOD	4.0	LOQ	ug/L	J	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD135-SW01D-LF** ***Collected:*** **6/7/2017 10:15:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	444		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP75 **Laboratory: LLL**

EDD Filename: APP75-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD135-SW01D-LF** ***Collected:*** **6/7/2017 10:15:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	2150		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	3.3	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.28	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	3.5	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	362		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	1.4	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	1910		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	6.6		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	439		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16100		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.1		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	12.9	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD135-SW01D-LF** ***Collected:*** **6/7/2017 10:15:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	14.4		2.0	LOD	4.0	LOQ	ug/L	J	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD135-SW01-LF** ***Collected:*** **6/7/2017 10:15:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	503		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP75 **Laboratory: LLL**

EDD Filename: APP75-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD135-SW01-LF** ***Collected:*** **6/7/2017 10:15:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	1880		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	3.5	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.30	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	2.8	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	346		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	1.7	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	1920		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	6.3		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	433		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16600		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.4		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	13.4	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD135-SW01-LF** ***Collected:*** **6/7/2017 10:15:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	14.6		2.0	LOD	4.0	LOQ	ug/L	J	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD136-SW01-LF** ***Collected:*** **6/7/2017 10:05:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CHROMIUM	3.5	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.21	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP75 **Laboratory: LLL**

EDD Filename: APP75-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD136-SW01-LF** ***Collected:*** **6/7/2017 10:05:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	3.1	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	341		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	1.3	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	1870		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	7.3		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	5.2		2.0	LOD	4.0	LOQ	ug/L	R	StoE, ProfJudg
POTASSIUM	635		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16400		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.4		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	18.5	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD136-SW01-LF** ***Collected:*** **6/7/2017 10:05:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	520		50.0	LOD	200	LOQ	ug/L	J	StoE
BARIUM	14.7		2.0	LOD	4.0	LOQ	ug/L	J	StoE
CALCIUM	2100		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD137-SW01-LF** ***Collected:*** **6/7/2017 9:50:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	487		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CHROMIUM	2.6	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.29	J	0.50	LOD	1.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COPPER	3.5	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP75 **Laboratory: LLL**

EDD Filename: APP75-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD137-SW01-LF** ***Collected:*** **6/7/2017 9:50:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
IRON	339		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	1.4	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	1780		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	6.6		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	556		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	15900		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.4		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	15.2	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD137-SW01-LF** ***Collected:*** **6/7/2017 9:50:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	14.8		2.0	LOD	4.0	LOQ	ug/L	J	StoE
CALCIUM	2140		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD138-SW01-LF** ***Collected:*** **6/7/2017 9:20:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	488		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	2330		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	1.5	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.27	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	1.5	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	317		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	1.1	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP75 **Laboratory: LLL**

EDD Filename: APP75-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD138-SW01-LF** ***Collected:*** **6/7/2017 9:20:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MAGNESIUM	1830		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	5.6		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	559		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16400		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.4		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	14.4	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD138-SW01-LF** ***Collected:*** **6/7/2017 9:20:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	14.2		2.0	LOD	4.0	LOQ	ug/L	J	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD139-SW01-LF** ***Collected:*** **6/7/2017 8:50:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	468		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	2210		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	1.0	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.32	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	1.7	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	390		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	1.1	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	1880		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	7.0		2.0	LOD	4.0	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP75 **Laboratory: LLL**

EDD Filename: APP75-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD139-SW01-LF** ***Collected:*** **6/7/2017 8:50:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NICKEL	1.2	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
POTASSIUM	561		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	17000		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.1		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	15.8	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD139-SW01-LF** ***Collected:*** **6/7/2017 8:50:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	15.9		2.0	LOD	4.0	LOQ	ug/L	J	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD140-SW01-LF** ***Collected:*** **6/7/2017 8:30:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	534		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	Ms, Ms, StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.085	J	0.25	LOD	1.0	LOQ	ug/L	R	RI, StoE, ProfJudg
CALCIUM	2300		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	1.6	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.53	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, Ld, StoE
COPPER	2.6	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	374		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	1.3	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	1890		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	7.0		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	543		200	LOD	400	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP75 **Laboratory: LLL**

EDD Filename: APP75-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD140-SW01-LF** ***Collected:*** **6/7/2017 8:30:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16600		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.93	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl, Ld, StoE
ZINC	16.0	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl, StoE

Sample ID: **CH-SWSD140-SW01-LF** ***Collected:*** **6/7/2017 8:30:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	18.5		2.0	LOD	4.0	LOQ	ug/L	J	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP75 **Laboratory: LLL**

EDD Filename: APP75-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Reason Code Legend

Reason Code	*Description*
Ld	Laboratory Duplicate Precision
Ms	Matrix Spike Lower Estimation
Ms	Matrix Spike Precision
ProfJudg	Professional Judgment
RI	Reporting Limit Trace Value
StoE	Sampling to Extraction Estimation

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP75 **Laboratory: LLL**

EDD Filename: APP75-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: **6020A**
Matrix: **WATER**

QC Sample ID (Associated Samples)	*Compound*	*MS %R*	*MSD %R*	*%R Limits*	*RPD (Limits)*	*Affected Compounds*	*Flag*
CH-SWSD140-SW01-LFMSD (Dissolved) (CH-SWSD140-SW01-LF)	ANTIMONY	-	78	85.00-117.00	27 (20.00)	ANTIMONY	J (all detects) UJ (all non-detects)

Project Name and Number: Camp Hero - Camp Hero

Lab Duplicate Outlier Report

Lab Reporting Batch ID: APP75 **Laboratory: LLL**

EDD Filename: APP75-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: 6020A
Matrix: WATER

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
CH-SWSD140-SW01-LFDUP (Dissolved) (CH-SWSD140-SW01-LF)	COBALT VANADIUM	63 39	20.00 20.00	J (all detects) UJ (all non-detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: APP75 **Laboratory: LLL**

EDD Filename: APP75-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: 6020A
Matrix: WATER

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD129-SW01-LF (Dissolved)	CH-SWSD129-SW01D-LF (Dissolved)			
ALUMINUM	436	425	3	30.00	No Qualifiers Applied
BARIUM	14.6	13.7	6	30.00	
CALCIUM	2220	2440	9	30.00	
CHROMIUM	3.1	3.0	3	30.00	
COBALT	0.25	0.27	8	30.00	
COPPER	2.6	2.9	11	30.00	
IRON	491	364	30	30.00	
LEAD	1.4	1.4	0	30.00	
MAGNESIUM	2120	2160	2	30.00	
MANGANESE	6.3	6.5	3	30.00	
POTASSIUM	496	505	2	30.00	
SODIUM	18400	18500	1	30.00	
VANADIUM	1.3	1.5	14	30.00	
ZINC	15.8	16.0	1	30.00	

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD100-SW01-LF (Dissolved)	CH-SWSD100-SW01D-LF (Dissolved)			
ALUMINUM	362	320	12	30.00	No Qualifiers Applied
BARIUM	16.5	16.2	2	30.00	
CALCIUM	9710	9060	7	30.00	
CHROMIUM	3.4	1.4	83	30.00	
COPPER	3.3	4.1	22	30.00	
IRON	281	271	4	30.00	
LEAD	0.50	0.49	2	30.00	
MAGNESIUM	3140	2990	5	30.00	
MANGANESE	4.2	2.8	40	30.00	
NICKEL	1.6	1.6	0	30.00	
POTASSIUM	1270	1230	3	30.00	
SODIUM	14900	14300	4	30.00	
VANADIUM	1.1	1.0	10	30.00	
ZINC	10.5	6.3	50	30.00	

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD135-SW01-LF (Dissolved)	CH-SWSD135-SW01D-LF (Dissolved)			
ALUMINUM	503	444	12	30.00	No Qualifiers Applied
BARIUM	14.6	14.4	1	30.00	
CALCIUM	1880	2150	13	30.00	
CHROMIUM	3.5	3.3	6	30.00	
COBALT	0.30	0.28	7	30.00	
COPPER	2.8	3.5	22	30.00	
IRON	346	362	5	30.00	
LEAD	1.7	1.4	19	30.00	
MAGNESIUM	1920	1910	1	30.00	
MANGANESE	6.3	6.6	5	30.00	
POTASSIUM	433	439	1	30.00	
SODIUM	16600	16100	3	30.00	
VANADIUM	1.4	1.1	24	30.00	
ZINC	13.4	12.9	4	30.00	

Project Name and Number: Camp Hero - Camp Hero

Field Duplicate RPD Report

Lab Reporting Batch ID: APP75 **Laboratory: LLL**

EDD Filename: APP75-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: SM 2340B
Matrix: WATER

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD129-SW01-LF	CH-SWSD129-SW01D-LF			
HARDNESS (AS CACO3)	14300	15000	5	30.00	No Qualifiers Applied

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD100-SW01-LF	CH-SWSD100-SW01D-LF			
HARDNESS (AS CACO3)	37200	34900	6	30.00	No Qualifiers Applied

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	CH-SWSD135-SW01-LF	CH-SWSD135-SW01D-LF			
HARDNESS (AS CACO3)	12600	13200	5	30.00	No Qualifiers Applied

Reporting Limit Outliers

Lab Reporting Batch ID: APP75 **Laboratory: LLL**

EDD Filename: APP75-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: **6020A**

Matrix: **WATER**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD098-SW01-F-LF	CHROMIUM	J	1.4	4.0	LOQ	ug/L	
	COPPER	J	2.3	4.0	LOQ	ug/L	
	LEAD	J	0.21	2.0	LOQ	ug/L	J (all detects)
	MANGANESE	J	1.3	4.0	LOQ	ug/L	
	ZINC	J	7.7	30.0	LOQ	ug/L	
CH-SWSD098-SW01-LF	ALUMINUM	J	198	200	LOQ	ug/L	
	CHROMIUM	J	1.7	4.0	LOQ	ug/L	
	COBALT	J	0.19	1.0	LOQ	ug/L	
	COPPER	J	2.8	4.0	LOQ	ug/L	
	LEAD	J	0.40	2.0	LOQ	ug/L	J (all detects)
	NICKEL	J	1.0	4.0	LOQ	ug/L	
	VANADIUM	J	0.90	1.0	LOQ	ug/L	
	ZINC	J	10.5	30.0	LOQ	ug/L	
CH-SWSD099-SW01-LF	CHROMIUM	J	2.9	4.0	LOQ	ug/L	
	COBALT	J	0.21	1.0	LOQ	ug/L	
	COPPER	J	3.5	4.0	LOQ	ug/L	
	LEAD	J	0.38	2.0	LOQ	ug/L	J (all detects)
	NICKEL	J	1.7	4.0	LOQ	ug/L	
	ZINC	J	9.0	30.0	LOQ	ug/L	
CH-SWSD100-SW01D-LF	CHROMIUM	J	1.4	4.0	LOQ	ug/L	
	LEAD	J	0.49	2.0	LOQ	ug/L	
	MANGANESE	J	2.8	4.0	LOQ	ug/L	J (all detects)
	NICKEL	J	1.6	4.0	LOQ	ug/L	
	ZINC	J	6.3	30.0	LOQ	ug/L	
CH-SWSD100-SW01-LF	CHROMIUM	J	3.4	4.0	LOQ	ug/L	
	COPPER	J	3.3	4.0	LOQ	ug/L	
	LEAD	J	0.50	2.0	LOQ	ug/L	J (all detects)
	NICKEL	J	1.6	4.0	LOQ	ug/L	
	ZINC	J	10.5	30.0	LOQ	ug/L	
CH-SWSD126-SW01-LF	BERYLLIUM	J	0.11	1.0	LOQ	ug/L	
	CHROMIUM	J	3.4	4.0	LOQ	ug/L	
	COBALT	J	0.40	1.0	LOQ	ug/L	
	COPPER	J	3.2	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	1.7	2.0	LOQ	ug/L	
	NICKEL	J	1.5	4.0	LOQ	ug/L	
	POTASSIUM	J	147	400	LOQ	ug/L	
CH-SWSD127-SW01-LF	CHROMIUM	J	2.0	4.0	LOQ	ug/L	
	COBALT	J	0.37	1.0	LOQ	ug/L	
	COPPER	J	2.6	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	1.6	2.0	LOQ	ug/L	
	ZINC	J	18.8	30.0	LOQ	ug/L	
CH-SWSD128-SW01-LF	CHROMIUM	J	3.4	4.0	LOQ	ug/L	
	COBALT	J	0.35	1.0	LOQ	ug/L	
	COPPER	J	3.4	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	1.2	2.0	LOQ	ug/L	
	ZINC	J	14.4	30.0	LOQ	ug/L	
CH-SWSD129-SW01D-LF	CHROMIUM	J	3.0	4.0	LOQ	ug/L	
	COBALT	J	0.27	1.0	LOQ	ug/L	
	COPPER	J	2.9	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	1.4	2.0	LOQ	ug/L	
	ZINC	J	16.0	30.0	LOQ	ug/L	

Project Name and Number: Camp Hero - Camp Hero

Reporting Limit Outliers

Lab Reporting Batch ID: APP75 **Laboratory: LLL**

EDD Filename: APP75-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: 6020A

Matrix: WATER

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
CH-SWSD129-SW01-LF	CHROMIUM	J	3.1	4.0	LOQ	ug/L	
	COBALT	J	0.25	1.0	LOQ	ug/L	
	COPPER	J	2.6	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	1.4	2.0	LOQ	ug/L	
	ZINC	J	15.8	30.0	LOQ	ug/L	
CH-SWSD130-SW01-LF	CHROMIUM	J	1.5	4.0	LOQ	ug/L	
	COBALT	J	0.19	1.0	LOQ	ug/L	
	COPPER	J	2.0	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	1.0	2.0	LOQ	ug/L	
	ZINC	J	14.2	30.0	LOQ	ug/L	
CH-SWSD131-SW01-LF	CHROMIUM	J	1.6	4.0	LOQ	ug/L	
	COBALT	J	0.25	1.0	LOQ	ug/L	
	COPPER	J	3.0	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	1.3	2.0	LOQ	ug/L	
	VANADIUM	J	0.89	1.0	LOQ	ug/L	
	ZINC	J	14.0	30.0	LOQ	ug/L	
CH-SWSD132-SW01-LF	CHROMIUM	J	1.2	4.0	LOQ	ug/L	
	COBALT	J	0.25	1.0	LOQ	ug/L	
	COPPER	J	1.8	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	0.99	2.0	LOQ	ug/L	
	ZINC	J	11.6	30.0	LOQ	ug/L	
CH-SWSD133-SW01-LF	CHROMIUM	J	2.7	4.0	LOQ	ug/L	
	COBALT	J	0.25	1.0	LOQ	ug/L	
	COPPER	J	2.8	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	1.3	2.0	LOQ	ug/L	
	ZINC	J	15.7	30.0	LOQ	ug/L	
CH-SWSD134-SW01-LF	CHROMIUM	J	3.1	4.0	LOQ	ug/L	
	COBALT	J	0.21	1.0	LOQ	ug/L	
	COPPER	J	2.8	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	1.5	2.0	LOQ	ug/L	
	NICKEL	J	1.0	4.0	LOQ	ug/L	
	ZINC	J	15.6	30.0	LOQ	ug/L	
CH-SWSD135-SW01D-LF	CHROMIUM	J	3.3	4.0	LOQ	ug/L	
	COBALT	J	0.28	1.0	LOQ	ug/L	
	COPPER	J	3.5	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	1.4	2.0	LOQ	ug/L	
	ZINC	J	12.9	30.0	LOQ	ug/L	
CH-SWSD135-SW01-LF	CHROMIUM	J	3.5	4.0	LOQ	ug/L	
	COBALT	J	0.30	1.0	LOQ	ug/L	
	COPPER	J	2.8	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	1.7	2.0	LOQ	ug/L	
	ZINC	J	13.4	30.0	LOQ	ug/L	
CH-SWSD136-SW01-LF	CHROMIUM	J	3.5	4.0	LOQ	ug/L	
	COBALT	J	0.21	1.0	LOQ	ug/L	
	COPPER	J	3.1	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	1.3	2.0	LOQ	ug/L	
	ZINC	J	18.5	30.0	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: APP75 **Laboratory: LLL**

EDD Filename: APP75-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: **6020A**

Matrix: **WATER**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD137-SW01-LF	CHROMIUM	J	2.6	4.0	LOQ	ug/L	
	COBALT	J	0.29	1.0	LOQ	ug/L	
	COPPER	J	3.5	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	1.4	2.0	LOQ	ug/L	
	ZINC	J	15.2	30.0	LOQ	ug/L	
CH-SWSD138-SW01-LF	CHROMIUM	J	1.5	4.0	LOQ	ug/L	
	COBALT	J	0.27	1.0	LOQ	ug/L	
	COPPER	J	1.5	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	1.1	2.0	LOQ	ug/L	
	ZINC	J	14.4	30.0	LOQ	ug/L	
CH-SWSD139-SW01-LF	CHROMIUM	J	1.0	4.0	LOQ	ug/L	
	COBALT	J	0.32	1.0	LOQ	ug/L	
	COPPER	J	1.7	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	1.1	2.0	LOQ	ug/L	
	NICKEL	J	1.2	4.0	LOQ	ug/L	
	ZINC	J	15.8	30.0	LOQ	ug/L	
CH-SWSD140-SW01-LF	BERYLLIUM	J	0.085	1.0	LOQ	ug/L	
	CHROMIUM	J	1.6	4.0	LOQ	ug/L	
	COBALT	J	0.53	1.0	LOQ	ug/L	
	COPPER	J	2.6	4.0	LOQ	ug/L	J (all detects)
	LEAD	J	1.3	2.0	LOQ	ug/L	
	VANADIUM	J	0.93	1.0	LOQ	ug/L	
	ZINC	J	16.0	30.0	LOQ	ug/L	

Method Blank Outlier Report

Lab Reporting Batch ID: APP75 **Laboratory: LLL**

EDD Filename: APP75-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

No Data Review Qualifiers Applied.

Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page	1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.		
Laboratory SDG:	APP76 (data gap lab-filtered surface water samples)		
Date(s) of Collection:	June 3rd, 2017		
Number/Type Samples & Analyses:	14 surface water samples plus 1 MS/MSD for a project-specific list of metals (lab filtered samples)		
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA		
Completed:	October 12th, 2017		

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for surface water data included in Sample Delivery Group (SDG) APP76. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017.

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✗ Holding times and sample preservation

✓ Laboratory method blank data

✓ Field rinsate blank data

NA Trip blank data

✓ Laboratory control sample (LCS) recoveries

✗ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✓ Surrogate recoveries

✗ Laboratory duplicate results

NA Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of "J" data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

At AECOM's request, the laboratory filtered the surface water samples through a 0.45 µm and analyzed for dissolved metals by 6020A. Since the filtration occurred after receipt in the laboratory, the recommended holding time criteria of 15-minutes was exceeded. The lab-filtered results are flagged "J" and "UJ" for detected and non-detected results, respectively indicating that the results are estimated values. If the original results were nondetects and the lab-filtered results were detected, the result will be rejected ("R" flag).

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The result is rejected and not usable. Original results were nondetects and the lab-filtered results were detected.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Data Review Summary

Lab Reporting Batch ID: APP76 **Laboratory: LLL**

EDD Filename: APP76-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Validation Area	*Note*
Technical Holding Times	SR
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	SR
Surrogate/Tracer Spikes	N
Matrix Spike/Matrix Spike Duplicates	SR
Laboratory Duplicates	SR
Laboratory Replicates	N
Laboratory Control Samples	A
Compound Quantitation	SR
Field Duplicates	N
Field Triplicates	N
Field Blanks	N

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP76 **Laboratory: LLL**

EDD Filename: APP76-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: GENCHEM

Method: SM 2340B **Matrix: WATER**

Sample ID: CH-SWSD046-SW01-LF **Collected:** 6/3/2017 11:50:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	25800		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD047-SW01-LF **Collected:** 6/3/2017 11:35:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	24500		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD048-SW01-LF **Collected:** 6/3/2017 11:20:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	26300		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD049-SW01-LF **Collected:** 6/3/2017 11:00:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	24500		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD050-SW01-LF **Collected:** 6/3/2017 10:30:00 AM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	26300		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD113-SW01-LF **Collected:** 6/3/2017 1:00:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	26800		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: CH-SWSD114-SW01-F-LF **Collected:** 6/3/2017 12:20:00 PM **Analysis Type:** Initial/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	27000		200	LOD	400	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP76 **Laboratory: LLL**

EDD Filename: APP76-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **GENCHEM**

Method: **SM 2340B** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD114-SW01-LF** ***Collected:*** **6/3/2017 12:20:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	25800		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD116-SW01-F-LF** ***Collected:*** **6/3/2017 2:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	58200		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD116-SW01-LF** ***Collected:*** **6/3/2017 2:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	60700		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD117-SW01-F-LF** ***Collected:*** **6/3/2017 2:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	43700		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD117-SW01-LF** ***Collected:*** **6/3/2017 2:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	37500		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD118-SW01-F-LF** ***Collected:*** **6/3/2017 1:55:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	29000		200	LOD	400	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD118-SW01-LF** ***Collected:*** **6/3/2017 1:55:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
HARDNESS (AS CACO3)	30300		200	LOD	400	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP76 **Laboratory: LLL**

EDD Filename: APP76-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD046-SW01-LF** ***Collected:*** **6/3/2017 11:50:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	40.7	J	50.0	LOD	200	LOQ	ug/L	J	RI, StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	5010		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	1.4	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	1.9	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	179	J	100	LOD	200	LOQ	ug/L	J	RI, StoE
LEAD	0.21	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3220		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	1130		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	17200		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.34	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	7.5	U	7.5	LOD	30.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD046-SW01-LF** ***Collected:*** **6/3/2017 11:50:00 AM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	9.4		2.0	LOD	4.0	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD047-SW01-LF** ***Collected:*** **6/3/2017 11:35:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	165	J	50.0	LOD	200	LOQ	ug/L	J	RI, StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP76 **Laboratory: LLL**

EDD Filename: APP76-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD047-SW01-LF** ***Collected:*** **6/3/2017 11:35:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	10		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	5350		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.7	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	3.3	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	600		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.22	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	2700		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	2.8	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	1580		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16700		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.47	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	6.0	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD048-SW01-LF** ***Collected:*** **6/3/2017 11:20:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	92.0	J	50.0	LOD	200	LOQ	ug/L	J	RI, StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	9.8		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	5480		200	LOD	400	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP76 **Laboratory: LLL**

EDD Filename: APP76-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD048-SW01-LF** ***Collected:*** **6/3/2017 11:20:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	2.1	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	2.2	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	480		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.19	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3050		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	0.97	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	1450		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	17300		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.37	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	4.7	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD049-SW01-LF** ***Collected:*** **6/3/2017 11:00:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	142	J	50.0	LOD	200	LOQ	ug/L	J	RI, StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	11.6		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	5010		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	2.3	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	532		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.25	U	0.25	LOD	2.0	LOQ	ug/L	UJ	StoE
MAGNESIUM	2900		25.0	LOD	200	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP76 **Laboratory: LLL**

EDD Filename: APP76-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD049-SW01-LF** ***Collected:*** **6/3/2017 11:00:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MANGANESE	2.3	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	1330		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	17000		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.45	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	4.2	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD050-SW01-LF** ***Collected:*** **6/3/2017 10:30:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	146	J	50.0	LOD	200	LOQ	ug/L	J	RI, StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	13.2		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	5220		200	LOD	400	LOQ	ug/L	J	Ms, StoE
CHROMIUM	1.4	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	2.3	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	542		100	LOD	200	LOQ	ug/L	J	Ms, StoE
LEAD	0.21	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3210		25.0	LOD	200	LOQ	ug/L	J	Ms, StoE
MANGANESE	2.3	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	1400		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	18600		100	LOD	400	LOQ	ug/L	J	Ms, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP76 **Laboratory: LLL**

EDD Filename: APP76-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD050-SW01-LF** ***Collected:*** **6/3/2017 10:30:00 AM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.53	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl, Ld, StoE
ZINC	7.7	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl, Ld, StoE

Sample ID: **CH-SWSD113-SW01-LF** ***Collected:*** **6/3/2017 1:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	0.87	J	2.0	LOD	4.0	LOQ	ug/L	J	Rl, StoE
BARIUM	23.9		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.20	J	0.25	LOD	1.0	LOQ	ug/L	J	Rl, StoE
CALCIUM	5520		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	3.7	J	2.0	LOD	4.0	LOQ	ug/L	R	Rl, StoE, ProfJudg
COBALT	0.22	J	0.50	LOD	1.0	LOQ	ug/L	J	Rl, StoE
COPPER	7.6		1.0	LOD	4.0	LOQ	ug/L	J	StoE
IRON	1360		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	1.2	J	0.25	LOD	2.0	LOQ	ug/L	J	Rl, StoE
MAGNESIUM	3160		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	7.3		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	3.9	J	2.0	LOD	4.0	LOQ	ug/L	R	Rl, StoE, ProfJudg
POTASSIUM	1220		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16000		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.6		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	29.7	J	7.5	LOD	30.0	LOQ	ug/L	J	Rl, StoE

Sample ID: **CH-SWSD113-SW01-LF** ***Collected:*** **6/3/2017 1:00:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	939		50.0	LOD	200	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP76 **Laboratory: LLL**

EDD Filename: APP76-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD113-SW01-LF** ***Collected:*** **6/3/2017 1:00:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.21	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD114-SW01-F-LF** ***Collected:*** **6/3/2017 12:20:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	802		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	23.7		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.21	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CALCIUM	5400		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	3.3	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	1.6		0.50	LOD	1.0	LOQ	ug/L	J	StoE
COPPER	7.1		1.0	LOD	4.0	LOQ	ug/L	J	StoE
IRON	1410		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	1.6	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3270		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	112		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	3.8	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
POTASSIUM	1190		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16300		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
ZINC	28.0	J	7.5	LOD	30.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD114-SW01-F-LF** ***Collected:*** **6/3/2017 12:20:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.20	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
VANADIUM	1.9		0.50	LOD	1.0	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP76 **Laboratory: LLL**

EDD Filename: APP76-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD114-SW01-LF** ***Collected:*** **6/3/2017 12:20:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	863		50.0	LOD	200	LOQ	ug/L	J	StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	0.78	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
BARIUM	23.6		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.19	J	0.25	LOD	1.0	LOQ	ug/L	J	RI, StoE
CALCIUM	5120		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	4.1		2.0	LOD	4.0	LOQ	ug/L	R	StoE, ProfJudg
COBALT	0.25	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	7.9		1.0	LOD	4.0	LOQ	ug/L	J	StoE
IRON	1450		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.87	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	3170		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	5.0		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	3.8	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
POTASSIUM	1260		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	16500		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.6		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	33.2		7.5	LOD	30.0	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD114-SW01-LF** ***Collected:*** **6/3/2017 12:20:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.19	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE

Sample ID: **CH-SWSD116-SW01-F-LF** ***Collected:*** **6/3/2017 2:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	120	J	50.0	LOD	200	LOQ	ug/L	J	RI, StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP76 **Laboratory: LLL**

EDD Filename: APP76-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD116-SW01-F-LF** ***Collected:*** **6/3/2017 2:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.89	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
BARIUM	17.2		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	12900		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	1.3	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	1.2		0.50	LOD	1.0	LOQ	ug/L	J	StoE
COPPER	1.7	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	10200		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.34	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	6300		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	847		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	1.2	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
POTASSIUM	1260		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	14600		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.6		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	6.8	J	7.5	LOD	30.0	LOQ	ug/L	R	RI, StoE, ProfJudg

Sample ID: **CH-SWSD116-SW01-LF** ***Collected:*** **6/3/2017 2:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	81.2	J	50.0	LOD	200	LOQ	ug/L	J	RI, StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	0.74	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
BARIUM	13.4		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	13100		200	LOD	400	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP76 **Laboratory: LLL**

EDD Filename: APP76-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD116-SW01-LF** ***Collected:*** **6/3/2017 2:45:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	0.98	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	1.8		0.50	LOD	1.0	LOQ	ug/L	J	StoE
COPPER	1.1	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	7540		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.30	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	6810		25.0	LOD	200	LOQ	ug/L	J	StoE
NICKEL	1.2	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
POTASSIUM	1290		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	15700		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.74	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	7.5	U	7.5	LOD	30.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD116-SW01-LF** ***Collected:*** **6/3/2017 2:45:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MANGANESE	954		2.0	LOD	4.0	LOQ	ug/L	J	StoE

Sample ID: **CH-SWSD117-SW01-F-LF** ***Collected:*** **6/3/2017 2:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	175	J	50.0	LOD	200	LOQ	ug/L	J	RI, StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	11.6		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	8840		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	1.1	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.21	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
COPPER	2.2	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP76 **Laboratory: LLL**

EDD Filename: APP76-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD117-SW01-F-LF** ***Collected:*** **6/3/2017 2:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
IRON	2640		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.36	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	5250		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	512		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	1160		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	14700		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	1.1		0.50	LOD	1.0	LOQ	ug/L	J	StoE
ZINC	4.2	J	7.5	LOD	30.0	LOQ	ug/L	R	RI, StoE, ProfJudg

Sample ID: **CH-SWSD117-SW01-F-LF** ***Collected:*** **6/3/2017 2:00:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD117-SW01-LF** ***Collected:*** **6/3/2017 2:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	105	J	50.0	LOD	200	LOQ	ug/L	J	RI, StoE
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	6.6		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	7460		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	1.6	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	1.9	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	1270		100	LOD	200	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP76 **Laboratory: LLL**

EDD Filename: APP76-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD117-SW01-LF** ***Collected:*** **6/3/2017 2:00:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
LEAD	0.12	J	0.25	LOD	2.0	LOQ	ug/L	J	RI, StoE
MAGNESIUM	4590		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	2.2	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	968		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	13000		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
ZINC	7.5	U	7.5	LOD	30.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD118-SW01-F-LF** ***Collected:*** **6/3/2017 1:55:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	70.9	J	50.0	LOD	200	LOQ	ug/L	J	RI, StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	10.6		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	6550		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	2.5	J	2.0	LOD	4.0	LOQ	ug/L	R	RI, StoE, ProfJudg
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	1.8	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	215		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.27	J	0.25	LOD	2.0	LOQ	ug/L	R	RI, StoE, ProfJudg
MAGNESIUM	3070		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	44.8		2.0	LOD	4.0	LOQ	ug/L	J	StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	804		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP76 **Laboratory: LLL**

EDD Filename: APP76-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD118-SW01-F-LF** ***Collected:*** **6/3/2017 1:55:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	14300		100	LOD	400	LOQ	ug/L	J	StoE
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.27	J	0.50	LOD	1.0	LOQ	ug/L	J	RI, StoE
ZINC	7.5	U	7.5	LOD	30.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD118-SW01-F-LF** ***Collected:*** **6/3/2017 1:55:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD118-SW01-LF** ***Collected:*** **6/3/2017 1:55:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	82.3	J	50.0	LOD	200	LOQ	ug/L	J	RI, StoE
ARSENIC	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
BARIUM	9.0		2.0	LOD	4.0	LOQ	ug/L	J	StoE
BERYLLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
CADMIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
CALCIUM	6780		200	LOD	400	LOQ	ug/L	J	StoE
CHROMIUM	1.1	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
COBALT	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
COPPER	1.5	J	1.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
IRON	326		100	LOD	200	LOQ	ug/L	J	StoE
LEAD	0.25	U	0.25	LOD	2.0	LOQ	ug/L	UJ	StoE
MAGNESIUM	3240		25.0	LOD	200	LOQ	ug/L	J	StoE
MANGANESE	2.9	J	2.0	LOD	4.0	LOQ	ug/L	J	RI, StoE
NICKEL	2.0	U	2.0	LOD	4.0	LOQ	ug/L	UJ	StoE
POTASSIUM	853		200	LOD	400	LOQ	ug/L	J	StoE
SELENIUM	1.0	U	1.0	LOD	4.0	LOQ	ug/L	UJ	StoE
SILVER	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
SODIUM	14600		100	LOD	400	LOQ	ug/L	J	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP76 **Laboratory: LLL**

EDD Filename: APP76-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method Category: **METALS**

Method: **6020A** ***Matrix:*** **WATER**

Sample ID: **CH-SWSD118-SW01-LF** ***Collected:*** **6/3/2017 1:55:00 PM** ***Analysis Type:*** **Initial/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.25	U	0.25	LOD	1.0	LOQ	ug/L	UJ	StoE
VANADIUM	0.50	U	0.50	LOD	1.0	LOQ	ug/L	UJ	StoE
ZINC	7.5	U	7.5	LOD	30.0	LOQ	ug/L	UJ	StoE

Sample ID: **CH-SWSD118-SW01-LF** ***Collected:*** **6/3/2017 1:55:00 PM** ***Analysis Type:*** **Reanalysis-01/DIS** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	1.0	U	1.0	LOD	2.0	LOQ	ug/L	UJ	StoE

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP76 **Laboratory: LLL**

EDD Filename: APP76-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Reason Code Legend

Reason Code	*Description*
Ld	Laboratory Duplicate Precision
Mb	Method Blank Contamination
Ms	Matrix Spike Lower Estimation
ProfJudg	Professional Judgment
RI	Reporting Limit Trace Value
StoE	Sampling to Extraction Estimation

* denotes a non-reportable result

Project Name and Number: Camp Hero - Camp Hero

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP76 **Laboratory: LLL**

EDD Filename: APP76-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: **6020A**
Matrix: **WATER**

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
CH-SWSD050-SW01-LFMS (Dissolved) CH-SWSD050-SW01-LFMSD (Dissolved) (CH-SWSD050-SW01-LF)	CALCIUM IRON MAGNESIUM SODIUM	- 85 76 68	86 - 79 74	87.00-118.00 87.00-118.00 83.00-118.00 85.00-117.00	- - - -	CALCIUM IRON MAGNESIUM SODIUM	J- (all detects) UJ (all non-detects)

Project Name and Number: Camp Hero - Camp Hero

Lab Duplicate Outlier Report

Lab Reporting Batch ID: APP76 **Laboratory: LLL**

EDD Filename: APP76-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: 6020A
Matrix: WATER

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
CH-SWSD050-SW01-LFDUP (Dissolved) (CH-SWSD050-SW01-LF)	VANADIUM ZINC	21 43	20.00 20.00	J (all detects) UJ (all non-detects)

Project Name and Number: Camp Hero - Camp Hero

Reporting Limit Outliers

Lab Reporting Batch ID: APP76 **Laboratory: LLL**

EDD Filename: APP76-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: **6020A**

Matrix: **WATER**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD046-SW01-LF	ALUMINUM	J	40.7	200	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.4	4.0	LOQ	ug/L	
	COPPER	J	1.9	4.0	LOQ	ug/L	
	IRON	J	179	200	LOQ	ug/L	
	LEAD	J	0.21	2.0	LOQ	ug/L	
	VANADIUM	J	0.34	1.0	LOQ	ug/L	
CH-SWSD047-SW01-LF	ALUMINUM	J	165	200	LOQ	ug/L	J (all detects)
	CHROMIUM	J	2.7	4.0	LOQ	ug/L	
	COPPER	J	3.3	4.0	LOQ	ug/L	
	LEAD	J	0.22	2.0	LOQ	ug/L	
	MANGANESE	J	2.8	4.0	LOQ	ug/L	
	VANADIUM	J	0.47	1.0	LOQ	ug/L	
	ZINC	J	6.0	30.0	LOQ	ug/L	
CH-SWSD048-SW01-LF	ALUMINUM	J	92.0	200	LOQ	ug/L	J (all detects)
	CHROMIUM	J	2.1	4.0	LOQ	ug/L	
	COPPER	J	2.2	4.0	LOQ	ug/L	
	LEAD	J	0.19	2.0	LOQ	ug/L	
	MANGANESE	J	0.97	4.0	LOQ	ug/L	
	VANADIUM	J	0.37	1.0	LOQ	ug/L	
	ZINC	J	4.7	30.0	LOQ	ug/L	
CH-SWSD049-SW01-LF	ALUMINUM	J	142	200	LOQ	ug/L	J (all detects)
	CHROMIUM	J	2.1	4.0	LOQ	ug/L	
	COPPER	J	2.3	4.0	LOQ	ug/L	
	MANGANESE	J	2.3	4.0	LOQ	ug/L	
	VANADIUM	J	0.45	1.0	LOQ	ug/L	
	ZINC	J	4.2	30.0	LOQ	ug/L	
CH-SWSD050-SW01-LF	ALUMINUM	J	146	200	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.4	4.0	LOQ	ug/L	
	COPPER	J	2.3	4.0	LOQ	ug/L	
	LEAD	J	0.21	2.0	LOQ	ug/L	
	MANGANESE	J	2.3	4.0	LOQ	ug/L	
	VANADIUM	J	0.53	1.0	LOQ	ug/L	
	ZINC	J	7.7	30.0	LOQ	ug/L	
CH-SWSD113-SW01-LF	ARSENIC	J	0.87	4.0	LOQ	ug/L	J (all detects)
	BERYLLIUM	J	0.20	1.0	LOQ	ug/L	
	CADMIUM	J	0.21	1.0	LOQ	ug/L	
	CHROMIUM	J	3.7	4.0	LOQ	ug/L	
	COBALT	J	0.22	1.0	LOQ	ug/L	
	LEAD	J	1.2	2.0	LOQ	ug/L	
	NICKEL	J	3.9	4.0	LOQ	ug/L	
	ZINC	J	29.7	30.0	LOQ	ug/L	
CH-SWSD114-SW01-F-LF	BERYLLIUM	J	0.21	1.0	LOQ	ug/L	J (all detects)
	CADMIUM	J	0.20	1.0	LOQ	ug/L	
	CHROMIUM	J	3.3	4.0	LOQ	ug/L	
	LEAD	J	1.6	2.0	LOQ	ug/L	
	NICKEL	J	3.8	4.0	LOQ	ug/L	
	ZINC	J	28.0	30.0	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: APP76 **Laboratory: LLL**

EDD Filename: APP76-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: **6020A**

Matrix: **WATER**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
CH-SWSD114-SW01-LF	ARSENIC	J	0.78	4.0	LOQ	ug/L	J (all detects)
	BERYLLIUM	J	0.19	1.0	LOQ	ug/L	
	CADMIUM	J	0.19	1.0	LOQ	ug/L	
	COBALT	J	0.25	1.0	LOQ	ug/L	
	LEAD	J	0.87	2.0	LOQ	ug/L	
	NICKEL	J	3.8	4.0	LOQ	ug/L	
CH-SWSD116-SW01-F-LF	ALUMINUM	J	120	200	LOQ	ug/L	J (all detects)
	ARSENIC	J	0.89	4.0	LOQ	ug/L	
	CHROMIUM	J	1.3	4.0	LOQ	ug/L	
	COPPER	J	1.7	4.0	LOQ	ug/L	
	LEAD	J	0.34	2.0	LOQ	ug/L	
	NICKEL	J	1.2	4.0	LOQ	ug/L	
	ZINC	J	6.8	30.0	LOQ	ug/L	
CH-SWSD116-SW01-LF	ALUMINUM	J	81.2	200	LOQ	ug/L	J (all detects)
	ARSENIC	J	0.74	4.0	LOQ	ug/L	
	CHROMIUM	J	0.98	4.0	LOQ	ug/L	
	COPPER	J	1.1	4.0	LOQ	ug/L	
	LEAD	J	0.30	2.0	LOQ	ug/L	
	NICKEL	J	1.2	4.0	LOQ	ug/L	
	VANADIUM	J	0.74	1.0	LOQ	ug/L	
CH-SWSD117-SW01-F-LF	ALUMINUM	J	175	200	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.1	4.0	LOQ	ug/L	
	COBALT	J	0.21	1.0	LOQ	ug/L	
	COPPER	J	2.2	4.0	LOQ	ug/L	
	LEAD	J	0.36	2.0	LOQ	ug/L	
	ZINC	J	4.2	30.0	LOQ	ug/L	
CH-SWSD117-SW01-LF	ALUMINUM	J	105	200	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.6	4.0	LOQ	ug/L	
	COPPER	J	1.9	4.0	LOQ	ug/L	
	LEAD	J	0.12	2.0	LOQ	ug/L	
	MANGANESE	J	2.2	4.0	LOQ	ug/L	
CH-SWSD118-SW01-F-LF	ALUMINUM	J	70.9	200	LOQ	ug/L	J (all detects)
	CHROMIUM	J	2.5	4.0	LOQ	ug/L	
	COPPER	J	1.8	4.0	LOQ	ug/L	
	LEAD	J	0.27	2.0	LOQ	ug/L	
	VANADIUM	J	0.27	1.0	LOQ	ug/L	
CH-SWSD118-SW01-LF	ALUMINUM	J	82.3	200	LOQ	ug/L	J (all detects)
	CHROMIUM	J	1.1	4.0	LOQ	ug/L	
	COPPER	J	1.5	4.0	LOQ	ug/L	
	MANGANESE	J	2.9	4.0	LOQ	ug/L	

Method Blank Outlier Report

Lab Reporting Batch ID: APP76 **Laboratory: LLL**

EDD Filename: APP76-A_2a_1 **eQAPP Name: CAMP_HERO_NP_PIII_METALS**

Method: **6020A**
Matrix: **WATER**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P27263BB272063902	10/5/2017 3:33:00 PM	MANGANESE SODIUM	1.4 ug/L 58.2 ug/L	CH-SWSD116-SW01-LF

Site/Project Name:	Remedial Investigation, at Former Camp Hero State Park, Montauk, New York.	Page	1
Laboratory:	Eurofins Laboratories, Inc. – Lancaster, PA.		
Laboratory SDG:	APP77		
Date(s) of Collection:	June 15th, 2017		
Number/Type Samples & Analyses:	16 soil samples and 2 field duplicates for a project-specific list of metals (re-analysis of APP34 metals)		
Data Reviewer:	Devon Chicoine AECOM/Arlington, VA		
Completed:	December 7th, 2017		

SUMMARY

AECOM conducted a reduced-level data validation on the ADR output for soil data included in Sample Delivery Group (SDG) APP77. This reduced-level data validation verified appropriate application of DV qualifications and reviewed laboratory narrative issues to interpret potential data usability for exceedances noted by the ADR and to identify potential issues not included in the ADR, Data quality requirements can be found in the Final *2017 Sampling and Analysis Plan, Remedial Investigation at Former Camp Hero, Montauk, New York*, prepared by AECOM in June, 2017.

REVIEW ELEMENTS

This reduced-level data validation report included an evaluation of the project-specific DQOs in terms of data accuracy, precision, sensitivity, representativeness, and completeness. The validation procedures employed consisted of the following:

Review of ADR output for the following QC parameters:

✓ Holding times and sample preservation

✓ Laboratory method blank data

NA Field rinsate blank data

NA Trip blank data

✓ Laboratory control sample (LCS) recoveries

✗ Matrix spike (MS) and/or matrix spike duplicate (MSD) results

✓ Surrogate recoveries

✗ Laboratory duplicate results

✗ Field duplicate results

✓ Quantitation limits and sample results

The following additional reviews were conducted on the hardcopy data package:

✓ Review of COC documents to verify sample identities

✓ Review of laboratory narrative or sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.

✓ Spot-check of "J" data, reported below the RL, as reported in the ADR.

✓ General reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. The symbol (✗) indicates that data were qualified on the basis of this parameter.

FINDINGS

The following table defines the data qualifiers assigned by ADR.

For the soil sample (DU04-S011-00-01), both the total chromium and hexavalent chromium results appear to be valid and verified by the lab. The calculated trivalent chromium result for the sample is nondetect at the hexavalent chromium limits.

Due to the Eurofins SW6020A metals data breach, the original metals results under APP34 were rejected for very low level check standards. The 16 soil samples and 2 field duplicates were re-digested and analyzed.

Antimony was detected in the initial calibration blank and in the interferent check solution ICSA. Two antimony results below the limit of detection were qualified as J+.

Qualifier	Explanation
J	The analyte was positively identified; the associated numerical value is an estimated quantity with an unknown bias.
J+	The result is an estimated quantity, but the result may be biased high.

Attachment A presents a summary of qualified data. Based on review of the ADR output and laboratory narrative, all DQOs were met with any exceptions appropriately qualified by ADR and ADR Discrepancy reports.

Attachment B and Table B-1 present summaries of the SW6020A instrument calibration review.

ATTACHMENTS

Attachment A: Data Qualifier Summary and ADR Discrepancy Reports

Attachment B: SW6020A Instrument Calibration Review Summary

Data Review Summary

Lab Reporting Batch ID: APP77 **Laboratory: LLL**

EDD Filename: APP77-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Validation Area	*Note*
Technical Holding Times	A
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	SR
Surrogate/Tracer Spikes	N
Matrix Spike/Matrix Spike Duplicates	SR
Laboratory Duplicates	SR
Laboratory Replicates	N
Laboratory Control Samples	A
Compound Quantitation	SR
Field Duplicates	A
Field Triplicates	N
Field Blanks	A

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Data Qualifier Summary

Lab Reporting Batch ID: APP77 **Laboratory: LLL**

EDD Filename: APP77-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU04-S001-00-01 **Collected:** 6/15/2017 12:30:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CADMIUM	0.0401	J	0.101	LOD	0.201	LOQ	mg/kg	J	RI
SELENIUM	0.254	J	0.201	LOD	0.806	LOQ	mg/kg	J	RI
THALLIUM	0.0699	J	0.0504	LOD	0.201	LOQ	mg/kg	J	RI
SODIUM	42.6	J	20.1	LOD	80.6	LOQ	mg/kg	J	RI

Sample ID: DU04-S002-00-01 **Collected:** 6/15/2017 12:40:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.282	J	0.201	LOD	0.802	LOQ	mg/kg	J	RI
SODIUM	40.1	J	20.1	LOD	80.2	LOQ	mg/kg	J	RI
THALLIUM	0.0936	J	0.0501	LOD	0.201	LOQ	mg/kg	J	RI

Sample ID: DU04-S003-00-01 **Collected:** 6/15/2017 12:50:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.110	J	0.0196	LOD	0.157	LOQ	mg/kg	J	RI
SELENIUM	0.0795	J	0.157	LOD	0.629	LOQ	mg/kg	J	RI
THALLIUM	0.0283	J	0.0393	LOD	0.157	LOQ	mg/kg	J	RI

Sample ID: DU04-S003-00-01 **Collected:** 6/15/2017 12:50:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	26.9	J	15.7	LOD	62.9	LOQ	mg/kg	J	RI

Sample ID: DU04-S003-00-01D **Collected:** 6/15/2017 12:50:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.136	J	0.0234	LOD	0.187	LOQ	mg/kg	J	RI
SELENIUM	0.0986	J	0.187	LOD	0.750	LOQ	mg/kg	J	RI
THALLIUM	0.0367	J	0.0469	LOD	0.187	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP77 **Laboratory: LLL**

EDD Filename: APP77-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU04-S003-00-01D **Collected:** 6/15/2017 12:50:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	32.9	J	18.7	LOD	75.0	LOQ	mg/kg	J	RI

Sample ID: DU04-S004-00-01 **Collected:** 6/15/2017 1:00:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.298	J	0.208	LOD	0.831	LOQ	mg/kg	J	RI
THALLIUM	0.0991	J	0.0519	LOD	0.208	LOQ	mg/kg	J	RI

Sample ID: DU04-S004-00-01 **Collected:** 6/15/2017 1:00:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	46.7	J	20.8	LOD	83.1	LOQ	mg/kg	J	RI

Sample ID: DU04-S005-00-01 **Collected:** 6/15/2017 1:10:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.253	J	0.177	LOD	0.707	LOQ	mg/kg	J	RI
THALLIUM	0.0555	J	0.0442	LOD	0.177	LOQ	mg/kg	J	RI

Sample ID: DU04-S005-00-01 **Collected:** 6/15/2017 1:10:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	42.3	J	17.7	LOD	70.7	LOQ	mg/kg	J	RI

Sample ID: DU04-S006-00-01 **Collected:** 6/15/2017 1:20:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.119	J	0.0224	LOD	0.179	LOQ	mg/kg	J	RI
SELENIUM	0.0955	J	0.179	LOD	0.717	LOQ	mg/kg	J	RI
THALLIUM	0.0244	J	0.0448	LOD	0.179	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP77 **Laboratory: LLL**

EDD Filename: APP77-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU04-S006-00-01 **Collected:** 6/15/2017 1:20:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	28.2	J	17.9	LOD	71.7	LOQ	mg/kg	J	RI

Sample ID: DU04-S007-00-01 **Collected:** 6/15/2017 1:30:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.101	J	0.0213	LOD	0.170	LOQ	mg/kg	J	RI
SELENIUM	0.100	J	0.170	LOD	0.680	LOQ	mg/kg	J	RI
THALLIUM	0.0235	J	0.0425	LOD	0.170	LOQ	mg/kg	J	RI

Sample ID: DU04-S007-00-01 **Collected:** 6/15/2017 1:30:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	27.6	J	17.0	LOD	68.0	LOQ	mg/kg	J	RI

Sample ID: DU04-S008-00-01 **Collected:** 6/15/2017 1:40:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.326	J	0.278	LOD	1.11	LOQ	mg/kg	J	RI
THALLIUM	0.0955	J	0.0694	LOD	0.278	LOQ	mg/kg	J	RI

Sample ID: DU04-S008-00-01 **Collected:** 6/15/2017 1:40:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	62.5	J	27.8	LOD	111	LOQ	mg/kg	J	RI

Sample ID: DU04-S008-00-01D **Collected:** 6/15/2017 1:40:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.309	J	0.205	LOD	0.818	LOQ	mg/kg	J	RI
THALLIUM	0.0804	J	0.0511	LOD	0.205	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP77 **Laboratory: LLL**

EDD Filename: APP77-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix: SOIL**

Sample ID: DU04-S008-00-01D **Collected:** 6/15/2017 1:40:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	48.0	J	20.5	LOD	81.8	LOQ	mg/kg	J	RI

Sample ID: DU04-S009-00-01 **Collected:** 6/15/2017 1:50:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.118	J	0.193	LOD	0.772	LOQ	mg/kg	J	RI
THALLIUM	0.0463	J	0.0482	LOD	0.193	LOQ	mg/kg	J	RI

Sample ID: DU04-S009-00-01 **Collected:** 6/15/2017 1:50:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	44.1	J	19.3	LOD	77.2	LOQ	mg/kg	J	RI

Sample ID: DU04-S010-00-01 **Collected:** 6/15/2017 2:00:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.124	J	0.0241	LOD	0.193	LOQ	mg/kg	J	RI
CADMIUM	0.0402	J	0.0966	LOD	0.193	LOQ	mg/kg	J	RI
SELENIUM	0.131	J	0.193	LOD	0.772	LOQ	mg/kg	J	RI
THALLIUM	0.0388	J	0.0483	LOD	0.193	LOQ	mg/kg	J	RI

Sample ID: DU04-S010-00-01 **Collected:** 6/15/2017 2:00:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	30.7	J	19.3	LOD	77.2	LOQ	mg/kg	J	RI

Sample ID: DU04-S011-00-01 **Collected:** 6/15/2017 2:10:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.140	J	0.158	LOD	0.315	LOQ	mg/kg	J	RI, ProfJudg
CADMIUM	0.0380	J	0.0788	LOD	0.158	LOQ	mg/kg	J	RI
SELENIUM	0.299	J	0.158	LOD	0.630	LOQ	mg/kg	J	RI
THALLIUM	0.0657	J	0.0394	LOD	0.158	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP77 **Laboratory: LLL**

EDD Filename: APP77-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU04-S011-00-01 **Collected:** 6/15/2017 2:10:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	42.8	J	15.8	LOD	63.0	LOQ	mg/kg	J	RI

Sample ID: DU04-S012-00-01 **Collected:** 6/15/2017 2:20:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.218	J	0.196	LOD	0.393	LOQ	mg/kg	J	RI
SELENIUM	0.199	J	0.196	LOD	0.786	LOQ	mg/kg	J	RI
THALLIUM	0.0666	J	0.0491	LOD	0.196	LOQ	mg/kg	J	RI

Sample ID: DU04-S012-00-01 **Collected:** 6/15/2017 2:20:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	58.0	J	19.6	LOD	78.6	LOQ	mg/kg	J	RI

Sample ID: DU04-S013-00-01 **Collected:** 6/15/2017 2:30:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.127	J	0.187	LOD	0.747	LOQ	mg/kg	J	RI
THALLIUM	0.0407	J	0.0467	LOD	0.187	LOQ	mg/kg	J	RI

Sample ID: DU04-S014-00-01 **Collected:** 6/15/2017 2:40:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.224	J	0.205	LOD	0.820	LOQ	mg/kg	J	RI
THALLIUM	0.0834	J	0.0512	LOD	0.205	LOQ	mg/kg	J	RI

Sample ID: DU04-S014-00-01 **Collected:** 6/15/2017 2:40:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	37.4	J	20.5	LOD	82.0	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP77 **Laboratory: LLL**

EDD Filename: APP77-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method Category: METALS

Method: 6020A **Matrix:** SOIL

Sample ID: DU04-S015-00-01 **Collected:** 6/15/2017 2:50:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.115	J	0.207	LOD	0.414	LOQ	mg/kg	J	Rl, ProfJudg
CADMIUM	0.0463	J	0.103	LOD	0.207	LOQ	mg/kg	J	Rl
SELENIUM	0.296	J	0.207	LOD	0.827	LOQ	mg/kg	J	Rl
THALLIUM	0.0873	J	0.0517	LOD	0.207	LOQ	mg/kg	J	Rl

Sample ID: DU04-S015-00-01 **Collected:** 6/15/2017 2:50:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	47.6	J	20.7	LOD	82.7	LOQ	mg/kg	J	Rl

Sample ID: DU04-S016-00-01 **Collected:** 6/15/2017 3:00:00 PM **Analysis Type:** Initial **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	4590		9.78	LOD	39.1	LOQ	mg/kg	J+	Ms
ANTIMONY	0.208	J	0.196	LOD	0.391	LOQ	mg/kg	J	Rl, Ms, Ld
CALCIUM	826		39.1	LOD	78.2	LOQ	mg/kg	J+	Ms
IRON	6140		19.6	LOD	39.1	LOQ	mg/kg	J+	Ms
MANGANESE	103		0.196	LOD	0.782	LOQ	mg/kg	J	Ms, Ms
SELENIUM	0.155	J	0.196	LOD	0.782	LOQ	mg/kg	J	Rl
SODIUM	38.9	J	19.6	LOD	78.2	LOQ	mg/kg	J	Rl
THALLIUM	0.0477	J	0.0489	LOD	0.196	LOQ	mg/kg	J	Rl
ZINC	15.5		2.93	LOD	5.87	LOQ	mg/kg	J+	Ms

Sample ID: DU04-S016-00-01 **Collected:** 6/15/2017 3:00:00 PM **Analysis Type:** Reanalysis-01 **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	16.4		0.391	LOD	0.782	LOQ	mg/kg	J+	Ms

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Data Qualifier Summary

Lab Reporting Batch ID: APP77 **Laboratory: LLL**

EDD Filename: APP77-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Reason Code Legend

Reason Code	*Description*
Ld	Laboratory Duplicate Precision
Mb	Method Blank Contamination
Ms	Matrix Spike Lower Estimation
Ms	Matrix Spike Upper Estimation
ProfJudg	Professional Judgment
RI	Reporting Limit Trace Value

* denotes a non-reportable result

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: APP77 **Laboratory: LLL**

EDD Filename: APP77-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**
Matrix: **SOIL**

QC Sample ID (Associated Samples)	*Compound*	*MS %R*	*MSD %R*	*%R Limits*	*RPD (Limits)*	*Affected Compounds*	*Flag*
DU04-S016-00-01MS (Wet) DU04-S016-00-01MSD (Wet) (DU04-S016-00-01)	MANGANESE	65	194	85.00-116.00	-	MANGANESE	J (all detects) UJ (all non-detects)
DU04-S016-00-01MS (Wet) DU04-S016-00-01MSD (Wet) (DU04-S016-00-01)	ANTIMONY	68	67	72.00-124.00	-	ANTIMONY	J-(all detects) UJ(all non-detects)
DU04-S016-00-01MS (Wet) DU04-S016-00-01MSD (Wet) (DU04-S016-00-01)	ALUMINUM BARIUM CALCIUM IRON ZINC	310 - - 230 192	320 130 124 213 193	78.00-124.00 86.00-116.00 86.00-118.00 81.00-124.00 82.00-119.00	- - - - -	ALUMINUM BARIUM CALCIUM IRON ZINC	J+(all detects)

Lab Duplicate Outlier Report

Lab Reporting Batch ID: APP77 **Laboratory: LLL**

EDD Filename: APP77-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SOIL

QC Sample ID (Associated Sample ID)	Analyte	Sample RPD	eQAPP RPD	Flag
DU04-S016-00-01DUP (Wet) (DU04-S016-00-01)	ANTIMONY	129	20.00	J (all detects) UJ (all non-detects)

Project Name and Number: Camp Hero - USACE Project: Camp Hero

Field Duplicate RPD Report

Lab Reporting Batch ID: APP77 **Laboratory: LLL**

EDD Filename: APP77-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A
Matrix: SOIL

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU04-S008-00-01 (Dry)	DU04-S008-00-01D (Dry)			
ALUMINUM	7850	7310	7	30.00	
ARSENIC	2.95	2.64	11	30.00	
BARIUM	19.2	17.7	8	30.00	
BERYLLIUM	0.323	0.315	3	30.00	
CALCIUM	594	444	29	30.00	
CHROMIUM	10.3	10.0	3	30.00	
COBALT	3.32	3.00	10	30.00	
COPPER	4.99	4.70	6	30.00	
IRON	10600	9660	9	30.00	
LEAD	7.13	5.28	30	30.00	No Qualifiers Applied
MAGNESIUM	1540	1460	5	30.00	
MANGANESE	110	89.8	20	30.00	
NICKEL	6.21	5.48	12	30.00	
POTASSIUM	724	673	7	30.00	
SELENIUM	0.326	0.309	5	30.00	
SODIUM	62.5	48.0	26	30.00	
THALLIUM	0.0955	0.0804	17	30.00	
VANADIUM	17.8	15.9	11	30.00	
ZINC	18.7	16.8	11	30.00	

Analyte	Concentration (mg/kg)		Sample RPD	eQAPP RPD	Flag
	DU04-S003-00-01 (Dry)	DU04-S003-00-01D (Dry)			
ALUMINUM	2180	2780	24	30.00	
ARSENIC	0.814	0.959	16	30.00	
BARIUM	6.98	7.55	8	30.00	
BERYLLIUM	0.110	0.136	21	30.00	
CALCIUM	189	190	1	30.00	
CHROMIUM	3.29	3.99	19	30.00	
COBALT	1.68	1.69	1	30.00	
COPPER	1.86	2.18	16	30.00	
IRON	3270	3970	19	30.00	
LEAD	1.96	2.14	9	30.00	No Qualifiers Applied
MAGNESIUM	390	490	23	30.00	
MANGANESE	43.2	44.9	4	30.00	
NICKEL	1.95	2.14	9	30.00	
POTASSIUM	244	280	14	30.00	
SELENIUM	0.0795	0.0986	21	30.00	
SODIUM	26.9	32.9	20	30.00	
THALLIUM	0.0283	0.0367	26	30.00	
VANADIUM	5.34	6.39	18	30.00	
ZINC	5.84	6.83	16	30.00	

Reporting Limit Outliers

Lab Reporting Batch ID: APP77 **Laboratory: LLL**

EDD Filename: APP77-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: 6020A

Matrix: SOIL

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DU04-S001-00-01	CADMIUM	J	0.0401	0.201	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.254	0.806	LOQ	mg/kg	
	SODIUM	J	42.6	80.6	LOQ	mg/kg	
	THALLIUM	J	0.0699	0.201	LOQ	mg/kg	
DU04-S002-00-01	SELENIUM	J	0.282	0.802	LOQ	mg/kg	J (all detects)
	SODIUM	J	40.1	80.2	LOQ	mg/kg	
	THALLIUM	J	0.0936	0.201	LOQ	mg/kg	
DU04-S003-00-01	BERYLLIUM	J	0.110	0.157	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.0795	0.629	LOQ	mg/kg	
	SODIUM	J	26.9	62.9	LOQ	mg/kg	
	THALLIUM	J	0.0283	0.157	LOQ	mg/kg	
DU04-S003-00-01D	BERYLLIUM	J	0.136	0.187	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.0986	0.750	LOQ	mg/kg	
	SODIUM	J	32.9	75.0	LOQ	mg/kg	
	THALLIUM	J	0.0367	0.187	LOQ	mg/kg	
DU04-S004-00-01	SELENIUM	J	0.298	0.831	LOQ	mg/kg	J (all detects)
	SODIUM	J	46.7	83.1	LOQ	mg/kg	
	THALLIUM	J	0.0991	0.208	LOQ	mg/kg	
DU04-S005-00-01	SELENIUM	J	0.253	0.707	LOQ	mg/kg	J (all detects)
	SODIUM	J	42.3	70.7	LOQ	mg/kg	
	THALLIUM	J	0.0555	0.177	LOQ	mg/kg	
DU04-S006-00-01	BERYLLIUM	J	0.119	0.179	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.0955	0.717	LOQ	mg/kg	
	SODIUM	J	28.2	71.7	LOQ	mg/kg	
	THALLIUM	J	0.0244	0.179	LOQ	mg/kg	
DU04-S007-00-01	BERYLLIUM	J	0.101	0.170	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.100	0.680	LOQ	mg/kg	
	SODIUM	J	27.6	68.0	LOQ	mg/kg	
	THALLIUM	J	0.0235	0.170	LOQ	mg/kg	
DU04-S008-00-01	SELENIUM	J	0.326	1.11	LOQ	mg/kg	J (all detects)
	SODIUM	J	62.5	111	LOQ	mg/kg	
	THALLIUM	J	0.0955	0.278	LOQ	mg/kg	
DU04-S008-00-01D	SELENIUM	J	0.309	0.818	LOQ	mg/kg	J (all detects)
	SODIUM	J	48.0	81.8	LOQ	mg/kg	
	THALLIUM	J	0.0804	0.205	LOQ	mg/kg	
DU04-S009-00-01	SELENIUM	J	0.118	0.772	LOQ	mg/kg	J (all detects)
	SODIUM	J	44.1	77.2	LOQ	mg/kg	
	THALLIUM	J	0.0463	0.193	LOQ	mg/kg	
DU04-S010-00-01	BERYLLIUM	J	0.124	0.193	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.0402	0.193	LOQ	mg/kg	
	SELENIUM	J	0.131	0.772	LOQ	mg/kg	
	SODIUM	J	30.7	77.2	LOQ	mg/kg	
	THALLIUM	J	0.0388	0.193	LOQ	mg/kg	
DU04-S011-00-01	ANTIMONY	J	0.140	0.315	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.0380	0.158	LOQ	mg/kg	
	SELENIUM	J	0.299	0.630	LOQ	mg/kg	
	SODIUM	J	42.8	63.0	LOQ	mg/kg	
	THALLIUM	J	0.0657	0.158	LOQ	mg/kg	

Reporting Limit Outliers

Lab Reporting Batch ID: APP77 **Laboratory: LLL**

EDD Filename: APP77-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**

Matrix: **SOIL**

SampleID	*Analyte*	*Lab Qual*	*Result*	*Reporting Limit*	*RL Type*	*Units*	*Flag*
DU04-S012-00-01	ANTIMONY	J	0.218	0.393	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.199	0.786	LOQ	mg/kg	
	SODIUM	J	58.0	78.6	LOQ	mg/kg	
	THALLIUM	J	0.0666	0.196	LOQ	mg/kg	
DU04-S013-00-01	SELENIUM	J	0.127	0.747	LOQ	mg/kg	J (all detects)
	THALLIUM	J	0.0407	0.187	LOQ	mg/kg	
DU04-S014-00-01	SELENIUM	J	0.224	0.820	LOQ	mg/kg	J (all detects)
	SODIUM	J	37.4	82.0	LOQ	mg/kg	
	THALLIUM	J	0.0834	0.205	LOQ	mg/kg	
DU04-S015-00-01	ANTIMONY	J	0.115	0.414	LOQ	mg/kg	J (all detects)
	CADMIUM	J	0.0463	0.207	LOQ	mg/kg	
	SELENIUM	J	0.296	0.827	LOQ	mg/kg	
	SODIUM	J	47.6	82.7	LOQ	mg/kg	
	THALLIUM	J	0.0873	0.207	LOQ	mg/kg	
DU04-S016-00-01	ANTIMONY	J	0.208	0.391	LOQ	mg/kg	J (all detects)
	SELENIUM	J	0.155	0.782	LOQ	mg/kg	
	SODIUM	J	38.9	78.2	LOQ	mg/kg	
	THALLIUM	J	0.0477	0.196	LOQ	mg/kg	

Method Blank Outlier Report

Lab Reporting Batch ID: APP77 **Laboratory: LLL**

EDD Filename: APP77-B_2a_1_rev **eQAPP Name: CAMP_HERO_NP_PIII**

Method: **6020A**
Matrix: **SOIL**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
P33563BB335063702	12/4/2017 9:51:00 PM	IRON LEAD MANGANESE	16.0 mg/kg 0.0236 mg/kg 0.215 mg/kg	DU04-S001-00-01 DU04-S002-00-01 DU04-S003-00-01 DU04-S003-00-01D DU04-S004-00-01 DU04-S005-00-01 DU04-S006-00-01 DU04-S007-00-01 DU04-S008-00-01 DU04-S008-00-01D DU04-S009-00-01 DU04-S010-00-01 DU04-S011-00-01 DU04-S012-00-01 DU04-S013-00-01 DU04-S014-00-01 DU04-S015-00-01 DU04-S016-00-01

Lab report reviewed: APP 77 Reviewed by: Steve Szocik 12/11/2017

Solid Data Review Summary for Method SW-846 6020A

The laboratory re-digested and re-analyzed the samples reported in APP34 and submitted the new results as APP77. The attached table presents the quality control parameters evaluated.

The laboratory quantitated with a two point calibration utilizing a zero point and a high concentration standard. The majority of the quality control samples analyzed met the project acceptance criteria. There were a few detections in the instrument blanks and interference check standards, but overall the effects were minor and would result in qualification but do not affect the usability of the results.

Three different concentrations of analytical standards and the laboratory control sample (LCS) were evaluated. The initial calibration verification (ICV), continuing calibration verification (CCV), the low level check standard (LLC) and LCS are analyzed at varying concentrations along the calibrated instrument range. The ICVs, CCVs, and LLC do not go through the digestion process and serve as instrument verification without any contribution from the preparation procedure. The analysis of the LCS evaluates the variability of both the analytical and preparation processes. All of the LCS recoveries were within acceptance limits supporting acceptable accuracy for both preparation and analysis at the LCS spiked concentrations.

The ICVs and CCVs serve to measure the accuracy in the middle and the lower end of the calibrated range. The laboratory selected the ICV to be one half the concentrations of the high calibration standard and the CCV at one quarter of the upper calibration standard. All of the ICV and CCV percent recoveries (%Rs) were acceptable indicating accuracy at concentrations throughout the calibration range.

The LLC is used to verify the accuracy at the limit of quantitation (LOQ) which is the lowest concentration where precision and accuracy is known. The LLC was analyzed at the LOQ for these soil samples. The laboratory used limits of 80-120%R for the LLC. All of the observed LLC recoveries were acceptable.

All of the instrument and preparation blanks were less than the LOQ. Furthermore, except for manganese all blank detections were less than the LOD. Manganese was detected at a concentration between the LOD and LOQ. Detected manganese results less than the LOQ were affected and would be J+ qualified with a high bias indicated. All manganese sample results were above the LOQ. Sodium was observed in one CCB at a negative concentration less than the LOD. Sodium results less than the LOD may be affected if associated to this CCB. However, sodium is a commonly detected at much higher concentrations and is likely not affected; all but one sodium results were reported between the LOD and LOQ and qualified as trace results by the lab.

All of the observed detections in the ICSA interferent check for the un-spiked analytes were also less than the LOQ. Except for cobalt and manganese all of the ICSA detections were also less than the LOD. Detected sample results less than the LOQ may be affected and would be J+ qualified with a high bias indicated. All cobalt and manganese samples results were above the LOQ.

All of the observed calibration blank and interferent check standard detections were less than the LOQ and associated to estimated results. Therefore, any qualifications added because of the calibration and blank review would be associated to data already qualified as estimated.

Table B-1: APP77 Calibration summary review

Analyte	LOQ (mg/kg)	LLC (mg/kg)	LLC %R	ICSA Detection (mg/kg)	Highest Blank Detection or ND value (mg/kg)	LCS (mg/kg)	LCS %R	ICV/CCV Spike mg/kg	ICV/CCV %R Range	Assigned Qualifier
Aluminum	40	40	111.5	NA	<6.6	200	98	500/250	98.8-104.5	none
Antimony	0.4	0.4	85-93.5	0.13	0.034 ICB	0.6	114	5/2.5	94.5-104.8	J + results < LOD, 2 samples affected
Arsenic	0.8	0.8	109.3	0.036	<0.13	1	98	50/25	94.5104.3	none
Barium	0.8	0.8	103.5	-0.148	<0.18	5	97	50/25	100.2-102.4	none
Beryllium	0.2	0.2	106	0.0017	<0.01	0.4	99	5/2.5	101.1106.8	none
Cadmium	0.2	0.2	88	0.019	<0.034	0.5	87	5/2.5	93.2-98.2	none
Calcium	80	80	95.4-100.8	NA	<18.9	400	90	500/250	93-104.7	none
Chromium	0.8	0.8	116.5	0.15	<0.17	5	109	50/25	102.3-105.9	none
Cobalt	0.2	0.2	97	0.105	<0.031	25	98	50/25	93.8-101.5	J + results < LOQ; all results above LOQ
Copper	0.8	0.8	103.8	0.088	<0.11	5	101	50/25	94.9-101.7	none
Iron	40	40	88.7	NA	16.021 MB	100	93	500/250	101.3-106.3	J + results < LOD; MBs assessed in ADR and no samples affected
Lead	0.4	0.4	101.5	0.023	0.024 MB	1.5	100	5/2.5	101.1-104.9	J + results < LOD; MBs assessed in ADR and no samples affected
Magnesium	40	40	105.5	NA	-0.97 CCB	200	101	500/250	97.7-103.8	none, CCB < soil MDL
Manganese	0.8	0.8	108	0.349	0.215 MB	5	110	50/25	104.1-107.8	J + results < LOQ; MBs assessed in ADR and no samples affected
Nickel	0.8	0.8	101	0.122	<0.2	5	100	50/25	95.1-102.1	none
Potassium	80	80	111.4	NA	<10.5	1000	100	500/250	100.7-107.1	none
Selenium	0.8	0.8	97.8	0.008	<0.1	1	102	5/2.5	100.8-104.9	none
Silver	0.2	0.2	103	0.041	<0.029	5	99	5/2.5	94.4-101.4	J + results < LOD; all results nondetect
Sodium	80	80	88.9-98.4	NA	-13.4 CCB	1000	100	500/250	97.2-105.8	none; J results > LOD and < LOQ
Thallium	0.2	0.2	99	0.019	<0.025	0.2	112	5/2.5	103-107.6	none
Vanadium	0.2	0.2	101	0.0066	<0.043	5	107	50/25	103.3-108	none
Zinc	6	6	94.6	0.213	<0.78	50	102	50/25	95.9-100.6	none

* = result was outside of control limits
Samples were run on multiple days. The table represents outliers.

Example calculation to convert instrument from ug/l to mg/kg

	Instument	
	ug/L	mg/kg
Arsenic		
LCS	4.573	0.9146

samples ug/L*0.1L/1g (2dil)
standards ug/L*0.1L/1g

Appendix F3

GeoTesting Express Hydraulic Conductivity Laboratory Report

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August 3, 2017

Brendan McGuinness
AECOM
250 Apollo Drive
Chelmsford, MA 01824

RE: Camp Hero, Montauk, NY (GTX-306582)

Dear Brendan:

Enclosed are the test results you requested for the above referenced project. GeoTesting Express, Inc. (GTX) received two samples from you on 6/12/2017. These samples were labeled as follows:

Sample
DUI-5005-15-17
DUI-5015-25-27

GTX performed the following test on each of these samples:

ASTM D5084 - Flexible Wall Permeability

The results presented in this report apply only to the items tested. This report shall not be reproduced except in full, without written approval from GeoTesting Express. The remainder of these samples will be retained for a period of sixty (60) days and will then be discarded unless otherwise notified by you. Please call me if you have any questions or require additional information. Thank you for allowing GeoTesting Express the opportunity of providing you with testing services. We look forward to working with you again in the future.

Respectfully yours,

Joe Tomei
Laboratory Manager

GeoTesting EXPRESS

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Geotechnical Test Report **8/3/2017**

GTX-306582

Camp Hero

Montauk, NY

Prepared for:

AECOM

Client:	AECOM		
Project Name:	Camp Hero		
Project Location:	Montauk, NY		
GTX #:	306582		
Start Date:	7/12/2017	Tested By:	eec
End Date:	7/14/2017	Checked By:	emm
Boring #:	---		
Sample #:	DU01-S005-15-17		
Depth:	---		
Visual Description:	Moist, light brown clay		

Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter by ASTM D5084

Constant Volume

Sample Type:	Intact	Permeant Fluid:	De-aired Distilled water
Orientation:	Vertical	Cell #:	---

Sample Preparation: Extruded from tube, cut, trimmed and placed into permeameter at as-received density and moisture content. Trimmings moisture content = 34.8%.

Assumed Specific Gravity: 2.75

Parameter	Initial	Final
Height, in	2.61	2.45
Diameter, in	2.83	2.87
Area, in^2	6.29	6.47
Volume, in^3	16.4	15.8
Mass, g	485.4	486.3
Bulk Density, pcf	112.4	116.6
Moisture Content, %	35.5	35.8
Dry Density, pcf	82.9	85.9
Degree of Saturation, %	91	99

B COEFFICIENT DETERMINATION

Cell Pressure, psi:	90.09	Increased Cell Pressure, psi:	95.30	Cell Pressure Increment, psi:	5.21
Sample Pressure, psi:	85.09	Corresponding Sample Pressure, psi:	90.17	Sample Pressure Increment, psi:	5.08
				B Coefficient:	0.98

FLOW DATA

Date	Trial #	Pressure, psi		Manometer Readings			Elapsed Time,	Gradient	Permeability K,	Temp,		Permeability K @ 20 °C,
		Cell	Sample	Z_1	Z_2	Z_1-Z_2	sec		cm/sec	°C	R_t	cm/sec
7/14	1	90.1	85.1	12.0	11.9	0.1	80	24.3	3.9E-08	19.5	1.013	3.9E-08
7/14	2	90.1	85.1	12.0	11.9	0.1	87	24.3	3.6E-08	19.5	1.013	3.6E-08
7/14	3	90.1	85.1	12.0	11.9	0.1	79	24.3	3.9E-08	19.5	1.013	4.0E-08
7/14	4	90.1	85.1	12.0	11.9	0.1	80	24.3	3.9E-08	19.5	1.013	3.9E-08

PERMEABILITY AT 20° C: 3.9 x 10^{-8} cm/sec (@ 5 psi effective stress)

Client:	AECOM		
Project Name:	Camp Hero		
Project Location:	Montauk, NY		
GTX #:	306582		
Start Date:	7/12/2017	Tested By:	eec
End Date:	7/14/2017	Checked By:	emm
Boring #:	---		
Sample #:	DU01-S015-25-27		
Depth:	---		
Visual Description:	Moist, brown and gray clay		

Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter by ASTM D5084

Constant Volume

Sample Type:	Intact	Permeant Fluid:	De-aired Distilled water
Orientation:	Vertical	Cell #:	---

Sample Preparation: Extruded from tube, cut, trimmed and placed into permeameter at as-received density and moisture content. Trimmings moisture content = 37.2%.

Assumed Specific Gravity: 2.75

Parameter	Initial	Final
Height, in	2.97	2.97
Diameter, in	2.85	2.85
Area, in^2	6.38	6.38
Volume, in^3	18.9	18.9
Mass, g	576.1	572.6
Bulk Density, pcf	115.6	114.9
Moisture Content, %	37.8	37.0
Dry Density, pcf	83.9	83.9
Degree of Saturation, %	99	97

B COEFFICIENT DETERMINATION

Cell Pressure, psi:	90.56	Increased Cell Pressure, psi:	95.04	Cell Pressure Increment, psi:	4.48
Sample Pressure, psi:	82.75	Corresponding Sample Pressure, psi:	87.01	Sample Pressure Increment, psi:	4.26
				B Coefficient:	0.95

FLOW DATA

Date	Trial #	Pressure, psi		Manometer Readings			Elapsed Time,	Gradient	Permeability K,	Temp,		Permeability K @ 20 °C,
		Cell	Sample	Z_1	Z_2	Z_1-Z_2	sec		cm/sec	°C	R_t	cm/sec
7/14	1	90.6	82.8	8.0	7.8	0.2	59	13.4	2.0E-07	19.5	1.013	2.0E-07
7/14	2	90.6	82.8	8.0	7.8	0.2	57	13.4	2.0E-07	19.5	1.013	2.1E-07
7/14	3	90.6	82.8	8.0	7.8	0.2	57	13.4	2.0E-07	19.5	1.013	2.1E-07
7/14	4	90.6	82.8	8.0	7.8	0.2	65	13.4	1.8E-07	19.5	1.013	1.8E-07

PERMEABILITY AT 20° C: 2.0 x 10^{-7} cm/sec (@ 5 psi effective stress)

GeoTesting EXPRESS

WARRANTY and LIABILITY

GeoTesting Express (GTX) warrants that all tests it performs are run in general accordance with the specified test procedures and accepted industry practice. GTX will correct or repeat any test that does not comply with this warranty. GTX has no specific knowledge as to conditioning, origin, sampling procedure or intended use of the material.

GTX may report engineering parameters that require us to interpret the test data. Such parameters are determined using accepted engineering procedures. However, GTX does not warrant that these parameters accurately reflect the true engineering properties of the *in situ* material. Responsibility for interpretation and use of the test data and these parameters for engineering and/or construction purposes rests solely with the user and not with GTX or any of its employees.

GTX's liability will be limited to correcting or repeating a test which fails our warranty. GTX's liability for damages to the Purchaser of testing services for any cause whatsoever shall be limited to the amount GTX received for the testing services. GTX will not be liable for any damages, or for any lost benefits or other consequential damages resulting from the use of these test results, even if GTX has been advised of the possibility of such damages. GTX will not be responsible for any liability of the Purchaser to any third party.

Commonly Used Symbols

A	pore pressure parameter for $\Delta\sigma_1 - \Delta\sigma_3$
B	pore pressure parameter for $\Delta\sigma_3$
CAI	CERCHAR Abrasiveness Index
CIU	isotropically consolidated undrained triaxial shear test
CR	compression ratio for one dimensional consolidation
CSR	cyclic stress ratio
C_c	coefficient of curvature, $(D_{30})^2 / (D_{10} \times D_{60})$
C_u	coefficient of uniformity, D_{60}/D_{10}
C_c	compression index for one dimensional consolidation
C_α	coefficient of secondary compression
c_v	coefficient of consolidation
c	cohesion intercept for total stresses
c'	cohesion intercept for effective stresses
D	diameter of specimen
D	damping ratio
D_{10}	diameter at which 10% of soil is finer
D_{15}	diameter at which 15% of soil is finer
D_{30}	diameter at which 30% of soil is finer
D_{50}	diameter at which 50% of soil is finer
D_{60}	diameter at which 60% of soil is finer
D_{85}	diameter at which 85% of soil is finer
d_{50}	displacement for 50% consolidation
d_{90}	displacement for 90% consolidation
d_{100}	displacement for 100% consolidation
E	Young's modulus
e	void ratio
e_c	void ratio after consolidation
e_o	initial void ratio
G	shear modulus
G_s	specific gravity of soil particles
H	height of specimen
H_R	Rebound Hardness number
i	gradient
I_S	Uncorrected point load strength
$I_{S(50)}$	Size corrected point load strength index
H_A	Modified Taber Abrasion
H_T	Total hardness
K_o	lateral stress ratio for one dimensional strain
k	permeability
LI	Liquidity Index
m_v	coefficient of volume change
n	porosity
PI	plasticity index
P_c	preconsolidation pressure
p	$(\sigma_1 + \sigma_3) / 2$, $(\sigma_v + \sigma_h) / 2$
p'	$(\sigma'_1 + \sigma'_3) / 2$, $(\sigma'_v + \sigma'_h) / 2$
p'_c	p' at consolidation
Q	quantity of flow
q	$(\sigma_1 - \sigma_3) / 2$
q_f	q at failure
q_o, q_i	initial q
q_c	q at consolidation
S_r	Post cyclic undrained shear strength
T	temperature
t	time
U, UC	unconfined compression test
UU, Q	unconsolidated undrained triaxial test
u_a	pore gas pressure
u_e	excess pore water pressure
u, u_w	pore water pressure
V	total volume
V_g	volume of gas
V_s	volume of solids
V_s	shear wave velocity
V_v	volume of voids
V_w	volume of water
V_o	initial volume
v	velocity
W	total weight
W_s	weight of solids
W_w	weight of water
w	water content
w_c	water content at consolidation
w_f	final water content
w_l	liquid limit
w_n	natural water content
w_p	plastic limit
w_s	shrinkage limit
w_o, w_i	initial water content
α	slope of q_f versus p_f
α'	slope of q_f versus p_f'
γ_t	total unit weight
γ_d	dry unit weight
γ_s	unit weight of solids
γ_w	unit weight of water
ε	strain
ε_{vol}	volume strain
ε_h, ε_v	horizontal strain, vertical strain
μ	Poisson's ratio, also viscosity
σ	normal stress
σ'	effective normal stress
σ_c, σ'_c	consolidation stress in isotropic stress system
σ_h, σ'_h	horizontal normal stress
σ_v, σ'_v	vertical normal stress
σ'_{vc}	Effective vertical consolidation stress
σ_1	major principal stress
σ_2	intermediate principal stress
σ_3	minor principal stress
τ	shear stress
φ	friction angle based on total stresses
φ'	friction angle based on effective stresses
φ'_r	residual friction angle
φ_{ult}	φ for ultimate strength

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Appendix F4

Eurofins Lancaster Laboratories Environmental LLC (ELLE)
Corrective Action Summary Letter

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eurofins | Lancaster Laboratories Environmental

October 26, 2017

Mark MacEwan
AECOM
Senior Program Manager
3101 Wilson Blvd
Suite 900
Arlington, VA 22201

Subject: Eurofins Lancaster Laboratories Environmental LLC (ELLE) Corrective Action Summary for AECOM Camp Hero NY

Dear Mr. MacEwan,

Below is the summary of Eurofins Lancaster Laboratories Environmental LLC's (ELLE's) investigation and corrective action plan for the Inductively Coupled Plasma-Mass Spectrometry (ICP-MS) data integrity issue that was initially communicated to your team on October 18, 2017. Our assessment of the impacted data is ongoing. Attached to this summary letter is a table of the affected data for AECOM Camp Hero NY, current as of October 26, 2017.

Background:

On September 14, 2017, a data validator contacted ELLE in regard to a result for which they were unable to confirm the value from ICP-MS data they were trying to validate. The Metals Department Manager (Robert Strocko) looked into the issue and determined that the reason the raw results did not match the result reported out of the Laboratory Information Management System (LIMS) was due to a manual change to the data import file. The following morning, Friday September 15, the Operations Director (Rick Karam), Quality Assurance (QA) Director (Dorothy Love) and Information Technology (IT) Manager (Holly Trego) were notified about the discrepancy. The IT Manager ran a comparison of data sets from the same instrument going back to January 2017 and found more instances of data changes. The changes were found to have been one digit in the record (i.e. 8938.514 to 7938.514) and were associated with only one employee. After notifying Human Resources, the Metals Department Manager, Operations Director, and QA Director met with the employee to discuss the issues with the data. During this meeting the employee admitted to making changes a few times. At that point their employment was immediately terminated. Executive management was notified of this issue and a full investigation into the scope of the data changes was launched.

Dorothy Love notified ELLE's primary TNI (The NELAC Institute) accreditation bodies of the issue by phone on Friday September 15, 2017. As the scope of the issue became more clear, and was shown to include Department of Defense (DoD) samples, additional notifications were required. Dorothy Love notified ELLE's DoD ELAP accrediting body (AB), American Association for Laboratory Accreditation (A2LA), of the DoD issue on September 19, 2017 per DoD ELAP accreditation requirements. A2LA in turn notified the DoD as is the established protocol.

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Impact Evaluation:

The IT Manager utilized a comparison query to look for discrepancies between the calculated result using the three replicate readings and the result that was originally reported in the LIMS. The changes were being made to the calculated result and not to the replicate readings, therefore we were able to recalculate from the instrument record and determine the value that should have been reported. This initial assessment was done for the instrument associated with the original suspect data set. Once it was determined that the employee had altered the data, we evaluated all ICP-MS data from every instrument back to January 1, 2015. It has been determined that the changes were only made by the terminated employee and spanned across four instruments. Three are Agilent and one is Perkin-Elmer. The Agilent instruments give the replicate readings in intensity. The intensity is then put through a calculation to determine the final result. Without knowledge of the calculation, the employee made the changes to the final result and not to the individual replicates, so we can recalculate the result using the initial instrument output file. The Perkin-Elmer comparison needs to be evaluated manually by comparing data records due to differences with the information as it comes off the instrument, and is only used to analyze drinking water samples. The Perkin-Elmer provides the replicate readings as a concentration. We have found that in some cases, the employee had changed the replicate reading but did not recalculate the associated Relative Standard Deviation (RSD). The comparisons to assess the data from the Perkin-Elmer instrument require re-importing the records to look for discrepancies. This review is taking longer as it requires manual intervention to import the data.

Rounding issues created challenges with the assessment but we were able to set a threshold based on review of data during a non-impacted cycle. This rationale and approach was confirmed as acceptable with a 3rd party statistician. The query comparison performed was able to confirm that the changes were only associated with this employee's data sets and only occurred in the time period from 6/21/2016 to 9/15/2017.

The vast majority of the data changes were made to Quality Control (QC) and/or calibration checks, not to actual sample results. Where we see sample result changes, these are primarily cases where the result exceeded the linear calibration range of the instrument and were changed to be slightly lower than the upper limit of the calibration range. There are a few cases where lower concentration results were changed. It is not clear as to the reason for these changes. For the majority of the cases, while the samples should have been reanalyzed, they were not and where there is no sample aliquot remaining to be reanalyzed within hold time, the data would now need to have a corresponding qualification added.

As of today, we have reviewed approximately 95% of the data. However, there are files from the Perkin-Elmer instrument that are being restored from archives which then need to be evaluated.

Client notification and reanalysis/qualification:

Notification to clients regarding affected projects was made on October 18, 2017. We established a toll free number that clients can use to connect with Eurofins designated

corrective action team to address any technical concerns and to provide additional detail. We are committed to working with your team and any applicable regulators to provide them with the necessary information concerning the impact upon the Camp Hero project data (result change vs QC qualification, etc.) related to this event.

Upon your request, revised reports, electronic data deliverables, and data packages with the corrected data and corresponding data qualifications will be provided. If valid sample aliquots are still available in the laboratory, ELLE will provide retesting free-of-charge, if needed. ELLE will work collaboratively with your team to resolve the potential need for resampling and reanalysis associated with this data quality issue.

Root cause:

The root cause of the data changes is that one employee made the decision to not follow established procedures and to deviate from our ethics and quality policies. The employee's motivation for this breach appears to have been a desire to avoid the time and effort necessary to clean and maintain his instruments and to avoid reanalysis of the samples as required in Eurofins standard operating procedures. The employee had completed the company mandated ethics training and had signed off on all relevant ethics and quality SOPs yet made the decision to make these changes. Interviews conducted with other analysts and supervisory personnel in the Metals Laboratory indicate that no other employees were aware that the employee was engaged in data manipulation. There were no indications that the employee was not acting in compliance with applicable ethics and quality policies.

The system used to transfer instrument data files into LIMS is not unique to ELLE; similar processes are used across the industry. That being said, it does create vulnerability and we are working to close that vulnerability within our system.

Corrective actions:

Our Ethics training for 2017 was conducted this past summer. The employee in question attended the training in June, signed the Ethics Statement and completed the quiz successfully. The training was clearly focused on what practices are acceptable and what practices are NOT acceptable,, and clearly stated that we do not tolerate ethics violations. The training included information about how our data is used to ensure that our staff understands the importance of data generated and reported to the client and to the world at large.

On October 24, 2017, an all employee meeting occurred that addressed this issue and expectations were again emphasized around the ethics policy and ethics statement. Upon completion of the investigation, another round of ethics training will be conducted.

The changes that the employee made were to the import file used to transfer the data from the instrument to the LIMS. We have implemented a daily automated comparison query to ensure that the data matches when it is imported so that no further data is being impacted. We are reviewing all other data transfer processes used for other areas of the laboratory to determine if

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there are vulnerabilities with the data files in those systems which can be locked down and/or monitored.

Upon completion of the investigation, all current and future correction actions will be reviewed, monitored, and fully implemented.

Commitment:

From day 1 of discovery of the data manipulation by this one employee, we assembled a team of people dedicated to determining the full scope of the issue, began the assessment of the impact to our clients, and provided our regulators with assurances that we will implement the necessary corrective action to remediate the data quality issue and prevent it from reoccurring. After completing our investigation to determine the magnitude of the data quality impacts, we are communicating our findings to our clients and are committed to working with them to remedy any harm that may have resulted from the incident. This team includes the ELLE President, Vice-President, Operations Director, QA Director, IT Manager, Metals Manager, Client Services Manager, Sales Director, Marketing Manager, and a dedicated project manager to oversee our progress. The team meets on a daily basis to ensure that we have covered all aspects and concerns and are completing the corrective actions required.

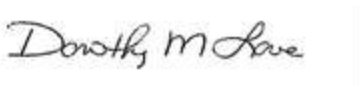
We take this breach of our protocol and policies very seriously and are committed to the actions and resources necessary to make it right.

Revised reports, SEDD files, and data packages will be submitted to AECOM no later than 5 pm on November 9, 2017 for the Camp Hero project.

Please let me know if anyone on your team or your client has any questions or need additional information. You can reach me at 717-556-7327 or via email at dorothylove@eurofinsus.com . Please note that the investigation is ongoing and we reserve the right to modify and/or supplement the information based upon the results of the investigation. Any additional information related to the Camp Hero program will be communicated to your team promptly.

Thank you.

Sincerely,



Dorothy Love
Director
Quality Assurance

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Appendix F5

Camp Hero Project Laboratory Subcontractor Data Quality Breach Letter

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January 30, 2018

Ms. Megan Cullen
Contracting Officer Representative
Department of the Army, New England District
U.S. Army Corps of Engineers
696 Virginia Road
Concord, Massachusetts, 01742-2751

Via Email: *megan.cullen@usace.army.mil*

RE: Camp Hero Project Laboratory Subcontractor Data Quality Breach

Dear Megan:

This letter is intended to document the laboratory data quality breach that occurred on the Camp Hero project as well as the actions that have been taken by the laboratory and AECOM-Tidewater Joint Venture (JV) project team to ensure that overall quality of the project remains at the highest level. The laboratory quality issue involves the laboratory subcontractor Eurofins Lancaster Laboratories Environmental LLC (ELLE) on the Camp Hero project being completed by AECOM-Tidewater JV on United States Army Corps of Engineers (USACE) contract W912DR-13-D-0016 and task order DB01. A total of approximately 15,000 analytical metals results from 596 samples in 33 sample delivery groups (SDGs) were potentially affected. These samples were collected during two field events: The Phase II remedial Investigation (RI) conducted in December 2016 and the Phase III RI conducted in June 2017. Based on the evaluation of this matter conducted by ELLE and AECOM Camp Hero project chemists (Ms. Devon Chicoine and Ms. Debbie Masonheimer), one of the 33 SDGs required re-analysis, 19 (0.13%) sample results required an actual value change, and 226 (1.6%) sample results required qualifier changes. Based on our review of the data and working with ELLE on this matter, it is our professional opinion that the resulting data is defensible and useable for the various evaluations to be conducted as part of the Camp Hero RI. Additional details are provided below.

On September 14, 2017, an external data validator contacted ELLE in regard to an inductively coupled plasma-mass spectrometer (ICP-MS) result for which could not be confirmed during the validation process. The ELLE metals department manager looked into the issue; it was determined that the reason that the raw result did not match the result presented in the report out of the Laboratory Information Management System (LIMS) was due to a manual change made by a single analyst to the data import file between the instrument and the LIMS. The analyst was questioned, admitted to falsifying numbers, and was subsequently terminated. Upon further review, ELLE determined that there were multiple instances where values were changed and a full-scale investigation was launched encompassing the terminated employee's tenure. The ELLE Quality Assurance (QA) manager notified their accreditation agency on 15 September 2017. When it was discovered that the scope of the breach affected Department of Defense (DoD) samples, ELLE notified their DoD accreditation agency, American Association of

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Accreditation Laboratories (A2LA) on 19 September 2017. ELLE continued to assess impact, and public health concerns (such as drinking water) were addressed first.

This data breach was verbally communicated to the AECOM chemists on 17 October 2017 and the USACE Camp Hero project COR and PM (Greg Goepfert) were notified via phone on 20 and 23 October 2017 respectively. A corrective action letter from ELLE was submitted to AECOM on 26 October 2017, which was provided to USACE on 1 November 2017. A complete timeline of events is provided in Attachment A. The ELLE Corrective Action Summary is included in Attachment B.

There were 33 Camp Hero data packages affected by the metals data breach in samples collected during the RI Phase II (4) and III (29) field events. AECOM chemists prepared a summary of the breach per data package and assessed the impact of each analyte, which is included in Attachment C. The comprehensive spreadsheets compiled by ELLE containing the metals breach items by data package and analyte were previously provided to the USACE chemist, Ms. Yixian Zhang.

Most of the changes were made to quality control (QC) results. Where sample results changed, it was due to results exceeding the linear calibration range of the instrument. The sample results were changed to be slightly lower than the upper limit of the calibration range. Sample analytes that exceeded the calibration range were reanalyzed where the samples were within holding time. Sample CH-MW016-02F and its matrix spike/matrix spike duplicate manganese results in SDG APP62 originally exceeded the linear range of the instrument. The samples were reanalyzed and the re-analyzed results were diluted to be within the linear range.

AECOM received all of the revised Level II and Level IV lab reports for the 33 metals SDGs impacted by the data breach by 9 November 2017. Only 14 Staged Electronic Data Deliverable (SEDD) files were impacted out of the 33 SDGs since instrument calibration data are not part of the required SEDD files. The laboratory provided SEDD as Stage 2a files which consisted of project and laboratory quality control samples. AECOM prepared a summary of issues per SDG and reviewed the issues with Ms. Zhang. AECOM chemists proposed to complete a more in-depth review of the calibration issues. The independent calibration review was performed by an AECOM senior validation chemist (Mr. Steve Szocik) for one solid (APP34) and one aqueous (APP61) SDG. The two data packages were representative of the calibration-related impacts noted by ELLE including low level calibration check (LLC) compliance issues with multiple analytes.

For APP34, the LLC exhibited percent recoveries (%R) less than 10% for most of the target metals. ELLE indicated that the LLC may have been a blank sample and may not be indicative of the accuracy of the analytical system. ELLE suggested that the lab control sample (LCS) be used to confirm low level validity. The non-compliant LLC appeared to be an isolated incident based on the acceptable percent recovery (%R) of the other LLC samples reported for this SDG. Following the calibration review, AECOM determined that there were 18 samples for DU04 in SDG APP34 that required reanalysis due to multiple QC failures at the lower end of the calibration range. The 18 samples were reanalyzed within the holding time for metals and reported in SDG APP77. APP34 was the only SDG with LLC values at less than 75 %R (the QC range is 80-120 %R).

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For APP61, the recoveries were acceptable in the LLC except for a few analytes (aluminum at 132%, calcium at 126% and barium at 125%). The high LLC recoveries do not affect analytes not detected. A single aluminum detection was observed in one instrument blank, which caused two samples to have estimated results (CH-MW020-02 and CH-MW024-02).

In summary, there were a few detections in the instrument blanks and interference check standards across the 33 SDGs that were flagged for review. Out of approximately 15,200 metals results in the 33 SDGs, only 19 (0.13%) metals results required an actual value change. There were 226 (1.6%) results which required qualifier changes. Note that qualifier changes were only applied to sample results with exceedances in QC samples (blanks, LCS/LCSD, MS/MSD, etc.); no qualifiers were changed due to minor exceedances in calibration checks. The rejected metals results in SDG APP34 have acceptable results in SDG APP77, and are not included in the total count for result or qualifier changes. Additional details on the impacts of the metals data quality breach are discussed in data validation memos for the 33 SDGs that are included in the Camp Hero Phase III Field Report. Based on the information provided above, it is our professional opinion that the data is defensible and useable.

As for corrective actions, ELLE has proposed and implemented multiple procedural changes as outlined in the corrective action letter. AECOM has addressed this laboratory data quality breach through AECOM Design and Consulting Services Americas (DCS-A) Business Line Management, DCS-A Quality and Office of Risk Management, DCS-A Legal and Federal Contract and Procurement (FCAP). On future projects, we plan to independently verify activities provided in the ELLE corrective action plan. ELLE has notified AECOM that their DoD accreditation was never suspended or terminated due to this data quality breach. The accreditation agency, A2LA, has notified EELE that their proposed corrective actions were acceptable. A copy of the correspondence from A2LA to ELLE is provided in Attachment B.

We welcome any feedback on our management and execution of this unfortunate situation. Please contact me at 703-682-9092 or mark.macewan@aecom.com if you have any questions or require any additional information.

Sincerely,

Mark MacEwan

Mark MacEwan, P.E.
Project Manager, AECOM-Tidewater JV

Attachments

Cc: Greg Goepfert, P.E., PMP	USACE New York District, Project Manager
Yixian Zhang	USACE New England District, Project Chemist
Megan Donahue, P.G.	AECOM Deputy Project Manager
Mark Kauffman, P.E.	AECOM HTRW Advisor
Devon Chicoine	AECOM Project Chemist
Debbie Masonheimer	AECOM Project Chemist
Amanda Martin	AECOM Project Engineer

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Attachment A: Laboratory Data Quality Breach Timeline

Date	Parties Involved	Discussion
10/17/2017	AECOM and ELLE	Initial call regarding data breach
10/18/2017	ELLE QA manager	Email to all project contacts affected by the breach.
10/19/2017	AECOM and ELLE	Initial call regarding the breach to provide details to the project team. Weekly calls were scheduled between key personnel at ELLE and AECOM.
10/20/2017	ELLE Account Manager	Received a list of nearly 600 project samples that were affected by the breach. List was not detailed as to issues.
10/23/2017	AECOM	Provided a list of priority data packages and required ELLE to provide additional details for those packages.
10/26/2017	ELLE QA Manager	Released impact memo for AECOM to provide to USACE
10/30/2017	ELLE Operations Vice President	ELLE provided a spreadsheet summarizing all impacted metal results for the 33 data packages
10/30/2017	AECOM	Requested some samples be reanalyzed due to results exceeding upper calibration limit.
11/7/2017	AECOM	Prepared summary of metals breach issues
11/9/2017	ELLE Account Manager	ELLE provided all Level II reports, SEDDs, and Level IV reports regarding the breach.
11/13/2017	USACE and AECOM chemists	Ms. Zhang requested a calibration review after receiving the laboratory summary spreadsheet. Both parties agreed that two packages (one aqueous and one solid) would be reviewed.
11/15/2017	AECOM	Started the calibration form review by AECOM senior chemist, redoing validation, data validation memos, entering qualifiers, etc.
11/29/2017	USACE and AECOM chemists	CH Metals Breach Summary - Ms. Zhang requested a revised excel spreadsheet to provide more details. She was concerned with APP34 where 17 metals had a low to no recovery in the low level calibration (LLC) solution
11/30/2017	USACE bi-weekly call	AECOM notified USACE that APP34 metals results with low recoveries in the LLC solution would be rejected and that ELLE was instructed to reanalyze. Preliminary results were requested by 12/7/2017.
12/8/2017	ELLE	Re-prepared and analyzed replacement metals package APP77 received. SEDD files and data packages were received on 12/8/2017
12/13/2017	USACE and AECOM chemists	A comparison table of the APP34 and APP77 was sent to Ms. Zhang and she responded “It appears that the results from the re-analysis (APP77) are in general comparable to the results from the original analysis (APP34), indicating that QC failures at the lower end of the calibration range in APP34 was likely a result of mis-injection of a blank solution”.
12/9/2017	AECOM	Field Report for phase III released with corrected data packages.

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Attachment B: ELLE Corrective Action Letter and Response Letter from A2LA Accreditation Company

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October 26, 2017

Mark MacEwan
AECOM
Senior Program Manager
3101 Wilson Blvd
Suite 900
Arlington, VA 22201

Subject: Eurofins Lancaster Laboratories Environmental LLC (ELLE) Corrective Action Summary for AECOM Camp Hero NY

Dear Mr. MacEwan,

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corrective action team to address any technical concerns and to provide additional detail. We are committed to working with your team and any applicable regulators to provide them with the necessary information concerning the impact upon the Camp Hero project data (result change vs QC qualification, etc.) related to this event.

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Root cause:

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The changes that the employee made were to the import file used to transfer the data from the instrument to the LIMS. We have implemented a daily automated comparison query to ensure that the data matches when it is imported so that no further data is being impacted. We are reviewing all other data transfer processes used for other areas of the laboratory to determine if

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there are vulnerabilities with the data files in those systems which can be locked down and/or monitored.

Upon completion of the investigation, all current and future correction actions will be reviewed, monitored, and fully implemented.

Commitment:

From day 1 of discovery of the data manipulation by this one employee, we assembled a team of people dedicated to determining the full scope of the issue, began the assessment of the impact to our clients, and provided our regulators with assurances that we will implement the necessary corrective action to remediate the data quality issue and prevent it from reoccurring. After completing our investigation to determine the magnitude of the data quality impacts, we are communicating our findings to our clients and are committed to working with them to remedy any harm that may have resulted from the incident. This team includes the ELLE President, Vice-President, Operations Director, QA Director, IT Manager, Metals Manager, Client Services Manager, Sales Director, Marketing Manager, and a dedicated project manager to oversee our progress. The team meets on a daily basis to ensure that we have covered all aspects and concerns and are completing the corrective actions required.

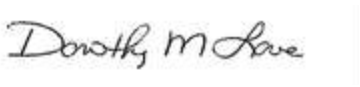
We take this breach of our protocol and policies very seriously and are committed to the actions and resources necessary to make it right.

Revised reports, SEDD files, and data packages will be submitted to AECOM no later than 5 pm on November 9, 2017 for the Camp Hero project.

Please let me know if anyone on your team or your client has any questions or need additional information. You can reach me at 717-556-7327 or via email at dorothylove@eurofinsus.com . Please note that the investigation is ongoing and we reserve the right to modify and/or supplement the information based upon the results of the investigation. Any additional information related to the Camp Hero program will be communicated to your team promptly.

Thank you.

Sincerely,



Dorothy Love
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Quality Assurance

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Client	AECOM
Account	19891
Project	Camp Hero
State	NY
Date	October 26, 2017

Table: Affected Samples

Group	SDG	Collection Date	Sample Affected	Sample Analysis Date	Description 1	Batch
1743301	APP03	12/08/2016 16:40:00	8740003	12/21/2016 10:23:00	EB-20161208-01 Water	163510639005A
1743301	APP03	12/11/2016 15:43:00	8740007	12/21/2016 10:04:00	CH-MW002-01 Water	163510639005A
1743301	APP03	12/11/2016 15:43:00	8740008	12/21/2016 10:13:00	CH-MW002-01MS Water	163510639005A
1743301	APP03	12/11/2016 15:43:00	8740009	12/21/2016 10:17:00	CH-MW002-01MSD Water	163510639005A
1743301	APP03	12/11/2016 15:43:00	8740013	12/21/2016 10:10:00	CH-MW002-01_Duplicate Water	163510639005A
1743301	APP03	12/11/2016 15:43:00	8740021	12/21/2016 10:26:00	CH-MW002-01DUP Water	163510639005A
1744901	APP08	12/12/2016 14:05:00	8746391	12/28/2016 00:14:59	203-SB30-01 Soil	163540637002A
1744901	APP08	12/12/2016 14:18:00	8746392	12/28/2016 00:18:03	203-SB30-10 Soil	163540637002A
1744901	APP08	12/12/2016 14:33:00	8746393	12/28/2016 00:27:22	203-SB34-01 Soil	163540637002A
1744901	APP08	12/12/2016 14:40:00	8746394	12/28/2016 00:30:28	203-SB34-10 Soil	163540637002A
1744901	APP08	12/12/2016 15:23:00	8746395	12/28/2016 00:33:43	203-SB21-01 Soil	163540637002A
1744901	APP08	12/12/2016 16:13:00	8746396	12/28/2016 00:36:49	203-SB21-24 Soil	163540637002A
1744901	APP08	12/12/2016 15:00:00	8746397	12/28/2016 00:39:54	203-SB32-01 Soil	163540637002A
1744901	APP08	12/12/2016 15:10:00	8746398	12/28/2016 00:42:58	203-SB32-09 Soil	163540637002A
1744901	APP08	12/13/2016 08:46:00	8746399	12/28/2016 00:46:11	203-SB20-24 Soil	163540637002A
1744901	APP08	12/13/2016 07:55:00	8746400	12/27/2016 23:56:21	203-SB20-01 Soil	163540637002A
1744901	APP08	12/13/2016 07:55:00	8746401	12/28/2016 00:05:33	203-SB20-01MS Soil	163540637002A
1744901	APP08	12/13/2016 07:55:00	8746402	12/28/2016 00:08:48	203-SB20-01MSD Soil	163540637002A
1744901	APP08	12/13/2016 07:55:00	8746406	12/28/2016 00:02:29	203-SB20-01_Duplicate Soil	163540637002A
1744901	APP08	12/13/2016 09:00:00	8746407	12/28/2016 00:49:16	203-SB18-01 Soil	163540637002A
1744901	APP08	12/13/2016 09:38:00	8746408	12/28/2016 00:52:20	203-SB18-18 Soil	163540637002A
1744901	APP08	12/13/2016 09:44:00	8746409	12/28/2016 00:55:24	203-SB18-23 Soil	163540637002A
1744901	APP08	12/13/2016 11:53:00	8746410	12/28/2016 01:04:46	203-SB14-01 Soil	163540637002A

Table: Affected Samples

Group	SDG	Collection Date	Sample Affected	Sample Analysis Date	Description 1	Batch
1744901	APP08	12/13/2016 12:44:00	8746411	12/28/2016 01:07:52	203-SB14-24 Soil	163540637002A
1744901	APP08	12/13/2016 12:44:00	8746412	12/28/2016 01:11:05	203-SB14-24DUP Soil	163540637002A
1744901	APP08	12/13/2016 10:23:00	8746413	12/28/2016 01:14:10	203-SB15-01 Soil	163540637002A
1744901	APP08	12/13/2016 11:34:00	8746414	12/28/2016 01:17:16	203-SB15-28 Soil	163540637002A
1744901	APP08	12/13/2016 14:07:00	8746415	12/28/2016 01:20:22	203-SB09-01 Soil	163540637002A
1744921	APP10	12/12/2016 09:30:00	8746464	12/21/2016 10:35:00	CH-MW013-01 Water	163510639005A
1744921	APP10	12/12/2016 13:25:00	8746466	12/21/2016 10:38:00	CH-MW014-01 Water	163510639005A
1744921	APP10	12/13/2016 10:25:00	8746468	12/22/2016 19:30:57	CH-MW001-01 Water	163510639005A
1744921	APP10	12/13/2016 08:20:00	8746470	12/21/2016 10:44:00	CH-MW003-01 Water	163510639005A
1744921	APP10	12/13/2016 09:30:00	8746472	12/21/2016 10:47:00	CH-MW004-01 Water	163510639005A
1744921	APP10	12/13/2016 09:30:00	8746474	12/21/2016 10:50:00	CH-MW004-01DUP Water	163510639005A
1744921	APP10	12/13/2016 12:00:00	8746476	12/21/2016 10:53:00	CH-MW005-01 Water	163510639005A
1744921	APP10	12/13/2016 13:20:00	8746480	12/21/2016 10:56:00	EB-20161213-01 Water	163510639005A
1744921	APP10	12/13/2016 14:30:00	8746481	12/21/2016 10:59:00	CH-MW009-01 Water	163510639005A
1744921	APP10	12/13/2016 12:15:00	8746483	12/21/2016 11:02:00	CH-MW010-01 Water	163510639005A
1744921	APP10	12/13/2016 15:30:00	8746485	12/21/2016 11:11:00	CH-MW012-01 Water	163510639005A
1746252	APP11	12/14/2016 09:55:00	8752809	12/30/2016 06:45:42	203-SB16-01DUP Soil	163560637003A
1808833	APP17	06/01/2017 13:30:00	9027218	06/19/2017 10:03:20	CH-SWSD108-SE01 Sediment	171571063701B
1808833	APP17	06/01/2017 12:40:00	9027219	06/19/2017 10:20:38	CH-SWSD109-SE01 Sediment	171571063701B
1808833	APP17	06/01/2017 12:10:00	9027220	06/19/2017 10:23:31	CH-SWSD110-SE01 Sediment	171571063701B
1808833	APP17	06/01/2017 12:10:00	9027221	06/19/2017 10:32:06	CH-SWSD110-SE01D Sediment	171571063701A
1808833	APP17	06/01/2017 13:50:00	9027222	06/19/2017 10:34:57	CH-SWSD107-SE01 Sediment	171571063701A
1808833	APP17	06/01/2017 14:15:00	9027223	06/19/2017 10:37:49	CH-SWSD106-SE01 Sediment	171571063701A

Table: Affected Samples

Group	SDG	Collection Date	Sample Affected	Sample Analysis Date	Description 1	Batch
1808833	APP17	06/01/2017 14:30:00	9027224	06/19/2017 10:40:39	CH-SWSD101-SE01 Sediment	171571063701A
1808833	APP17	06/01/2017 15:15:00	9027225	06/19/2017 10:43:41	CH-SWSD102-SE01 Sediment	171571063701A
1808833	APP17	06/01/2017 16:15:00	9027226	06/19/2017 10:46:32	CH-SWSD105-SE01 Sediment	171571063701A
1808833	APP17	06/01/2017 16:15:00	9027227	06/19/2017 10:49:26	CH-SWSD105-SE01D Sediment	171571063701A
1808833	APP17	06/01/2017 15:40:00	9027228	06/19/2017 10:52:17	CH-SWSD103-SE01 Sediment	171571063701A
1808833	APP17	06/01/2017 15:50:00	9027229	06/19/2017 10:55:08	CH-SWSD104-SE01 Sediment	171571063701A
1808833	APP17	06/02/2017 08:55:00	9027230	06/19/2017 10:58:00	CH-SWSD066-SE01 Sediment	171571063701A
1808833	APP17	06/02/2017 09:15:00	9027231	06/19/2017 11:06:34	CH-SWSD067-SE01 Sediment	171571063701A
1808835	APP18	06/02/2017 11:30:00	9027234	06/19/2017 11:09:24	CH-SWSD074-SE01 Sediment	171571063701A
1808835	APP18	06/02/2017 10:52:00	9027235	06/19/2017 11:12:16	CH-SWSD072-SE01 Sediment	171571063701A
1808835	APP18	06/02/2017 10:45:00	9027236	06/19/2017 11:15:07	CH-SWSD071-SE01 Sediment	171571063701A
1808835	APP18	06/02/2017 11:15:00	9027237	06/20/2017 07:57:30	CH-SWSD073-SE01 Sediment	171571063701B
1808836	APP19	06/02/2017 11:20:00	9027240	06/14/2017 12:47:36	CH-SWSD074-SW01-F Filtered Water	171561063904A
1808838	APP20	06/01/2017 11:30:00	9027246	06/14/2017 12:36:38	CH-SWSD110-SW01-F Filtered Water	171561063904A
1808838	APP20	06/01/2017 11:30:00	9027247	06/14/2017 12:42:07	CH-SWSD110-SW01MS-F Filtered Water	171561063904A
1808838	APP20	06/01/2017 11:30:00	9027248	06/14/2017 12:43:58	CH-SWSD110-SW01MSD-F Filtered Water	171561063904A
1808838	APP20	06/01/2017 11:30:00	9027249	06/14/2017 12:40:19	CH-SWSD110-SW01DUP-F Filtered Water	171561063904A
1808838	APP20	06/01/2017 13:00:00	9027251	06/14/2017 12:53:05	CH-SWSD108-SW01-F Filtered Water	171561063904A
1808838	APP20	06/01/2017 12:15:00	9027253	06/14/2017 12:54:56	CH-SWSD109-SW01-F Filtered Water	171561063904A
1808838	APP20	06/01/2017 13:45:00	9027255	06/14/2017 12:56:47	CH-SWSD107-SW01-F Filtered Water	171561063904A
1808838	APP20	06/01/2017 14:00:00	9027257	06/14/2017 12:58:38	CH-SWSD106-SW01-F Filtered Water	171561063904A
1808838	APP20	06/01/2017 15:30:00	9027259	06/14/2017 13:00:28	CH-SWSD103-SW01-F Filtered Water	171561063904A
1808838	APP20	06/01/2017 15:00:00	9027261	06/14/2017 13:02:17	CH-SWSD102-SW01-F Filtered Water	171561063904A

Table: Affected Samples

Group	SDG	Collection Date	Sample Affected	Sample Analysis Date	Description 1	Batch
1808838	APP20	06/01/2017 14:20:00	9027263	06/14/2017 13:04:08	CH-SWSD101-SW01-F Filtered Water	171561063904A
1808838	APP20	06/01/2017 16:00:00	9027265	06/14/2017 13:05:58	CH-SWSD105-SW01-F Filtered Water	171561063904A
1808838	APP20	06/01/2017 16:00:00	9027267	06/14/2017 13:07:49	CH-SWSD105-SW01D-F Filtered Water	171561063904A
1808838	APP20	06/01/2017 15:45:00	9027269	06/14/2017 13:09:40	CH-SWSD104-SW01-F Filtered Water	171561063904A
1808838	APP20	06/02/2017 09:10:00	9027272	06/14/2017 13:15:08	CH-SWSD067-SW01-F Filtered Water	171561063904A
1809297	APP21	06/02/2017 09:45:00	9029105	06/16/2017 04:20:07	CH-SWSD068-SE01 Sediment	171591063704A
1809297	APP21	06/02/2017 10:10:00	9029106	06/16/2017 04:23:12	CH-SWSD069-SE01 Sediment	171591063704A
1809297	APP21	06/02/2017 10:28:00	9029107	06/16/2017 04:32:34	CH-SWSD070-SE01 Sediment	171591063704A
1809297	APP21	06/02/2017 12:40:00	9029108	06/16/2017 04:35:40	CH-SWSD077-SE01 Sediment	171591063704A
1809297	APP21	06/02/2017 12:55:00	9029109	06/16/2017 04:38:45	CH-SWSD078-SE01 Sediment	171591063704A
1809297	APP21	06/02/2017 12:45:00	9029110	06/16/2017 04:41:51	CH-SWSD079-SE01 Sediment	171591063704A
1809297	APP21	06/02/2017 12:00:00	9029111	06/16/2017 04:45:06	CH-SWSD075-SE01 Sediment	171591063704A
1809297	APP21	06/02/2017 12:00:00	9029112	06/16/2017 04:48:12	CH-SWSD075-SE01D Sediment	171591063704A
1809297	APP21	06/02/2017 12:25:00	9029113	06/16/2017 04:51:18	CH-SWSD076-SE01 Sediment	171591063704A
1809297	APP21	06/02/2017 15:30:00	9029114	06/16/2017 04:54:22	CH-SWSD062-SE01 Sediment	171591063704A
1809297	APP21	06/02/2017 14:40:00	9029115	06/16/2017 04:57:35	CH-SWSD065-SE01 Sediment	171591063704A
1809297	APP21	06/02/2017 14:40:00	9029116	06/16/2017 05:00:41	CH-SWSD065-SE01D Sediment	171591063704A
1809297	APP21	06/02/2017 15:10:00	9029117	06/16/2017 05:10:06	CH-SWSD063-SE01 Sediment	171591063704A
1809297	APP21	06/02/2017 14:55:00	9029118	06/16/2017 05:13:12	CH-SWSD064-SE01 Sediment	171591063704A
1809297	APP21	06/02/2017 17:10:00	9029119	06/16/2017 05:16:16	CH-SWSD056-SE01 Sediment	171591063704A
1809297	APP21	06/02/2017 16:55:00	9029120	06/16/2017 05:19:22	CH-SWSD057-SE01 Sediment	171591063704A
1809297	APP21	06/02/2017 16:45:00	9029121	06/16/2017 05:22:32	CH-SWSD058-SE01 Sediment	171591063704A
1809297	APP21	06/02/2017 16:15:00	9029122	06/16/2017 04:01:17	CH-SWSD060-SE01 Sediment	171591063704A

Table: Affected Samples

Group	SDG	Collection Date	Sample Affected	Sample Analysis Date	Description 1	Batch
1809297	APP21	06/02/2017 16:15:00	9029123	06/16/2017 04:10:40	CH-SWSD060-SE01MS Sediment	171591063704A
1809297	APP21	06/02/2017 16:15:00	9029124	06/16/2017 04:13:47	CH-SWSD060-SE01MSD Sediment	171591063704A
1809297	APP21	06/02/2017 16:15:00	9029125	06/16/2017 04:07:35	CH-SWSD060-SE01DUP Sediment	171591063704A
1809297	APP21	06/02/2017 16:30:00	9029126	06/16/2017 05:25:37	CH-SWSD059-SE01 Sediment	171591063704A
1809297	APP21	06/02/2017 15:45:00	9029127	06/16/2017 05:28:43	CH-SWSD061-SE01 Sediment	171591063704A
1809297	APP21	06/03/2017 10:20:00	9029128	06/16/2017 12:35:29	CH-SWSD051-SE01 Sediment	171591063707A
1809297	APP21	06/03/2017 10:05:00	9029129	06/16/2017 12:54:06	CH-SWSD052-SE01 Sediment	171591063707A
1809297	APP21	06/03/2017 09:50:00	9029130	06/16/2017 12:57:11	CH-SWSD053-SE01 Sediment	171591063707A
1809297	APP21	06/03/2017 09:35:00	9029131	06/16/2017 13:06:27	CH-SWSD054-SE01 Sediment	171591063707A
1809297	APP21	06/03/2017 09:15:00	9029132	06/16/2017 13:09:32	CH-SWSD055-SE01 Sediment	171591063707A
1809297	APP21	06/03/2017 09:15:00	9029133	06/16/2017 13:12:37	CH-SWSD055-SE01D Sediment	171591063707A
1809297	APP21	06/03/2017 11:00:00	9029134	06/16/2017 13:15:42	CH-SWSD050-SE01 Sediment	171591063707A
1809297	APP21	06/03/2017 11:00:00	9029135	06/16/2017 13:18:48	CH-SWSD050-SE01D Sediment	171591063707A
1809297	APP21	06/03/2017 11:50:00	9029136	06/16/2017 13:21:53	CH-SWSD047-SE01 Sediment	171591063707A
1809297	APP21	06/03/2017 11:35:00	9029137	06/16/2017 13:24:57	CH-SWSD048-SE01 Sediment	171591063707A
1809297	APP21	06/03/2017 11:20:00	9029138	06/16/2017 13:28:04	CH-SWSD049-SE01 Sediment	171591063707A
1809297	APP21	06/03/2017 12:10:00	9029139	06/16/2017 13:31:09	CH-SWSD046-SE01 Sediment	171591063707A
1809297	APP21	06/03/2017 14:20:00	9029140	06/16/2017 13:34:14	CH-SWSD112-SE01 Sediment	171591063707A
1809297	APP21	06/03/2017 14:40:00	9029141	06/16/2017 13:43:29	CH-SWSD113-SE01 Sediment	171591063707A
1809297	APP21	06/03/2017 15:05:00	9029142	06/16/2017 13:46:34	CH-SWSD114-SE01 Sediment	171591063707A
1809307	APP22	06/02/2017 10:00:00	9029199	06/20/2017 08:54:19	CH-SWSD069-SW01 Water	171701063901A
1809307	APP22	06/02/2017 10:20:00	9029200	06/20/2017 08:56:09	CH-SWSD072-SW01 Water	171701063901A
1809307	APP22	06/02/2017 10:20:00	9029201	06/20/2017 09:01:37	CH-SWSD072-SW01-F Filtered Water	171701063901A

Table: Affected Samples

Group	SDG	Collection Date	Sample Affected	Sample Analysis Date	Description 1	Batch
1809307	APP22	06/02/2017 12:35:00	9029202	06/20/2017 09:03:29	CH-SWSD078-SW01 Water	171701063901A
1809307	APP22	06/02/2017 12:25:00	9029203	06/20/2017 09:05:19	CH-SWSD077-SW01 Water	171701063901A
1809307	APP22	06/02/2017 12:10:00	9029204	06/20/2017 09:07:09	CH-SWSD076-SW01 Water	171701063901A
1809307	APP22	06/02/2017 15:45:00	9029205	06/20/2017 09:08:58	CH-SWSD060-SW01 Water	171701063901A
1809307	APP22	06/02/2017 15:45:00	9029206	06/20/2017 09:10:49	CH-SWSD060-SW01D Water	171701063901A
1809307	APP22	06/02/2017 15:25:00	9029207	06/20/2017 09:12:40	CH-SWSD061-SW01 Water	171701063901A
1809307	APP22	06/02/2017 14:45:00	9029208	06/20/2017 09:14:31	CH-SWSD064-SW01 Water	171701063901A
1809307	APP22	06/02/2017 14:25:00	9029209	06/20/2017 09:16:21	CH-SWSD065-SW01 Water	171701063901A
1809307	APP22	06/02/2017 14:25:00	9029210	06/20/2017 09:18:10	CH-SWSD065-SW01D Water	171701063901A
1809307	APP22	06/02/2017 15:15:00	9029211	06/20/2017 09:23:38	CH-SWSD062-SW01 Water	171701063901A
1809307	APP22	06/02/2017 14:55:00	9029212	06/20/2017 08:43:21	CH-SWSD063-SW01 Water	171701063901A
1809307	APP22	06/02/2017 14:55:00	9029213	06/20/2017 08:48:49	CH-SWSD063-SW01MS Water	171701063901A
1809307	APP22	06/02/2017 14:55:00	9029214	06/20/2017 08:50:40	CH-SWSD063-SW01MSD Water	171701063901A
1809307	APP22	06/02/2017 14:55:00	9029215	06/20/2017 08:47:01	CH-SWSD063-SW01DUP Water	171701063901A
1809307	APP22	06/02/2017 16:50:00	9029216	06/20/2017 09:25:29	CH-SWSD056-SW01 Water	171701063901A
1809307	APP22	06/02/2017 16:35:00	9029217	06/20/2017 09:27:19	CH-SWSD057-SW01 Water	171701063901A
1809307	APP22	06/02/2017 16:00:00	9029218	06/20/2017 09:29:10	CH-SWSD059-SW01 Water	171701063901A
1809307	APP22	06/02/2017 16:20:00	9029219	06/20/2017 09:31:09	CH-SWSD058-SW01 Water	171701063901A
1809307	APP22	06/03/2017 10:15:00	9029220	06/20/2017 09:32:58	CH-SWSD051-SW01 Water	171701063901A
1809307	APP22	06/03/2017 10:00:00	9029221	06/20/2017 09:34:47	CH-SWSD052-SW01 Water	171701063901A
1810532	APP23	06/06/2017 08:55:00	9035255	06/22/2017 07:59:30	CH-SWSD044-SE01 Sediment	171591063708B
1810532	APP23	06/06/2017 08:35:00	9035256	06/22/2017 08:10:23	CH-SWSD045-SE01 Sediment	171591063708B
1810532	APP23	06/06/2017 08:35:00	9035257	06/22/2017 08:12:12	CH-SWSD045-SE01D Sediment	171591063708B

Table: Affected Samples

Group	SDG	Collection Date	Sample Affected	Sample Analysis Date	Description 1	Batch
1810532	APP23	06/06/2017 09:50:00	9035258	06/19/2017 14:08:21	CH-SWSD041-SE01 Sediment	171591063708B
1810532	APP23	06/06/2017 09:30:00	9035259	06/19/2017 14:11:25	CH-SWSD042-SE01 Sediment	171591063708B
1810532	APP23	06/06/2017 11:10:00	9035260	06/19/2017 14:14:41	CH-SWSD037-SE01 Sediment	171591063708B
1810532	APP23	06/06/2017 10:45:00	9035261	06/19/2017 14:17:46	CH-SWSD038-SE01 Sediment	171591063708B
1810532	APP23	06/06/2017 10:20:00	9035262	06/19/2017 14:20:52	CH-SWSD039-SE01 Sediment	171591063708B
1810532	APP23	06/06/2017 10:05:00	9035263	06/19/2017 14:23:58	CH-SWSD040-SE01 Sediment	171591063708B
1810532	APP23	06/06/2017 14:50:00	9035264	06/19/2017 14:27:10	CH-SWSD031-SE01 Sediment	171591063708B
1810532	APP23	06/06/2017 14:18:00	9035265	06/19/2017 14:30:15	CH-SWSD032-SE01 Sediment	171591063708B
1810532	APP23	06/06/2017 13:50:00	9035266	06/19/2017 14:33:19	CH-SWSD033-SE01 Sediment	171591063708B
1810532	APP23	06/06/2017 12:50:00	9035267	06/19/2017 14:36:24	CH-SWSD034-SE01 Sediment	171591063708B
1810532	APP23	06/06/2017 11:50:00	9035268	06/19/2017 14:45:50	CH-SWSD035-SE01 Sediment	171591063708B
1810532	APP23	06/06/2017 11:50:00	9035269	06/19/2017 14:48:55	CH-SWSD035-SE01D Sediment	171591063708B
1810532	APP23	06/06/2017 11:25:00	9035270	06/19/2017 14:52:06	CH-SWSD036-SE01 Sediment	171591063708B
1810542	APP24	06/05/2017 13:10:00	9035301	06/22/2017 17:47:00	CH-SWSD088-SW01 Water	171601063903A
1810542	APP24	06/05/2017 13:00:00	9035302	06/22/2017 17:48:51	CH-SWSD089-SW01 Water	171601063903A
1810542	APP24	06/05/2017 11:15:00	9035303	06/22/2017 17:50:42	CH-SWSD092-SW01 Water	171601063903A
1810542	APP24	06/05/2017 11:30:00	9035304	06/22/2017 17:56:11	CH-SWSD091-SW01 Water	171601063903A
1810542	APP24	06/05/2017 10:30:00	9035305	06/22/2017 17:35:51	CH-SWSD093-SW01 Water	171601063903A
1810542	APP24	06/05/2017 10:30:00	9035306	06/22/2017 17:41:31	CH-SWSD093-SW01MS Water	171601063903A
1810542	APP24	06/05/2017 10:30:00	9035307	06/22/2017 17:43:22	CH-SWSD093-SW01MSD Water	171601063903A
1810542	APP24	06/05/2017 10:30:00	9035308	06/22/2017 17:39:42	CH-SWSD093-SW01DUP Water	171601063903A
1810542	APP24	06/05/2017 11:45:00	9035309	06/22/2017 17:58:02	CH-SWSD090-SW01 Water	171601063903A
1810542	APP24	06/05/2017 09:40:00	9035310	06/22/2017 17:59:51	CH-SWSD094-SW01 Water	171601063903A

Table: Affected Samples

Group	SDG	Collection Date	Sample Affected	Sample Analysis Date	Description 1	Batch
1810542	APP24	06/05/2017 09:30:00	9035311	06/22/2017 18:01:41	CH-SWSD095-SW01 Water	171601063903A
1810542	APP24	06/05/2017 09:30:00	9035312	06/22/2017 18:03:31	CH-SWSD095-SW01D Water	171601063903A
1810542	APP24	06/05/2017 14:15:00	9035313	06/22/2017 18:05:22	CH-SWSD085-SW01 Water	171601063903A
1810542	APP24	06/05/2017 14:15:00	9035314	06/22/2017 18:07:13	CH-SWSD085-SW01D Water	171601063903A
1810542	APP24	06/05/2017 13:45:00	9035315	06/22/2017 18:09:02	CH-SWSD086-SW01 Water	171601063903A
1810542	APP24	06/05/2017 14:20:00	9035316	06/22/2017 18:10:52	CH-SWSD087-SW01 Water	171601063903A
1810542	APP24	06/05/2017 15:20:00	9035317	06/20/2017 18:35:06	CH-SWSD082-SW01 Water	171651063902A
1810542	APP24	06/05/2017 15:00:00	9035318	06/22/2017 18:12:42	CH-SWSD083-SW01 Water	171601063903A
1810542	APP24	06/05/2017 14:45:00	9035319	06/22/2017 18:18:21	CH-SWSD084-SW01 Water	171601063903A
1810542	APP24	06/05/2017 16:15:00	9035320	06/22/2017 18:20:12	CH-SWSD080-SW01 Water	171601063903A
1810542	APP24	06/05/2017 15:45:00	9035321	06/22/2017 18:22:01	CH-SWSD081-SW01 Water	171601063903A
1810542	APP24	06/05/2017 15:45:00	9035322	06/22/2017 18:23:51	CH-SWSD081-SW01D Water	171601063903A
1810542	APP24	06/06/2017 08:30:00	9035323	06/22/2017 18:25:41	CH-SWSD045-SW01 Water	171601063903A
1810542	APP24	06/06/2017 08:30:00	9035324	06/19/2017 21:17:44	CH-SWSD045-SW01D Water	171601063904A
1810542	APP24	06/06/2017 09:20:00	9035325	06/19/2017 20:58:58	CH-SWSD042-SW01 Water	171601063904A
1810542	APP24	06/06/2017 09:10:00	9035326	06/19/2017 21:20:48	CH-SWSD043-SW01 Water	171601063904A
1810542	APP24	06/06/2017 08:50:00	9035327	06/19/2017 21:30:11	CH-SWSD044-SW01 Water	171601063904A
1810542	APP24	06/06/2017 09:40:00	9035328	06/19/2017 21:33:16	CH-SWSD041-SW01 Water	171601063904A
1810542	APP24	06/06/2017 10:00:00	9035329	06/19/2017 21:36:21	CH-SWSD040-SW01 Water	171601063904A
1810542	APP24	06/06/2017 10:00:00	9035330	06/19/2017 21:39:26	CH-SWSD040-SW01D Water	171601063904A
1810542	APP24	06/06/2017 11:25:00	9035331	06/19/2017 21:42:40	CH-SWSD036-SW01 Water	171601063904A
1810542	APP24	06/06/2017 11:00:00	9035332	06/19/2017 21:45:45	CH-SWSD037-SW01 Water	171601063904A
1810542	APP24	06/06/2017 10:35:00	9035333	06/19/2017 21:48:51	CH-SWSD038-SW01 Water	171601063904A

Table: Affected Samples

Group	SDG	Collection Date	Sample Affected	Sample Analysis Date	Description 1	Batch
1810542	APP24	06/06/2017 10:15:00	9035334	06/19/2017 21:51:55	CH-SWSD039-SW01 Water	171601063904A
1810542	APP24	06/06/2017 14:45:00	9035335	06/19/2017 21:55:08	CH-SWSD031-SW01 Water	171601063904A
1810542	APP24	06/06/2017 14:45:00	9035336	06/19/2017 21:58:14	CH-SWSD031-SW01-F Filtered Water	171601063904A
1810542	APP24	06/06/2017 12:40:00	9035337	06/19/2017 22:07:39	CH-SWSD034-SW01 Water	171601063904A
1810542	APP24	06/06/2017 13:30:00	9035338	06/19/2017 22:10:44	CH-SWSD033-SW01 Water	171601063904A
1810542	APP24	06/06/2017 13:30:00	9035339	06/19/2017 22:13:49	CH-SWSD033-SW01-F Filtered Water	171601063904A
1810542	APP24	06/06/2017 13:50:00	9035340	06/19/2017 22:16:54	CH-SWSD032-SW01 Water	171601063904A
1810542	APP24	06/06/2017 13:50:00	9035341	06/19/2017 22:20:00	CH-SWSD032-SW01-F Filtered Water	171601063904A
1810542	APP24	06/06/2017 11:40:00	9035342	06/19/2017 22:23:05	CH-SWSD035-SW01 Water	171601063904A
1810542	APP24	06/06/2017 11:40:00	9035343	06/19/2017 22:26:10	CH-SWSD035-SW01D Water	171601063904A
1810542	APP24	06/06/2017 11:40:00	9035344	06/20/2017 18:38:24	CH-SWSD035-SW01-F Filtered Water	171651063902A
1810542	APP24	06/06/2017 11:40:00	9035345	06/20/2017 18:47:40	CH-SWSD035-SW01D-F Filtered Water	171651063902A
1810542	APP24	06/06/2017 16:00:00	9035346	06/20/2017 18:16:29	CH-SWSD112-SW01 Water	171651063902A
1811790	APP25	06/06/2017 16:05:00	9040741	06/21/2017 16:33:40	CH-SWSD119-SE01 Sediment	171641063704A
1811790	APP25	06/06/2017 16:20:00	9040742	06/21/2017 16:36:54	CH-SWSD120-SE01 Sediment	171641063704A
1811790	APP25	06/06/2017 16:30:00	9040743	06/21/2017 16:46:10	CH-SWSD121-SE01 Sediment	171641063704A
1811790	APP25	06/06/2017 16:35:00	9040744	06/21/2017 16:49:22	CH-SWSD122-SE01 Sediment	171641063704A
1811790	APP25	06/06/2017 16:45:00	9040745	06/23/2017 07:13:40	CH-SWSD123-SE01 Sediment	171641063704A
1811790	APP25	06/06/2017 16:50:00	9040746	06/21/2017 16:55:33	CH-SWSD124-SE01 Sediment	171641063704A
1811790	APP25	06/06/2017 17:10:00	9040747	06/21/2017 16:15:01	CH-SWSD125-SE01 Sediment	171641063704A
1811790	APP25	06/06/2017 17:10:00	9040748	06/21/2017 16:24:25	CH-SWSD125-SE01MS Sediment	171641063704A
1811790	APP25	06/06/2017 17:10:00	9040749	06/21/2017 16:27:30	CH-SWSD125-SE01MSD Sediment	171641063704A
1811790	APP25	06/06/2017 17:10:00	9040750	06/21/2017 16:21:13	CH-SWSD125-SE01DUP Sediment	171641063704A

Table: Affected Samples

Group	SDG	Collection Date	Sample Affected	Sample Analysis Date	Description 1	Batch
1811790	APP25	06/06/2017 15:45:00	9040751	06/21/2017 16:58:38	CH-SWSD115-SE01 Sediment	171641063704A
1811790	APP25	06/06/2017 15:45:00	9040752	06/21/2017 17:01:52	CH-SWSD115-SE01D Sediment	171641063704A
1811790	APP25	06/07/2017 08:50:00	9040755	06/21/2017 17:04:58	CH-SWSD116-SE01 Sediment	171641063704A
1811790	APP25	06/07/2017 08:35:00	9040756	06/21/2017 17:08:03	CH-SWSD117-SE01 Sediment	171641063704A
1811790	APP25	06/07/2017 08:25:00	9040757	06/21/2017 17:11:08	CH-SWSD118-SE01 Sediment	171641063704A
1811790	APP25	06/07/2017 09:50:00	9040758	06/23/2017 07:17:18	CH-SWSD139-SE01 Sediment	171641063704A
1811790	APP25	06/07/2017 09:35:00	9040759	06/21/2017 17:23:30	CH-SWSD140-SE01 Sediment	171641063704A
1811790	APP25	06/07/2017 10:10:00	9040760	06/21/2017 17:26:46	CH-SWSD138-SE01 Sediment	171641063704A
1811790	APP25	06/07/2017 10:25:00	9040761	06/23/2017 07:19:07	CH-SWSD137-SE01 Sediment	171641063704A
1811790	APP25	06/07/2017 13:15:00	9040762	06/23/2017 07:20:56	CH-SWSD129-SE01 Sediment	171641063704A
1811790	APP25	06/07/2017 10:55:00	9040763	06/23/2017 07:22:45	CH-SWSD136-SE01 Sediment	171641063704A
1811790	APP25	06/07/2017 10:55:00	9040764	06/21/2017 13:55:01	CH-SWSD136-SE01D Sediment	171641063705A
1811790	APP25	06/07/2017 11:10:00	9040765	06/21/2017 13:58:07	CH-SWSD135-SE01 Sediment	171641063705A
1811790	APP25	06/07/2017 11:30:00	9040766	06/21/2017 14:07:30	CH-SWSD134-SE01 Sediment	171641063705A
1811790	APP25	06/07/2017 12:50:00	9040767	06/21/2017 13:36:19	CH-SWSD131-SE01 Sediment	171641063705A
1811790	APP25	06/07/2017 12:50:00	9040768	06/21/2017 13:45:44	CH-SWSD131-SE01MS Sediment	171641063705A
1811790	APP25	06/07/2017 12:50:00	9040769	06/21/2017 13:48:50	CH-SWSD131-SE01MSD Sediment	171641063705A
1811790	APP25	06/07/2017 12:50:00	9040770	06/21/2017 13:42:38	CH-SWSD131-SE01DUP Sediment	171641063705A
1811790	APP25	06/07/2017 13:10:00	9040771	06/21/2017 14:10:36	CH-SWSD130-SE01 Sediment	171641063705A
1811790	APP25	06/07/2017 11:55:00	9040772	06/21/2017 14:13:42	CH-SWSD132-SE01 Sediment	171641063705A
1811790	APP25	06/07/2017 11:45:00	9040773	06/21/2017 14:16:47	CH-SWSD133-SE01 Sediment	171641063705A
1811790	APP25	06/07/2017 13:40:00	9040774	06/21/2017 14:19:52	CH-SWSD127-SE01 Sediment	171641063705A
1811790	APP25	06/07/2017 13:30:00	9040775	06/21/2017 14:22:58	CH-SWSD128-SE01 Sediment	171641063705A

Table: Affected Samples

Group	SDG	Collection Date	Sample Affected	Sample Analysis Date	Description 1	Batch
1811790	APP25	06/07/2017 13:50:00	9040776	06/21/2017 14:26:04	CH-SWSD126-SE01 Sediment	171641063705A
1811790	APP25	06/07/2017 13:50:00	9040777	06/21/2017 14:29:08	CH-SWSD126-SE01D Sediment	171641063705A
1811790	APP25	06/07/2017 14:55:00	9040778	06/21/2017 14:32:24	CH-SWSD027-SE01 Sediment	171641063705A
1811790	APP25	06/07/2017 15:00:00	9040779	06/21/2017 14:35:29	CH-SWSD028-SE01 Sediment	171641063705A
1811790	APP25	06/08/2017 10:25:00	9040780	06/21/2017 14:44:52	CH-SWSD016-SE01 Sediment	171641063705A
1811790	APP25	06/08/2017 10:10:00	9040781	06/21/2017 14:47:58	CH-SWSD017-SE01 Sediment	171641063705A
1811790	APP25	06/08/2017 09:40:00	9040782	06/21/2017 14:51:04	CH-SWSD018-SE01 Sediment	171641063705A
1811790	APP25	06/08/2017 08:45:00	9040783	06/21/2017 14:54:09	CH-SWSD096-SE01 Sediment	171641063705A
1811790	APP25	06/08/2017 08:35:00	9040784	06/21/2017 14:57:13	CH-SWSD097-SE01 Sediment	171641063705A
1811790	APP25	06/07/2017 17:00:00	9040785	06/20/2017 15:59:31	CH-SWSD099-SE01 Sediment	171641063710A
1811790	APP25	06/07/2017 17:00:00	9040786	06/20/2017 16:08:54	CH-SWSD099-SE01MS Sediment	171641063710A
1811790	APP25	06/07/2017 17:00:00	9040787	06/20/2017 16:11:58	CH-SWSD099-SE01MSD Sediment	171641063710A
1811790	APP25	06/07/2017 17:00:00	9040788	06/20/2017 16:05:39	CH-SWSD099-SE01DUP Sediment	171641063710A
1811790	APP25	06/07/2017 16:20:00	9040789	06/20/2017 16:18:08	CH-SWSD100-SE01 Sediment	171641063710A
1811790	APP25	06/07/2017 15:15:00	9040790	06/20/2017 16:21:21	CH-SWSD029-SE01 Sediment	171641063710A
1811790	APP25	06/07/2017 15:30:00	9040791	06/20/2017 16:30:37	CH-SWSD030-SE01 Sediment	171641063710A
1811790	APP25	06/07/2017 15:30:00	9040792	06/20/2017 16:33:43	CH-SWSD030-SE01D Sediment	171641063710A
1811790	APP25	06/08/2017 08:20:00	9040793	06/20/2017 16:36:49	CH-SWSD098-SE01 Sediment	171641063710A
1811790	APP25	06/08/2017 10:45:00	9040794	06/20/2017 16:39:55	CH-SWSD003-SE01 Sediment	171641063710A
1811790	APP25	06/08/2017 11:45:00	9040795	06/20/2017 16:42:59	CH-SWSD001-SE01 Sediment	171641063710A
1811790	APP25	06/08/2017 11:15:00	9040796	06/20/2017 16:46:13	CH-SWSD002-SE01 Sediment	171641063710A
1811790	APP25	06/08/2017 13:30:00	9040797	06/20/2017 16:49:17	CH-SWSD019-SE01 Sediment	171641063710A
1811790	APP25	06/08/2017 14:30:00	9040798	06/20/2017 16:52:22	CH-SWSD021-SE01 Sediment	171641063710A

Table: Affected Samples

Group	SDG	Collection Date	Sample Affected	Sample Analysis Date	Description 1	Batch
1811790	APP25	06/08/2017 15:00:00	9040799	06/20/2017 16:55:26	CH-SWSD022-SE01 Sediment	171641063710A
1811790	APP25	06/08/2017 13:05:00	9040800	06/19/2017 16:12:39	CH-SWSD020-SE01 Sediment	171651063701A
1811790	APP25	06/08/2017 13:05:00	9040801	06/19/2017 16:25:10	CH-SWSD020-SE01MS Sediment	171651063701A
1811790	APP25	06/08/2017 13:05:00	9040802	06/19/2017 16:28:14	CH-SWSD020-SE01MSD Sediment	171651063701A
1811790	APP25	06/08/2017 13:05:00	9040803	06/19/2017 16:22:04	CH-SWSD020-SE01DUP Sediment	171651063701B
1811790	APP25	06/08/2017 14:00:00	9040804	06/19/2017 16:34:26	CH-SWSD023-SE01 Sediment	171651063701A
1811806	APP26	06/07/2017 10:05:00	9040841	06/20/2017 00:05:42	CH-SWSD136-SW01 Water	171631063901A
1811806	APP26	06/07/2017 09:50:00	9040842	06/20/2017 00:08:48	CH-SWSD137-SW01 Water	171631063901A
1811806	APP26	06/07/2017 09:20:00	9040843	06/20/2017 00:17:53	CH-SWSD138-SW01 Water	171631063901A
1811806	APP26	06/07/2017 08:50:00	9040844	06/20/2017 00:21:00	CH-SWSD139-SW01 Water	171631063901A
1811806	APP26	06/07/2017 08:30:00	9040845	06/19/2017 23:47:10	CH-SWSD140-SW01 Water	171631063901A
1811806	APP26	06/07/2017 08:30:00	9040846	06/19/2017 23:56:10	CH-SWSD140-SW01MS Water	171631063901A
1811806	APP26	06/07/2017 08:30:00	9040847	06/19/2017 23:59:27	CH-SWSD140-SW01MSD Water	171631063901A
1811806	APP26	06/07/2017 08:30:00	9040848	06/19/2017 23:53:03	CH-SWSD140-SW01DUP Water	171631063901A
1811806	APP26	06/07/2017 10:20:00	9040849	06/20/2017 00:24:17	CH-SWSD134-SW01 Water	171631063901A
1811806	APP26	06/07/2017 10:15:00	9040850	06/20/2017 00:27:23	CH-SWSD135-SW01 Water	171631063901A
1811806	APP26	06/07/2017 10:15:00	9040851	06/20/2017 00:30:29	CH-SWSD135-SW01D Water	171631063901A
1811806	APP26	06/07/2017 13:15:00	9040852	06/20/2017 00:33:34	CH-SWSD127-SW01 Water	171631063901A
1811806	APP26	06/07/2017 13:00:00	9040853	06/20/2017 00:36:48	CH-SWSD128-SW01 Water	171631063901A
1811806	APP26	06/07/2017 11:55:00	9040854	06/20/2017 00:39:55	CH-SWSD129-SW01 Water	171631063901A
1811806	APP26	06/07/2017 11:55:00	9040855	06/20/2017 00:43:01	CH-SWSD129-SW01D Water	171631063901A
1811806	APP26	06/07/2017 11:00:00	9040856	06/20/2017 00:46:07	CH-SWSD132-SW01 Water	171631063901A
1811806	APP26	06/07/2017 10:45:00	9040857	06/20/2017 00:55:34	CH-SWSD133-SW01 Water	171631063901A

Table: Affected Samples

Group	SDG	Collection Date	Sample Affected	Sample Analysis Date	Description 1	Batch
1811806	APP26	06/07/2017 11:45:00	9040858	06/20/2017 00:58:40	CH-SWSD130-SW01 Water	171631063901A
1811806	APP26	06/07/2017 11:30:00	9040859	06/20/2017 01:01:52	CH-SWSD131-SW01 Water	171631063901A
1811806	APP26	06/07/2017 13:30:00	9040860	06/20/2017 01:05:00	CH-SWSD126-SW01 Water	171631063901A
1811806	APP26	06/07/2017 15:00:00	9040861	06/20/2017 01:08:06	CH-SWSD030-SW01 Water	171631063901A
1811806	APP26	06/07/2017 14:10:00	9040862	06/20/2017 01:11:12	CH-SWSD027-SW01 Water	171631063901A
1811806	APP26	06/07/2017 14:25:00	9040863	06/20/2017 01:14:20	CH-SWSD028-SW01 Water	171631063901A
1811806	APP26	06/07/2017 14:45:00	9040864	06/20/2017 20:08:31	CH-SWSD029-SW01 Water	171631063905A
1811806	APP26	06/07/2017 17:00:00	9040865	06/20/2017 20:27:07	CH-SWSD098-SW01 Water	171631063905A
1811806	APP26	06/07/2017 17:00:00	9040866	06/20/2017 20:30:19	CH-SWSD098-SW01-F Filtered Water	171631063905A
1811806	APP26	06/07/2017 16:25:00	9040867	06/20/2017 20:39:34	CH-SWSD099-SW01 Water	171631063905A
1811806	APP26	06/07/2017 16:10:00	9040868	06/20/2017 20:42:48	CH-SWSD100-SW01 Water	171631063905A
1811806	APP26	06/07/2017 16:10:00	9040869	06/20/2017 20:45:53	CH-SWSD100-SW01D Water	171631063905A
1811806	APP26	06/08/2017 10:40:00	9040870	06/20/2017 20:48:59	CH-SWSD003-SW01 Water	171631063905A
1811806	APP26	06/08/2017 10:15:00	9040871	06/20/2017 20:52:05	CH-SWSD016-SW01 Water	171631063905A
1811806	APP26	06/08/2017 09:55:00	9040872	06/20/2017 20:55:17	CH-SWSD017-SW01 Water	171631063905A
1811806	APP26	06/08/2017 09:30:00	9040873	06/20/2017 20:58:22	CH-SWSD018-SW01 Water	171631063905A
1811806	APP26	06/08/2017 11:00:00	9040874	06/20/2017 21:01:28	CH-SWSD002-SW01 Water	171631063905A
1811806	APP26	06/08/2017 11:00:00	9040875	06/20/2017 21:04:32	CH-SWSD002-SW01-F Filtered Water	171631063905A
1811806	APP26	06/08/2017 13:15:00	9040876	06/20/2017 21:07:48	CH-SWSD019-SW01 Water	171631063905A
1811806	APP26	06/08/2017 14:15:00	9040877	06/20/2017 21:17:02	CH-SWSD021-SW01 Water	171631063905A
1811806	APP26	06/08/2017 11:20:00	9040878	06/20/2017 21:20:07	CH-SWSD001-SW01 Water	171631063905A
1811806	APP26	06/08/2017 13:00:00	9040879	06/20/2017 21:23:12	CH-SWSD020-SW01 Water	171631063905A
1811806	APP26	06/08/2017 13:40:00	9040880	06/20/2017 21:26:17	CH-SWSD023-SW01 Water	171631063905A

Table: Affected Samples

Group	SDG	Collection Date	Sample Affected	Sample Analysis Date	Description 1	Batch
1811806	APP26	06/08/2017 14:30:00	9040881	06/20/2017 21:29:23	CH-SWSD022-SW01 Water	171631063905A
1812356	APP27	06/09/2017 10:00:00	9043996	07/11/2017 09:33:38	CH-SWSD004-SE01 Sediment	171641063711A
1812356	APP27	06/09/2017 09:40:00	9043997	07/11/2017 09:35:20	CH-SWSD005-SE01 Sediment	171641063711A
1812356	APP27	06/09/2017 09:20:00	9043998	07/11/2017 09:40:25	CH-SWSD006-SE01 Sediment	171641063711A
1812356	APP27	06/09/2017 09:10:00	9043999	07/11/2017 09:42:06	CH-SWSD007-SE01 Sediment	171641063711A
1812356	APP27	06/09/2017 11:50:00	9044000	07/11/2017 09:43:48	CH-SWSD154-SE01 Sediment	171641063711A
1812356	APP27	06/09/2017 11:30:00	9044001	07/11/2017 09:23:29	CH-SWSD155-SE01 Sediment	171641063711A
1812356	APP27	06/09/2017 11:30:00	9044002	07/11/2017 09:28:35	CH-SWSD155-SE01MS Sediment	171641063711A
1812356	APP27	06/09/2017 11:30:00	9044003	07/11/2017 09:30:16	CH-SWSD155-SE01MSD Sediment	171641063711A
1812356	APP27	06/09/2017 11:30:00	9044004	07/11/2017 09:26:53	CH-SWSD155-SE01DUP Sediment	171641063711A
1812356	APP27	06/09/2017 13:00:00	9044005	07/11/2017 09:45:33	CH-SWSD150-SE01 Sediment	171641063711A
1812356	APP27	06/09/2017 13:30:00	9044006	07/11/2017 09:47:14	CH-SWSD153-SE01 Sediment	171641063711A
1812356	APP27	06/09/2017 15:20:00	9044007	07/11/2017 09:48:57	CH-SWSD147-SE01 Sediment	171641063711A
1812356	APP27	06/09/2017 15:13:00	9044008	07/11/2017 09:50:38	CH-SWSD148-SE01 Sediment	171641063711A
1812356	APP27	06/09/2017 14:45:00	9044009	07/11/2017 09:52:19	CH-SWSD149-SE01 Sediment	171641063711A
1812356	APP27	06/09/2017 14:15:00	9044010	07/11/2017 09:54:01	CH-SWSD151-SE01 Sediment	171641063711A
1812356	APP27	06/09/2017 14:00:00	9044011	07/11/2017 09:55:43	CH-SWSD152-SE01 Sediment	171641063711A
1812356	APP27	06/09/2017 17:15:00	9044012	07/11/2017 10:00:45	CH-SWSD141-SE01 Sediment	171641063711A
1812356	APP27	06/09/2017 17:00:00	9044013	07/11/2017 10:02:26	CH-SWSD142-SE01 Sediment	171641063711A
1812356	APP27	06/09/2017 16:45:00	9044014	07/11/2017 10:04:09	CH-SWSD143-SE01 Sediment	171641063711A
1812356	APP27	06/09/2017 16:30:00	9044015	07/11/2017 10:05:50	CH-SWSD144-SE01 Sediment	171641063711A
1812431	APP28	06/09/2017 09:50:00	9044236	06/20/2017 23:09:07	CH-SWSD004-SW01 Water	171641063901A
1812431	APP28	06/09/2017 09:30:00	9044237	06/20/2017 23:12:14	CH-SWSD005-SW01 Water	171641063901A

Table: Affected Samples

Group	SDG	Collection Date	Sample Affected	Sample Analysis Date	Description 1	Batch
1812431	APP28	06/09/2017 09:15:00	9044238	06/20/2017 23:21:30	CH-SWSD006-SW01 Water	171641063901A
1812431	APP28	06/09/2017 08:50:00	9044239	06/20/2017 23:24:44	CH-SWSD007-SW01 Water	171641063901A
1812431	APP28	06/09/2017 11:45:00	9044240	06/20/2017 23:27:52	CH-SWSD154-SW01 Water	171641063901A
1812431	APP28	06/09/2017 11:45:00	9044241	06/21/2017 21:42:50	CH-SWSD154-SW01-F Filtered Water	171641063902A
1812431	APP28	06/09/2017 11:15:00	9044242	06/20/2017 23:31:00	CH-SWSD155-SW01 Water	171641063901A
1812431	APP28	06/09/2017 11:15:00	9044243	06/21/2017 21:45:58	CH-SWSD155-SW01-F Filtered Water	171641063902A
1812431	APP28	06/09/2017 12:30:00	9044244	06/20/2017 23:34:06	CH-SWSD010-SW01 Water	171641063901A
1812431	APP28	06/09/2017 13:30:00	9044245	06/20/2017 23:37:13	CH-SWSD014-SW01 Water	171641063901A
1812431	APP28	06/09/2017 13:45:00	9044246	06/20/2017 23:40:19	CH-SWSD015-SW01 Water	171641063901A
1812431	APP28	06/09/2017 12:00:00	9044247	06/20/2017 23:43:24	CH-SWSD150-SW01 Water	171641063901A
1812431	APP28	06/09/2017 12:00:00	9044248	06/21/2017 21:55:33	CH-SWSD150-SW01-F Filtered Water	171641063902A
1812431	APP28	06/09/2017 12:45:00	9044249	06/21/2017 21:23:48	CH-SWSD153-SW01-F Filtered Water	171641063902A
1812431	APP28	06/09/2017 12:45:00	9044250	06/21/2017 21:33:17	CH-SWSD153-SW01MS-F Filtered Water	171641063902A
1812431	APP28	06/09/2017 12:45:00	9044251	06/21/2017 21:36:29	CH-SWSD153-SW01MSD-F Filtered Water	171641063902A
1812431	APP28	06/09/2017 12:45:00	9044252	06/21/2017 21:30:06	CH-SWSD153-SW01DUP-F Filtered Water	171641063902A
1812431	APP28	06/09/2017 12:45:00	9044253	06/20/2017 22:50:24	CH-SWSD153-SW01 Water	171641063901A
1812431	APP28	06/09/2017 12:45:00	9044254	06/20/2017 22:59:50	CH-SWSD153-SW01MS Water	171641063901A
1812431	APP28	06/09/2017 12:45:00	9044255	06/20/2017 23:02:57	CH-SWSD153-SW01MSD Water	171641063901A
1812431	APP28	06/09/2017 12:45:00	9044256	06/20/2017 22:56:34	CH-SWSD153-SW01DUP Water	171641063901A
1812431	APP28	06/09/2017 13:30:00	9044257	06/20/2017 23:46:31	CH-SWSD152-SW01 Water	171641063901A
1812431	APP28	06/09/2017 13:30:00	9044258	06/21/2017 21:58:48	CH-SWSD152-SW01-F Filtered Water	171641063902A
1812431	APP28	06/09/2017 15:15:00	9044259	06/20/2017 23:49:39	CH-SWSD147-SW01 Water	171641063901A
1812431	APP28	06/09/2017 14:30:00	9044260	06/20/2017 23:58:55	CH-SWSD149-SW01 Water	171641063901A

Table: Affected Samples

Group	SDG	Collection Date	Sample Affected	Sample Analysis Date	Description 1	Batch
1812431	APP28	06/09/2017 14:00:00	9044261	06/21/2017 00:02:11	CH-SWSD151-SW01 Water	171641063901A
1812431	APP28	06/09/2017 14:00:00	9044262	06/21/2017 22:01:59	CH-SWSD151-SW01-F Filtered Water	171641063902A
1812431	APP28	06/09/2017 15:10:00	9044263	06/21/2017 00:05:16	CH-SWSD148-SW01 Water	171641063901A
1812431	APP28	06/09/2017 15:30:00	9044264	06/21/2017 00:08:24	CH-SWSD008-SW01 Water	171641063901A
1812431	APP28	06/09/2017 15:45:00	9044265	06/21/2017 00:11:30	CH-SWSD009-SW01 Water	171641063901A
1812431	APP28	06/09/2017 17:00:00	9044266	06/21/2017 00:14:36	CH-SWSD141-SW01 Water	171641063901A
1812431	APP28	06/09/2017 16:45:00	9044267	06/21/2017 00:17:44	CH-SWSD142-SW01 Water	171641063901A
1812431	APP28	06/09/2017 16:15:00	9044268	06/21/2017 22:05:06	CH-SWSD144-SW01 Water	171641063902A
1812431	APP28	06/09/2017 16:00:00	9044269	06/21/2017 22:08:16	CH-SWSD145-SW01 Water	171641063902A
1812431	APP28	06/09/2017 16:00:00	9044270	06/21/2017 19:28:01	CH-SWSD145-SW01D Water	171641063903A
1812431	APP28	06/09/2017 16:30:00	9044271	06/21/2017 19:09:18	CH-SWSD143-SW01 Water	171641063903A
1812431	APP28	06/09/2017 16:30:00	9044272	06/21/2017 19:18:45	CH-SWSD143-SW01MS Water	171641063903A
1812431	APP28	06/09/2017 16:30:00	9044273	06/21/2017 19:21:51	CH-SWSD143-SW01MSD Water	171641063903A
1812431	APP28	06/09/2017 16:30:00	9044274	06/21/2017 19:15:30	CH-SWSD143-SW01DUP Water	171641063903A
1812431	APP28	06/10/2017 08:40:00	9044275	06/21/2017 19:31:12	CH-SWSD024-SW01 Water	171641063903A
1812431	APP28	06/10/2017 10:05:00	9044276	06/21/2017 19:40:29	CH-SWSD025-SW01 Water	171641063903A
1812431	APP28	06/10/2017 09:15:00	9044277	06/21/2017 19:43:42	CH-SWSD026-SW01 Water	171641063903A
1812431	APP28	06/10/2017 11:20:00	9044278	06/21/2017 19:46:48	CH-SWSD011-SW01 Water	171641063903A
1812431	APP28	06/10/2017 12:15:00	9044279	06/21/2017 19:49:54	EB-061017-01 Water	171641063903A
1812431	APP28	06/10/2017 12:15:00	9044280	06/21/2017 19:52:59	EB-061017-02 Water	171641063903A
1812431	APP28	06/10/2017 11:00:00	9044281	06/21/2017 19:56:05	CH-SWSD012-SW01 Water	171641063903A
1812431	APP28	06/10/2017 10:45:00	9044282	07/03/2017 02:13:00	CH-SWSD013-SW01 Water	171641063903A
1812431	APP28	06/10/2017 15:30:00	9044283	06/21/2017 20:02:17	CH-SWSD146-SW01 Water	171641063903A

Table: Affected Samples

Group	SDG	Collection Date	Sample Affected	Sample Analysis Date	Description 1	Batch
1813593	APP29	06/12/2017 12:25:00	9049509	07/17/2017 09:36:58	DU06-S008-01-10 Soil	171711063701A
1813593	APP29	06/12/2017 12:25:00	9049510	07/17/2017 09:45:10	DU06-S008-01-10MS Soil	171711063701A
1813593	APP29	06/12/2017 12:25:00	9049511	07/17/2017 09:47:54	DU06-S008-01-10MSD Soil	171711063701A
1813593	APP29	06/12/2017 12:25:00	9049512	07/17/2017 09:42:26	DU06-S008-01-10DUP Soil	171711063701A
1813593	APP29	06/12/2017 10:15:00	9049513	07/17/2017 09:53:22	DU06-S003-00-01 Soil	171711063701A
1813593	APP29	06/12/2017 10:30:00	9049514	07/17/2017 10:01:34	DU06-S003-01-10 Soil	171711063701A
1813593	APP29	06/12/2017 10:30:00	9049515	07/17/2017 10:04:18	DU06-S003-01-10D Soil	171711063701A
1813593	APP29	06/12/2017 09:30:00	9049516	07/17/2017 10:07:02	DU06-S004-00-01 Soil	171711063701A
1813593	APP29	06/12/2017 10:00:00	9049517	07/12/2017 06:57:06	DU06-S004-01-10 Soil	171711063705A
1813593	APP29	06/12/2017 10:00:00	9049518	07/12/2017 07:02:33	DU06-S004-01-10MS Soil	171711063705A
1813593	APP29	06/12/2017 10:00:00	9049519	07/12/2017 07:04:22	DU06-S004-01-10MSD Soil	171711063705A
1813593	APP29	06/12/2017 10:00:00	9049520	07/12/2017 07:00:44	DU06-S004-01-10DUP Soil	171711063705A
1813593	APP29	06/12/2017 10:40:00	9049521	07/12/2017 07:08:01	DU06-S002-00-01 Soil	171711063705A
1813593	APP29	06/12/2017 10:50:00	9049522	07/20/2017 08:49:38	DU06-S002-01-10 Soil	171711063706A
1813593	APP29	06/12/2017 10:50:00	9049523	07/20/2017 08:55:04	DU06-S002-01-10MS Soil	171711063706A
1813593	APP29	06/12/2017 10:50:00	9049524	07/20/2017 08:56:52	DU06-S002-01-10MSD Soil	171711063706A
1813593	APP29	06/12/2017 10:50:00	9049525	07/20/2017 08:53:15	DU06-S002-01-10DUP Soil	171711063706A
1813593	APP29	06/12/2017 13:20:00	9049526	07/20/2017 09:00:30	DU06-S011-00-01 Soil	171711063706A
1813593	APP29	06/12/2017 13:25:00	9049527	07/20/2017 09:02:19	DU06-S011-01-10 Soil	171711063706A
1813593	APP29	06/12/2017 13:25:00	9049528	07/20/2017 09:07:44	DU06-S011-01-10D Soil	171711063706A
1813593	APP29	06/12/2017 15:20:00	9049529	07/20/2017 09:09:33	DU06-S015-00-01 Soil	171711063706A
1813593	APP29	06/12/2017 15:25:00	9049530	07/18/2017 06:52:44	DU06-S015-01-10 Soil	171711063707A
1813593	APP29	06/12/2017 15:25:00	9049531	07/18/2017 06:58:15	DU06-S015-01-10MS Soil	171711063707A

Table: Affected Samples

Group	SDG	Collection Date	Sample Affected	Sample Analysis Date	Description 1	Batch
1813593	APP29	06/12/2017 15:25:00	9049532	07/18/2017 07:00:05	DU06-S015-01-10MSD Soil	171711063707A
1813593	APP29	06/12/2017 15:25:00	9049533	07/18/2017 06:56:25	DU06-S015-01-10DUP Soil	171711063707A
1813593	APP29	06/12/2017 15:00:00	9049534	07/18/2017 07:07:25	DU06-S014-00-01 Soil	171711063707A
1813593	APP29	06/12/2017 15:05:00	9049535	07/18/2017 07:09:16	DU06-S014-01-10 Soil	171711063707A
1813593	APP29	06/12/2017 14:05:00	9049536	07/18/2017 07:11:05	DU06-S009-00-01 Soil	171711063707A
1813593	APP29	06/12/2017 14:10:00	9049537	07/18/2017 07:12:54	DU06-S009-01-10 Soil	171711063707A
1813598	APP30	06/12/2017 14:25:00	9049583	07/18/2017 07:14:43	DU06-S013-00-01 Soil	171711063707A
1813603	APP31	06/13/2017 09:00:00	9049619	07/13/2017 15:20:39	DU05-S006-00-01 Soil	171721063705A
1813603	APP31	06/13/2017 09:05:00	9049620	07/13/2017 15:23:44	DU05-S006-01-10 Soil	171721063705A
1813603	APP31	06/13/2017 09:05:00	9049621	07/13/2017 15:32:58	DU05-S006-01-10D Soil	171721063705A
1813603	APP31	06/13/2017 11:10:00	9049622	07/13/2017 15:36:04	DU05-S015-00-01 Soil	171721063705A
1813603	APP31	06/13/2017 11:15:00	9049623	07/17/2017 11:12:54	DU05-S015-01-02 Soil	171721063705A
1813603	APP31	06/13/2017 08:30:00	9049624	07/13/2017 15:42:13	DU05-S002-00-01 Soil	171721063705A
1813603	APP31	06/13/2017 08:35:00	9049625	07/13/2017 15:45:19	DU05-S002-01-10 Soil	171721063705A
1813603	APP31	06/13/2017 08:35:00	9049626	07/13/2017 15:48:24	DU05-S002-01-10D Soil	171721063705A
1813603	APP31	06/13/2017 09:15:00	9049627	07/13/2017 15:51:30	DU05-S009-00-01 Soil	171721063705A
1813603	APP31	06/13/2017 09:20:00	9049628	07/13/2017 15:54:35	DU05-S009-01-05 Soil	171721063705A
1813603	APP31	06/13/2017 10:45:00	9049629	07/17/2017 11:26:28	DU05-S007-00-01 Soil	171721063705A
1813603	APP31	06/13/2017 10:50:00	9049630	07/13/2017 16:00:48	DU05-S007-01-02 Soil	171721063705A
1813603	APP31	06/13/2017 08:40:00	9049631	07/13/2017 16:10:01	DU05-S005-00-01 Soil	171721063705A
1813603	APP31	06/13/2017 08:45:00	9049632	07/13/2017 16:13:06	DU05-S005-01-10 Soil	171721063705A
1813603	APP31	06/13/2017 08:50:00	9049633	07/13/2017 16:16:10	DU05-S010-00-01 Soil	171721063705A
1813603	APP31	06/13/2017 08:55:00	9049634	07/13/2017 16:19:15	DU05-S010-01-10 Soil	171721063705A

Table: Affected Samples

Group	SDG	Collection Date	Sample Affected	Sample Analysis Date	Description 1	Batch
1813603	APP31	06/13/2017 08:55:00	9049635	07/17/2017 11:36:37	DU05-S010-01-10D Soil	171721063705A
1813603	APP31	06/13/2017 10:30:00	9049636	07/13/2017 16:25:26	DU05-S003-00-01 Soil	171721063705A
1813603	APP31	06/13/2017 10:35:00	9049637	07/17/2017 10:52:35	DU05-S003-01-02 Soil	171721063705A
1813603	APP31	06/13/2017 10:35:00	9049638	07/17/2017 10:57:40	DU05-S003-01-02MS Soil	171721063705A
1813603	APP31	06/13/2017 10:35:00	9049639	07/17/2017 10:59:22	DU05-S003-01-02MSD Soil	171721063705A
1813603	APP31	06/13/2017 10:35:00	9049640	07/17/2017 10:55:59	DU05-S003-01-02DUP Soil	171721063705A
1813603	APP31	06/13/2017 08:15:00	9049641	07/19/2017 11:45:00	DU05-S001-00-01 Soil	171741063702A
1813603	APP31	06/13/2017 08:25:00	9049642	07/19/2017 11:50:34	DU05-S001-01-10 Soil	171741063702A
1813603	APP31	06/13/2017 11:00:00	9049643	07/19/2017 11:52:23	DU05-S011-00-01 Soil	171741063702A
1813603	APP31	06/13/2017 11:05:00	9049644	07/19/2017 11:34:08	DU05-S011-01-03 Soil	171741063702A
1813603	APP31	06/13/2017 11:05:00	9049645	07/19/2017 11:39:33	DU05-S011-01-03MS Soil	171741063702A
1813603	APP31	06/13/2017 11:05:00	9049646	07/19/2017 11:41:22	DU05-S011-01-03MSD Soil	171741063702A
1813603	APP31	06/13/2017 11:05:00	9049647	07/19/2017 11:37:45	DU05-S011-01-03DUP Soil	171741063702A
1814697	APP34	06/15/2017 12:30:00	9054976	07/19/2017 11:54:12	DU04-S001-00-01 Soil	171741063702A
1814697	APP34	06/15/2017 12:40:00	9054977	07/19/2017 11:56:01	DU04-S002-00-01 Soil	171741063702A
1814697	APP34	06/15/2017 12:50:00	9054978	07/19/2017 11:57:50	DU04-S003-00-01 Soil	171741063702A
1814697	APP34	06/15/2017 12:50:00	9054979	07/19/2017 11:59:39	DU04-S003-00-01D Soil	171741063702A
1814697	APP34	06/15/2017 13:00:00	9054980	07/19/2017 12:01:27	DU04-S004-00-01 Soil	171741063702A
1814697	APP34	06/15/2017 13:10:00	9054981	07/19/2017 12:03:16	DU04-S005-00-01 Soil	171741063702A
1814697	APP34	06/15/2017 13:20:00	9054982	07/19/2017 12:05:05	DU04-S006-00-01 Soil	171741063702A
1814697	APP34	06/15/2017 13:30:00	9054983	07/19/2017 12:06:54	DU04-S007-00-01 Soil	171741063702A
1814697	APP34	06/15/2017 13:40:00	9054984	07/19/2017 12:12:19	DU04-S008-00-01 Soil	171741063702A
1814697	APP34	06/15/2017 13:40:00	9054985	07/19/2017 12:14:08	DU04-S008-00-01D Soil	171741063702A

Table: Affected Samples

Group	SDG	Collection Date	Sample Affected	Sample Analysis Date	Description 1	Batch
1814697	APP34	06/15/2017 13:50:00	9054986	07/19/2017 12:15:58	DU04-S009-00-01 Soil	171741063702A
1814697	APP34	06/15/2017 14:00:00	9054987	07/19/2017 12:17:54	DU04-S010-00-01 Soil	171741063702A
1814697	APP34	06/15/2017 14:10:00	9054988	07/19/2017 12:19:42	DU04-S011-00-01 Soil	171741063702A
1814697	APP34	06/15/2017 14:20:00	9054989	07/19/2017 12:21:30	DU04-S012-00-01 Soil	171741063702A
1814697	APP34	06/15/2017 14:30:00	9054990	07/19/2017 12:23:19	DU04-S013-00-01 Soil	171741063702A
1814697	APP34	06/15/2017 14:40:00	9054991	07/19/2017 12:25:08	DU04-S014-00-01 Soil	171741063702A
1814701	APP36	06/15/2017 08:35:00	9055024	07/25/2017 06:07:05	DU07-S015-01-03 Soil	171981063702A
1814701	APP36	06/15/2017 08:35:00	9055025	07/25/2017 06:13:53	DU07-S015-01-03MS Soil	171981063702A
1814701	APP36	06/15/2017 08:35:00	9055026	07/25/2017 06:16:09	DU07-S015-01-03MSD Soil	171981063702A
1814701	APP36	06/15/2017 08:35:00	9055027	07/25/2017 06:11:37	DU07-S015-01-03DUP Soil	171981063702A
1814701	APP36	06/15/2017 10:25:00	9055028	07/25/2017 06:20:41	DU07-S007-00-01 Soil	171981063702A
1814701	APP36	06/15/2017 10:30:00	9055029	07/25/2017 06:27:46	DU07-S007-01-02 Soil	171981063702A
1814701	APP36	06/15/2017 09:45:00	9055030	07/25/2017 06:30:02	DU07-S005-00-01 Soil	171981063702A
1814701	APP36	06/15/2017 09:50:00	9055031	07/25/2017 06:32:18	DU07-S005-01-02 Soil	171981063702A
1814701	APP36	06/15/2017 09:50:00	9055032	07/25/2017 06:34:34	DU07-S005-01-02D Soil	171981063702A
1814701	APP36	06/15/2017 11:05:00	9055033	07/25/2017 06:36:50	DU07-S011-00-01 Soil	171981063702A
1814701	APP36	06/15/2017 11:10:00	9055034	07/25/2017 06:39:06	DU07-S011-01-03 Soil	171981063702A
1814701	APP36	06/15/2017 11:10:00	9055035	07/25/2017 06:41:22	DU07-S011-01-03D Soil	171981063702A
1814701	APP36	06/15/2017 10:45:00	9055036	07/25/2017 06:43:38	DU07-S010-00-01 Soil	171981063702A
1814759	APP40	06/14/2017 11:15:00	9055405	07/26/2017 11:32:42	DU01-S011-01-10 Soil	171721063709A
1814759	APP40	06/14/2017 11:15:00	9055406	07/26/2017 11:41:16	DU01-S011-01-10D Soil	171721063709A
1814759	APP40	06/14/2017 10:15:00	9055407	07/26/2017 11:44:07	DU01-S016-01-10 Soil	171721063709A
1814759	APP40	06/14/2017 11:10:00	9055408	07/26/2017 11:46:58	DU01-S007-01-10 Soil	171721063709A

Table: Affected Samples

Group	SDG	Collection Date	Sample Affected	Sample Analysis Date	Description 1	Batch
1814759	APP40	06/14/2017 11:05:00	9055409	07/26/2017 11:49:49	DU01-S003-01-10 Soil	171721063709A
1814759	APP40	06/14/2017 10:50:00	9055410	07/26/2017 11:52:41	DU01-S004-01-10 Soil	171721063709A
1814759	APP40	06/14/2017 12:35:00	9055411	07/26/2017 11:55:32	DU01-S009-01-10 Soil	171721063709A
1814759	APP40	06/14/2017 12:15:00	9055412	07/26/2017 11:58:24	DU01-S010-01-10 Soil	171721063709A
1814759	APP40	06/14/2017 12:45:00	9055413	07/26/2017 12:01:15	DU01-S013-01-10 Soil	171721063709A
1814759	APP40	06/14/2017 13:00:00	9055414	07/26/2017 12:04:06	DU01-S014-01-10 Soil	171721063709A
1814759	APP40	06/14/2017 12:00:00	9055415	07/26/2017 12:06:57	DU01-S015-01-10 Soil	171721063709A
1814759	APP40	06/14/2017 10:40:00	9055416	07/26/2017 12:15:34	DU01-S008-01-10 Soil	171721063709A
1814759	APP40	06/14/2017 10:30:00	9055417	07/26/2017 12:18:25	DU01-S012-01-10 Soil	171721063709A
1814759	APP40	06/14/2017 14:25:00	9055418	07/26/2017 12:21:16	DU01-S002-01-10 Soil	171721063709A
1814759	APP40	06/14/2017 14:25:00	9055419	07/26/2017 12:24:07	DU01-S002-01-10D Soil	171721063709A
1814759	APP40	06/14/2017 14:05:00	9055420	07/26/2017 12:26:58	DU01-S005-01-10 Soil	171721063709A
1814759	APP40	06/14/2017 14:15:00	9055421	07/26/2017 12:29:49	DU01-S006-01-10 Soil	171721063709A
1814759	APP40	06/14/2017 14:35:00	9055422	07/26/2017 11:15:34	DU01-S001-01-10 Soil	171721063709A
1814759	APP40	06/14/2017 14:35:00	9055423	07/26/2017 11:24:08	DU01-S001-01-10MS Soil	171721063709A
1814759	APP40	06/14/2017 14:35:00	9055424	07/26/2017 11:26:59	DU01-S001-01-10MSD Soil	171721063709A
1814759	APP40	06/14/2017 14:35:00	9055425	07/26/2017 11:21:17	DU01-S001-01-10DUP Soil	171721063709A
1815323	APP45	06/16/2017 10:55:00	9057720	07/26/2017 07:50:14	DU02-S011-00-01D Soil	171771063702B
1815323	APP45	06/16/2017 11:30:00	9057723	07/26/2017 07:52:58	DU02-S014-00-01 Soil	171771063702B
1815323	APP45	06/16/2017 11:00:00	9057724	07/26/2017 07:55:42	DU02-S015-00-01 Soil	171771063702B
1815480	APP46	06/14/2017 12:15:00	9058181	07/03/2017 06:36:48	EB-SO061417-01 Water	171741063901B
1815480	APP46	06/14/2017 12:30:00	9058182	07/03/2017 06:39:54	EB-SO061417-02 Water	171741063901B
1815480	APP46	06/15/2017 11:45:00	9058183	07/03/2017 06:43:01	EB-SO061517-01 Water	171741063901B

Table: Affected Samples

Group	SDG	Collection Date	Sample Affected	Sample Analysis Date	Description 1	Batch
1815480	APP46	06/15/2017 11:30:00	9058184	07/03/2017 06:46:07	EB-SO061517-02 Water	171741063901B
1815480	APP46	06/16/2017 14:10:00	9058185	07/03/2017 06:49:12	EB-SO061617-01 Water	171741063901B
1815480	APP46	06/16/2017 14:20:00	9058186	07/03/2017 06:52:19	EB-SO061617-02 Water	171741063901B
1816462	APP47	06/20/2017 11:10:00	9062559	07/26/2017 06:33:42	DU13-S001-00-01 Soil	171771063703A
1816462	APP47	06/20/2017 11:15:00	9062560	07/26/2017 06:50:06	DU13-S002-00-01 Soil	171771063703A
1816462	APP47	06/20/2017 11:15:00	9062561	07/26/2017 06:58:18	DU13-S002-00-01D Soil	171771063703A
1816462	APP47	06/20/2017 10:00:00	9062562	07/26/2017 07:01:02	DU13-S003-00-01 Soil	171771063703A
1816462	APP47	06/20/2017 09:40:00	9062563	07/26/2017 07:03:46	DU13-S004-00-01 Soil	171771063703A
1816462	APP47	06/20/2017 11:05:00	9062564	07/26/2017 07:06:30	DU13-S005-00-01 Soil	171771063703A
1816462	APP47	06/20/2017 10:10:00	9062565	07/26/2017 07:09:14	DU13-S006-00-01 Soil	171771063703A
1816462	APP47	06/20/2017 09:00:00	9062566	07/26/2017 07:11:58	DU13-S007-00-01 Soil	171771063703A
1816462	APP47	06/20/2017 09:05:00	9062567	07/26/2017 07:14:42	DU13-S008-00-01 Soil	171771063703A
1816462	APP47	06/20/2017 10:35:00	9062568	07/26/2017 07:17:26	DU13-S009-00-01D Soil	171771063703A
1816462	APP47	06/20/2017 10:35:00	9062569	07/26/2017 07:20:10	DU13-S009-00-01 Soil	171771063703A
1816462	APP47	06/20/2017 10:30:00	9062570	07/26/2017 07:22:54	DU13-S010-00-01 Soil	171771063703A
1816462	APP47	06/20/2017 10:55:00	9062571	07/26/2017 07:31:06	DU13-S011-00-01 Soil	171771063703A
1816462	APP47	06/20/2017 09:10:00	9062572	07/26/2017 07:33:50	DU13-S012-00-01 Soil	171771063703A
1816462	APP47	06/20/2017 11:20:00	9062573	07/26/2017 07:36:34	DU13-S013-00-01 Soil	171771063703A
1816462	APP47	06/20/2017 10:40:00	9062574	07/26/2017 07:39:18	DU13-S014-00-01 Soil	171771063703A
1816462	APP47	06/20/2017 11:00:00	9062575	07/26/2017 07:42:02	DU13-S015-00-01 Soil	171771063703A
1816462	APP47	06/20/2017 11:00:00	9062576	07/26/2017 07:44:46	DU13-S015-00-01D Soil	171771063703A
1816462	APP47	06/20/2017 09:25:00	9062577	07/26/2017 07:47:30	DU13-S016-00-01 Soil	171771063703A
1816471	APP48	06/19/2017 15:00:00	9062595	07/26/2017 09:14:18	DU18-S001-00-01 Soil	171771063704A

Table: Affected Samples

Group	SDG	Collection Date	Sample Affected	Sample Analysis Date	Description 1	Batch
1816471	APP48	06/19/2017 14:55:00	9062596	07/26/2017 09:28:38	DU18-S002-00-01 Soil	171771063704A
1816471	APP48	06/19/2017 13:50:00	9062597	07/26/2017 09:35:48	DU18-S003-00-01 Soil	171771063704B
1816471	APP48	06/19/2017 13:45:00	9062598	07/26/2017 09:38:11	DU18-S004-00-01 Soil	171771063704A
1816471	APP48	06/19/2017 13:45:00	9062599	07/26/2017 09:40:34	DU18-S004-00-01D Soil	171771063704A
1816471	APP48	06/19/2017 14:50:00	9062600	07/26/2017 09:42:57	DU18-S005-00-01 Soil	171771063704B
1816471	APP48	06/19/2017 14:45:00	9062601	07/26/2017 09:45:20	DU18-S006-00-01 Soil	171771063704A
1816471	APP48	06/19/2017 13:40:00	9062602	07/26/2017 09:47:44	DU18-S007-00-01 Soil	171771063704A
1816471	APP48	06/19/2017 13:35:00	9062603	07/26/2017 09:50:08	DU18-S008-00-01 Soil	171771063704A
1816471	APP48	06/19/2017 14:25:00	9062604	07/26/2017 09:52:31	DU18-S009-00-01 Soil	171771063704A
1816471	APP48	06/19/2017 14:20:00	9062605	07/26/2017 09:54:54	DU18-S010-00-01 Soil	171771063704A
1816471	APP48	06/19/2017 13:05:00	9062606	07/26/2017 09:57:17	DU18-S011-00-01 Soil	171771063704A
1816471	APP48	06/19/2017 13:00:00	9062607	07/26/2017 10:04:26	DU18-S012-00-01 Soil	171771063704A
1816471	APP48	06/19/2017 14:10:00	9062608	07/26/2017 10:06:49	DU18-S013-00-01 Soil	171771063704A
1816471	APP48	06/19/2017 14:05:00	9062609	07/26/2017 10:09:13	DU18-S014-00-01 Soil	171771063704A
1816471	APP48	06/19/2017 13:15:00	9062610	07/26/2017 10:11:36	DU18-S015-00-01 Soil	171771063704A
1816471	APP48	06/19/2017 13:10:00	9062611	07/26/2017 10:14:00	DU18-S016-00-01 Soil	171771063704A
1816472	APP49	06/19/2017 09:45:00	9062612	07/24/2017 10:32:16	DU17-S001-00-01 Soil	171781063703A
1816472	APP49	06/19/2017 09:35:00	9062613	07/24/2017 10:13:49	DU17-S002-00-01 Soil	171781063703A
1816472	APP49	06/19/2017 08:40:00	9062614	07/24/2017 10:35:21	DU17-S003-00-01 Soil	171781063703D
1816472	APP49	06/19/2017 08:40:00	9062615	07/24/2017 10:44:33	DU17-S003-00-01D Soil	171781063703A
1816472	APP49	06/19/2017 09:10:00	9062616	07/24/2017 10:47:37	DU17-S004-00-01 Soil	171781063703A
1816472	APP49	06/19/2017 11:20:00	9062617	07/24/2017 10:50:41	DU17-S005-00-01 Soil	171781063703A
1816472	APP49	06/19/2017 10:20:00	9062618	07/24/2017 10:53:45	DU17-S006-00-01 Soil	171781063703A

Table: Affected Samples

Group	SDG	Collection Date	Sample Affected	Sample Analysis Date	Description 1	Batch
1816472	APP49	06/19/2017 09:20:00	9062619	07/24/2017 10:56:49	DU17-S007-00-01 Soil	171781063703A
1816472	APP49	06/19/2017 09:15:00	9062620	07/24/2017 10:59:53	DU17-S008-00-01 Soil	171781063703A
1816472	APP49	06/19/2017 10:25:00	9062621	07/24/2017 11:02:57	DU17-S009-00-01 Soil	171781063703A
1816472	APP49	06/19/2017 10:30:00	9062622	07/24/2017 11:06:01	DU17-S010-00-01 Soil	171781063703A
1816472	APP49	06/19/2017 09:30:00	9062623	07/24/2017 11:09:05	DU17-S011-00-01 Soil	171781063703A
1816472	APP49	06/19/2017 09:25:00	9062624	07/24/2017 11:12:09	DU17-S012-00-01 Soil	171781063703A
1816472	APP49	06/19/2017 11:05:00	9062625	07/24/2017 11:21:22	DU17-S013-00-01 Soil	171781063703D
1816472	APP49	06/19/2017 11:00:00	9062626	07/24/2017 11:24:26	DU17-S014-00-01 Soil	171781063703A
1816472	APP49	06/19/2017 10:50:00	9062627	07/24/2017 11:27:30	DU17-S015-00-01 Soil	171781063703A
1816472	APP49	06/19/2017 10:45:00	9062628	07/24/2017 11:30:34	DU17-S016-00-01 Soil	171781063703A
1816474	APP50	06/19/2017 15:45:00	9062631	07/03/2017 06:55:25	EB-061917-01 Water	171741063901B
1817572	APP54	06/21/2017 09:00:00	9068186	07/10/2017 11:08:46	CH-MW039-02 Water	171761063902A
1817572	APP54	06/21/2017 09:00:00	9068187	07/10/2017 11:17:41	CH-MW039-02MS Water	171761063902A
1817572	APP54	06/21/2017 09:00:00	9068188	07/10/2017 11:20:39	CH-MW039-02MSD Water	171761063902A
1817572	APP54	06/21/2017 09:00:00	9068189	07/10/2017 11:14:43	CH-MW039-02DUP Water	171761063902A
1817572	APP54	06/21/2017 10:40:00	9068190	07/10/2017 11:26:37	CH-MW040-02 Water	171761063902A
1817572	APP54	06/21/2017 10:40:00	9068191	07/10/2017 11:29:35	CH-MW040-02D Water	171761063902A
1817572	APP54	06/21/2017 11:55:00	9068192	07/10/2017 11:38:29	CH-MW042-02 Water	171761063902A
1817572	APP54	06/21/2017 13:30:00	9068193	07/10/2017 11:41:27	CH-MW036-02 Water	171761063902A
1817572	APP54	06/21/2017 14:55:00	9068194	07/10/2017 11:44:24	CH-MW041-02 Water	171761063902A
1817572	APP54	06/21/2017 15:55:00	9068195	07/10/2017 11:47:23	CH-MW038-02 Water	171761063902A
1817574	APP55	06/21/2017 09:00:00	9068197	07/11/2017 08:07:54	CH-MW039-02F Water	171761063903B
1817574	APP55	06/21/2017 09:00:00	9068198	07/11/2017 08:12:59	CH-MW039-02FMS Water	171761063903B

Table: Affected Samples

Group	SDG	Collection Date	Sample Affected	Sample Analysis Date	Description 1	Batch
1817574	APP55	06/21/2017 09:00:00	9068199	07/11/2017 08:14:40	CH-MW039-02FMSD Water	171761063903B
1817574	APP55	06/21/2017 09:00:00	9068200	07/11/2017 08:11:18	CH-MW039-02FDUP Water	171761063903B
1817574	APP55	06/21/2017 10:40:00	9068201	07/11/2017 08:18:04	CH-MW040-02F Water	171761063903B
1817574	APP55	06/21/2017 10:40:00	9068202	07/11/2017 08:19:47	CH-MW040-02DF Water	171761063903B
1817574	APP55	06/21/2017 11:55:00	9068203	07/06/2017 13:14:08	CH-MW042-02F Water	171761063903B
1817574	APP55	06/21/2017 13:30:00	9068204	07/06/2017 13:17:14	CH-MW036-02F Water	171761063903B
1817574	APP55	06/21/2017 14:55:00	9068205	07/06/2017 13:20:20	CH-MW041-02F Water	171761063903B
1817574	APP55	06/21/2017 15:55:00	9068206	07/06/2017 13:23:26	CH-MW038-02F Water	171761063903B
1817576	APP56	06/22/2017 09:35:00	9068208	07/06/2017 13:26:33	CH-MW029-02 Water	171761063903B
1817576	APP56	06/22/2017 10:25:00	9068209	07/06/2017 13:29:38	CH-MW025-02 Water	171761063903B
1817576	APP56	06/22/2017 10:35:00	9068210	07/06/2017 13:32:45	CH-MW027-02 Water	171761063903B
1817576	APP56	06/22/2017 12:30:00	9068212	07/06/2017 13:35:51	CH-MW028-02 Water	171761063903B
1817576	APP56	06/22/2017 12:40:00	9068213	07/06/2017 13:38:57	CH-MW037-02 Water	171761063903B
1817576	APP56	06/22/2017 09:35:00	9068216	07/06/2017 13:42:04	CH-MW029-02F Water	171761063903B
1817576	APP56	06/22/2017 10:25:00	9068217	07/06/2017 13:51:19	CH-MW025-02F Water	171761063903B
1817576	APP56	06/22/2017 10:35:00	9068218	07/06/2017 13:54:24	CH-MW027-02F Water	171761063903B
1817576	APP56	06/22/2017 12:30:00	9068219	07/06/2017 13:57:31	CH-MW028-02F Water	171761063903B
1817576	APP56	06/22/2017 12:40:00	9068220	07/06/2017 14:00:37	CH-MW037-02F Water	171761063903B
1817576	APP56	06/22/2017 13:35:00	9068223	07/06/2017 14:03:43	CH-MW026-02 Water	171761063903B
1817576	APP56	06/22/2017 12:40:00	9068224	07/06/2017 14:06:47	CH-MW037-02D Water	171761063903B
1817576	APP56	06/22/2017 12:40:00	9068225	07/10/2017 11:50:21	CH-MW037-02DF Water	171761063902A
1817576	APP56	06/22/2017 13:35:00	9068226	07/10/2017 11:53:18	CH-MW026-02F Water	171761063902A
1818743	APP61	06/26/2017 10:55:00	9073428	07/12/2017 05:00:45	CH-MW022-02 Water	171801063904A

Table: Affected Samples

Group	SDG	Collection Date	Sample Affected	Sample Analysis Date	Description 1	Batch
1818743	APP61	06/26/2017 10:55:00	9073429	07/12/2017 05:03:52	CH-MW022-02D Water	171801063904A
1818743	APP61	06/26/2017 11:00:00	9073432	07/12/2017 05:13:08	CH-MW023-02 Water	171801063904A
1818743	APP61	06/26/2017 12:20:00	9073435	07/12/2017 05:16:17	CH-MW018-02 Water	171801063904A
1818743	APP61	06/26/2017 12:20:00	9073436	07/12/2017 05:19:25	CH-MW018-02D Water	171801063904A
1818743	APP61	06/26/2017 15:00:00	9073438	07/12/2017 05:22:32	CH-MW030-02 Water	171801063904A
1818743	APP61	06/26/2017 10:55:00	9073440	07/12/2017 05:25:39	CH-MW022-02F Filtered Water	171801063904A
1818743	APP61	06/26/2017 10:55:00	9073441	07/12/2017 05:28:46	CH-MW022-02DF Filtered Water	171801063904A
1818743	APP61	06/26/2017 11:00:00	9073442	07/12/2017 05:31:52	CH-MW023-02F Filtered Water	171801063904A
1818743	APP61	06/26/2017 12:20:00	9073443	07/12/2017 05:34:58	CH-MW018-02F Filtered Water	171801063904A
1818743	APP61	06/26/2017 12:20:00	9073444	07/12/2017 05:38:05	CH-MW018-02DF Filtered Water	171801063904A
1818743	APP61	06/26/2017 15:00:00	9073445	07/12/2017 05:41:11	CH-MW030-02F Filtered Water	171801063904A
1818743	APP61	06/26/2017 14:45:00	9073446	07/12/2017 05:50:25	CH-MW020-02F Filtered Water	171801063904A
1818743	APP61	06/26/2017 13:10:00	9073447	07/12/2017 05:53:33	CH-MW024-02F Filtered Water	171801063904A
1818743	APP61	06/26/2017 14:45:00	9073448	07/12/2017 05:56:39	CH-MW020-02 Water	171801063904A
1818743	APP61	06/26/2017 13:10:00	9073449	07/12/2017 05:59:45	CH-MW024-02 Water	171801063904A
1819406	APP62	06/27/2017 14:15:00	9077315	07/12/2017 06:02:51	CH-MW043-02F Filtered Water	171801063904A
1819406	APP62	06/27/2017 13:50:00	9077316	07/12/2017 04:42:10	CH-MW016-02F Filtered Water	171801063904A
1819406	APP62	06/27/2017 13:50:00	9077317	07/12/2017 04:51:28	CH-MW016-02FMS Filtered Water	171801063904A
1819406	APP62	06/27/2017 13:50:00	9077318	07/12/2017 04:54:35	CH-MW016-02FMSD Filtered Water	171801063904A
1819406	APP62	06/27/2017 13:50:00	9077319	07/12/2017 04:48:23	CH-MW016-02FDUP Filtered Water	171801063904A
1819406	APP62	06/28/2017 09:05:00	9077320	07/12/2017 06:05:56	CH-MW019-02F Filtered Water	171801063904A

November 2, 2017

Dorothy Love
Eurofins Lancaster Laboratories Environmental, LLC
2425 New Holland Pike
P.O. Box 12425
Lancaster PA 17605-2425
United States

Dear Ms. Love:

The purpose of this letter is to summarize the sequence of events regarding your laboratory's reporting of a prohibited practice occurring and the subsequent actions that were taken to address and contain any effect on customer data.

On September 14, 2017, a data validator notified your laboratory of a potential data issue. The management team of the laboratory determined that there was indeed a prohibited practice that had taken place and was centered on one employee and immediately began a full investigation into the impact on customer data and implementation of corrective action. The requirements of the DoD Quality System Manual section 4.9.4 state:

> "All DoD ELAP laboratories must report any instances of in appropriate and prohibited laboratory practices, as detailed in Section 5.2.7 of the DoD QSM, to their AB within fifteen (15) business days of discovery. DoD ELAP laboratories must submit records of associated corrections taken or proposed corrective actions to the AB within thirty (30) business days of discovery."

Therefore, you notified A2LA of this discovered prohibited practice on September 19, 2017. Notification to clients regarding their projects that were impacted was made on October 18, 2017 and a full corrective action was submitted to A2LA and the DoD on October 19, 2017 which was then accepted and the issue closed.

This matter was handled professionally and efficiently meeting the requirements for accreditation in the DoD Environmental Laboratory Accreditation Program (ELAP) administered by A2LA and therefore there was no impact on the accreditation status of your laboratory throughout this process.

Sincerely,

Accreditation Manager
email: cgunning@A2LA.org

Master Code: 9777
Certificates: Environmental (0001.01)

This document contains confidential and proprietary information and is the property of A2LA.

AECOM-Tidewater JV
3101 Wilson Blvd., #900
Arlington, VA 22201
703.682.4900 tel
703.682.4901 fax

Attachment C: Summary of Lab Issues and Assessment

Attachment C: Summary of Lab Issues and Assessment

SDG	Media	SEDD Reissued ?	Analyte	Lab QC Issue Type	AECOM Assessment	Impact	ADR Automaically Applied Qualifiers
APP03	Groundwater	confirm	calcium	ICSA/ ICSAB	The ICSA and ICSAB percent recoveries for calcium were within QC specifications (changed from 93.4% to 106.73%) in the original report as well as in the corrected report. QC specification is 80-120%	none	none
APP08	Soil	no	silver, antimony	CCV	The CCV percent recoveries for silver (changed from 106.1% to 110.11%) and antimony (changed from 106.87% to 110.87%) were within QC specifications in the original run as well as in the corrected package. QC specification is 80-120%	none	none
APP10	Groundwater	confirm	calcium	ICSA/ ICSAB	The ICSA and ICSAB percent recoveries for calcium were within QC specifications (changed from 93.4% to 106.73%) in the original report as well as in the corrected report. QC specification is 80-120%	none	none
APP11	Soil	yes	manganese	Result	The result for manganese for field sample 203-SB16-01DUP changed from 299 mg/kg to 315 mg/kg. The upper end of the linear range was 302 mg/kg. Normal and Field Duplicate precision will increase slightly.	major	none required
APP17	Sediment	no	vanadium	LLC	The percent recovery for Vanadium in the Low Level Check Standard changed from 108.1% to 138.1%. The QC specification is 80-120%. All vanadium results were above LOQ.	minor, no additional qualifiers	none
			calcium	CCV	The percent recovery for Calcium in the Continuing Calibration Verification changed from 107.61% to 115.61%. The QC specification is 90-110%.	minor, no additional qualifiers	none
APP18	Sediment	no	vanadium	LLC	The percent recovery for Vanadium in the Low Level Check Standard changed from 108.1% to 138.1%. The QC specification is 80-120%. All vanadium results were above LOQ.	minor, no additional qualifiers	none
			calcium	CCV	The percent recovery for Calcium in the Continuing Calibration Verification changed from 107.61% to 115.61%. The QC specification is 90-110%.	minor, no additional qualifiers	none
APP19	Surface water	yes	silver	LCS	The percent recovery for Silver in the Laboratory Control Sample changed from 101% to 61%. The QC specification is 85-116%.	minor, no additional qualifiers	J- (detects), UJ (nondetects)
APP20	Surface water	yes	silver	MS	The percent recovery for Silver in the Matrix Spike changed from 100% to 60%. The QC specification is 85-116%.	minor, no additional qualifiers	J- (detects), UJ (nondetects)
		yes	silver	MSD	The percent recovery for Silver in the Matrix Spike Duplicate changed from 103% to 63%. The QC specification is 85-116%.	minor, no additional qualifiers	J- (detects), UJ (nondetects)
		yes	silver	LCS	The percent recovery for Silver in the Laboratory Control Sample changed from 101% to 61%. The QC specification is 85-116%.	minor	J- (detects), UJ (nondetects)
APP21	Sediment	yes	barium, calcium, copper, lead, thallium, vanadium, zinc	LCS	The percent recovery for Barium in the Laboratory Control Sample changed from 95% to 83%. The QC specification is 86-116%. The percent recovery for Calcium in the Laboratory Control Sample changed from 94% to 84%. The QC specification is 86-118%.The percent recovery for Thallium in the Laboratory Control Sample changed from 96% to 76%. The QC specification is 86-118%. The percent recovery for Vanadium in the Laboratory Control Sample changed from 104% to 84%. The QC specification is 82-116%. The percent recovery for Thallium in the Laboratory Control Sample changed from 96% to 76%. The QC specification is 83-118%. The percent recovery for Lead in the Laboratory Control Sample changed from 98% to 152%. The QC specification is 84-118%. The percent recovery for Zinc in the Laboratory Control Sample changed from 104% to 116%. The QC specification is 82-119%. The percent recovery for Copper in the Laboratory Control Sample changed from 105% to 145%. The QC specification is 84-119%.Qualifiers could change.	minor	J- (detects with low bias), J+ (detects with high bias), UJ (nondetects)
			nickel	CCV	The percent recovery for Nickel in the Continuing Calibration Verification changed from 104.06% to 112.06%. The QC specification is 90-110%.	minor, no additional qualifiers	none
			manganese, cobalt	ICSA	The absolute value of 0.0047 mg/kg for Manganese was > 2 times the Limit of Quantitation (LOQ) in the associated Interference Check Standard A. The QC specification is < 2 times the absolute value of the LOQ of 0.0040 mg/kg. The absolute value of 0.0011 mg/kg for Cobalt was > 2 times the Limit of Quantitation (LOQ) in the associated Interference Check Standard A. The QC specification is < 2 times the absolute value of the LOQ of 0.0010 mg/kg. The ICSAB was within QC limits for manganese and cobalt.	minor, no additional qualifiers	none
			barium, calcium	LLC	The percent recovery for Calcium in the Low Level Check Standard changed from 95.68% to 70.68%. The percent recovery for Barium in the Low Level Check Standard changed from 99.28% to 74.28%. The QC specification is 80-120%. All barium and calcium results were above LOQ.	minor, no additional qualifiers	none
APP22	Surface water	no	manganese	ICSA	The absolute value of 3.8 ug/l for Manganese was > 2 times the Limit of Quantitation (LOQ) in the Interference Check Standard A. The QC specification is < 2 times the absolute value of the LOQ of 4.0 ug/l. Manganese was detected in the ICSA and outside of QC limits; however in the ICSAB, manganese was within QC limits.	minor, no additional qualifiers	none
APP23	Sediment	yes	calcium	LCS	The percent recovery for Calcium in the Laboratory Control Sample changed from 95% to 85%. The QC specification is 86-118%.	minor	J- (detects), UJ (nondetects)
			calcium	LLC	The percent recovery for Calcium in the Low Level Check Standard changed from 109.15% to 124.15%. The QC specification is 80-120%. All calcium results were above LOQ.	minor, no additional qualifiers	none
APP24	Surface water	yes	zinc	MB	The result for zinc in the MB changed from < 7.5 ug/l to 39.9 ug/l. Detected zinc results could change to nondetects.	major	20 sample results became nondetects
			vanadium, calcium	CCV	The CCV percent recoveries for vanadium (changed from 105.06% to 113.06%) and calcium (changed from 104.02% to 116.02%) were within QC specifications in the original run as well as in the corrected package. QC specification is 80-120%	minor, no additional qualifiers	none
			cobalt	ICSA	The absolute value of 1.2 ug/l for Cobalt was > 2 times the Limit of Quantitation (LOQ) in the Interference Check Standard A. The QC specification is < 2 times the absolute value of the LOQ of 1.0 ug/l. Cobalt was detected in the ICSA and outside of QC limits; however in the ICSAB, cobalt was within QC limits.	minor, no additional qualifiers	none
APP25	Sediment	yes	manganese	MB	The result for manganese in the MB changed from < 0.200 mg/kg to 0.184 J mg/kg. Detected manganese results could change to nondetects.	major	none reguired
			manganese	LCS	The percent recovery for Manganese in the Laboratory Control Sample associated with this sample changed from 106% to 122%. The QC specification is 85-116%. Qualifiers could change.	minor	J+ (detects), UJ (nondetects)
			calcium	CCV	The percent recovery for Calcium in the Continuing Calibration Verification changed from 95.75% to 87.75%. The QC specification is 90-110%.	minor, no additional qualifiers	none
			calcium	LLC	The percent recovery for Calcium in the Low Level Check Standard changed from 90.05% to 77.55%. The QC specification is 80-120%. All calcium results were above LOQ.	minor, no additional qualifiers	none
			calcium	ICSA/ ICSAB	The percent recovery for Calcium in the Interference Check Standard A changed from 88.65% to 71.98%. The percent recovery for Calcium in the Interference Check Standard AB changed from 89.66% to 79.66%. The QC specification is 80-120%.	minor, no additional qualifiers	none
			cobalt	ICSA	The absolute value of 0.00098 mg/kg for Cobalt was > 2 times the Limit of Quantitation (LOQ) in the Interference Check Standard A. The QC specification is < 2 times the absolute value of the LOQ of 0.0010 mg/kg.Cobalt was detected in the ICSA and above QC limits; however in the ICSAB, cobalt was within QC limits.	minor, no additional qualifiers	none
APP26	Surface water	yes	manganese	MB	The result for manganese in the MB changed from < 2.0 ug/l to 1.5 J ug/l. Detected manganese results could change to nondetects.	major	14 sample results became nondetects
			antimony	LCS	The percent recovery for Antimony in the Laboratory Control Sample changed from 98% to 82%. The QC specification is 85-117%. Qualifiers could change.	minor	J- (detects), UJ (nondetects)
			cobalt	ICSA	The absolute value of 1.4 ug/l for Cobalt was > 2 times the Limit of Quantitation (LOQ) in the Interference Check Standard A. The QC specification is < 2 times the absolute value of the LOQ of 1.0 ug/l.Cobalt was detected in the ICSA and above QC limits; however in the ICSAB, cobalt was within QC limits.	minor, no additional qualifiers	none
APP27	Sediment	confirm	vanadium	ICSAB	The percent recovery for Vanadium in the Interference Check Standard AB changed from 108.74% to 123.74%. The QC specification is 80-120%.	minor, no additional qualifiers	none
APP28	Surface water	confirm	antimony, calcium, silver	CCV	The CCV percent recoveries for antimony (changed from 107.71% to 111.71%) calcium (changed from 107.85% to 111.85%) and silver (changed from 106.56% to 110.56%.) QC specification is 90-110%	minor, no additional qualifiers	none
			arsenic, barium, calcium, cadmium, chromium, manganese	LLC	The percent recoveries in the LLC were not within QC specification for several analytes. The LCS which is 2 to 5 times the LLC was within specifications for these analytes. (arsenic changed from 92.18% to 79.68%; calcium changed from 117.33% to 122.33%; barium changed from 116.95% to 114.95%; silver changed from 105.8% to 125.8%; manganese changed from 105.73% to 123.23%; chromium changed from 110.25% to 122.75%; cadmium changed from 119.8% to 139.8%)	minor, no additional qualifiers	none
APP29	Soil	yes	calcium	MB	The result for calcium in the MB changed from <40.0 mg/kg to 20.3 J mg/kg. Detected calcium results could change to nondetects.	major	none required

			antimony, chromium, calcium	CCV	The CCV percent recoveries for antimony (changed from 95.8% to 87.8%) and calcium (changed from 93.3% to 89.3%) QC specification is 90-110%. The Internal standard for Chromium, SC-1, recovered at 132% in the Continuing Calibration Verification. The QC specification is 70-130%.	minor, no additional qualifiers	none
			cadmium	LLC	The percent recovery for Cadmium in the Low Level Check Standard changed from 104% to 124%. The QC specification is 80-120%.The LCS which is 2 to 5 times the LLC was within specifications for cadmium.	minor, no additional qualifiers	none
			cadmium	ICSAB	The percent recovery for Cadmium in the Interference Check Standard AB changed from 113.1% to 123.1%. The QC specification is 80-120%.No impact to the qualifiers.	minor, no additional qualifiers	none
APP30	Soil	no	vanadium	LLC	The percent recovery for Vanadium in the Low Level Check Standard changed from 96.9% to 76.9%. The QC specification is 80-120%. The LCS which is 2 to 5 times the LLC was within specifications for vanadium.	minor, no additional qualifiers	none
APP31	Soil	yes	antimony, arsenic, barium, cadmium, cobalt, copper, nickel, silver, zinc	CCV	The Internal standard for arsenic, nickel, calcium, cobalt, barium, cadmium, copper, and silver recovered at 131% in the Continuing Calibration Verification. The QC specification is 70-130%.	minor, no additional qualifiers	none
			manganese, thallium	LCS	The percent recovery for Manganese in the Laboratory Control Sample changed from 104% to 116%. The QC specification is 85-116%. The percent recovery for Thallium in the Laboratory Control Sample changed from 93% to 83%. The QC specification is 83-118%.Qualifiers could change.	minor	J- (detects with low bias), J+ (detects with high bias), UJ (nondetects)
			silver	LLC	The percent recovery for Silver in the Low Level Check Standard changed from 95.4% to 75.4%. The QC specification is 80-120%. The LCS which is 2 to 5 times the LLC was within specifications for cadmium.	minor, no additional qualifiers	none
APP34	Soil	confirm	calcium, aluminum, antimony, sodium	CCV	The percent recovery for Calcium in the Continuing Calibration Verification changed from 93.84% to 89.84%. The percent recovery for Aluminum in the Continuing Calibration Verification changed from 107.02% to 127.02%. The percent recovery for Antimony in the Continuing Calibration Verification changed from 93.56% to 89.56%. The percent recovery for Sodium in the Continuing Calibration Verification changed from 93.22% to 89.22%. The QC specification is 90-110%.	Rejected all the metals; samples were re-analyzed	R (manually applied)
			aluminum, antimony, arsenic, cadmium, calcium, chromium, cobalt, copper, iron, magnesium, manganese, nickel, potassium, sodium, magnesium, vanadium, zinc, silver	LLC	The percent recovery for Sodium in the Low Level Check Standard changed from 101.45% to -.7%. The percent recovery for Cadmium in the Low Level Check Standard changed from 100.5% to -.5%. The percent recovery The percent recovery for calcium in the low level check standard changed from 110% to 0%. for Antimony in the Low Level Check Standard changed from 101.75% to 1.75%. The percent recovery for Arsenic in the Low Level Check Standard changed from 101.4% to 1.4%. The percent recovery for Zinc in the Low Level Check Standard changed from 100.79% to .79%. The percent recovery for Silver in the Low Level Check Standard changed from 100.5% to -.5%. The percent recovery for Potassium in the Low Level Check Standard changed from 102.26% to -.51%. The percent recovery for Aluminum in the Low Level Check Standard changed from 105.23% to -1.23%. The percent recovery for Iron in the Low Level Check Standard changed from 105.17% to -5.17%. The percent recovery for Nickel in the Low Level Check Standard changed from 100.4% to -.4%. The percent recovery for Magnesium in the Low Level Check Standard changed from 104.72% to -.22%. The percent recovery for Cobalt in the Low Level Check Standard changed from 101.3% to -1.3%.The percent recovery for Chromium in the Low Level Check Standard changed from 107.25% to 7.25%. The percent recovery for Vanadium in the Low Level Check Standard changed from 102.3% to -2.3%. The percent recovery for Manganese in the Low Level Check Standard changed from 104.33% to -4.33%. The percent recovery for Copper in the Low Level Check Standard changed from 100.23% to .23%. The percent recovery for Iron in the Low Level Check Standard changed from 105.17% to -5.17%. The QC specification is 80-120%. The LCS which is 2 to 5 times the LLC was within QC limits.	Rejected all the metals; samples were re-analyzed	R (manually applied)
APP36	Soil	yes	manganese	MB	The result for manganese in the MB changed from <0.200 mg/kg to 0.198 J mg/kg. Detected manganese results could change to nondetects.	major	none required
			manganese, selenium, vanadium	CCV	The percent recovery for Selenium in the Continuing Calibration Verification changed from 105.6% to 113.6%. The QC specification is 90-110%. The Internal standard for Vanadium recovered at 104%. The Internal standard for Manganese recovered at 106% in the Continuing Calibration Verification. The QC specification is 70-130%.	minor, no additional qualifiers	none
APP40	Soil	yes	manganese	LCS	The percent recovery for Manganese in the Laboratory Control Sample changed from 92% to 48%. The QC specification is 85-116%. Qualifiers could change.	minor	J- (detects), UJ (nondetects)
			manganese, vanadium	CCV	The Internal standard for Vanadium recovered at 87% and manganese recovered at 82% in the Continuing Calibration Verification. The QC specification is 70-130%.	none	none
			manganese, vanadium	LLC	The percent recovery for Manganese in the Low Level Check Standard changed from 100.58% to -150.58%. The percent recovery for Vanadium in the Low Level Check Standard changed from 94.5% to 54.5%. The QC specification is 80-120%. All sample results were above LOQ. The LCS which is 2 to 5 times the LLC was within QC limits.	minor, no additional qualifiers	none
APP45	Soil	no	calcium	ICV, CCV	The percent recovery for Calcium in the Initial Calibration Verification changed from 93.26% to 89.26%. The QC specification is 90-110%. The percent recovery for Calcium in the Continuing Calibration Verification changed from 105.76% to 109.76%. The QC specification is 90-110%.	minor, no additional qualifiers	none
APP46	Equipment Blank (oen sample)	no	antimony, aluminum, calcium	CCV	The percent recovery for Antimony in the Continuing Calibration Verification changed from 93.44% to 89.44%. The percent recovery for Aluminum in the Continuing Calibration Verification changed from 105.74% to 121.74%. The percent recovery for Calcium in the Continuing Calibration Verification changed from 104.95% to 112.95%. The QC specification is 90-110%.	minor, no additional qualifiers	none
			vanadium, barium	LLC	The percent recovery for Vanadium in the Low Level Check Standard changed from 113.7% to 123.7%. The percent recovery for Barium in the Low Level Check Standard changed from 94.2% to 81.7%.The QC specification is 80-120%	minor, no additional qualifiers	none
			calcium	MS/MSD	The MS/MSD was not performed on samples from this SDG.	none	none
APP47	Soil	no	calcium	ICV, CCV	The percent recovery for Calcium in the Initial Calibration Verification changed from 93.26% to 89.26%. The QC specification is 90-110%. The percent recovery for Calcium in the Continuing Calibration Verification changed from 105.76% to 109.76%. The QC specification is 90-110%.	minor, no additional qualifiers	none
			beryllium	LLC	The Internal standard for Beryllium recovered at 97% in the LLC. The QC specification is 70-130%.	minor, no additional qualifiers	none
APP48	Soil	no	calcium, cadmium	CCV	The Internal standard for Cadmium, recovered at 108% in the Continuing Calibration Verification. The QC specification is 70-130%. The percent recovery for Calcium in the Continuing Calibration Verification changed from 106.62% to 114.62%. The QC specification is 90-110%	minor, no additional qualifiers	none
			antimony, calcium	LLC	TThe percent recovery for Calcium in the Low Level Check Standard changed from 95.55% to 75.55%. The percent recovery for Antimony in the Low Level Check Standard changed from 90.3% to 80.3%. The QC specification is 80-120%. The LCS which is 2 to 5 times the LLC was within QC limits.	minor, no additional qualifiers	none
APP49	Soil	yes	barium, cadmium	LCS	The percent recovery for Cadmium in the Laboratory Control Sample changed from 97% to 117%. The QC specification is 84-116%. The percent recovery for Barium in the Laboratory Control Sample changed from 107% to 119%. The QC specification is 86-116%. Qualifiers could change.	minor	J- (detects), UJ (nondetects)
			antimony	LLC	The percent recovery for Antimony in the Low Level Check Standard changed from 107.65% to 122.65%. The QC specification is 80-120%. The LCS which is 2 to 5 times the LLC was within QC limits	minor, no additional qualifiers	none
			aluminum, beryllium, calcium, chromium, iron, magnesium, potassium, sodium, selenium	CCV	The Internal standard for Aluminum recovered at 79% in the Continuing Calibration Verification. The Internal standard for Beryllium recovered at 76%. The Internal standard for Calcium recovered at 79%. The Internal standard for Chromium recovered at 79%. The Internal standard for Iron recovered at 79%. The Internal standard for Magnesium recovered at 79%. The Internal standard for Potassium recovered at 79%. The Internal standard for Sodium recovered at 79% in the Continuing Calibration Verification. The Internal standard for Selenium recovered at 89%. The QC specification is 70-130%.	minor, no additional qualifiers	none
APP50	Equipment Blank (one sample)	no	antimony, calcium	CCV	he percent recovery for Calcium in the Continuing Calibration Verification changed from 104.95% to 112.95%. The percent recovery for Antimony in the Continuing Calibration Verification changed from 93.44% to 89.44%. The QC specification is 90-110%.	minor, no additional qualifiers	none
APP54	Groundwater	no	antimony	ICV	The percent recovery for Antimony in the Initial Calibration Verification changed from 104.57% to 124.57%. The QC specification is 90-110%.	minor, no additional qualifiers	none
APP55	Groundwater	no	calcium	CCB	The result in the CCB for calcium changed from 15 ug/l to 100 ug/l. The QC specification is less than the absolute value of 280 ug/l.	minor, no additional qualifiers	none; Results range from 3760 to 40900 ug/l
APP56	Groundwater	no	calcium	CCB	The result in the CCB for calcium changed from 15 ug/l to 100 ug/l. The QC specification is less than the absolute value of 280 ug/l.	minor, no additional qualifiers	none; Results range from 6700 to 24100 ug/l

			antimony	ICV	The percent recovery for Antimony in the Initial Calibration Verification changed from 104.57% to 124.57%. The QC specification is 90-110%.	minor, no additional qualifiers	none
APP61	Groundwater	no	manganese	MS/MSD	The MS/MSD was not performed on a sample from this SDG.	none	none
		no	antimony, calcium	CCV	The percent recovery for Antimony in the Continuing Calibration Verification changed from 93.66% to 89.66%. The percent recovery for Calcium in the Continuing Calibration Verification changed from 106.24% to 110.24%. The QC specification is 90-110%.	minor, no additional qualifiers	none
		no	aluminum	CCB	The result in the CCB for aluminum changed from 22 ug/l to 220 ug/l. The QC specification is less than the absolute value of 53 ug/l.	minor	200 U for 2 samples with detects below LOQ associated with CCB
		no	aluminum, calcium	LLC	The percent recovery for Aluminum in the Low Level Check Standard changed from 106.67% to 131.67%. The percent recovery for Calcium in the Low Level Check Standard changed from 105.6% to 125.6%. The QC specification is 80-120%. The LCS which is 2 to 5 times the LLC was within QC limits	minor, no additional qualifiers	none
APP62	Groundwater	no	aluminum	CCB	The result in the CCB for aluminum changed from 22 ug/l to 220 ug/l. The QC specification is less than the absolute value of 53 ug/l.	minor	200 U for 2 samples with detects below LOQ associated with CCB
		no	antimony, calcium	CCV	The percent recovery for Calcium in the Continuing Calibration Verification changed from 105.8% to 117.8%. The percent recovery for Antimony in the Continuing Calibration Verification changed from 93% to 89%. The QC specification is 90-110%.	minor, no additional qualifiers	none
		no	aluminum, calcium	LLC	The percent recovery for Calcium in the Low Level Check Standard changed from 105.6% to 125.6%. The percent recovery for Aluminum in the Low Level Check Standard changed from 106.7% to 131.7%. The QC specification is 80-120%.The LCS which is 2 to 5 times the LLC was within QC limits	minor, no additional qualifiers	none
		yes	manganese	result	The altered result for CH-MW016-02F was significantly above the calibration linear range, thus the lab reanalyzed a preserved and within hold time sample, LD and MS/MSD for manganese. The reanalyzed MS/MSD were outside of QC Limits	major	J+ (detects)

Notes:

CCB	Continuing calibration blank
CCV	Continuing calibration verification
ICSA	Interference check solution A
ICSAB	Interference check solution AB
ICV	Initial calibration verification
LCS	Laboratory control sample
LD	Laboratory duplicate
LLC	Lower level calibration check
MB	Method blank
MS/MSD	Matrix spike/matrix spike duplicate
QC	Quality control
confirm	Confirm results and qualifiers had not changed from original to corrected data package (SEDD was reissued for verification)
ug/l	micrograms per liter

Appendix G

Daily Field Reports

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United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 5/31/2017 Wednesday

DR No. 01		**WRITTEN BY**: Amanda Martin	**PROJECT NUMBER**: 60443903
Weather: H 60°F	Foggy	**Days without a lost time injury:**	1

NAME:	HRS	TRADE:	COMPANY:	EQUIPMENT:	VISITORS/AFFILIATION:
Mike Glinski	11.5	SSHO, Geologist	AECOM	Solonist Interface Probe	None
Bob Burns	11.5	SSHO, Scientist	AECOM	Solonist Water Level Meter (3)	
Brendan McGuinness	11.5	Field Quality Manager	AECOM	MiniRae 3000 PID (6)	
Amanda Martin	11.5	Site Supervisor	AECOM	Dust Trak II Dust Meter (2)	
Andrew Borden	11.5	Geologist	AECOM	Geotech Baldder Pump (1)	
John Schroeder	11.5	Geologist	AECOM	ProActive Monsoon Pump (6)	
Jeff Dvorak	11.5	Environmental Scientist	AECOM	Hand Auger (1)	
Rachel MacPhee	11.5	Geologist	AECOM	Ponar Sediment Sampler	
Nicole Schulman	11.5	Environmental Scientist	AECOM	Eijkelkamp Flap gouge auger	
McKenzie Miller	11.5	Environmental Scientist	AECOM	Trimble Geo 7X GPS (5)	
Alexi Weber	11.5	Environmental Scientist	AECOM	Shondstadt Magnetometer (2)	
Catey Lavagnino	11.5	Ecologist	AECOM	Monsoon Pumps (8)	
Steve Glenn	11.5	Botanist	AECOM		
DAILY TOTAL	149.5				
TOTAL TO DATE	149.5	*(on-site hours only)*			

SUBCONTRACTORS:	SITE DELIVERIES (indicate size, type, and condition):
None	Call-a-Head Porta John unit, good condition

WORKED PERFORMED BY AECOM

The AECOM team arrived on site at 0700 completed the Morning Tailgate Health and Safety Meeting and UXO Awareness Training, and reviewed the health and and safety procedures and task hazards associated with scheduled field work for the day. New team members received a tour of the investigation areas within Camp Hero State Park.

Preparation Activities

The team unloaded and organized supplies/equipment in the Conex Box. The team completed location flagging for soil sample locations and monitoring well locations at DU01 - DU03, DU05 - DU07, and DU10 - DU18, and for surface water and sediment sample locations CH-SWSD001 - 007 and CH-SWSD011 - 140.

Wetlands Delineation

Wetlands delineation, including wetlands flagging, equipment buffer zone flagging, and collection of GIS data for wetland boundaries, was completed at DU01, DU02, DU03, DU05, DU06, DU12, DU13, and DU14.

Rare Plant Surveys

Rare plant species were flagged at DU02, DU05, DU06, DU07, DU12, DU15, and DU16. Southern arrowwood was the only rare plant noted on the site at this time.

Sample Management

Soil/sediment and surface water/groundwater sample jars were inventoried, organized, and segregated into bottleware kits, and staged in Conex box in preparation for sampling.

WORK COMPLETED BY AECOM SUBCONTRACTORS

None

AGREEMENTS MADE/CONVERSATIONS (Refer to telecons, phone records, and/or logbooks for details)

- Tom Dess (NY State Parks Superintendent) was notified of the number of team members on site at the start of the day.

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 5/31/2017 Wednesday

DR No. 01		**WRITTEN BY**: Amanda Martin	**PROJECT NUMBER**: 60443903

REQUEST FOR INFORMATION (RFI)

None

TRANSMITTALS / SUBMITTALS

None

AIR MONITORING COMMENTS:

None (no air monitoring was conducted because no intrusive activities were completed.)

SAFETY OBSERVATIONS/VIOLATIONS/COMMENTS

The AECOM team purchased permethrin-imbedded clothing to be worn on site as a tick-preventative measure. The team reviewed concerns about tick safety and practiced caution in the field by tucking pants into socks, performing tick checks, and wearing permethrin-treated clothing.

SITE OBSERVATIONS

Surface water appeared to be prevalent throughout the site at this time, in greater volumes than during the Fall of 2016. Some of the mapped streams did not match the streams present on site - surface water/sediment sampling locations were adjusted accordingly.

ATTACHMENTS

None

Superintendent (Signature):

Amanda Martin

Daily Photos

Photo 1. AECOM Geologist John Schroeder completing soil sample location flagging at DU09 with the Trimble Geo7X GPS unit.

Photo 2. Southern arrowwood (endangered plant species) at DU09, which was flagged to prevent disturbance to the vegetation during clearing.

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/1/2017 Thursday

DR No. 02		**WRITTEN BY**: Amanda Martin			**PROJECT NUMBER**: 60443903
Weather: H 70°F AM Fog, PM Mostly Sunny		**Days without a lost time injury:** 2			
NAME:	**HRS**	**TRADE:**	**COMPANY:**	**EQUIPMENT:**	**VISITORS/AFFILIATION:**
Mike Glinski	11	SSHO, Geologist	AECOM	Solonist Interface Probe	None
Bob Burns	11	SSHO, Scientist	AECOM	Solonist Water Level Meter (3)	
Brendan McGuinness	11	Field Quality Manager	AECOM	MiniRae 3000 PID (6)	
Amanda Martin	11	Site Supervisor	AECOM	Dust Trak II Dust Meter (2)	
Andrew Borden	11	Geologist	AECOM	Geotech Baldder Pump (1)	
John Schroeder	11	Geologist	AECOM	ProActive Monsoon Pump (6)	
Jeff Dvorak	11	Environmental Scientist	AECOM	Hand Auger (1)	
Rachel MacPhee	11	Geologist	AECOM	Ponar Sediment Sampler	
Nicole Schulman	11	Environmental Scientist	AECOM	Eijkelkamp Flap gouge auger	
McKenzie Miller	11	Environmental Scientist	AECOM	Trimble Geo 7X GPS (5)	
Alexi Weber	11	Environmental Scientist	AECOM	Shondstadt Magnetometer (2)	
Catey Lavagnino	11	Ecologist	AECOM	Monsoon Pumps (8)	
Steve Glenn	11	Botanist	AECOM		
Guy Cabral	8	Vegetation Removal	Cascade/ADT		
Tom Sheerin	8	Vegetation Removal	Cascade/ADT		
DAILY TOTAL	159				
TOTAL TO DATE	308.5	*(on-site hours only)*			

SUBCONTRACTORS:	**SITE DELIVERIES (indicate size, type, and condition):**
Cascade/ADT	None

WORKED PERFORMED BY AECOM

The AECOM team arrived on site at 0700 completed the Morning Tailgate Health and Safety Meeting and reviewed the task hazards associated with scheduled scheduled field work for the day. The ADT team arrived onsite at 0830 and completed a separate Morning Tailgate Health and Safety Meeting with the Site Supervisor and SSHO, which included UXO Awareness Training, reviewing the health and and safety plan, and reviewing task hazards associated with scheduled field work for the day.

Preparation Activities

The team finalized location flagging for soil samples, monitoring wells, and surface water/sediment samples.

Wetlands Delineation

Wetlands delineation, including wetlands flagging, equipment buffer zone flagging, and collection of GIS data for wetland boundaries, was completed at DU07, DU08, DU09, DU15, DU16, DU17, and DU18.

Rare Plant Surveys

Rare plant species were flagged at DU08, DU11, DU13, DU14, and DU17. Southern arrowwood was the only rare plant noted on the site at this time.

Vegetation Clearance

Vegetation clearance for drill rig access was completed by ADT/Cascade with AECOM Geologist and Botanist oversight at DU09, DU14, DU13 (monitoring well access only), DU11 (monitoring well access only), DU17, and DU01.

Surface Water and Sediment Sampling

Surface water and sediment samples were collected at locations CH-SWSD101 through CH-SWSD110. Samples were collected for metals (including mercury) and SVOCs/PAHs. 10% of samples were also collected for hexavalent chromium (with pH and ORP for sediment). The pH of the liquid hexavalent chromium was checked and adjusted in the field according to the procedure outlined in the SAP. Water quality parameters were collected for surface water. Field data were recorded on the SW/SD sample forms and electronically via the EDGE software.

Sample Management

Surface water and sediment samples collected collected were Quality Control checked, recorded on Chain of Custody records, and packed on ice for storage. Sample coolers will be picked up by the Eurofins Lancaster courier on Friday 6/2/17 and held on fresh ice until that time. Chain of Custody records will be e-mailed to the Project Chemist (Devon Chicoine) and the Laboratory Project Manager prior to delivery to the laboratory.

WORK COMPLETED BY AECOM SUBCONTRACTORS

Vegetation clearance for drill rig access was completed by ADT/Cascade with AECOM Geologist and Botanist oversight at DU09, DU14, DU13 (monitoring well access only), DU11 (monitoring well access only), DU17, and DU01.

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/1/2017 Thursday

DR No. 02		**WRITTEN BY**: Amanda Martin	**PROJECT NUMBER**: 60443903

AGREEMENTS MADE/CONVERSATIONS (Refer to telecons, phone records, and/or logbooks for details)

- Tom Dess (NY State Parks Superintendent) was notified of the number of team members on site at the start of the day.

REQUEST FOR INFORMATION (RFI)

None

TRANSMITTALS / SUBMITTALS

None

AIR MONITORING COMMENTS:

None (no air monitoring was conducted because no intrusive activities were completed.)

SAFETY OBSERVATIONS/VIOLATIONS/COMMENTS

The AECOM team purchased permethrin-imbedded clothing to be worn on site as a tick-preventative measure. The team reviewed concerns about tick safety and practiced caution in the field by tucking pants into socks, performing tick checks, and wearing permethrin-treated clothing.

SITE OBSERVATIONS

None

ATTACHMENTS

None

Superintendent (Signature):

Amanda Martin

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/1/2017 Thursday

DR No. 02		**WRITTEN BY**: Amanda Martin	**PROJECT NUMBER**: 60443903

Daily Photos

Photo 1. Sediment sample collection with the Eijkelkamp flap gouge auger. A grey, clayey-silt is shown in the auger.

Photo 2. Surface water and sediment sampling activities in stream adjacent to DU05/DU06.

Photo 3. The Camp Hero Phase III (week 1) field team (missing two team members).

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/2/2017 Friday

DR No. 03	**WRITTEN BY**: Amanda Martin		**PROJECT NUMBER**: 60443903
Weather: H 68°F Mostly Sunny	**Days without a lost time injury:** 3		

NAME:	HRS	TRADE:	COMPANY:	EQUIPMENT:	VISITORS/AFFILIATION:
Mike Glinski	11	SSHO, Geologist	AECOM	Solonist Interface Probe	None
Bob Burns	11	SSHO, Scientist	AECOM	Solonist Water Level Meter (3)	
Brendan McGuinness	11	Field Quality Manager	AECOM	MiniRae 3000 PID (6)	
Amanda Martin	11	Site Supervisor	AECOM	Dust Trak II Dust Meter (2)	
Andrew Borden	11	Geologist	AECOM	Geotech Baldder Pump (1)	
John Schroeder	11	Geologist	AECOM	ProActive Monsoon Pump (6)	
Jeff Dvorak	11	Environmental Scientist	AECOM	Hand Auger (1)	
Rachel MacPhee	11	Geologist	AECOM	Ponar Sediment Sampler	
Nicole Schulman	11	Environmental Scientist	AECOM	Eijkelkamp Flap gouge auger	
McKenzie Miller	11	Environmental Scientist	AECOM	Trimble Geo 7X GPS (5)	
Alexi Weber	11	Environmental Scientist	AECOM	Shondstadt Magnetometer (2)	
Catey Lavagnino	11	Ecologist	AECOM	Monsoon Pumps (8)	
Steve Glenn	11	Botanist	AECOM		
Guy Cabral	10	Vegetation Removal	Cascade/ADT		
Tom Sheerin	10	Vegetation Removal	Cascade/ADT		
DAILY TOTAL	163				
TOTAL TO DATE	471.5	*(on-site hours only)*			

SUBCONTRACTORS:	SITE DELIVERIES (indicate size, type, and condition):
Cascade/ADT	None

WORKED PERFORMED BY AECOM

The AECOM and Cascade/ADT team arrived on site at 0700 completed the Morning Tailgate Health and Safety Meeting and reviewed the task hazards associated with scheduled field work for the day.

Wetlands Delineation and Mitigation

Wetlands delineation, including wetlands flagging, equipment buffer zone flagging, and collection of GIS data for wetland boundaries, was finalized at all DUs. Wetlands mitigation procedures were addressed at DUs with drilling operations planned. See attached "'Summary of Observed Wetlands and Proposed Mitigation Procedures" table. The DU sampling grid for DU07 was shifted to the west to allow for more sample locations to be accessed by a drill rig, while avoiding the 100 ft wetland bufer zone and still encompassing a representative expsoure area covering the targeted former areas of concern.

Vegetation Clearance

Vegetation clearance for drill rig and sampling access was completed by ADT/Cascade with AECOM Geologist and Botanist oversight at DU04, DU05, DU07, DU10 - DU13, DU15, DU16, and DU18. Additional rare plant species were flagged during this process while considering rig access routes.

Surface Water and Sediment Sampling

Surface water and sediment samples were collected at locations CH-SWSD056 through CH-SWSD079. The stream channel for locations CH-SWSD066, 070, 071, and 079 were dry; therefore, only sediment samples were collected at these locations. Samples were collected for metals (including mercury) and SVOCs/PAHs. 10% of samples were also collected for hexavalent chromium (with pH and ORP for sediment). The pH of the liquid hexavalent chromium was checked and adjusted in the field according to the procedure outlined in the SAP. Water quality parameters were collected for surface water, including pH, DO, ORP, specific conductivity, temperature, and turbidity. Field data were recorded on the SW/SD sample and electronically via the EDGE software.

Filtered surface water samples were also collected for all parameters if the turbidity of the surface water was > 10 NTU. The turbidity of the water was below 10 NTU at all locations except CH-SWSD068 and CH-SWSD072.

Stream Characterization

Stream characterization survey forms were completed for stream segments associated with SW/SD sample locations CH-SWSD056 through 065 and CH-SWSD096 through 110. Stream characterization information collected included stream width, bottom type, water dpeth, whether the stream was revetted, if it has perennial flow, whether it is shaded, and additional significant site and ecological observations.

Sample Management

Surface water and sediment samples collected collected were Quality Control checked, recorded on Chain of Custody records, and packed on ice for storage. Seven sample coolers were picked up by the Eurofins Lancaster courier for transport to the laboratory. Additional coolers of samples were prepared and will be stored on fresh ice until the next courier pick-up. Chain of Custody records were e-mailed to the Project Chemist (Devon Chicoine) and the Laboratory Project Manager prior to delivery to the laboratory.

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/2/2017 Friday

DR No. 03		**WRITTEN BY**: Amanda Martin	**PROJECT NUMBER**: 60443903

WORK COMPLETED BY AECOM SUBCONTRACTORS

ADT/Cascade completed vegetation clearance at DU04, DU05, DU07, DU10 - DU13, DU15, DU16, and DU18.

AGREEMENTS MADE/CONVERSATIONS (Refer to telecons, phone records, and/or logbooks for details)

- Tom Dess (NY State Parks Superintendent) was notified of the number of team members on site at the start of the day.
- One fact sheet was provided to a Montauk resident asking team members about the project.

REQUEST FOR INFORMATION (RFI)

None

TRANSMITTALS / SUBMITTALS

None

AIR MONITORING COMMENTS:

None (no air monitoring was conducted because no intrusive activities were completed.)

SAFETY OBSERVATIONS/VIOLATIONS/COMMENTS

During surface water and sediment sampling along streams with wooden reventments, the team was cautious not to step or stand on the revetments, as some are rotting and could collapse under weight. Additionally, the team observed some wooden planks that had been displaced with nails face up. The team was cautious to not step on or touch the nails during sampling activities.

SITE OBSERVATIONS

A box turle (endangered species) was observed near DU09.

ATTACHMENTS

Summary of Observed Wetlands and Proposed Mitigation Procedures

Superintendent (Signature):

Amanda Martin

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/2/2017 Friday

DR No. 03		**WRITTEN BY**: Amanda Martin	**PROJECT NUMBER**: 60443903

Daily Photos

Photo 1. Surface water and sediment sampling activities near CH-SWSD056 through CH-SWSD079.

Photo 2.

Summary of Observed Wetlands and Proposed Mitigation Procedures, June 2, 2017
Phase III Remedial Investigation
Camp Hero, Montauk, New York

DU	Wetlands Observed	Wetlands Mitigation Required	Proposed Mitigation Procedures
DU01	No Wetland Conditions Observed	None	Site Standard (1)
AST35/FPH	Wetland Conditions Observed	Wells located to delineate downgradient portion of DU01 LNAPL plume; two wells planned in observed wetlands are still required to delineate groundwater impacts; mitigation procedures will be required.	Relocate wells outside wetland limits where possible; where not possible, utilize wetland mats and catch basin to collect liquid and soil cuttings to minimize potential release to wetlands. Relocating wells is consistent with SAP flexibility and 5/9/17 site walk.
DU02	Wetland Conditions Observed within State Mapped Wetland Boundary (Class 2)	None - no drilling	Site Standard (1)
DU03	Wetland Conditions Observed throughout approx. 90% of DU	Planned drill rig sampling operations located within observed wetlands.	Hand auger samples instead of using direct push drill rig within wetland limits. Collecting subsurface soil samples within wetlands with a hand auger is consistent with SAP flexibility.
DU04	No Wetland Conditions Observed	None - no drilling	Site Standard (1)
DU05	Wetland Conditions Observed throughout approx. 40-50% of DU	Planned drill rig sampling operations located within observed wetlands.	Hand auger samples within wetland limits. Collecting subsurface soil samples within wetlands with a hand auger is consistent with SAP flexibility.
DU06	Wetland Conditions observed through minimal portion of DU	Planned drill rig sampling operations located within observed wetlands.	Relocate sample borings outside wetland limits. Wells to be installed in park-maintained lawn outside of wetland limit. Collecting subsurface soil samples within wetlands with a hand auger is consistent with SAP flexibility.
DU07	Wetland Conditions Observed within State Mapped Wetland Boundary (Class 1). Additional wetland conditions outside state-mapped boundary observed. Wetlands cover approx. 75% of DU.	Planned drill rig sampling operations, planned well installations within observed wetlands and buffer zone.	Entire DU07 boundary will be shifted slightly west to avoid wetlands to the extent possible, while still encompassing the exposure area. Hand auger samples instead of using direct push drill rig wells within wetland limits and 100 ft buffer zone of state mapped wetlands. Relocate wells outside of wetland limits and 100 ft buffer zone of state mapped wetlands. Well location CH-MW038 will be adjusted to avoid wetlands and 100 ft buffer zone, placed in park-maintained lawn to west of DU. Well CH-MW039 will be moved to in vicinity of DU15 because moving well outside buffer zone at DU07 would put well close to previously-installed wells CH-MW006 and CH-MW005 (already sufficient groundwater coverage in the area).
DU08	Wetland Conditions Observed within State Mapped Wetland Boundary (Class 1). Additional wetland conditions outside state-mapped boundary observed. Wetlands cover approx. 90% of DU.	Planned drill rig sampling operations, planned well installations within observed wetlands and buffer zone.	Relocate wells along existing, maintained roadway and shoulder. Drill rigs will not leave road. As discussed on 5/9/17 site walk, surface water and sediment samples will be collected instead of soil samples.
DU09	No Wetland Conditions Observed	None	Site Standard (1)
DU10	No Wetland Conditions Observed	None - no drilling	Site Standard (1)
DU11	Wetland Conditions Observed throughout approx. 10% observed	Planned well installations within observed wetlands.	Relocate wells outside of wetland limits, if necessary, and utilize wetland mats and catch basin to collect liquid and soil cuttings to minimize potential release to wetlands. Relocating wells is consistent with SAP flexibility and 5/9/17 site walk.
DU12	No Wetland Conditions Observed	None	Site Standard (1)
DU13	No Wetland Conditions Observed	None	Site Standard (1)
DU14	No Wetland Conditions Observed	None	Site Standard (1)

Summary of Observed Wetlands and Proposed Mitigation Procedures, June 2, 2017
Phase III Remedial Investigation
Camp Hero, Montauk, New York

DU	Wetlands Observed	Wetlands Mitigation Required	Proposed Mitigation Procedures
DU15	Wetland Conditions Observed within State Mapped Wetland Boundary (Class 1). Additional wetland conditions extended north of mapped wetlands. Wetland conditions cover 100% of the DU.	Planned drill rig sampling operations, and planned well installation downgradient of debris area with previous PCB detection in grab-groundwater, within observed wetland and buffer zone.	Relocate well outside of wetland limits and 100 ft buffer zone. For soil samples, consistent with SAP, subsurface soil samples within wetlands will be collected with hand auger. For well location CH-MW040, move to northwest outside buffer zone pending decision on mitigation procedures. Add well CH-MW039 to the northeast outside the buffer zone.
DU16	Wetland conditions observed within approx. 20% of the DU.	Planned drill rig sampling operations within observed wetlands.	Relocate sample borings outside wetland limits or hand auger samples. Collecting subsurface soil samples within wetlands with a hand auger is consistent with SAP flexibility.
DU17	Wetland conditions observed within approx. 30% of the DU.	Planned well installation within observed wetlands.	Relocate well location outside of wetland limits. Collecting subsurface soil samples within wetlands with a hand auger is consistent with SAP flexibility.
DU18	No Wetland Conditions Observed (although state mapped wetlands are shown)	None	Site Standard (1)
STB	Wetland Conditions Observed within State Mapped Wetland Boundary (Class 1).	Planned well installations within100 ft buffer zone.	Relocate wells outside of wetland limits on park-maintained lawn (within 100 ft buffer). Collecting subsurface soil samples within wetlands with a hand auger is consistent with SAP flexibility.

Notes

(1) Site Standard Mitigation Procedures include, but are not limited to, minimal vegetation clearance, tree clearing limited to trees under 3", etc.

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/3/2017 Saturday

DR No. 04		**WRITTEN BY**: Amanda Martin			**PROJECT NUMBER**: 60443903
Weather: H 68°F	Mostly Sunny	**Days without a lost time injury:**	4		

NAME:	**HRS**	**TRADE:**	**COMPANY:**	**EQUIPMENT:**	**VISITORS/AFFILIATION:**
Mike Glinski	9	SSHO, Geologist	AECOM	Solonist Interface Probe	None
Bob Burns	9	SSHO, Scientist	AECOM	Solonist Water Level Meter (3)	
Brendan McGuinness	9	Field Quality Manager	AECOM	MiniRae 3000 PID (6)	
Amanda Martin	9	Site Supervisor	AECOM	Dust Trak II Dust Meter (2)	
Andrew Borden	9	Geologist	AECOM	Geotech Baldder Pump (1)	
John Schroeder	9	Geologist	AECOM	ProActive Monsoon Pump (6)	
Jeff Dvorak	9	Environmental Scientist	AECOM	Hand Auger (1)	
Rachel MacPhee	9	Geologist	AECOM	Ponar Sediment Sampler	
Nicole Schulman	0	Environmental Scientist	AECOM	Eijkelkamp Flap gouge auger	
McKenzie Miller	9	Environmental Scientist	AECOM	Trimble Geo 7X GPS (5)	
Alexi Weber	9	Environmental Scientist	AECOM	Shondstadt Magnetometer (2)	
Catey Lavagnino	9	Ecologist	AECOM	Monsoon Pumps (8)	
Steve Glenn	1	Botanist	AECOM		
Guy Cabral	0	Vegetation Removal	Cascade/ADT		
Tom Sheerin	0	Vegetation Removal	Cascade/ADT		
DAILY TOTAL	100				
TOTAL TO DATE	571.5	*(on-site hours only)*			

SUBCONTRACTORS:	**SITE DELIVERIES (indicate size, type, and condition):**
None	None

WORKED PERFORMED BY AECOM

The AECOM team arrived on site at 0700 completed the Morning Tailgate Health and Safety Meeting and reviewed the task hazards associated with scheduled field work for the day.

Surface Water and Sediment Sampling

Surface water and sediment samples were collected at locations CH-SWSD046 through 059 and CH-SWSD112 through 114. Additionally, surface water samples were collected at CH-SWSD115 through 125; sediment samples will be collected during the next day of sampling. Samples were collected for metals (including mercury) and SVOCs/PAHs. 10% of samples were also collected for hexavalent chromium (with pH and ORP for sediment). The pH of the liquid hexavalent chromium was checked and adjusted in the field according to the procedure outlined in the SAP. Water quality parameters were collected for surface water, including pH, DO, ORP, specific conductivity, temperature, and turbidity. Field data were recorded on the SW/SD sample and electronically via the EDGE software.

Filtered surface water samples were also collected for all parameters if the turbidity of the surface water was > 10 NTU.

Stream Characterization

Stream characterization survey forms were completed for stream segments associated with SW/SD sample locations CH-SWSD084 through 001, 085 through 026, 025 through 004, and 007 through 146 (refer to SAP Figure 17-1). Stream characterization information collected included stream width, bottom type, water depth, whether the stream was revetted, if it has perennial flow, whether it is shaded, and additional significant site and ecological observations. A pipe (potentially associated with the sitewide waste disposal system) was discovered discharging to the stream along the main eastern discharge channel, south of location CH-SWSD095 but north of the septic tank. Additionally, a manole with flowing water was noted adjacent to the pipe (see photos below).

Sample Management

Surface water and sediment samples collected collected were Quality Control checked, recorded on Chain of Custody records, and packed on ice for storage. Coolers will be stored on fresh ice until the next courier pick-up. Chain of Custody records were e-mailed to the Project Chemist (Devon Chicoine) and the Laboratory Project Manager prior to delivery to the laboratory.

WORK COMPLETED BY AECOM SUBCONTRACTORS

None

AGREEMENTS MADE/CONVERSATIONS (Refer to telecons, phone records, and/or logbooks for details)

- Tom Dess (NY State Parks Superintendent) was notified of the number of team members on site at the start of the day.
- One fact sheet was provided to a Montauk resident asking team members about the project.

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/3/2017 Saturday

DR No. 04		**WRITTEN BY**: Amanda Martin	**PROJECT NUMBER**: 60443903

REQUEST FOR INFORMATION (RFI)

None

TRANSMITTALS / SUBMITTALS

None

AIR MONITORING COMMENTS:

None (no air monitoring was conducted because no intrusive activities were completed.)

SAFETY OBSERVATIONS/VIOLATIONS/COMMENTS

The team reviewed procedures for working along roadways throughout the park. Cones will be placed around vehicles and hazard lights will be flashing when parked and working along the road. Additionally, team members will wear high-visibility vests.

SITE OBSERVATIONS

None

ATTACHMENTS

None

Superintendent (Signature):

Amanda Martin

Daily Photos

Photo 1. Pipe discovered (potentially associated with the sitewide waste disposal system) was discovered discharging to the stream along the main eastern discharge channel, south of location CH-SWSD095 but north of the septic tank.

Photo 2. A manole with flowing water noted adjacent to the pipe in Photo 1.

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/5/2017 Monday

DR No. 05	**WRITTEN BY**: Amanda Martin		**PROJECT NUMBER**: 60443903
Weather: H 65°F Intermittant Rain, Clouds	**Days without a lost time injury:** 5		

NAME:	HRS	TRADE:	COMPANY:	EQUIPMENT:	VISITORS/AFFILIATION:
Mike Glinski	11	SSHO, Geologist	AECOM	Solonist Interface Probe	Paul Young, USACE
Bob Burns	11	SSHO, Scientist	AECOM	Solonist Water Level Meter (3)	Jeff Baker, TWS
Brendan McGuinness	11	Field Quality Manager	AECOM	MiniRae 3000 PID (6)	
Amanda Martin	11	Site Supervisor	AECOM	Dust Trak II Dust Meter (2)	
Andrew Borden	11	Geologist	AECOM	Geotech Baldder Pump (1)	
John Schroeder	11	Geologist	AECOM	ProActive Monsoon Pump (6)	
Jeff Dvorak	11	Environmental Scientist	AECOM	Hand Auger (1)	
Rachel MacPhee	11	Geologist	AECOM	Ponar Sediment Sampler	
Nicole Schulman	11	Environmental Scientist	AECOM	Eijkelkamp Flap gouge auger	
McKenzie Miller	11	Environmental Scientist	AECOM	Trimble Geo 7X GPS (5)	
Alexi Weber	11	Environmental Scientist	AECOM	Shondstadt Magnetometer (2)	
Toshiro Gibson	11	UXO Technician II	AECOM	John Deere Skid-Steerer (1)	
Dave Moon	10	Driller	Cascade/ADT	Monsoon Pumps (8)	
Tony Palomeque	10	Driller	Cascade/ADT	Sonic Fraste XL Drill Rig (2)	
Daniel Johnson	10	Driller	Cascade/ADT	Drill Rig Support Trucks (2)	
Todd Laderwager	10	Driller	Cascade/ADT		
Dylan Jewell	10	Driller	Cascade/ADT		
Guy Cabral	10	Vegetation Removal	Cascade/ADT		
Tom Sheerin	10	Vegetation Removal	Cascade/ADT		
DAILY TOTAL	202				
TOTAL TO DATE	773.5	*(on-site hours only)*			

SUBCONTRACTORS:	SITE DELIVERIES (indicate size, type, and condition):
Cascade/ADT	None

WORKED PERFORMED BY AECOM

The AECOM and Cascade/ADT team arrived on site at 0700 completed the Morning Tailgate Health and Safety Meeting and reviewed the task hazards associated with scheduled field work for the day. New team members review the Accident Prevention Plan and signed the acknolwedgement and applicable AHAs. Toshiro Gibson lead UXO Anomaly Avoidance training for the team.

Preparation Activities

The drillers staged their equipment and supplies at the drum storage area across from the Motor Pool building, as requested by NYS Parks. A decontamination pad was also contructed in this area. Additionally, a site walk was completed with the drill team leads to assess accissibility at certain locations of concern.

Two planned well locations will not be accessible with the sonic drill rig for installation:

- CH-MW024 (near AST35/FPH); the space between the FPH building, fence, and AST35 containment wall are not wide enough; additionally, the well is located strategically to target the edge of the DU01 LNAPL plume, but falls within a wetland; a smaller, lighter rig would cause less damage to the wetland compared to the large Fraste XL Sonic drill rig.
- CH-MW040 (near DU15); location is too heavily vegetated and steep slopes for sonic rig access. Note this one is offset to the northeast on the maps to avoid the wetland and buffer zone per DR 6/1/17. Vegetation but it would require removing trees greater than 3", which should be avoided due to Northern long-eared bat habitat concerns.

The recommendation from the drilling team and the AECOM/USACE Geology team (Paul Young and PJ Mion, via phonecall) is to install these wells using the direct push rig. They will confirm with the rest of the USACE team with a final answer tomorrow.

The main reason for using the sonic rig is to install a 2" sand annulus around the casing to allow more water to enter the well. The direct push rig would install a well with a smaller sand annulus. However, both of these wells are in /adjacent to wetland areas so water recovery will likely be fine with a 1" sand annulus.

Additionally, surface water and sediment sampling locations CH-SWSD141 - 155 were flagged near DU08.

UXO Anomaly Avoidance

UXO anomaly avoidance was conducted by the UXO Technician II at STB well locations, DU05, DU07, DU09 through DU17. All locations were cleared for investigation activities.

Vegetation Clearance

Vegetation clearance for SW/SD sampling access was completed by ADT/Cascade with AECOM scientist oversight at DU08.

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/5/2017 Monday

DR No. 05		**WRITTEN BY**: Amanda Martin	**PROJECT NUMBER**: 60443903

Surface Water and Sediment Sampling

Surface water and sediment samples were collected at locations CH-SWSD080 through 095. Samples were collected for metals (including mercury) and SVOCs/PAHs. 10% of samples were also collected for hexavalent chromium (with pH and ORP for sediment). The pH of the liquid hexavalent chromium was checked and adjusted in the field according to the procedure outlined in the SAP. Water quality parameters were collected for surface water, including pH, DO, ORP, specific conductivity, temperature, and turbidity. Field data were recorded on the SW/SD sample and electronically via the EDGE software.

Filtered surface water samples were also collected for all parameters if the turbidity of the surface water was > 10 NTU.

Monitoring Well Installation

Monitoring wells CH-MW026 through 028 were installed in the vicinity of former AOC "Suspected Tank B" (STB). Monitoring wells CH-MW041 and 042 were installed in the vicinity of DU06 (former power plant). Wells were installed via sonic drilling methods in accordance to the SAP.

Sample Management

Surface water and sediment samples collected collected were Quality Control checked, recorded on Chain of Custody records, and packed on ice for storage. The courier picked up 11 coolers for transport to the laboratory. Chain of Custody records were e-mailed to the Project Chemist (Devon Chicoine) and the Laboratory Project Manager prior to delivery to the laboratory.

WORK COMPLETED BY AECOM SUBCONTRACTORS

None

AGREEMENTS MADE/CONVERSATIONS (Refer to telecons, phone records, and/or logbooks for details)

- Tom Dess (NY State Parks Superintendent) was notified of the number of team members on site at the start of the day.

REQUEST FOR INFORMATION (RFI)

- Paul Young (USACE) requested concurrence from Megan Cullen (USACE Technical Lead) on the monitoring well installation deviation described in the "Preparation Activities" section above.
- Amanda Martin requested confirmation on the Wetlands Mitigation Procedures described in the 6/2/17 Daily Report; Paul Young will contact Megan Cullen tomorrow.

TRANSMITTALS / SUBMITTALS

None

AIR MONITORING COMMENTS:

Continuous air monitoring was completed downwind of the drill rig, in accordance with the modified generic NYSDOH CAMP (see SAP Appendix H). No exceedances were observed.

SAFETY OBSERVATIONS/VIOLATIONS/COMMENTS

For surface water and sediment sample access near DU08 (Chlorine Contact Chamber), two paths were created through the dense vegetation. At one point, one path crosses the revetted stream where samples will be collected. Plywood planks were placed across the revetted stream to create a path of safe access for the team.

SITE OBSERVATIONS

None

ATTACHMENTS

Phase III Field Checklists

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/5/2017 Monday

DR No. 05		**WRITTEN BY**: Amanda Martin	**PROJECT NUMBER**: 60443903

Superintendent (Signature):

Amanda Martin

Daily Photos

Photo 1. An exclusion zone was created around the drill rig at each drilling location, utilizing traffic cones, caution tape, and an Exclusion Zone sign.

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/6/2017 Tuesday

DR No. 06	**WRITTEN BY**: Amanda Martin		**PROJECT NUMBER**: 60443903
Weather: H 56°F Intermittant Rain, Clouds	**Days without a lost time injury:** 6		

NAME:	HRS	TRADE:	COMPANY:	EQUIPMENT:	VISITORS/AFFILIATION:
Mike Glinski	11	SSHO, Geologist	AECOM	Solonist Interface Probe	Paul Young, USACE
Bob Burns	11	SSHO, Scientist	AECOM	Solonist Water Level Meter (3)	Jeff Baker, TWS
Brendan McGuinness	11	Field Quality Manager	AECOM	MiniRae 3000 PID (6)	Shawn Miller, Cascade/ADT
Amanda Martin	11	Site Supervisor	AECOM	Dust Trak II Dust Meter (2)	
Andrew Borden	11	Geologist	AECOM	Geotech Baldder Pump (1)	
John Schroeder	11	Geologist	AECOM	ProActive Monsoon Pump (6)	
Jeff Dvorak	11	Environmental Scientist	AECOM	Hand Auger (1)	
Rachel MacPhee	11	Geologist	AECOM	Ponar Sediment Sampler	
Nicole Schulman	11	Environmental Scientist	AECOM	Eijkelkamp Flap gouge auger	
McKenzie Miller	11	Environmental Scientist	AECOM	Trimble Geo 7X GPS (5)	
Alexi Weber	11	Environmental Scientist	AECOM	Shondstadt Magnetometer (2)	
Toshiro Gibson	11	UXO Technician II	AECOM	John Deere Skid-Steerer (1)	
Dave Moon	10	Driller	Cascade/ADT	Monsoon Pumps (8)	
Tony Palomeque	10	Driller	Cascade/ADT	Sonic Fraste XL Drill Rig (2)	
Daniel Johnson	10	Driller	Cascade/ADT	Drill Rig Support Trucks (2)	
Todd Laderwager	10	Driller	Cascade/ADT		
Dylan Jewell	10	Driller	Cascade/ADT		
Guy Cabral	10	Vegetation Removal	Cascade/ADT		
Tom Sheerin	10	Vegetation Removal	Cascade/ADT		
DAILY TOTAL	202				
TOTAL TO DATE	975.5	*(on-site hours only)*			

SUBCONTRACTORS:	SITE DELIVERIES (indicate size, type, and condition):
Cascade/ADT	20 CY roll-off container for soil cuttings, Clean Ventures, good condition
	6,000 gal Frac Tank, Rain for Rent, good condition

WORKED PERFORMED BY AECOM

The AECOM and Cascade/ADT team arrived on site at 0700 completed the Morning Tailgate Health and Safety Meeting and reviewed the task hazards associated with scheduled field work for the day.

UXO Anomaly Avoidance

UXO anomaly avoidance was conducted by the UXO Technician II at DU01, AST35/FPH, DU04, DU08, and DU18. All locations were cleared for investigation activities.

Vegetation Clearance

Vegetation clearance for drill rig access was completed by ADT/Cascade with AECOM oversight at AST35/FPH, DU15 (CH-MW040), and DU11 (CH-MW032).

Surface Water and Sediment Sampling

Surface water and sediment samples were collected at locations CH-SWSD031 through 045. Sediment samples were collected at locations CH-MW015 and 119 through 125 (where surface water were collected on 6/2/17). Samples were collected for metals (including mercury) and SVOCs/PAHs. 10% of samples were also collected for hexavalent chromium (with pH and ORP for sediment). The pH of the liquid hexavalent chromium was checked and adjusted in the field according to the procedure outlined in the SAP. Water quality parameters were collected for surface water, including pH, DO, ORP, specific conductivity, temperature, and turbidity. Field data were recorded on the SW/SD sample and electronically via the EDGE software.

Filtered surface water samples were also collected for all parameters if the turbidity of the surface water was > 10 NTU.

Monitoring Well Installation

Monitoring wells CH-MW029, 030, 032 to 035 were installed in the vicinity of DU11, DU12, DU17, and DU13. Well CH-MW043 was installed behind (south of) the motor pool building adjacent to the former hydraulic lift. Wells were installed via sonic drilling methods in accordance to the SAP.

Sample Management

Surface water and sediment samples collected collected were Quality Control checked, recorded on Chain of Custody records, and packed on ice for storage. Samples will be held on fresh ice until the next courier pick-up. Chain of Custody records were e-mailed to the Project Chemist (Devon Chicoine) and the Laboratory Project Manager prior to delivery to the laboratory.

WORK COMPLETED BY AECOM SUBCONTRACTORS

Cascade/ADT installed monitoring wells CH-MW029, 030, 032 to 035 and 043. A hydraulic line ruptured on one of the drill rigs during drilling activities and Cascade/ADT completed maintenance and clean-up for 45 minutes. Absorbant pads were used to contain the minimal hydraulic fluid released. Additionally, the team staged soil cuttings and liquid IDW in drums for transport to the soil roll-off and poly tank and completed well vaults and concrete pads. Two team members completed vegetation clearance at at AST35/FPH, DU15 (CH-MW040), and DU11 (CH-MW032).

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/6/2017 Tuesday

DR No. 06		**WRITTEN BY**: Amanda Martin	**PROJECT NUMBER**: 60443903

AGREEMENTS MADE/CONVERSATIONS (Refer to telecons, phone records, and/or logbooks for details)

- Tom Dess (NY State Parks Superintendent) was notified of the number of team members on site at the start of the day.

- Mr. Dess was also contacted regarding scheduling of installation of monitoring wells CH-MW036 and 037 near DU08 (Chlorine Contact Chamber), since the Old Montauk Highway will be closed on the date of the installation. Mr. Dess indicated that he had photography shoots scheduled in that area on Wednesday 6/7/17, Thursday 6/8/17, and Tuesday 6/13/17. The agreement was to install wells at DU08 on Friday 6/9/17, on the last day of well installation.

- Paul Young (USACE New England Technical Project oversight) indicated that the team has USACE approval for installation of the two monitoring wells (CH-MW024 and 040) could be installed with the direct push rig, with the well construction specifications discussed by the AECOM and USACE geologists.The USACE New England Technical Project oversight requested the prepacked well screens be constructed of 2-inch well screens with a sand pack surrounding the 2-inch well screens at least a 1.25-inch thick for a total outside diameter of the prepacked well screens and sand filter to be 3.25. It was also mentioned by USACE that small diameter augers could be used by the direct push drilling rig. Alternatively, the wells could be constructed traditionally if the direct push rig could spin small augers.

- Mark Kauffman (AECOM HTRW Advisor) discussed the wetlands mitigation summary with Megan Cullen (USACE New England Technical Lead), who referred information on the concerns to Greg Goepfert (USACE New York Project Manager). Mr. Goepfert and Ms. Cullen agreed that the team could proceed as recommended after documenting the decisions in the summary table and requested a few revisions to the table (see attached). The team will proceed with work in wetland areas as documented on the Wetlands

- Nick Acampora (NYSDEC) was notified that the teab is on track to complete the well installations and Shelby tube sample collection at former Building 203 Thursday (June 8, 2017). Mr. Acampora indicated that he intends to visit the site on that date.

REQUEST FOR INFORMATION (RFI)

The AECOM team updated the Summary of Observed Wetlands and Proposed Mitigation Procedures to show additional details for planned wetland mitigation measures. AECOM requested that the USACE Technical Team please notify AECOM as soon as possible if any feedback is received that should consider be considered to proceed with planned activities.

TRANSMITTALS / SUBMITTALS

None

AIR MONITORING COMMENTS:

Continuous air monitoring was completed downwind of the drill rig, in accordance with the modified generic NYSDOH CAMP (see SAP Appendix H). No exceedances were observed.

SAFETY OBSERVATIONS/VIOLATIONS/COMMENTS

Rainy and potentially stormy weather was forecasted for the day; the team reviewed storm procedures, which included a 30-minute stand-down if lightening were to strike within a 30-mile radius of the Site. The team discussed using the Conex Box/staging area as the muster point and waiting out heavy storms inside vehicles.

SITE OBSERVATIONS

None

ATTACHMENTS

Phase III Field Checklists
Summary of Observed Wetlands and Proposed Mitigation Procedures, 6 June 2017

Superintendent (Signature):

Amanda Martin

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/6/2017 Tuesday

DR No. 06		**WRITTEN BY**: Amanda Martin	**PROJECT NUMBER**: 60443903

Daily Photos

Photo 1. Installation of monitoring well CH-MW043 outside the Motor Pool building, adjacent to the location of the former hydraulic lift.

Summary of Observed Wetlands and Proposed Mitigation Procedures, 6 June 2017
Phase III Remedial Investigation
Camp Hero, Montauk, New York

DU	Wetlands Observed	Wetlands Mitigation Required	Proposed Mitigation Procedures
DU01	No Wetland Conditions Observed	None	Site Standard (1)
AST35/FPH	Wetland Conditions Observed	Wells located to delineate downgradient portion of DU01 LNAPL plume; two wells planned in observed wetlands are still required to delineate groundwater impacts; mitigation procedures will be required.	Relocate wells outside wetland limits where possible; relocating wells is consistent with SAP flexibility and 5/9/17 site walk. Where it is not possible to relocate the well (CH-MW024), utilize wetland mats and catch basin to collect liquid and soil cuttings to minimize potential release of sediment to wetlands, utilize one point of entry and exit, rake ruts and re-seed with wetland seed mix, and verify successful mitigation two weeks post-installation.
DU02	Wetland Conditions Observed within State Mapped Wetland Boundary (Class 2)	None - no drilling	Site Standard (1)
DU03	Wetland Conditions Observed throughout approx. 90% of DU	Planned drill rig sampling operations located within observed wetlands.	Hand auger samples instead of using direct push drill rig within wetland limits. Collecting subsurface soil samples within wetlands with a hand auger is consistent with SAP flexibility.
DU04	No Wetland Conditions Observed	None - no drilling	Site Standard (1)
DU05	Wetland Conditions Observed throughout approx. 40-50% of DU	Planned drill rig sampling operations located within observed wetlands.	Hand auger samples within wetland limits. Collecting subsurface soil samples within wetlands with a hand auger is consistent with SAP flexibility.
DU06	Wetland Conditions observed through minimal portion of DU	Planned drill rig sampling operations located within observed wetlands.	Relocate sample borings outside wetland limits. Wells to be installed in park-maintained lawn outside of wetland limit. Collecting subsurface soil samples within wetlands with a hand auger is consistent with SAP flexibility.
DU07	Wetland Conditions Observed within State Mapped Wetland Boundary (Class 1). Additional wetland conditions outside state-mapped boundary observed. Wetlands cover approx. 75% of DU.	Planned drill rig sampling operations, planned well installations within observed wetlands and buffer zone.	Entire DU07 boundary will be shifted slightly west to avoid wetlands to the extent possible, while still encompassing the exposure area. Hand auger samples instead of using direct push drill rig wells within wetland limits and 100 ft buffer zone of state mapped wetlands. Relocate wells outside of wetland limits and 100 ft buffer zone of state mapped wetlands. Well location CH-MW038 will be adjusted to avoid wetlands and 100 ft buffer zone, placed in park-maintained lawn to west of DU. Well CH-MW039 will be moved to in vicinity of DU15 because moving well outside buffer zone at DU07 would put well close to previously-installed wells CH-MW006 and CH-MW005 (already sufficient groundwater coverage in the area).
DU08	Wetland Conditions Observed within State Mapped Wetland Boundary (Class 1). Additional wetland conditions outside state-mapped boundary observed. Wetlands cover approx. 90% of DU.	Planned drill rig sampling operations, planned well installations within observed wetlands and buffer zone.	Relocate wells along existing, maintained roadway and shoulder. Drill rigs will not leave road. As discussed on 5/9/17 site walk, surface water and sediment samples will be collected instead of soil samples within the DU wetland area.
DU09	No Wetland Conditions Observed	None	Site Standard (1)
DU10	No Wetland Conditions Observed	None - no drilling	Site Standard (1)
DU11	Wetland Conditions Observed throughout approx. 10% observed	Planned well installations within observed wetlands.	Relocate wells outside of wetland limits, if necessary, and utilize wetland mats and catch basin to collect liquid and soil cuttings to minimize potential release to wetlands. Relocating wells is consistent with SAP flexibility and 5/9/17 site walk.
DU12	No Wetland Conditions Observed	None	Site Standard (1)

Summary of Observed Wetlands and Proposed Mitigation Procedures, 6 June 2017
Phase III Remedial Investigation
Camp Hero, Montauk, New York

DU	Wetlands Observed	Wetlands Mitigation Required	Proposed Mitigation Procedures
DU13	No Wetland Conditions Observed	None	Site Standard (1)
DU14	No Wetland Conditions Observed	None	Site Standard (1)
DU15	Wetland Conditions Observed within State Mapped Wetland Boundary (Class 1). Additional wetland conditions extended north of mapped wetlands. Wetland conditions cover 100% of the DU.	Planned drill rig sampling operations, and planned well installation downgradient of debris area with previous PCB detection in grab-groundwater, within observed wetland and buffer zone.	Relocate well CH-MW040 outside of wetland limits and 100 ft buffer zone. For well location CH-MW040, move to northwest outside buffer zone. Move well CH-MW039 to the southeast of the DU, within the buffer zone, but on an existing asphalt which will prevent disturbance to the wetland. For soil samples, consistent with SAP, subsurface soil samples within wetlands will be collected with hand auger.
DU16	Wetland conditions observed within approx. 20% of the DU.	Planned drill rig sampling operations within observed wetlands.	Relocate sample borings outside wetland limits or hand auger samples. Collecting subsurface soil samples within wetlands with a hand auger is consistent with SAP flexibility.
DU17	Wetland conditions observed within approx. 30% of the DU.	Planned well installation within observed wetlands.	Relocate well location outside of wetland limits. Collecting subsurface soil samples within wetlands with a hand auger is consistent with SAP flexibility.
DU18	No Wetland Conditions Observed (although state mapped wetlands are shown)	None	Site Standard (1)
STB	Wetland Conditions Observed within State Mapped Wetland Boundary (Class 1).	Planned well installations within100 ft buffer zone.	Relocate wells outside of wetland limits on park-maintained lawn (within 100 ft buffer). Collecting subsurface soil samples within wetlands with a hand auger is consistent with SAP flexibility.

Notes

(1) Site Standard Mitigation Procedures include, but are not limited to, minimal vegetation clearance and tree clearing limited to trees under 3".

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/7/2017 Wednesday

DR No. 07		**WRITTEN BY**: Amanda Martin	**PROJECT NUMBER**: 60443903
Weather: H 56°F	Intermittant Rain, Clouds	**Days without a lost time injury:** 7	

NAME:	HRS	TRADE:	COMPANY:	EQUIPMENT:	VISITORS/AFFILIATION:
Mike Glinski	11	SSHO, Geologist	AECOM	Solonist Interface Probe	Paul Young, USACE
Bob Burns	11	SSHO, Scientist	AECOM	Solonist Water Level Meter (3)	Jeff Baker, TWS
Brendan McGuinness	11	Field Quality Manager	AECOM	MiniRae 3000 PID (6)	
Amanda Martin	11	Site Supervisor	AECOM	Dust Trak II Dust Meter (2)	
Andrew Borden	11	Geologist	AECOM	Geotech Baldder Pump (1)	
John Schroeder	11	Geologist	AECOM	ProActive Monsoon Pump (6)	
Jeff Dvorak	11	Environmental Scientist	AECOM	Hand Auger (1)	
Rachel MacPhee	10.5	Geologist	AECOM	Ponar Sediment Sampler	
Nicole Schulman	9.5	Environmental Scientist	AECOM	Eijkelkamp Flap gouge auger	
McKenzie Miller	11	Environmental Scientist	AECOM	Trimble Geo 7X GPS (5)	
Alexi Weber	11	Environmental Scientist	AECOM	Shondstadt Magnetometer (2)	
Toshiro Gibson	11	UXO Technician II	AECOM	John Deere Skid-Steerer (1)	
Dave Moon	10	Driller	Cascade/ADT	Monsoon Pumps (8)	
Tony Palomeque	10	Driller	Cascade/ADT	Sonic Fraste XL Drill Rig (2)	
Daniel Johnson	10	Driller	Cascade/ADT	Drill Rig Support Trucks (2)	
Dylan Jewell	10	Driller	Cascade/ADT		
Guy Cabral	10	Driller Support	Cascade/ADT		
Tom Sheerin	10	Driller Support	Cascade/ADT		
DAILY TOTAL	190				
TOTAL TO DATE	1165.5	*(on-site hours only)*			

SUBCONTRACTORS:	SITE DELIVERIES (indicate size, type, and condition):
Cascade/ADT	None

WORKED PERFORMED BY AECOM

The AECOM, USACE, and Cascade/ADT team arrived on site at 0700 completed the Morning Tailgate Health and Safety Meeting and reviewed the task hazards associated with scheduled field work for the day.

UXO Anomaly Avoidance

UXO anomaly avoidance was conducted by the UXO Technician II at DU03. All locations were cleared for investigation activities.

Surface Water and Sediment Sampling

Surface water and sediment samples were collected at locations CH-SWSD126 through 140 for PCBs, metals (including mercury), and SVOCs/PAHs. Surface water and sediment samples were collected at locations CH-SWSD027 thorough 030 and CH-SWSD098 through 100 for metals (including mercury) and SVOCs/PAHs. 10% of site samples were and 100% of background samples were also collected for hexavalent chromium (with pH and ORP for sediment). The pH of the liquid hexavalent chromium was checked and adjusted in the field according to the procedure outlined in the SAP. Water quality parameters were collected for surface water, including pH, DO, ORP, specific conductivity, temperature, and turbidity. Field data were recorded on the SW/SD sample and electronically via the EDGE software.

Filtered surface water samples were also collected for all parameters if the turbidity of the surface water was > 10 NTU.

Monitoring Well Installation

Monitoring wells CH-MW025, 031, 038, and 039 were installed via sonic drilling methods in accordance with the SAP. Monitoring well construction and boring lithology information were recorded electronically via the EDGE software.

Sample Management

Surface water and sediment samples collected collected were Quality Control checked, recorded on Chain of Custody records, and packed on ice for storage. The courier picked up 11 coolers for transport to the laboratory. Chain of Custody records were e-mailed to the Project Chemist (Devon Chicoine) and the Laboratory Project Manager prior to delivery to the laboratory.

WORK COMPLETED BY AECOM SUBCONTRACTORS

Cascade/ADT installed monitoring wells CH-MW025, 031, 038, and 039 . Additionally, the team staged soil cuttings and liquid IDW in drums for transport to the soil roll-off and poly tank, emptied/transferred IDW to said containers, completed well vaults and concrete pads, and restored the work area after drilling activities.

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/7/2017 Wednesday

DR No. 07		**WRITTEN BY**: Amanda Martin	**PROJECT NUMBER**: 60443903

AGREEMENTS MADE/CONVERSATIONS (Refer to telecons, phone records, and/or logbooks for details)

- Tom Dess (NY State Parks Superintendent) was notified of the number of team members on site at the start of the day.

- Megan Cullen (USACE Technical Lead) requested update to the "Summary of Observed Wetlands and Proposed Mitigation Procedures" Table and field mark-up maps of highlighted areas to give to stakeholders. The requested edits and maps were prepared in the field and provided to Ms. Cullen (see attachments to this Daily Report).

- The USACE team has not been able to access the team SharePoint site to view the daily reports. Megan Donauhe (AECOM Deputy Project Manager) requested new updated passwords yesterday and will provide them to the team as soon as they are delivered by the SharePoint Administrator.

REQUEST FOR INFORMATION (RFI)

None

TRANSMITTALS / SUBMITTALS

None

AIR MONITORING COMMENTS:

Continuous air monitoring was completed downwind of the drill rig, in accordance with the modified generic NYSDOH CAMP (see SAP Appendix H). No exceedances were observed.

SAFETY OBSERVATIONS/VIOLATIONS/COMMENTS

None

SITE OBSERVATIONS

None

ATTACHMENTS

Phase III Field Checklists
Summary of Observed Wetlands and Proposed Mitigation Procedures, 7 June 2017
Wetland Field Map Mark-Ups

Superintendent (Signature):

Amanda Martin

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/7/2017 Wednesday

DR No. 07		**WRITTEN BY**: Amanda Martin	**PROJECT NUMBER**: 60443903

Daily Photos

Photo 1. Air monitoring downwind of drilling activities for installation of CH-MW031 (near DU14).

Photo 2. Surface water and sediment sampling activities.

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Summary of Observed Wetlands and Proposed Mitigation Procedures, 7 June 2017
Phase III Remedial Investigation
Camp Hero, Montauk, New York

DU	Wetlands Observed	Wetlands Mitigation Required	Proposed Mitigation Procedures
DU01	No Wetland Conditions Observed	None	Site Standard (1)
AST35/FPH	Wetland Conditions Observed	Two wells located to delineate downgradient portion of DU01 LNAPL plume; two wells planned in observed wetlands are still required to delineate groundwater impacts; mitigation procedures will be required.	Relocate one well outside wetland limits (CH-MW023); relocating well is consistent with SAP flexibility and 5/9/17 site walk. Where it is not possible to relocate the well (CH-MW024), utilize wetland mats and catch basin to collect liquid and soil cuttings to minimize potential release of sediment to wetlands, utilize one point of entry and exit, rake ruts and re-seed with wetland seed mix, and verify successful mitigation two weeks post-installation.
DU02	Wetland Conditions Observed within State Mapped Wetland Boundary (Class 2)	None - no drilling	Site Standard (1)
DU03	Wetland Conditions Observed throughout approx. 90% of DU	Planned drill rig sampling operations located within observed wetlands.	Hand auger samples instead of using direct push drill rig within wetland limits. Collecting subsurface soil samples within wetlands with a hand auger is consistent with SAP flexibility.
DU04	No Wetland Conditions Observed	None - no drilling	Site Standard (1)
DU05	Wetland Conditions Observed throughout approx. 40-50% of DU	Planned drill rig sampling operations located within observed wetlands.	Hand auger samples within wetland limits. Collecting subsurface soil samples within wetlands with a hand auger is consistent with SAP flexibility.
DU06	Wetland Conditions observed through minimal portion of DU	Planned drill rig sampling operations located within observed wetlands.	Relocate sample borings outside wetland limits. Wells to be installed in park-maintained lawn outside of wetland limit. Collecting subsurface soil samples within wetlands with a hand auger is consistent with SAP flexibility.
DU07	Wetland Conditions Observed within State Mapped Wetland Boundary (Class 1). Additional wetland conditions outside state-mapped boundary observed. Wetlands cover approx. 75% of DU.	Planned drill rig sampling operations, planned well installations within observed wetlands and buffer zone.	Entire DU07 boundary will be shifted slightly west to avoid wetlands to the extent possible, while still encompassing the exposure area. Hand auger samples instead of using direct push drill rig wells within wetland limits and 100 ft buffer zone of state mapped wetlands. Relocate wells outside of wetland limits and 100 ft buffer zone of state mapped wetlands. Well location CH-MW038 will be adjusted to avoid wetlands and 100 ft buffer zone, placed in park-maintained lawn to west of DU. Well CH-MW039 will be moved to in vicinity of DU15 because moving well outside buffer zone at DU07 would put well close to previously-installed wells CH-MW006 and CH-MW005 (already sufficient groundwater coverage in the area).
DU08	Wetland Conditions Observed within State Mapped Wetland Boundary (Class 1). Additional wetland conditions outside state-mapped boundary observed. Wetlands cover approx. 90% of DU.	Planned drill rig sampling operations, planned well installations within observed wetlands and buffer zone.	Relocate wells along existing, maintained roadway and shoulder. Drill rigs will not leave road. As discussed on 5/9/17 site walk, surface water and sediment samples will be collected instead of soil samples within the DU wetland area.
DU09	No Wetland Conditions Observed	None	Site Standard (1)
DU10	No Wetland Conditions Observed	None - no drilling	Site Standard (1)
DU11	Wetland Conditions Observed throughout approx. 10% observed	Planned well installations within observed wetlands.	Relocate wells outside of wetland limits, if necessary, and utilize wetland mats and catch basin to collect liquid and soil cuttings to minimize potential release to wetlands. Relocating wells is consistent with SAP flexibility and 5/9/17 site walk.
DU12	No Wetland Conditions Observed	None	Site Standard (1)

Summary of Observed Wetlands and Proposed Mitigation Procedures, 7 June 2017
Phase III Remedial Investigation
Camp Hero, Montauk, New York

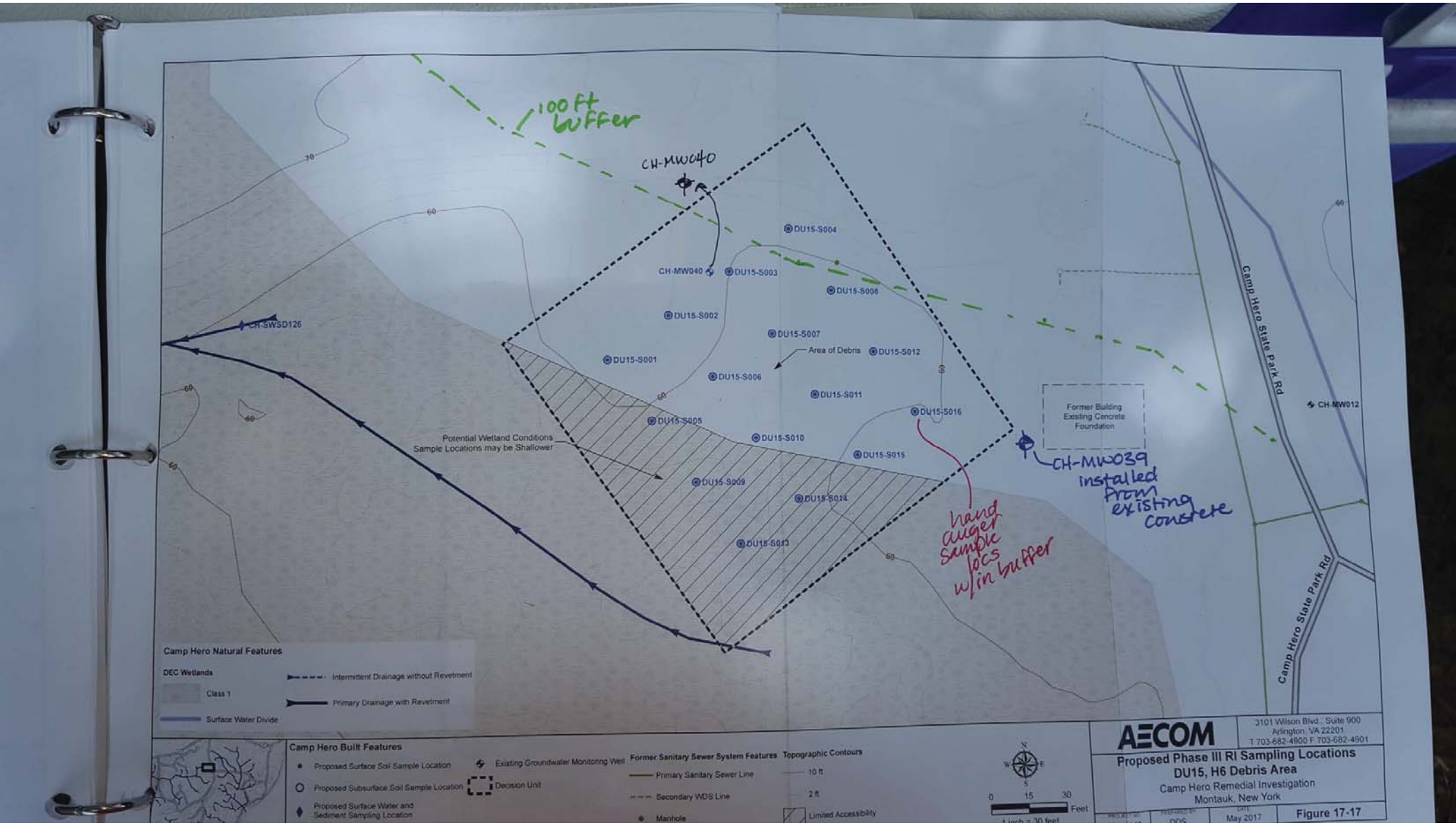
DU	Wetlands Observed	Wetlands Mitigation Required	Proposed Mitigation Procedures
DU13	No Wetland Conditions Observed	None	Site Standard (1)
DU14	No Wetland Conditions Observed	None	Site Standard (1)
DU15	Wetland Conditions Observed within State Mapped Wetland Boundary (Class 1). Additional wetland conditions extended north of mapped wetlands. Wetland conditions cover 100% of the DU.	Planned drill rig sampling operations, and planned well installation downgradient of debris area with previous PCB detection in grab-groundwater, within observed wetland and buffer zone.	Relocate well CH-MW040 outside of wetland limits and 100 ft buffer zone. For well location CH-MW040, move to northwest outside buffer zone. Move well CH-MW039 to the southeast of the DU, within the buffer zone, but on an existing asphalt which will prevent disturbance to the wetland. For soil samples, consistent with SAP, subsurface soil samples within wetlands will be collected with hand auger.
DU16	Wetland conditions observed within approx. 20% of the DU.	Planned drill rig sampling operations within observed wetlands.	Relocate sample borings outside wetland limits or hand auger samples. Collecting subsurface soil samples within wetlands with a hand auger is consistent with SAP flexibility.
DU17	Wetland conditions observed within approx. 30% of the DU.	Planned well installation within observed wetlands.	Relocate well location outside of wetland limits. Collecting subsurface soil samples within wetlands with a hand auger is consistent with SAP flexibility.
DU18	No Wetland Conditions Observed (although state mapped wetlands are shown)	None	Site Standard (1)
STB	Wetland Conditions Observed within State Mapped Wetland Boundary (Class 1).	Planned well installations within100 ft buffer zone.	Relocate wells outside of wetland limits on park-maintained lawn (within 100 ft buffer). Collecting subsurface soil samples within wetlands with a hand auger is consistent with SAP flexibility.

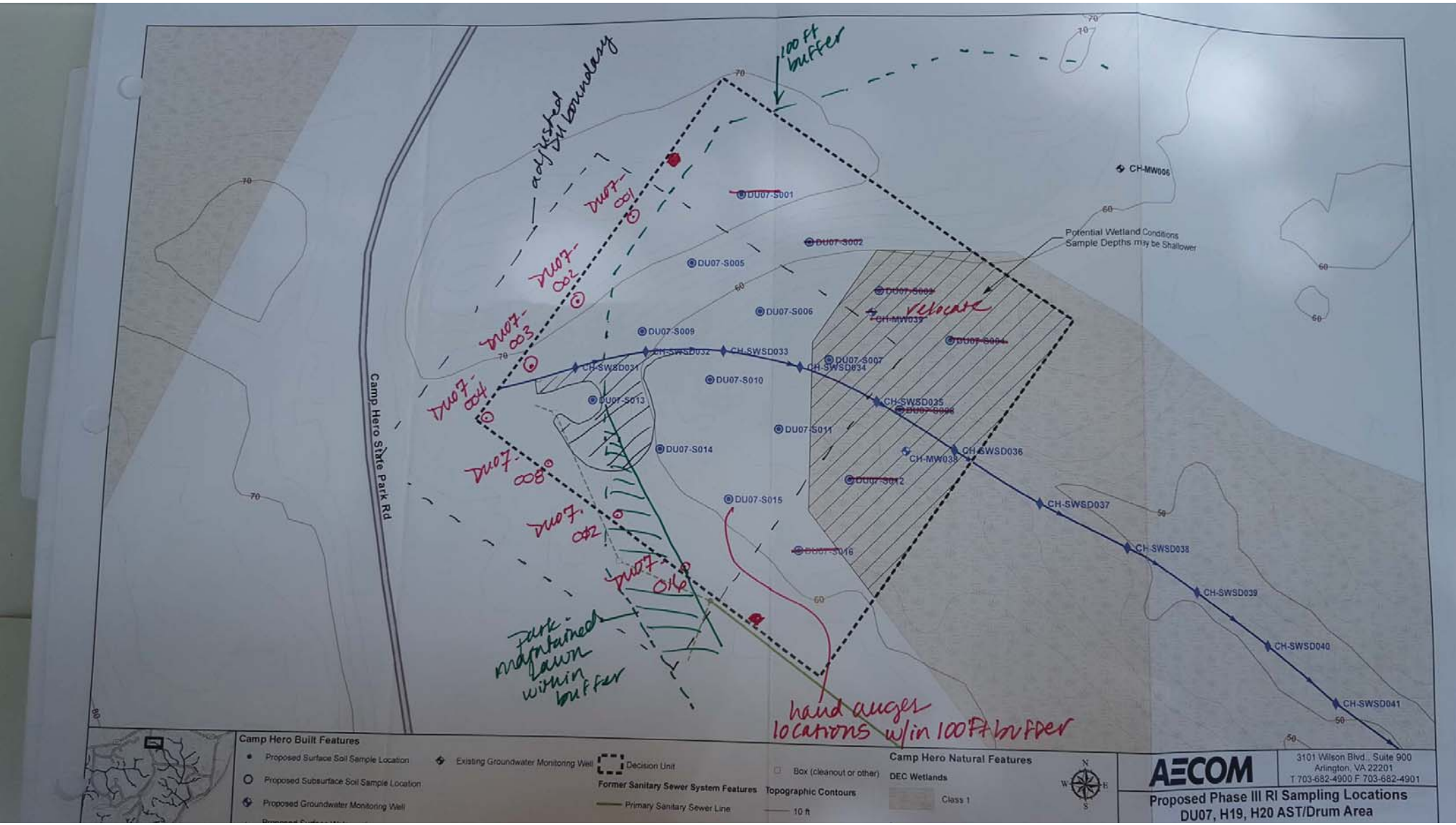
Notes

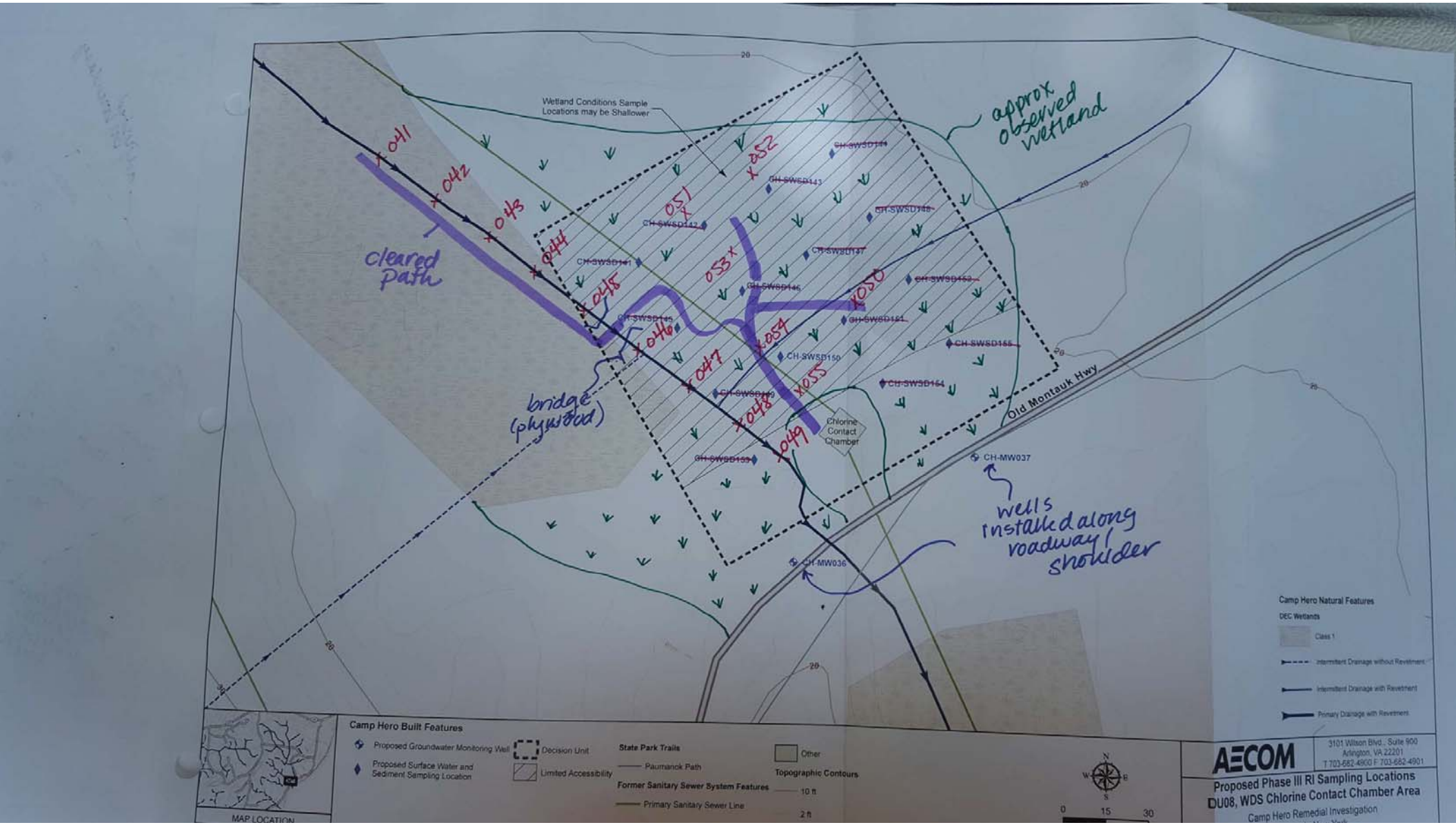
(1) Site Standard Mitigation Procedures include, but are not limited to, minimal vegetation clearance and tree clearing limited to trees under 3".

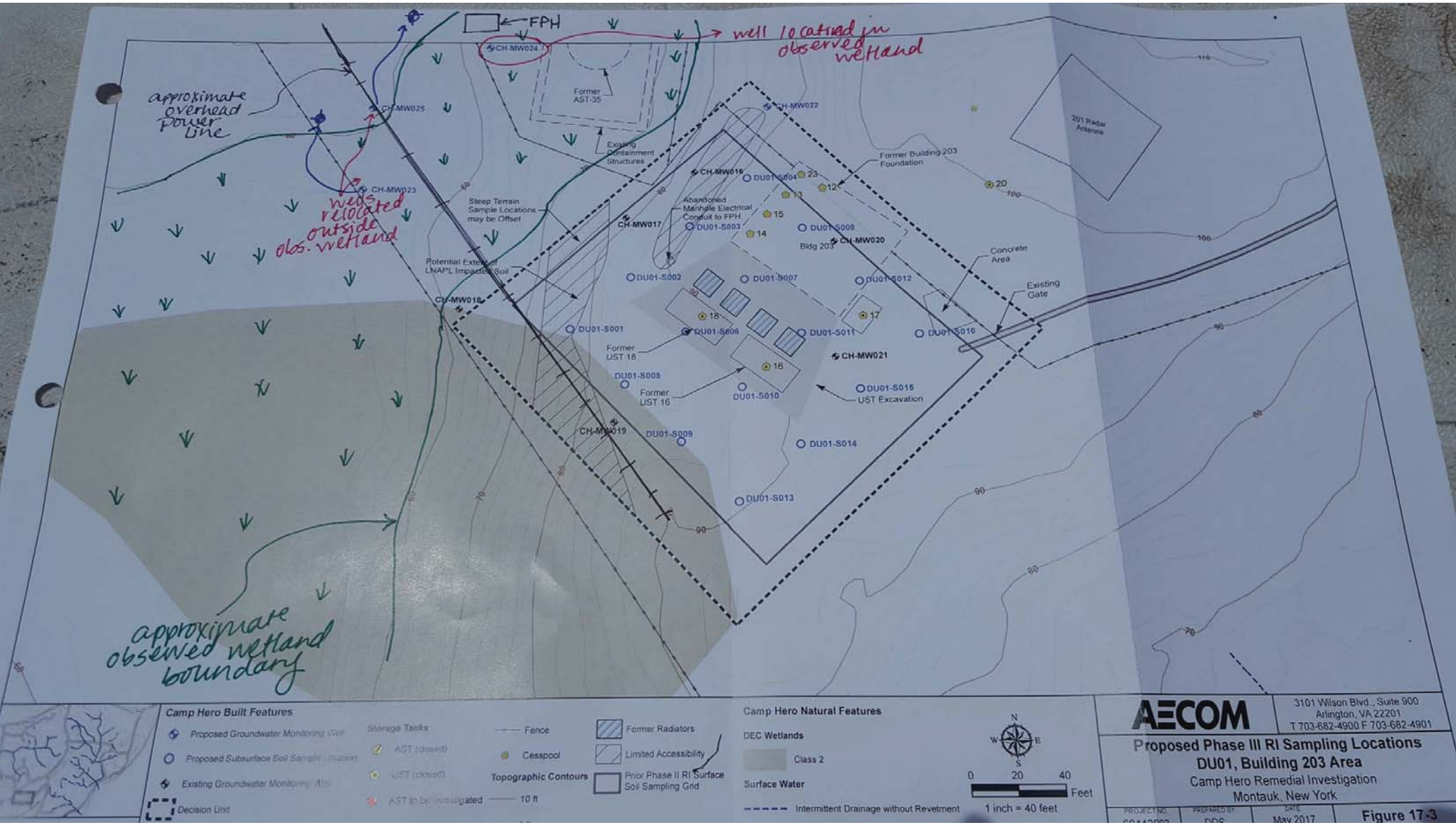
Yellow highlight indicates drilling activities occurring within wetland boundaries.

Orange highlight indicates drilling activities occurring within the 100 ft buffer zone of state-mapped wetlands boundaries (Class 1), but within park-maintained roadways, lawns, or asphalt lots.


100 ft buffer
CH-MW040
CH-MW040
DU15-S004
DU15-S003
DU15-S008
DU15-S002
DU15-S007
DU15-S001
Area of Debris
DU15-S012
DU15-S006
DU15-S011
DU15-S016
DU15-S005
DU15-S010
DU15-S015
DU15-S009
DU15-S014
DU15-S013
CH-SWSD126
Potential Wetland Conditions
Sample Locations may be Shallower
Former Building
Existing Concrete
Foundation
CH-MW039
installed
from
existing
concrete
hand
auger
sample
locs
w/in
buffer
Camp Hero State Park Rd
CH-MW012
Camp Hero Natural Features
DEC Wetlands
Class 1
Surface Water Divide
Intermittent Drainage without Revetment
Primary Drainage with Revetment
Camp Hero Built Features
Proposed Surface Soil Sample Location
Proposed Subsurface Soil Sample Location
Proposed Surface Water and
Sediment Sampling Location
Existing Groundwater Monitoring Well
Decision Unit
Former Sanitary Sewer System Features
Primary Sanitary Sewer Line
Secondary WDS Line
Manhole
Topographic Contours
10 ft
2 ft
Limited Accessibility
N
W
E
S
0
15
30
Feet
AECOM
3101 Wilson Blvd., Suite 900
Arlington, VA 22201
T 703-682-4900 F 703-682-4901
Proposed Phase III RI Sampling Locations
DU15, H6 Debris Area
Camp Hero Remedial Investigation
Montauk, New York
PREPARED BY
DDS
DATE
May 2017
Figure 17-17


adjusted DU boundary
100 ft buffer
Camp Hero State Park Rd
DU07-001
DU07-002
DU07-003
DU07-004
DU07-005
DU07-006
DU07-007
DU07-008
DU07-009
DU07-010
DU07-011
DU07-012
DU07-013
DU07-014
DU07-015
DU07-016
DU07-S001
DU07-S002
DU07-S003
DU07-S004
DU07-S005
DU07-S006
DU07-S007
DU07-S008
DU07-S009
DU07-S010
DU07-S011
DU07-S012
DU07-S013
DU07-S014
DU07-S015
DU07-S016
CH-MW006
CH-MW037
CH-MW038
CH-SWSD031
CH-SWSD032
CH-SWSD033
CH-SWSD034
CH-SWSD035
CH-SWSD036
CH-SWSD037
CH-SWSD038
CH-SWSD039
CH-SWSD040
CH-SWSD041
Potential Wetland Conditions
Sample Depths may be Shallower
relocate
park maintained lawn within buffer
hand auger locations w/in 100 ft buffer
Camp Hero Built Features
Proposed Surface Soil Sample Location
Proposed Subsurface Soil Sample Location
Proposed Groundwater Monitoring Well
Existing Groundwater Monitoring Well
Decision Unit
Box (cleanout or other)
Former Sanitary Sewer System Features
Primary Sanitary Sewer Line
Topographic Contours
10 ft
Camp Hero Natural Features
DEC Wetlands
Class 1
AECOM
3101 Wilson Blvd., Suite 900
Arlington, VA 22201
T 703-682-4900 F 703-682-4901
Proposed Phase III RI Sampling Locations
DU07, H19, H20 AST/Drum Area


Wetland Conditions Sample Locations may be Shallower
approx observed wetland
cleared path
bridge (plywood)
Chlorine Contact Chamber
Old Montauk Hwy
CH-MW037
CH-MW036
wells installed along roadway shoulder
CH-SWSD144
CH-SWSD143
CH-SWSD142
CH-SWSD141
CH-SWSD137
CH-SWSD146
CH-SWSD145
CH-SWSD152
CH-SWSD151
CH-SWSD155
CH-SWSD150
CH-SWSD154
CH-SWSD153
CH-SWSD156
041
042
043
044
045
046
047
048
049
051
052
053
054
055
056
Camp Hero Natural Features
DEC Wetlands
Class 1
Intermittent Drainage without Revetment
Intermittent Drainage with Revetment
Primary Drainage with Revetment
Camp Hero Built Features
Proposed Groundwater Monitoring Well
Proposed Surface Water and Sediment Sampling Location
Decision Unit
Limited Accessibility
State Park Trails
Paumanok Path
Former Sanitary Sewer System Features
Primary Sanitary Sewer Line
Other
Topographic Contours
10 ft
2 ft
MAP LOCATION
0
15
30
AECOM
3101 Wilson Blvd., Suite 900
Arlington, VA 22201
T 703-682-4900 F 703-682-4901
Proposed Phase III RI Sampling Locations
DU08, WDS Chlorine Contact Chamber Area
Camp Hero Remedial Investigation


FPH
well located in observed wetland
approximate overhead power line
CH-MW024
CH-MW025
CH-MW023
wells relocated outside obs. wetland
Former AST-35
Existing Containment Structures
CH-MW022
201 Radar Antenna
Former Building 203 Foundation
CH-MW016
DU01-S004
Steep Terrain Sample Locations may be Offset
Abandoned Manhole Electrical Conduit to FPH
CH-MW017
DU01-S003
DU01-S008
Bldg 203
CH-MW020
Concrete Area
Potential Extent of LNAPL Impacted Soil
DU01-S002
DU01-S007
DU01-S012
Existing Gate
CH-MW018
DU01-S001
DU01-S006
DU01-S011
DU01-S016
Former UST 18
CH-MW021
DU01-S005
Former UST 16
DU01-S010
DU01-S015
UST Excavation
CH-MW019
DU01-S009
DU01-S014
DU01-S013
approximate obsewed wetland boundary
Camp Hero Built Features
Proposed Groundwater Monitoring Well
Proposed Subsurface Soil Sample Location
Existing Groundwater Monitoring Well
Decision Unit
Storage Tanks
AST (closed)
UST (closed)
AST to be Investigated
Fence
Cesspool
Topographic Contours
10 ft
Former Radiators
Limited Accessibility
Prior Phase II RI Surface Soil Sampling Grid
Camp Hero Natural Features
DEC Wetlands
Class 2
Surface Water
Intermittent Drainage without Revetment
N
W
E
S
0
20
40
Feet
1 inch = 40 feet
AECOM
3101 Wilson Blvd., Suite 900
Arlington, VA 22201
T 703-682-4900 F 703-682-4901
Proposed Phase III RI Sampling Locations
DU01, Building 203 Area
Camp Hero Remedial Investigation
Montauk, New York
PROJECT NO.
PREPARED BY
DDS
DATE
May 2017
Figure 17-3

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/8/2017 Thursday

DR No. 08	**WRITTEN BY**: Amanda Martin		**PROJECT NUMBER**: 60443903
Weather: H 64°F Partly Cloudy	**Days without a lost time injury:** 8		

NAME:	HRS	TRADE:	COMPANY:	EQUIPMENT:	VISITORS/AFFILIATION:
Mike Glinski	9.25	SSHO, Geologist	AECOM	Solonist Interface Probe	Nick Acampora, NYSDEC
Bob Burns	9.25	SSHO, Scientist	AECOM	Solonist Water Level Meter (3)	
Brendan McGuinness	9.25	Field Quality Manager	AECOM	MiniRae 3000 PID (6)	
Amanda Martin	9.25	Site Supervisor	AECOM	Dust Trak II Dust Meter (2)	
Andrew Borden	9.25	Geologist	AECOM	Geotech Baldder Pump (1)	
John Schroeder	9.25	Geologist	AECOM	ProActive Monsoon Pump (6)	
Jeff Dvorak	9.25	Environmental Scientist	AECOM	Hand Auger (1)	
Rachel MacPhee	9.25	Geologist	AECOM	Ponar Sediment Sampler	
Nicole Schulman	8.5	Environmental Scientist	AECOM	Eijkelkamp Flap gouge auger	
McKenzie Miller	9.25	Environmental Scientist	AECOM	Trimble Geo 7X GPS (5)	
Alexi Weber	9.25	Environmental Scientist	AECOM	Shondstadt Magnetometer (2)	
Toshiro Gibson	9.25	UXO Technician II	AECOM	John Deere Skid-Steerer (1)	
Dave Moon	9	Driller	Cascade/ADT	Monsoon Pumps (8)	
Tony Palomeque	9	Driller	Cascade/ADT	Sonic Fraste XL Drill Rig (2)	
Daniel Johnson	9	Driller	Cascade/ADT	Drill Rig Support Trucks (2)	
Dylan Jewell	9	Driller	Cascade/ADT		
Guy Cabral	9	Driller Support	Cascade/ADT		
Tom Sheerin	9	Driller Support	Cascade/ADT		
DAILY TOTAL	164.25				
TOTAL TO DATE	1329.75	*(on-site hours only)*			

SUBCONTRACTORS:	SITE DELIVERIES (indicate size, type, and condition):
Cascade/ADT	None

WORKED PERFORMED BY AECOM

The AECOM, USACE, and Cascade/ADT team arrived on site at 0700 completed the Morning Tailgate Health and Safety Meeting and reviewed the task hazards associated with scheduled field work for the day.

Surface Water and Sediment Sampling

Surface water and sediment samples were collected at locations CH-SWSD001 to 003 and 015 to 023 for metals (including mercury) and SVOCs/PAHs. Additionally, sediment samples were collected at locations CH-SWSD096 to 098 for sediment (surface water collected at earlier date) for the same parameters. 10% of site samples were and 100% of background samples were also collected for hexavalent chromium (with pH and ORP for sediment). The pH of the liquid hexavalent chromium was checked and adjusted in the field according to the procedure outlined in the SAP. Water quality parameters were collected for surface water, including pH, DO, ORP, specific conductivity, temperature, and turbidity. Field data were recorded on the SW/SD sample and electronically via the EDGE software.

Filtered surface water samples were also collected for all parameters if the turbidity of the surface water was > 10 NTU.

Shelby Tube Sample Collection

Two shelby tube samples were collected at DU01 (former Building 203) from locations DU01-SO09 (near CH-MW019) and DU01-SO15 (near CH-MW021) from the clay confining layer. Three samples were planned in the SAP (two from perched aquifer material and one from clay material), but the sandy aquifer material could not be collected in the shelby tube device because the sandy material slipped out of the tube at every attempt. As a result, two samples were collected in the clay; no aquifer material could be collected, and the third shelby tube sample was eliminated. Shelby tube permeability results will be supplemented by slug testing in the stated monitoring wells.

Monitoring Well Installation

Monitoring wells CH-MW022 and 023 were installed via sonic drilling methods in accordance with the SAP. Monitoring well construction and boring lithology information were recorded electronically via the EDGE software.

LNAPL Gauging

Existing monitoring wells at DU01 and temporary piezometer PZ-03 were gauged for LNAPL thickness. Consistent with the previous event, LNAPL was present only in PZ-03 and CH-MW017. Thickness was 0.41 ft and 1.22 ft, respectively. The groundwater elevation was approximately 5 ft higher than during the December event, which may explain why LNAPL thickness at these two locations is smaller than in December.

Sample Management

Surface water and sediment samples collected collected were Quality Control checked, recorded on Chain of Custody records, and packed on ice for storage. Samples will be stored on fresh ice until the next courier pick-up. Chain of Custody records were e-mailed to the Project Chemist (Devon Chicoine) and the Laboratory Project Manager prior to delivery to the laboratory.

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/8/2017 Thursday

DR No. 08		**WRITTEN BY**: Amanda Martin	**PROJECT NUMBER**: 60443903

WORK COMPLETED BY AECOM SUBCONTRACTORS

Cascade/ADT installed monitoring wells CH-MW022 and 023 and collected 2 shelby tube samples. Additionally, the team staged soil cuttings and liquid IDW in drums for transport to the soil roll-off and poly tank, emptied/transferred IDW to said containers, completed well vaults and concrete pads, and restored the work area after drilling activities.

AGREEMENTS MADE/CONVERSATIONS (Refer to telecons, phone records, and/or logbooks for details)

- Tom Dess (NY State Parks Superintendent) was notified of the number of team members on site at the start of the day. Additionally, the team confirmed the road closure for DU08 work on 6/9/17 with Mr. Dess and confirmed what type of grass seed the NYS Parks would prefer to reseed the lawns with drill rig tracks (tall fescue).

- Nick Acampora (NYSDEC) visited the site to see work occurring at DU01 (former Building 203). Mr. Acampora confirmed the LNAPL thickness in locations CH-MW017 and PZ-03, viewed new monitoring well installations, and viewed one soil core for shelby tube sampling (DU14-SO15). Petroleum impacts were noted in the core. Mr. Acampora indicated the NYSDEC would prefer for LNAPL to be pumped from the existing wells weekly while the team was on site; he will discuss this with the NYSDEC and USACE.

REQUEST FOR INFORMATION (RFI)

None

TRANSMITTALS / SUBMITTALS

None

AIR MONITORING COMMENTS:

Continuous air monitoring was completed downwind of the drill rig, in accordance with the modified generic NYSDOH CAMP (see SAP Appendix H). No exceedances were observed.

SAFETY OBSERVATIONS/VIOLATIONS/COMMENTS

None

SITE OBSERVATIONS

None

ATTACHMENTS

Phase III Field Checklists

Superintendent (Signature):

Amanda Martin

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/8/2017 Thursday

DR No. 08		**WRITTEN BY**: Amanda Martin	**PROJECT NUMBER**: 60443903

Daily Photos

Photo 1. Surface water and sediment sample location CH-SWSD019 (background, revetted). Photographs were taken for every surface water/sediment location.

Photo 2. Shelby tube sample sample collection with the Fraste XL Sonic Drill Rig at location DU01-SO09.

Photo 3. Collected shelby tube from DU01-SO09 with end caps and wax seal for transport to the laboratory.

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/9/2017 Friday

DR No. 09	**WRITTEN BY**: Amanda Martin		**PROJECT NUMBER**: 60443903
Weather: H 72°F Mostly Sunny	**Days without a lost time injury:** 9		

NAME:	HRS	TRADE:	COMPANY:	EQUIPMENT:	VISITORS/AFFILIATION:
Mike Glinski	11.5	SSHO, Geologist	AECOM	Solonist Interface Probe	
Bob Burns	11.5	SSHO, Scientist	AECOM	Solonist Water Level Meter (3)	
Amanda Martin	11.5	Site Supervisor	AECOM	Dust Trak II Dust Meter (2)	
Andrew Borden	11.5	Geologist	AECOM	Geotech Baldder Pump (1)	
John Schroeder	11.5	Geologist	AECOM	ProActive Monsoon Pump (6)	
Jeff Dvorak	11.5	Environmental Scientist	AECOM	Hand Auger (1)	
Rachel MacPhee	11.5	Geologist	AECOM	Ponar Sediment Sampler	
Nicole Schulman	9.5	Environmental Scientist	AECOM	Eijkelkamp Flap gouge auger	
McKenzie Miller	11.5	Environmental Scientist	AECOM	Trimble Geo 7X GPS (5)	
Toshiro Gibson	11.5	UXO Technician II	AECOM	John Deere Skid-Steerer (1)	
Dave Moon	4	Driller	Cascade/ADT	Monsoon Pumps (8)	
Tony Palomeque	4	Driller	Cascade/ADT	Sonic Fraste XL Drill Rig (2)	
Daniel Johnson	4	Driller	Cascade/ADT	Drill Rig Support Trucks (2)	
Dylan Jewell	4	Driller	Cascade/ADT	Shondstadt Magnetometer (2)	
Guy Cabral	4	Driller Support	Cascade/ADT	MiniRae 3000 PID (6)	
Tom Sheerin	4	Driller Support	Cascade/ADT		
DAILY TOTAL	137				
TOTAL TO DATE	1466.75	*(on-site hours only)*			

SUBCONTRACTORS:	SITE DELIVERIES (indicate size, type, and condition):
Cascade/ADT	None

WORKED PERFORMED BY AECOM

The AECOM, USACE, and Cascade/ADT team arrived on site at 0700 completed the Morning Tailgate Health and Safety Meeting and reviewed the task hazards associated with scheduled field work for the day.

Surface Water and Sediment Sampling

Surface water and sediment samples were collected at locations CH-SWSD0141 to 155 for metals (including mercury) and SVOCs/PAHs. Additionally, surface water samples (only) were collected at background locations CH-SWSD008 to 010, 014, and 015 for the same parameters. Sediment samples at thse locations will be collected at a later date. 10% of site samples and 100% of background samples were also collected for hexavalent chromium (with pH and ORP for sediment). The pH of the liquid hexavalent chromium was checked and adjusted in the field according to the procedure outlined in the SAP. Water quality parameters were collected for surface water, including pH, DO, ORP, specific conductivity, temperature, and turbidity. Field data were recorded on the SW/SD sample forms and electronically via the EDGE software.

Filtered surface water samples were also collected for all parameters if the turbidity of the surface water was > 10 NTU.

Monitoring Well Installation

Monitoring wells CH-MW036 and 037 were installed via sonic drilling methods in accordance with the SAP. Monitoring well construction and boring lithology information were recorded electronically via the EDGE software.

Sample Management

Surface water and sediment samples collected collected were Quality Control checked, recorded on Chain of Custody records, and packed on ice for storage. The courier picked up 12 coolers of samples for delivery to the laboratory. Samples collected later in the day will be stored on fresh ice until the next courier pick-up. Chain of Custody records were e-mailed to the Project Chemist (Devon Chicoine) and the Laboratory Project Manager prior to delivery to the lab.

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/9/2017 Friday

DR No. 09		**WRITTEN BY**: Amanda Martin	**PROJECT NUMBER**: 60443903

WORK COMPLETED BY AECOM SUBCONTRACTORS

Cascade/ADT installed monitoring wells CH-MW036 and 037. Additionally, the team staged soil cuttings and liquid IDW in drums for transport to the soil roll-off and poly tank, emptied/transferred IDW to said containers, completed well vaults and concrete pads, and restored the work area after drilling activities. Cascade/ADT decontaminated their drill rigs and demobilized from the site at 1100.

AGREEMENTS MADE/CONVERSATIONS (Refer to telecons, phone records, and/or logbooks for details)

- Tom Dess (NY State Parks Superintendent) was notified of the number of team members on site at the start of the day. Additionally, coordinated the road closure for DU08 work with Mr. Dess, confirming the times of road closure and re-opening.

REQUEST FOR INFORMATION (RFI)

None

TRANSMITTALS / SUBMITTALS

None

AIR MONITORING COMMENTS:

Continuous air monitoring was completed downwind of the drill rig, in accordance with the modified generic NYSDOH CAMP (see SAP Appendix H). No exceedances were observed.

SAFETY OBSERVATIONS/VIOLATIONS/COMMENTS

Old Montauk Highway between the State Park Bluffs parking lot and Chlorine Contact Chamber was closed during installation of monitoring wells CH-MW036 and 037, and during setup of the surface water/sediment sampling crew. A "Road Closed" sign was placed at the entrance of the road with traffic cones. An exclusion zone was set up around the drilling activities. Tom Dess (NYS Parks Superintendent) was notified at the time of road closure and road re-opening.

SITE OBSERVATIONS

None

ATTACHMENTS

Phase III Field Checklists
Phase III Well Construction Information

Superintendent (Signature):

Amanda Martin

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/9/2017 Friday

DR No. 09		**WRITTEN BY**: Amanda Martin	**PROJECT NUMBER**: 60443903

Daily Photos

Photo 1. Mobile surface water and sediment sampling set-up for locations deep in woods.

Photo 2. Drop-tubing setup for surface water sampling from bridge.

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/10/2017 Saturday

DR No. 10		**WRITTEN BY**: Amanda Martin		**PROJECT NUMBER**: 60443903	
Weather: H 75°F	Sunny	**Days without a lost time injury:**	10		

NAME:	**HRS**	**TRADE:**	**COMPANY:**	**EQUIPMENT:**	**VISITORS/AFFILIATION:**
Mike Glinski	6	SSHO, Geologist	AECOM	Solonist Interface Probe	
Bob Burns	6	SSHO, Scientist	AECOM	Solonist Water Level Meter (3)	
Amanda Martin	6	Site Supervisor	AECOM	Dust Trak II Dust Meter (2)	
Andrew Borden	6	Geologist	AECOM	Geotech Baldder Pump (1)	
John Schroeder	6	Geologist	AECOM	ProActive Monsoon Pump (6)	
Jeff Dvorak	6	Environmental Scientist	AECOM	Hand Auger (1)	
Rachel MacPhee	6	Geologist	AECOM	Ponar Sediment Sampler	
Nicole Schulman	0	Environmental Scientist	AECOM	Eijkelkamp flap gouge auger	
McKenzie Miller	6	Environmental Scientist	AECOM	Trimble Geo 7X GPS (5)	
Toshiro Gibson	6	UXO Technician II	AECOM	Shondstadt Magnetometer (2)	
				Monsoon Pumps (8)	
				MiniRae 3000 PID (6)	
DAILY TOTAL	54				
TOTAL TO DATE	1520.75	*(on-site hours only)*			

SUBCONTRACTORS:	**SITE DELIVERIES (indicate size, type, and condition):**
None	None

WORKED PERFORMED BY AECOM

The AECOM team arrived on site at 0700 completed the Morning Tailgate Health and Safety Meeting and reviewed the task hazards associated with the scheduled field work for the day.

Surface Water and Sediment Sampling

Surface water and sediment samples were collected at locations CH-SWSD011 to 013, 024 to 026, and 111 for metals (including mercury) and SVOCs/PAHs. Additionally, sediment samples (only) were collected at background locations CH-SWSD008 to 010, 014, and 015 for the same parameters. Surface water at these locations were collected at an earlier date. 10% of site samples and 100% of background samples were also collected for hexavalent chromium (with pH and ORP for sediment). The pH of the liquid hexavalent chromium was checked and adjusted in the field according to the procedure outlined in the SAP. Water quality parameters were collected for surface water, including pH, DO, ORP, specific conductivity, temperature, and turbidity. Field data were recorded on the SW/SD sample forms and electronically via the EDGE software.

Filtered surface water samples were also collected for all parameters if the turbidity of the surface water was > 10 NTU. Equipment blanks were collected for the non-disposible sampling equipment used this week (the hand auger and the Eijkelkamp flap gouge auger).

Sample Management

Surface water and sediment samples collected collected were Quality Control checked, recorded on Chain of Custody records, and packed on ice for storage. Samples will be stored on fresh ice until the next courier pick-up. Chain of Custody records were e-mailed to the Project Chemist (Devon Chicoine) and the Laboratory Project Manager prior to delivery to the lab.

WORK COMPLETED BY AECOM SUBCONTRACTORS

None

AGREEMENTS MADE/CONVERSATIONS (Refer to telecons, phone records, and/or logbooks for details)

- Tom Dess (NY State Parks Superintendent) was notified of the number of team members on site at the start of the day.

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/10/2017 Saturday

DR No. 10		**WRITTEN BY**: Amanda Martin	**PROJECT NUMBER**: 60443903

REQUEST FOR INFORMATION (RFI)

None

TRANSMITTALS / SUBMITTALS

None

AIR MONITORING COMMENTS:

None (no air monitoring was conducted because no intrusive activities were completed.)

SAFETY OBSERVATIONS/VIOLATIONS/COMMENTS

None

SITE OBSERVATIONS

None

ATTACHMENTS

Phase III Field Checklists

Superintendent (Signature):

Amanda Martin

Daily Photos

No photos were collected on today's date for the Daily Report.

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/13/2017 Tuesday

DR No. 12		**WRITTEN BY**: Amanda Martin			**PROJECT NUMBER**: 60443903
Weather: H 85°F	Sunny	**Days without a lost time injury:**		12	
NAME:	**HRS**	**TRADE:**	**COMPANY:**	**EQUIPMENT:**	**VISITORS/AFFILIATION:**
Mike Glinski	10.5	SSHO, Geologist	AECOM	Solonist Interface Probe	Chris Veinotte, USACE
Bob Burns	10.5	SSHO, Scientist	AECOM	Solonist Water Level Meter (3)	
Amanda Martin	11	Site Supervisor	AECOM	Dust Trak II Dust Meter (2)	
Andrew Borden	10.5	Geologist	AECOM	Geotech Baldder Pump (1)	
John Schroeder	11	Geologist	AECOM	ProActive Monsoon Pump (6)	
Rick Purdy	10.5	Scientist	AECOM	Shondstadt Magnetometer (2)	
Joel Meunier	10.5	Geologist	AECOM	Monsoon Pumps (8)	
Nicole Schulman	0	Environmental Scientist	AECOM	Eijkelkamp flap gouge auger	
McKenzie Miller	10.5	Environmental Engineer	AECOM	Trimble Geo 7X GPS (5)	
Sumon Chatterjee	10.5	Environmental Engineer	AECOM	MiniRae 3000 PID (6)	
Toshiro Gibson	10.5	UXO Technician II	AECOM	Geoprobe 6620 DT (2)	
Zach Fordly	9.25	Driller	Cascade/Zebra	Hand Auger (1)	
Evan Wiewiora	9.25	Driller	Cascade/Zebra		
Eric Pope	9.25	Driller	Cascade/Zebra		
John Hernandez	9.25	Driller	Cascade/Zebra		
DAILY TOTAL	143				
TOTAL TO DATE	1828.25	*(on-site hours only)*			

SUBCONTRACTORS:	**SITE DELIVERIES (indicate size, type, and condition):**
Cascade (Zebra)	None

WORKED PERFORMED BY AECOM

The AECOM and Cascade/Zebra team arrived on site at 0700 completed the Morning Tailgate Health and Safety Meeting and reviewed the task hazards associated with scheduled field work for the day.

Direct Push Soil Sampling

Direct push soil borings were conducted at the following DUs for collection of soil samples:

DU05: soil samples were collected at locations DU05-SO01 to 03, 05 to 07, 09 to 11, and 15 from 0 - 1 ft bgs (surface soil) and 1 - 10 ft bgs (subsurface soil) or 1 - 2 ft bgs (subsurface soil) if hand augered due to wetlands or access issues. Samples were collected for analysis of metals (including mercury). 10% of soil samples (site-wide) were collected for hexavalent chromium (with pH and ORP).

DU12: soil samples were collected at locations DU12-SO01 to 07, 09, 10, and 13 to 15 from 0 - 1 ft bgs (surface soil) and 1 - 10 ft bgs (subsurface soil) for analysis of SVOCs/PAHs and metals (including mercury). 10% of soil samples (site-wide) were collected for hexavalent chromium (with pH and ORP).

DU14: soil samples were collected at locations DU14-SO07, 08, 10, 12, and 14 to 16 from 0 - 1 ft bgs (surface soil) and 1 - 10 ft bgs (subsurface soil) for analysis of SVOCs/PAHs.

DU16: soil samples were collected at locations DU16-SO01 to 16 from 0 - 1 ft bgs (surface soil) and 1 - 10 ft bgs (subsurface soil) for analysis of SVOCs/PAHs.

Field and sample data were recorded on the Soil Boring/Sample Forms and electronically via the EDGE software.

Monitoring Well Development

Well development was conducted at the following newly-installed monitoring wells:

CH-MW025: well development continued; 8 gal were remoevd today for a total of 13 gal removed over 10 rounds of pumping dry. Development not complete.

CH-MW026: well development began; 12 gal were removed today over 6 rounds of pumping dry. Development not complete.

CH-MW027: well development continued; 8 gal were remoevd today for a total of 17.75 gal removed over 9 rounds of pumping dry. Development not complete.

CH-MW028: well development continued; 5.9 gal were removed today for a total of 13.7 gal removed over 6 rounds of pumping dry. Development not complete.

CH-MW039: well development began; 20.7 gal were removed today over 4 rounds of pumping dry. Development not complete.

CH-MW041: well development continued; 21 gal were removed today for a total of 38 gal removed over 7 rounds pumping dry. Development not complete.

CH-MW042: well development began; 18.6 gal were removed today over 5 rounds of pumping dry. Development not complete.

Additional rounds of well development will be continued, in attempt to remove a minimum 3X the volume added during well construction.

Sample Management

Soil samples collected collected were Quality Control checked, recorded on Chain of Custody records, and packed on ice for storage. Samples will be held on fresh ice until the next courier pick-up. Chain of Custody records were e-mailed to the Project Chemist (Devon Chicoine) and the Laboratory Project Manager prior to delivery to the lab.

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/13/2017 Tuesday

DR No. 12		**WRITTEN BY**: Amanda Martin	**PROJECT NUMBER**: 60443903

WORK COMPLETED BY AECOM SUBCONTRACTORS

Cascade/Zebra completed the above-specified borings at DU05, DU12, DU14, and DU16.

AGREEMENTS MADE/CONVERSATIONS (Refer to telecons, phone records, and/or logbooks for details)

- Tom Dess (NY State Parks Superintendent) was notified of the number of team members on site at the start of the day.

REQUEST FOR INFORMATION (RFI)

None

TRANSMITTALS / SUBMITTALS

None

AIR MONITORING COMMENTS:

Continuous air monitoring was completed downwind of the drill rig, in accordance with the modified generic NYSDOH CAMP (see SAP Appendix H). No exceedances were observed.

SAFETY OBSERVATIONS/VIOLATIONS/COMMENTS

None

SITE OBSERVATIONS

None

ATTACHMENTS

Phase III Field Checklists
Phase III Well Construction Information

Superintendent (Signature):

Amanda Martin

Daily Photos

No photos were collected on today's date for the Daily Report.

Phase III Well Construction Information
Camp Hero, Montauk, New York

Well ID	Nearby DU/AOC	Boring Depth	Bottom of Screen	Top of Screen	Casing Length	Screen Length	Date Installed	Construction
CH-MW022	DU01	25	16	6	10	10	6/8/2017	Stick-up
CH-MW023	DU01, AST35/FPH	25	25	10	10	15	6/8/2017	Stick-up
CH-MW024	AST35/FPH	15	15	5	10	10	6/12/2017	Stick-up
CH-MW025	AST35/FPH	20	20	10	13	10	6/7/2017	Stick-Up
CH-MW026	STB	20	20	10	10	10	6/5/2017	Flushmount
CH-MW027	STB	30	30	20	20	10	6/5/2017	Flushmount
CH-MW028	STB	30	30	20	20	10	6/5/2017	Flushmount
CH-MW029	DU17	20	20	10	10	10	6/6/2017	Stick-up
CH-MW030	DU12	20	20	10	10	10	6/6/2017	Flushmount
CH-MW031	DU14	20	18	8	11	10	6/7/2017	Stick-Up
CH-MW032	DU11	25	25	10	20	15	6/62017	Stick-up
CH-MW033	DU11	30	30	15	20	15	6/6/207	Stick-up
CH-MW034	DU13	35	35	20	23	15	6/6/2017	Stick-Up
CH-MW035	DU13	30	30	15	18	15	6/6/2017	Stick-Up
CH-MW036	DU08	15	15	5	5	10	6/9/2017	Flushmount
CH-MW037	DU08	15	15	5	5	10	6/9/2017	Flushmount
CH-MW038	DU07	20	20	10	15	10	6/7/2017	Stick-up
CH-MW039	DU15	15	15	5	10	10	6/7/2017	Stick-up
CH-MW040	DU15	15	15	5	10	10	6/12/2017	Stick-up
CH-MW041	DU06	25	25	15	18	10	6/5/2017	Stick-Up
CH-MW042	DU06	32	32	10	22	10	6/5/2017	Flushmount
CH-MW043	MP	20	20	10	10	10	6/6/2017	Flushmount

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United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/14/2017 Wednesday

DR No. 13		**WRITTEN BY**: Amanda Martin			**PROJECT NUMBER**: 60443903
Weather: H 75°F	Sunny	**Days without a lost time injury:**		13	
NAME:	**HRS**	**TRADE:**	**COMPANY:**	**EQUIPMENT:**	**VISITORS/AFFILIATION:**
Mike Glinski	10.5	SSHO, Geologist	AECOM	Solonist Interface Probe	
Bob Burns	10.5	SSHO, Scientist	AECOM	Solonist Water Level Meter (3)	
Amanda Martin	11	Site Supervisor	AECOM	Dust Trak II Dust Meter (2)	
Andrew Borden	10.5	Geologist	AECOM	Geotech Baldder Pump (1)	
John Schroeder	11	Geologist	AECOM	ProActive Monsoon Pump (6)	
Rick Purdy	10.25	Scientist	AECOM	Shondstadt Magnetometer (2)	
Joel Meunier	10.25	Geologist	AECOM	Monsoon Pumps (8)	
Nicole Schulman	10.25	Environmental Scientist	AECOM	Eijkelkamp flap gouge auger	
McKenzie Miller	10.25	Environmental Engineer	AECOM	Trimble Geo 7X GPS (5)	
Sumon Chatterjee	10.25	Environmental Engineer	AECOM	MiniRae 3000 PID (6)	
Toshiro Gibson	10.25	UXO Technician II	AECOM	Geoprobe 6620 DT (2)	
Zach Fordly	9.25	Driller	Cascade/Zebra	Hand Auger (1)	
Evan Wiewiora	9.25	Driller	Cascade/Zebra		
Eric Pope	9.25	Driller	Cascade/Zebra		
John Hernandez	9.25	Driller	Cascade/Zebra		
DAILY TOTAL	152				
TOTAL TO DATE	1980.25	*(on-site hours only)*			

SUBCONTRACTORS:	**SITE DELIVERIES (indicate size, type, and condition):**
Cascade (Zebra)	None

WORKED PERFORMED BY AECOM

The AECOM and Cascade/Zebra team arrived on site at 0700 completed the Morning Tailgate Health and Safety Meeting and reviewed the task hazards associated with scheduled field work for the day.

Direct Push Soil Sampling

Direct push soil borings were conducted at the following DUs for collection of soil samples:

DU14 soil samples were collected at locations DU14-SO01 through DU14-SO06, DU14-SO09, and DU14-SO13 from 0 - 1 ft bgs (surface soil) and 1 - 10 ft bgs (subsurface soil) for analysis of SVOCs/PAHs.

DU07 soil samples were collected at locations DU05-SO01 to 03, 04, 08, 12, 13, and 16 from 0 - 1 ft bgs (surface soil) and 1 - 10 ft bgs (subsurface soil). Samples were collected for analysis of metals (including mercury).

DU12 soil samples were collected at locations DU12-SO08, 11, 12, and 16 from 0 - 1 ft bgs (surface soil) and 1 - 10 ft bgs (subsurface soil) for analysis of SVOCs/PAHs and metals (including mercury).

DU01 soil samples were collected at locations DU01-SO01 to 16 from 1 - 10 ft bgs (subsurface soil) for analysis of VOCs, SVOCs/PAHs, and metals (including mercury). Locations originally planned within the former building footprint were offset due to refusal at the depth of the building foundation.

10% of metals samples (site-wide) were also evaluated for hexavalent chromium (with pH and ORP). Field and sample data were recorded on the Soil Boring/Sample Forms and electronically via the EDGE software.

Monitoring Well Development

Well development was conducted at the following newly-installed monitoring wells:

CH-MW028: well development finalized; 5.9 gal were removed today for a total of 13.7 gal removed over 6 rounds of pumping dry.
CH-MW036: well development began; 16.5 gal were removed over 7 rounds of pumping dry. Development not complete.
CH-MW037: well development began; 161.7 gal were remoevd without going dry. Development complete.
CH-MW039: well development continued; 60.6 gal were remoevd today for a total of 81.3 gal removed over 13 rounds of pumping dry. Development not complete.
CH-MW040: well development began; 16.9 gal were removed total over 14 rounds of pumping dry. Development complete.
CH-MW041: well development finalized; 21 gal were removed today for a total of 38 gal removed over 7 rounds pumping dry.
CH-MW042: well development finalized; 18.6 gal were removed today over 5 rounds of pumping dry. Development not complete.

Additional rounds of well development will be continued on the specified wells, in attempt to remove a minimum 3X the volume added during well construction.

Sample Management

Soil samples collected collected were Quality Control checked, recorded on Chain of Custody records, and packed on ice for storage. Coolers were picked up by the courier at 0900; sample collected after courier pick-up will be held on fresh ice until the next courier pick-up. Chain of Custody records were e-mailed to the Project Chemist (Devon Chicoine) and the Laboratory Project Manager prior to delivery to the lab.

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/14/2017 Wednesday

DR No. 13		**WRITTEN BY**: Amanda Martin	**PROJECT NUMBER**: 60443903

WORK COMPLETED BY AECOM SUBCONTRACTORS

Cascade/Zebra completed the above-specified borings at DU01, DU07, DU12, and DU14. Direct Push soil sampling activities were completed. The team decontaminated their rigs and disassembled their tooling for demobilization. Two team members demobilized from the site with the drill rigs; two team members will remain on site to assist with hand-augering locations in wetlands or inaccessible areas.

AGREEMENTS MADE/CONVERSATIONS (Refer to telecons, phone records, and/or logbooks for details)

- Tom Dess (NY State Parks Superintendent) was notified of the number of team members on site at the start of the day.

REQUEST FOR INFORMATION (RFI)

None

TRANSMITTALS / SUBMITTALS

None

AIR MONITORING COMMENTS:

Continuous air monitoring was completed downwind of the drill rig, in accordance with the modified generic NYSDOH CAMP (see SAP Appendix H). No exceedances were observed.

SAFETY OBSERVATIONS/VIOLATIONS/COMMENTS

None

SITE OBSERVATIONS

None

ATTACHMENTS

Phase III Field Checklists

Superintendent (Signature):

Amanda Martin

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/14/2017 Wednesday

DR No. 13		**WRITTEN BY**: Amanda Martin	**PROJECT NUMBER**: 60443903

Daily Photos

Photo 1. Development water from CH-MW037 near DU08. Photographs were collected of final development water from each well.

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/15/2017 Thursday

DR No. 14		**WRITTEN BY**: Amanda Martin			**PROJECT NUMBER**: 60443903
Weather: H 72°F	Sunny	**Days without a lost time injury:**		14	
NAME:	**HRS**	**TRADE:**	**COMPANY:**	**EQUIPMENT:**	**VISITORS/AFFILIATION:**
Mike Glinski	10	SSHO, Geologist	AECOM	Solonist Interface Probe	
Bob Burns	10.5	SSHO, Scientist	AECOM	Solonist Water Level Meter (3)	
Amanda Martin	11.25	Site Supervisor	AECOM	Dust Trak II Dust Meter (2)	
Andrew Borden	10	Geologist	AECOM	Geotech Baldder Pump (1)	
John Schroeder	11.25	Geologist	AECOM	ProActive Monsoon Pump (6)	
Rick Purdy	10	Scientist	AECOM	Shondstadt Magnetometer (2)	
Joel Meunier	10	Geologist	AECOM	Monsoon Pumps (8)	
Nicole Schulman	9.25	Environmental Scientist	AECOM	Eijkelkamp flap gouge auger	
McKenzie Miller	10	Environmental Engineer	AECOM	Trimble Geo 7X GPS (5)	
Sumon Chatterjee	10	Environmental Engineer	AECOM	MiniRae 3000 PID (6)	
Toshiro Gibson	10	UXO Technician II	AECOM	Geoprobe 6620 DT (1)	
Evan Wiewiora	9.5	Driller	Cascade/Zebra	Hand Auger (1)	
John Hernandez	9.5	Driller	Cascade/Zebra		
DAILY TOTAL	131.25				
TOTAL TO DATE	2111.5	*(on-site hours only)*			

SUBCONTRACTORS:	**SITE DELIVERIES (indicate size, type, and condition):**
Cascade (Zebra)	None

WORKED PERFORMED BY AECOM

The AECOM and Cascade/Zebra team arrived on site at 0700 completed the Morning Tailgate Health and Safety Meeting and reviewed the task hazards associated with scheduled field work for the day.

Direct Push Soil Sampling

Surface and subsurface soil samples were collected at the listed DUs as follows:

DU03 soil samples were collected at locations DU03-SO01 to 06, 09, 10, and 13 to 15 from 0 - 1 ft bgs (surface soil) and 1 - 2 ft bgs (subsurface soil with hand auger in wetland area and buffer). Samples were collected for analysis of SVOCs and metals (including mercury).

DU04 soil samples were collected at locations DU04-SO01 to 16 from 0 - 1 ft bgs (surface soil) for analysis of metals (including mercury).

DU07 soil samples were collected at locations DU05-SO05 to 07, 09 to 11, and 14 to 16 from 0 - 1 ft bgs (surface soil) and 1 - 2 ft bgs (subsurface soil with hand auger in wetland area and buffer). Samples were collected for analysis of metals (including mercury).

DU10 soil samples were collected at locations DU10-SO01 to 16 from 0 - 1 ft bgs (surface soil) for analysis of metals (including mercury). for analysis of SVOCs/PAHs and metals (including mercury).

DU15 soil samples were collected at locations DU15-SO01 to 16 from 0 - 1 ft bgs (surface soil) and 1 - 2 ft bgs (subsurface soil with hand auger in wetland area and buffer). Samples were collected for analysis of SVOCs/PAHs, PCBs, and metals (including mercury).

Additionally, 10% of metals samples (site-wide) were also evaluated for hexavalent chromium (with pH and ORP). Field and sample data were recorded on the Soil Boring/Sample Forms and electronically via the EDGE software.

Monitoring Well Development

Well development was conducted at the following newly-installed monitoring wells:

CH-MW025: well development finalized; 13 gal were removed over 10 rounds of pumping dry.
CH-MW026: well development finalized; 12 gal were removed over 6 rounds of pumping dry.
CH-MW027: well development finalized; 17.75 gal removed over 9 rounds of pumping dry.
CH-MW029: well development began and finalized; 43.2 gal removed over 19 rounds of pumping dry (recharging between rounds in 6 minutes).
CH-MW031: well development began; 4.2 gal removed over 6 rounds of pumping dry.
CH-MW034: well development began; 8.76 gal removed over 6 rounds of pumping dry.
CH-MW035: well development began; 2.61 gal removed over 7 rounds of pumping dry.
CH-MW036: well development finalized; 16.5 gal were removed over 7 rounds of pumping dry.
CH-MW039: well development finalized; 60.6 gal were remoevd today for a total of 81.3 gal removed over 13 rounds of pumping dry.
CH-MW040: well development finalized; 16.9 gal were removed total over 14 rounds of pumping dry.

Additional rounds of well development will be continued on the specified wells, in attempt to remove a minimum 3X the volume added during well construction.

Sample Management

Soil samples collected collected were Quality Control checked, recorded on Chain of Custody records, and packed on ice for storage. Samples will be held on fresh fresh ice until the next courier pick-up. Chain of Custody records were e-mailed to the Project Chemist (Devon Chicoine) and the Laboratory Project Manager prior to delivery to the lab.

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/15/2017 Thursday

DR No. 14		**WRITTEN BY**: Amanda Martin	**PROJECT NUMBER**: 60443903

WORK COMPLETED BY AECOM SUBCONTRACTORS

Cascade/Zebra completed the above-specified borings at DU01, DU07, DU12, and DU14. Direct Push soil sampling activities were completed. The team decontaminated their rigs and disassembled their tooling for demobilization. Two team members demobilized from the site with the drill rigs; two team members will remain on site to assist with hand-augering locations in wetlands or inaccessible areas.

AGREEMENTS MADE/CONVERSATIONS (Refer to telecons, phone records, and/or logbooks for details)

- Tom Dess (NY State Parks Superintendent) was notified of the number of team members on site at the start of the day.

REQUEST FOR INFORMATION (RFI)

None

TRANSMITTALS / SUBMITTALS

None

AIR MONITORING COMMENTS:

None (air monitoring was not conducted because no drilling activities occurred.)

SAFETY OBSERVATIONS/VIOLATIONS/COMMENTS

None

SITE OBSERVATIONS

None

ATTACHMENTS

Phase III Field Checklists

Superintendent (Signature):

Amanda Martin

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/15/2017 Thursday

DR No. 14		**WRITTEN BY**: Amanda Martin	**PROJECT NUMBER**: 60443903

Daily Photos

Photo 1. Surface soil sampling at DU03. Most of the DU was wetland conditions, as delineated by the AECOM botanist, and the top 1 ft. of soil was 75% roots, moss, and organic matter.

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/16/2017 Friday

DR No. 15		**WRITTEN BY**: Amanda Martin		**PROJECT NUMBER**: 60443903	
Weather: H 70°F	Cloudy	**Days without a lost time injury:**	15		

NAME:	**HRS**	**TRADE:**	**COMPANY:**	**EQUIPMENT:**	**VISITORS/AFFILIATION:**
Mike Glinski	10	SSHO, Geologist	AECOM	Solonist Interface Probe	
Bob Burns	10	SSHO, Scientist	AECOM	Solonist Water Level Meter (3)	
Amanda Martin	10	Site Supervisor	AECOM	Dust Trak II Dust Meter (2)	
Andrew Borden	10	Geologist	AECOM	Geotech Baldder Pump (1)	
John Schroeder	10	Geologist	AECOM	ProActive Monsoon Pump (6)	
Rick Purdy	10	Scientist	AECOM	Shondstadt Magnetometer (2)	
Joel Meunier	10	Geologist	AECOM	Monsoon Pumps (8)	
Nicole Schulman	7.25	Environmental Scientist	AECOM	Eijkelkamp flap gouge auger	
McKenzie Miller	10	Environmental Engineer	AECOM	Trimble Geo 7X GPS (5)	
Sumon Chatterjee	10	Environmental Engineer	AECOM	MiniRae 3000 PID (6)	
Toshiro Gibson	10	UXO Technician II	AECOM	Geoprobe 6620 DT (1)	
Evan Wiewiora	5.5	Driller	Cascade/Zebra	Hand Auger (1)	
John Hernandez	5.5	Driller	Cascade/Zebra		
DAILY TOTAL	118.25				
TOTAL TO DATE	2229.75	*(on-site hours only)*			

SUBCONTRACTORS:	**SITE DELIVERIES (indicate size, type, and condition):**
Cascade (Zebra)	25 bags granular bentonite

WORKED PERFORMED BY AECOM

The AECOM and Cascade/Zebra team arrived on site at 0700 completed the Morning Tailgate Health and Safety Meeting and reviewed the task hazards associated with scheduled field work for the day.

Soil Sampling

Surface and subsurface soil samples were collected at the listed DUs as follows:

DU02 soil samples were collected at locations DU02-SO01 to 16 from 0 - 1 ft bgs (surface soil) with a hand auger, shovel, or disposable plastic scoop. Samples were collected for analysis of metals (including mercury).

DU03 soil samples were collected at locations DU03-SO07, 08, 11, 12, and 16 from 0 - 1 ft bgs (surface soil) and 1 - 2 ft bgs (subsurface soil with hand auger in wetland area and buffer). Samples were collected for analysis of SVOCs and metals (including mercury).

DU09 soil samples were collected at locations DU04-SO01 to 16 from 0 - 1 ft bgs (surface soil) with a shovel for analysis of metals (including mercury).

Additionally, 10% of metals samples (site-wide) were also evaluated for hexavalent chromium (with pH and ORP). Field and sample data were recorded on the Soil Boring/Sample Forms and electronically via the EDGE software.

Monitoring Well Development

Well development was conducted at the following newly-installed monitoring wells:

CH-MW031: well development continued; 2.5 gal removed for a total of 6.7 gal removed over 7 rounds of pumping dry.
CH-MW032: well development began; 39 gal removed over 9 rounds of pumping dry; development not complete.
CH-MW033: well development began and finalized; 118 gal removed over 4 rounds of pumping dry.
CH-MW034: well development continued; 4 gal removed for a total of 12.76 gal over 7 rounds of pumping dry.
CH-MW035: well development continued; 3.6 gal removed today for a total of 6.21 gal removed over 9 rounds of pumping dry.
CH-MW038: well development began and finalized; 66.9 gal removed over 10 rounds of pumping dry.

Additional rounds of well development will be continued on the specified wells, in attempt to remove a minimum 3X the volume added during well construction.

IDW Management

IDW soil samples were collected from the roll-off (non-LNAPL impacted soil) and 55-gal drum (LNAPL impacted soil) for waste characterization. Samples were picked up by the courier today; results should be expected on Thursday 6/22/17.

Sample Management

Soil samples collected were Quality Control checked, recorded on Chain of Custody records, and packed on ice for storage. The courier picked up samples at 0930; samples collected after the pick-up time will be held on fresh ice until the next courier pick-up. Chain of Custody records were e-mailed to the Project Chemist (Devon Chicoine) and the Laboratory Project Manager prior to delivery to the lab.

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/16/2017 Friday

DR No. 15		**WRITTEN BY**: Amanda Martin	**PROJECT NUMBER**: 60443903

WORK COMPLETED BY AECOM SUBCONTRACTORS

Cascade/Zebra delivered a load of granular bentonite, abandoned 15 temporary wells/piezometers installed during Phase I (June 2016) at former Building 203 and AST35/FPH by removing the top 5 feet of riser and back-filling with granular bentonite. PZ-3 was kept in place and secured with a well vault and pad. Cascade/Zebra demobilized from the site at 1230.

AGREEMENTS MADE/CONVERSATIONS (Refer to telecons, phone records, and/or logbooks for details)

- Tom Dess (NY State Parks Superintendent) was notified of the number of team members on site at the start of the day.

REQUEST FOR INFORMATION (RFI)

None

TRANSMITTALS / SUBMITTALS

None

AIR MONITORING COMMENTS:

None (air monitoring was not conducted because no drilling activities occurred.)

SAFETY OBSERVATIONS/VIOLATIONS/COMMENTS

None

SITE OBSERVATIONS

None

ATTACHMENTS

Phase III Field Checklists

Superintendent (Signature):

Amanda Martin

Daily Photos

No photos were collected for today's daily report.

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/19/2017 Monday

DR No. 16		**WRITTEN BY**: Amanda Martin			**PROJECT NUMBER**: 60443903
Weather: H 70°F	Cloudy	**Days without a lost time injury:**		16	
NAME:	**HRS**	**TRADE:**	**COMPANY:**	**EQUIPMENT:**	**VISITORS/AFFILIATION:**
Mike Glinski	10.25	SSHO, Geologist	AECOM	Solonist Interface Probe	
Bob Burns	10.5	SSHO, Scientist	AECOM	Solonist Water Level Meter (3)	
Amanda Martin	10.5	Site Supervisor	AECOM	Dust Trak II Dust Meter (2)	
Andrew Borden	10.5	Geologist	AECOM	Geotech Baldder Pump (1)	
John Schroeder	10.5	Geologist	AECOM	ProActive Monsoon Pump (6)	
Rick Purdy	10.25	Scientist	AECOM	Shondstadt Magnetometer (2)	
Joel Meunier	10.25	Geologist	AECOM	Monsoon Pumps (8)	
McKenzie Miller	10.25	Environmental Engineer	AECOM	Trimble Geo 7X GPS (5)	
Sumon Chatterjee	10.25	Environmental Engineer	AECOM	MiniRae 3000 PID (6)	
Brian Gillis	9.75	Surveyor	Young & Young	Eijkelkamp flap gouge auger	
Jon Darch	9.75	Surveyor	Young & Young	Survey Equipment Trimble G8	
				Hand Auger (1)	
DAILY TOTAL	112.75				
TOTAL TO DATE	2342.5	*(on-site hours only)*			

SUBCONTRACTORS:	**SITE DELIVERIES (indicate size, type, and condition):**
Young & Young	None

WORKED PERFORMED BY AECOM

The AECOM and Young & Young (surveyors) team arrived on site at 0700 completed the Morning Tailgate Health and Safety Meeting and reviewed the task hazards associated with scheduled field work for the day. New team members reviewed and the Accident Prevention Plan.

Soil Sampling

Surface soil samples were collected at the listed DUs as follows:

DU17 soil samples were collected at locations DU17-SO01 to 16 from 0 - 1 ft bgs (surface soil) with a hand auger for analysis of metals (incl. mercury).
DU18 soil samples were collected at locations DU18-SO01 to 16 from 0 - 1 ft bgs (surface soil) with a hand auger for analysis of metals (incl. mercury).

Additionally, 10% of metals samples (site-wide) were also evaluated for hexavalent chromium (with pH and ORP). Field and sample data were recorded on the Soil Boring/Sample Forms and electronically via the EDGE software.

Monitoring Well Development

Well development was conducted at the following newly-installed monitoring wells:

CH-MW019: well re-development began; this well was installed and developed during the December 2016 Phase II event. However, due to low recharge with low water table in December, well re-development was recommended. 5.9 gal were removed over 5 rounds of pumping dry. Re-development not complete.
CH-MW022: well development began; 9.9 gal removed over 7 rounds of pumping dry. Development not complete.
CH-MW023: well development began; 9.5 gal removed over 2 rounds of pumping dry. Development not complete.
CH-MW024: well development began and finalized; 18.3 gal removed over 8 rounds of pumping dry. Development complete.
CH-MW031: well development continued; 2 gal removed for a total of 14.1 gal removed over 11 rounds of pumping/bailing dry over 5 days. Well still turbid, development not complete.
CH-MW032: well development continued and finalized; 33.25 gal removed today for a total of 72.25 gal over 16 rounds of pumping dry; development complete.
CH-MW043: well development began; 44.5 gal removed over 12 rounds of pumping dry. Development not complete.

Additional rounds of well development will be continued on the specified wells, in attempt to remove a minimum 3X the volume added during well construction.

Land Surveying

Land surveying was completed at the following locations:

Soil Sample Locations: DU02, DU04, DU05, DU06, DU16
Surface Water and Sediment Sample Locations: CH-SWSD096 to 110 and CH-SWSD111
Monitoring Wells: CH-MW001 to 004, 010 to 015, 018, 023, 025 to 028, 039, 041, and 042

Latitude, longitude, and ground surface elevation were collected at each location. Top of casing elevation was also collected for monitoring wells.

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/19/2017 Monday

DR No. 16		**WRITTEN BY**: Amanda Martin	**PROJECT NUMBER**: 60443903

Sample Management

Soil samples collected were Quality Control checked, recorded on Chain of Custody records, and packed on ice for storage. The courier picked up samples at 0930; samples collected after the pick-up time will be held on fresh ice until the next courier pick-up. Chain of Custody records were e-mailed to the Project Chemist (Devon Chicoine) and the Laboratory Project Manager prior to delivery to the lab.

WORK COMPLETED BY AECOM SUBCONTRACTORS

Young & Young completed surveying of the locations described above.

AGREEMENTS MADE/CONVERSATIONS (Refer to telecons, phone records, and/or logbooks for details)

- Tom Dess (NY State Parks Superintendent) was notified of the number of team members on site at the start of the day.

REQUEST FOR INFORMATION (RFI)

None

TRANSMITTALS / SUBMITTALS

None

AIR MONITORING COMMENTS:

None (air monitoring was not conducted because no drilling activities occurred.)

SAFETY OBSERVATIONS/VIOLATIONS/COMMENTS

None

SITE OBSERVATIONS

None

ATTACHMENTS

Phase III Field Checklists

Superintendent (Signature):

Amanda Martin

Daily Photos

No photos were collected for today's daily report.

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/20/2017 Tuesday

DR No. 17	**WRITTEN BY**: Amanda Martin		**PROJECT NUMBER**: 60443903
Weather: H 72°F Cloudy, Scattered Showers	**Days without a lost time injury:**	17	

NAME:	HRS	TRADE:	COMPANY:	EQUIPMENT:	VISITORS/AFFILIATION:
Mike Glinski	11.25	SSHO, Geologist	AECOM	Solonist Interface Probe	PJ Mion, USACE
Bob Burns	11.5	SSHO, Scientist	AECOM	Solonist Water Level Meter (3)	
Amanda Martin	11.5	Site Supervisor	AECOM	Dust Trak II Dust Meter (2)	
Andrew Borden	11.5	Geologist	AECOM	Geotech Baldder Pump (1)	
John Schroeder	11.5	Geologist	AECOM	ProActive Monsoon Pump (6)	
Rick Purdy	11.25	Scientist	AECOM	Shondstadt Magnetometer (2)	
Joel Meunier	11.5	Geologist	AECOM	Monsoon Pumps (8)	
McKenzie Miller	11.25	Environmental Engineer	AECOM	Trimble Geo 7X GPS (5)	
Sumon Chatterjee	11.25	Environmental Engineer	AECOM	MiniRae 3000 PID (6)	
Brian Gillis	9.5	Surveyor	Young & Young	Eijkelkamp flap gouge auger	
Jon Darch	9.5	Surveyor	Young & Young	Survey Equipment Trimble G8	
				Hand Auger (1)	
DAILY TOTAL	121.5				
TOTAL TO DATE	2464	*(on-site hours only)*			

SUBCONTRACTORS:	SITE DELIVERIES (indicate size, type, and condition):
Young & Young	None

WORKED PERFORMED BY AECOM

The AECOM and Young & Young (surveyors) team arrived on site at 0700 completed the Morning Tailgate Health and Safety Meeting and reviewed the task hazards associated with scheduled field work for the day.

Soil Sampling

Surface soil samples were collected at the listed DUs as follows:

DU11 soil samples were collected at locations DU11-SO01 to 16 from 0 - 1 ft bgs (surface soil) with a hand auger for analysis of metals (incl. mercury).
DU13 soil samples were collected at locations DU13-SO01 to 16 from 0 - 1 ft bgs (surface soil) with a hand auger for analysis of metals (incl. mercury).

Additionally, 10% of metals samples (site-wide) were also evaluated for hexavalent chromium (with pH and ORP). Field and sample data were recorded on the Soil Boring/Sample Forms and electronically via the EDGE software.

Monitoring Well Development

Well development was conducted at the following newly-installed monitoring wells:

CH-MW019: well re-development continued and finalized; this well was installed and developed during the December 2016 Phase II event. However, due to low recharge/low water table in December, well re-development was recommended. 6.6 gal were removed over 6 rounds of pumping dry. Re-development complete.
CH-MW022: well development continued and finalized; 5.1 gal removed today for a total of 16.5 gal removed over 9 rounds of pumping dry. Development complete.
CH-MW023: well development continued and finalized; 21.35 gal removed today for a total of 30.85 gal removed over 7 rounds of pumping dry. Development complete.
CH-MW031: well development continued and finalized; 2 gal removed today for a total of 16.1 gal removed over 12 rounds of pumping/bailing dry over 6 days. Development complete.
CH-MW030: well development began and finalized; 15.5 gal removed over 4 rounds of pumping dry (over 2 well volumes removed); development considered complete.
CH-MW043: well development continued; 34.75 gal removed for a total of 79 gal removed over 18 rounds of pumping dry. Development complete.

Additional rounds of well development will be continued on the specified wells, in attempt to remove a minimum 3X the volume added during well construction.

Land Surveying

Land surveying was completed at the following locations:

Soil Sample Locations: DU15, DU07, DU18, DU10, DU11, DU12
Surface Water and Sediment Sample Locations: CH-SWSD001 to 003, 031 to 045, 056 to 079, 126 to 140
Monitoring Wells: CH-MW005, 006, 008, 030, 033, 040

Latitude, longitude, and ground surface elevation were collected at each location. Top of casing elevation was also collected for monitoring wells.

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/20/2017 Tuesday

DR No. 17	**WRITTEN BY**: Amanda Martin	**PROJECT NUMBER**: 60443903

Sample Management

Soil samples collected were Quality Control checked, recorded on Chain of Custody records, and packed on ice for storage. Samples will be held on fresh ice until the next courier pick-up. Chain of Custody records were e-mailed to the Project Chemist (Devon Chicoine) and the Laboratory Project Manager prior to delivery to the lab.

WORK COMPLETED BY AECOM SUBCONTRACTORS

Young & Young completed surveying of the locations described above.

AGREEMENTS MADE/CONVERSATIONS (Refer to telecons, phone records, and/or logbooks for details)

- Tom Dess (NY State Parks Superintendent) was notified of the number of team members on site at the start of the day.

REQUEST FOR INFORMATION (RFI)

None

TRANSMITTALS / SUBMITTALS

None

AIR MONITORING COMMENTS:

None (air monitoring was not conducted because no drilling activities occurred.)

SAFETY OBSERVATIONS/VIOLATIONS/COMMENTS

None

SITE OBSERVATIONS

None

ATTACHMENTS

Phase III Field Checklists

Superintendent (Signature):

Amanda Martin

Daily Photos

No photos were collected for today's daily report.

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/21/2017 Wednesday

DR No. 18		**WRITTEN BY**: Amanda Martin		**PROJECT NUMBER**: 60443903
Weather: H 75°F	Mostly Sunny	**Days without a lost time injury:**	18	

NAME:	HRS	TRADE:	COMPANY:	EQUIPMENT:	VISITORS/AFFILIATION:
Mike Glinski	10.25	SSHO, Geologist	AECOM	Solonist Interface Probe	PJ Mion, USACE
Bob Burns	10.25	SSHO, Scientist	AECOM	Solonist Water Level Meter (3)	
Amanda Martin	10.25	Site Supervisor	AECOM	Dust Trak II Dust Meter (2)	
Andrew Borden	10.25	Geologist	AECOM	Geotech Baldder Pump (1)	
John Schroeder	8.5	Geologist	AECOM	ProActive Monsoon Pump (6)	
Rick Purdy	10.25	Scientist	AECOM	Shondstadt Magnetometer (2)	
Joel Meunier	10.25	Geologist	AECOM	Monsoon Pumps (8)	
McKenzie Miller	10.25	Environmental Engineer	AECOM	Trimble Geo 7X GPS (5)	
Sumon Chatterjee	10.25	Environmental Engineer	AECOM	MiniRae 3000 PID (6)	
Brian Gillis	9.75	Surveyor	Young & Young	Eijkelkamp flap gouge auger	
Jon Darch	9.75	Surveyor	Young & Young	Survey Equipment Trimble G8	
				Hand Auger (1)	
DAILY TOTAL	110				
TOTAL TO DATE	2574	*(on-site hours only)*			

SUBCONTRACTORS:	S
Young & Young	None

WORKED PERFORMED BY AECOM

The AECOM and Young & Young (surveyors) team arrived on site at 0700 completed the Morning Tailgate Health and Safety Meeting and reviewed the task hazards associated with scheduled field work for the day.

Monitoring Well Sampling

Groundwater samples were collected from the following monitoring wells:

CH-MW036: groundwater samples were collected for analysis of SVOCs/PAHs andn metals (incl. mercury). Filtered and unfiltered samples were collected.
CH-MW038: groundwater samples were collected for analysis of SVOCs/PAHs and metals (incl. mercury). Filtered and unfiltered samples were collected.
CH-MW039: groundwater samples were collected for analysis of SVOCs/PAHs and metals (incl. mercury). Filtered and unfiltered samples were collected. MS/MSD samples were also collected.
CH-MW040: groundwater samples were collected for analysis of SVOCs/PAHs, PCBs, and metals (incl. mercury). Filtered and unfiltered samples were collected. Duplicate samples were also collected.
CH-MW041: groundwater samples were collected for analysis of SVOCs/PAHs and metals (incl. mercury). Filtered and unfiltered samples were collected.
CH-MW042: groundwater samples were collected for analysis of SVOCs/PAHs and metals (incl. mercury). Filtered and unfiltered samples were collected.

Additionally, 10% of metals samples (site-wide) were also evaluated for hexavalent chromium (with pH and ORP). Field and sample data were recorded electronically via the EDGE software.

Hydraulic Conductivity Testing

Hydraulic conductivity testing (slug tests) was conducted at CH-MW020. Three rising-head and three falling-head tests were conducted.

Land Surveying

Land surveying was completed at the following locations:

Soil Sample Locations: DU03, DU09, DU13, DU14
Surface Water and Sediment Sample Locations: CH-SWSD016 to 025, 080 to 095, 112 to 125, and 141 to 155.
Monitoring Wells: CH-MW007, 031, 034 to 037

Latitude, longitude, and ground surface elevation were collected at each location. Top of casing elevation was also collected for monitoring wells.

Sample Management

Soil samples collected were Quality Control checked, recorded on Chain of Custody records, and packed on ice for storage. Samples will be held on fresh ice until the next courier pick-up. Chain of Custody records were e-mailed to the Project Chemist (Devon Chicoine) and the Laboratory Project Manager prior to delivery to the lab.

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/21/2017 Wednesday

DR No. 18		**WRITTEN BY**: Amanda Martin	**PROJECT NUMBER**: 60443903

WORK COMPLETED BY AECOM SUBCONTRACTORS

Young & Young completed surveying of the locations described above.

AGREEMENTS MADE/CONVERSATIONS (Refer to telecons, phone records, and/or logbooks for details)

- Tom Dess (NY State Parks Superintendent) was notified of the number of team members on site at the start of the day.

REQUEST FOR INFORMATION (RFI)

None

TRANSMITTALS / SUBMITTALS

None

AIR MONITORING COMMENTS:

None (air monitoring was not conducted because no drilling activities occurred.)

SAFETY OBSERVATIONS/VIOLATIONS/COMMENTS

Accu-vac™ vials will be utilized for field testing of ferrous iron concentrations in groundwater. The tips of the vials are sharp after breaking to fill. The team reviewed procedures for working with sharp items and created a "sharps" container for used Accu-vac™ vials.

SITE OBSERVATIONS

None

ATTACHMENTS

Phase III Field Checklists

Superintendent (Signature):

Amanda Martin

Daily Photos

No photos were collected for today's daily report.

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/22/2017 Thursday

DR No. 19	**WRITTEN BY**: Amanda Martin		**PROJECT NUMBER**: 60443903
Weather: H 78°F Mostly Sunny	**Days without a lost time injury:** 19		

NAME:	HRS	TRADE:	COMPANY:	EQUIPMENT:	VISITORS/AFFILIATION:
Mike Glinski	10	SSHO, Geologist	AECOM	Solonist Interface Probe	PJ Mion, USACE
Bob Burns	10	SSHO, Scientist	AECOM	Solonist Water Level Meter (3)	
Amanda Martin	10	Site Supervisor	AECOM	Dust Trak II Dust Meter (2)	
Andrew Borden	10	Geologist	AECOM	Geotech Baldder Pump (1)	
John Schroeder	8.5	Geologist	AECOM	ProActive Monsoon Pump (6)	
Rick Purdy	10	Scientist	AECOM	Shondstadt Magnetometer (2)	
Joel Meunier	10	Geologist	AECOM	Monsoon Pumps (8)	
McKenzie Miller	10	Environmental Engineer	AECOM	Trimble Geo 7X GPS (5)	
Sumon Chatterjee	10	Environmental Engineer	AECOM	MiniRae 3000 PID (6)	
Brian Gillis	8.5	Surveyor	Young & Young	Eijkelkamp flap gouge auger	
Jon Darch	8.5	Surveyor	Young & Young	Survey Equipment Trimble G8	
				Hand Auger (1)	
DAILY TOTAL	105.5				
TOTAL TO DATE	2652.5	*(on-site hours only)*			

SUBCONTRACTORS:	SITE DELIVERIES
Young & Young	None

WORKED PERFORMED BY AECOM

The AECOM and Young & Young (surveyors) team arrived on site at 0700 completed the Morning Tailgate Health and Safety Meeting and reviewed the task hazards associated with scheduled field work for the day.

Monitoring Well Sampling

Groundwater samples were collected from the following monitoring wells:

CH-MW025: groundwater samples were collected for analysis of VOCs, SVOCs/PAHs, and metals (incl. mercury). Filtered and unfiltered samples were collected or SVOCs/PAHs and metals.

CH-MW026: groundwater samples were collected for analysis of VOCs, SVOCs/PAHs, metals (incl. mercury), and MNA parameters*. Filtered and unfiltered samples were collected or SVOCs/PAHs and metals.

CH-MW027: groundwater samples were collected for analysis of VOCs, SVOCs/PAHs, and metals (incl. mercury). Filtered and unfiltered samples were collected or SVOCs/PAHs and metals.

CH-MW028: groundwater samples were collected for analysis of VOCs, SVOCs/PAHs, and metals (incl. mercury). Filtered and unfiltered samples were collected or SVOCs/PAHs and metals.

CH-MW029: groundwater samples were collected for analysis of SVOCs/PAHs and metals (incl. mercury). Filtered and unfiltered samples were collected.

CH-MW037: groundwater samples were collected for analysis of SVOCs/PAHs, metals (incl. mercury), and MNA parameters*. Filtered and unfiltered samples were collected for SVOCs/PAHs and metals. Duplicate samples were collected.

Additionally, 10% of metals samples (site-wide) were also evaluated for hexavalent chromium (with pH and ORP). Field and sample data were recorded electronically via the EDGE software.

** MNA parameters consist of biochemical oxygen demand, total oxygen demand, total organic carbon, ferrous iron (field analysis), chlorides, sulfates and sulfides, nitrates and nitrites, alkalinity, methane, ethane, and ethene.*

Hydraulic Conductivity Testing

Hydraulic conductivity tests (slug tests) were conducted at monitoring wells at DU01. Three rising-head and three falling-head tests were conducted and CH-MW016, one falling-head test was conducted at CH-MW018, and one falling-head test was conducted at CH-MW021.

Land Surveying

Land surveying was completed at the following locations:, which completed the Phase III surveying effort:

Soil Sample Locations: DU01, DU17
Surface Water and Sediment Sample Locations: CH-SWSD004 to 015, 024 to 030, and 046 to 055.
Monitoring Wells: CH-MW016, 017, 019 to 022, and PZ-3.

Latitude, longitude, and ground surface elevation were collected at each location. Top of casing elevation was also collected for monitoring wells.

Sample Management

Soil samples collected were Quality Control checked, recorded on Chain of Custody records, and packed on ice for storage. Samples will be held on fresh ice until the next courier pick-up. Chain of Custody records were e-mailed to the Project Chemist (Devon Chicoine) and the Laboratory Project Manager prior to delivery to the lab.

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/22/2017 Thursday

DR No. 19		**WRITTEN BY**: Amanda Martin	**PROJECT NUMBER**: 60443903

WORK COMPLETED BY AECOM SUBCONTRACTORS

Young & Young completed surveying of the locations described above, which finalized surveying activities for the Phase III effort. Young & Young demobilized from the site.

AGREEMENTS MADE/CONVERSATIONS (Refer to telecons, phone records, and/or logbooks for details)

- Tom Dess (NY State Parks Superintendent) was notified of the number of team members on site at the start of the day.

REQUEST FOR INFORMATION (RFI)

None

TRANSMITTALS / SUBMITTALS

None

AIR MONITORING COMMENTS:

None (air monitoring was not conducted because no drilling activities occurred.)

SAFETY OBSERVATIONS/VIOLATIONS/COMMENTS

None

SITE OBSERVATIONS

None

ATTACHMENTS

Phase III Field Checklists

Superintendent (Signature):

Amanda Martin

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/22/2017 Thursday

DR No. 19		**WRITTEN BY**: Amanda Martin	**PROJECT NUMBER**: 60443903

Daily Photos

Photo 1. Slug test being conducted at CH-MW016 near DU01 (former Building 203).

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/23/2017 Friday

DR No. 20		**WRITTEN BY**: Amanda Martin			**PROJECT NUMBER**: 60443903
Weather: H 78°F	Sunny	**Days without a lost time injury:**	20		

NAME:	**HRS**	**TRADE:**	**COMPANY:**	**EQUIPMENT:**	**VISITORS/AFFILIATION:**
Mike Glinski	8	SSHO, Geologist	AECOM	Solonist Interface Probe	PJ Mion, USACE
Bob Burns	8	SSHO, Scientist	AECOM	Solonist Water Level Meter (3)	
Amanda Martin	8	Site Supervisor	AECOM	Dust Trak II Dust Meter (2)	
Andrew Borden	8	Geologist	AECOM	Geotech Baldder Pump (1)	
John Schroeder	8	Geologist	AECOM	ProActive Monsoon Pump (6)	
Rick Purdy	8	Scientist	AECOM	Shondstadt Magnetometer (2)	
Joel Meunier	8	Geologist	AECOM	Monsoon Pumps (8)	
McKenzie Miller	8	Environmental Engineer	AECOM	Trimble Geo 7X GPS (5)	
Sumon Chatterjee	8	Environmental Engineer	AECOM	MiniRae 3000 PID (6)	
				Eijkelkamp flap gouge auger	
				Hand Auger (1)	
DAILY TOTAL	72				
TOTAL TO DATE	2724.5	*(on-site hours only)*			

SUBCONTRACTORS:	**SITE DELIVERIES**
Young & Young	None

WORKED PERFORMED BY AECOM

The AECOM team arrived on site at 0700 completed the Morning Tailgate Health and Safety Meeting and reviewed the task hazards associated with the scheduled field work for the day.

Monitoring Well Sampling

Groundwater samples were collected from the following monitoring wells:

CH-MW021: groundwater samples were collected for analysis of VOCs, SVOCs/PAHs, and metals (incl. mercury). Filtered and unfiltered samples were collected or SVOCs/PAHs and metals.
CH-MW031: groundwater samples were collected for analysis of SVOCs/PAHs and metals (incl. mercury). Filtered and unfiltered samples were collected.
CH-MW032: groundwater samples were collected for analysis of SVOCs/PAHs and metals (incl. mercury). Filtered and unfiltered samples were collected.
CH-MW033: groundwater samples were collected for analysis of SVOCs/PAHs and metals (incl. mercury). Filtered and unfiltered samples were collected.
CH-MW034: groundwater samples were collected for analysis of SVOCs/PAHs and metals (incl. mercury). Filtered and unfiltered samples were collected.
CH-MW035: groundwater samples were collected for analysis of SVOCs/PAHs and metals (incl. mercury). Filtered and unfiltered samples were collected.

Additionally, 10% of metals samples (site-wide) were also evaluated for hexavalent chromium (with pH and ORP). Field and sample data were recorded electronically via the EDGE software.

Hydraulic Conductivity Testing

Hydraulic conductivity tests (slug tests) were continued at monitoring wells at CH-MW016 and began at CH-MW018.

Sample Management

Soil samples collected were Quality Control checked, recorded on Chain of Custody records, and packed on ice for storage. Samples were picked up by the courier for transport to the laboratory at 0900. Samples collected after courier pick-up will be held on fresh ice until the next courier pick-up. Chain of Custody records were e-mailed to the Project Chemist (Devon Chicoine) and the Laboratory Project Manager prior to delivery to the lab.

WORK COMPLETED BY AECOM SUBCONTRACTORS

None

AGREEMENTS MADE/CONVERSATIONS (Refer to telecons, phone records, and/or logbooks for details)

- Tom Dess (NY State Parks Superintendent) was notified of the number of team members on site at the start of the day.

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/23/2017 Friday

DR No. 20		**WRITTEN BY**: Amanda Martin	**PROJECT NUMBER**: 60443903

REQUEST FOR INFORMATION (RFI)

None

TRANSMITTALS / SUBMITTALS

None

AIR MONITORING COMMENTS:

None (air monitoring was not conducted because no drilling activities occurred.)

SAFETY OBSERVATIONS/VIOLATIONS/COMMENTS

None

SITE OBSERVATIONS

None

ATTACHMENTS

Phase III Field Checklists

Superintendent (Signature):

Amanda Martin

Daily Photos

No photos were collected for today's daily report.

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/26/2017 Monday

DR No. 21		**WRITTEN BY**: Amanda Martin			**PROJECT NUMBER**: 60443903
Weather: H 75°F	Mostly Sunny	**Days without a lost time injury:**		21	
NAME:	**HRS**	**TRADE:**	**COMPANY:**	**EQUIPMENT:**	**VISITORS/AFFILIATION:**
Mike Glinski	9.25	SSHO, Geologist	AECOM	Solonist Interface Probe	
Bob Burns	9.25	SSHO, Scientist	AECOM	Solonist Water Level Meter (3)	
Amanda Martin	9.25	Site Supervisor	AECOM	Dust Trak II Dust Meter (2)	
Andrew Borden	9.25	Geologist	AECOM	Geotech Baldder Pump (1)	
John Schroeder	9.25	Geologist	AECOM	ProActive Monsoon Pump (6)	
Rick Purdy	9.25	Scientist	AECOM	Shondstadt Magnetometer (2)	
Joel Meunier	9.25	Geologist	AECOM	Monsoon Pumps (8)	
McKenzie Miller	9.25	Environmental Engineer	AECOM	Trimble Geo 7X GPS (5)	
Sumon Chatterjee	9.25	Environmental Engineer	AECOM	MiniRae 3000 PID (6)	
				Eijkelkamp flap gouge auger	
				Hand Auger (1)	
DAILY TOTAL	83.25				
TOTAL TO DATE	2807.75	*(on-site hours only)*			

SUBCONTRACTORS:	**SITE DELIVERIES**
None	None

WORKED PERFORMED BY AECOM

The AECOM team arrived on site at 0700 completed the Morning Tailgate Health and Safety Meeting and reviewed the task hazards associated with the scheduled field work for the day.

Monitoring Well Sampling

Groundwater samples were collected from the following monitoring wells:

CH-MW018: groundwater samples were collected for analysis of VOCs, SVOCs/PAHs, and metals (incl. mercury). Filtered and unfiltered samples were collected or SVOCs/PAHs and metals. Additionally, duplicate samples were collected.

CH-MW020: groundwater samples were collected for analysis of VOCs, SVOCs/PAHs, metals (incl. mercury), and MNA parameters*. Filtered and unfiltered samples were collected for SVOCs/PAHs and metals.

CH-MW022: groundwater samples were collected for analysis of VOCs, SVOCs/PAHs, and metals (incl. mercury). Filtered and unfiltered samples were collected or SVOCs/PAHs and metals. Additionally, duplicate samples were collected.

CH-MW023: groundwater samples were collected for analysis of VOCs, SVOCs/PAHs, and metals (incl. mercury). Filtered and unfiltered samples were collected or SVOCs/PAHs and metals.

CH-MW024: groundwater samples were collected for analysis of VOCs, SVOCs/PAHs, metals (incl. mercury), and MNA parameters*. Filtered and unfiltered samples were collected for SVOCs/PAHs and metals.

CH-MW030: groundwater samples were collected for analysis of SVOCs/PAHs and metals (incl. mercury). Filtered and unfiltered samples were collected.

Additionally, 10% of metals samples (site-wide) were also evaluated for hexavalent chromium (with pH and ORP). Field and sample data were recorded electronically via the EDGE software.

** MNA parameters consist of biochemical oxygen demand, total oxygen demand, total organic carbon, ferrous iron (field analysis), chlorides, sulfates and sulfides, nitrates and nitrites, alkalinity, methane, ethane, and ethene.*

Hydraulic Conductivity Testing

Hydraulic conductivity tests (slug tests) were continued at monitoring wells at CH-MW019 and CH-MW021.

Demobilization Preparation

Location flagging was removed from DU01, DU02, DU03, DU04, DU12, DU13, and DU14 and CH-SWSD080 to 084, 111 to 125, and 019 to 023.

Sample Management

Soil samples collected were Quality Control checked, recorded on Chain of Custody records, and packed on ice for storage. Samples will be held on fresh ice until the next courier pick-up. Chain of Custody records were e-mailed to the Project Chemist (Devon Chicoine) and the Laboratory Project Manager prior to delivery to the lab.

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/26/2017 Monday

DR No. 21		**WRITTEN BY**: Amanda Martin	**PROJECT NUMBER**: 60443903

WORK COMPLETED BY AECOM SUBCONTRACTORS

None

AGREEMENTS MADE/CONVERSATIONS (Refer to telecons, phone records, and/or logbooks for details)

- Tom Dess (NY State Parks Superintendent) was notified of the number of team members on site at the start of the day.

REQUEST FOR INFORMATION (RFI)

None

TRANSMITTALS / SUBMITTALS

None

AIR MONITORING COMMENTS:

None (air monitoring was not conducted because no drilling activities occurred.)

SAFETY OBSERVATIONS/VIOLATIONS/COMMENTS

None

SITE OBSERVATIONS

None

ATTACHMENTS

Phase III Field Checklists

Superintendent (Signature):

Amanda Martin

Daily Photos

No photos were collected for today's daily report.

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/27/2017 Tuesday

DR No. 22		**WRITTEN BY**: Amanda Martin		**PROJECT NUMBER**: 60443903	
Weather: H 75°F	Mostly Sunny	**Days without a lost time injury:**	22		

NAME:	**HRS**	**TRADE:**	**COMPANY:**	**EQUIPMENT:**	**VISITORS/AFFILIATION:**
Mike Glinski	9	SSHO, Geologist	AECOM	Solonist Interface Probe	
Bob Burns	9	SSHO, Scientist	AECOM	Solonist Water Level Meter (3)	
Amanda Martin	9	Site Supervisor	AECOM	Dust Trak II Dust Meter (2)	
Andrew Borden	9	Geologist	AECOM	Geotech Baldder Pump (1)	
John Schroeder	9	Geologist	AECOM	ProActive Monsoon Pump (6)	
Rick Purdy	9	Scientist	AECOM	Shondstadt Magnetometer (2)	
Joel Meunier	9	Geologist	AECOM	Monsoon Pumps (8)	
McKenzie Miller	9	Environmental Engineer	AECOM	Trimble Geo 7X GPS (5)	
Sumon Chatterjee	9	Environmental Engineer	AECOM	MiniRae 3000 PID (6)	
				Eijkelkamp flap gouge auger	
				Hand Auger (1)	
DAILY TOTAL	81				
TOTAL TO DATE	2888.75	*(on-site hours only)*			

SUBCONTRACTORS:	**SITE DELIVERIES**
None	None

WORKED PERFORMED BY AECOM

The AECOM team arrived on site at 0800 completed the Morning Tailgate Health and Safety Meeting and reviewed the task hazards associated with the scheduled field work for the day.

Monitoring Well Sampling

Groundwater samples were collected from the following monitoring wells:

CH-MW016: groundwater samples were collected for analysis of VOCs, SVOCs/PAHs, metals (incl. mercury), and MNA parameters*. Filtered and unfiltered samples were collected for SVOCs/PAHs and metals. Additionally, a MS/MSD sample was collected.

CH-MW043: groundwater samples were collected for analysis of VOCs, SVOCs/PAHs, and metals (incl. mercury). Filtered and unfiltered samples were collected or SVOCs/PAHs and metals.

Additionally, 10% of metals samples (site-wide) were also evaluated for hexavalent chromium (with pH and ORP). Field and sample data were recorded electronically via the EDGE software.

** MNA parameters consist of biochemical oxygen demand, total oxygen demand, total organic carbon, ferrous iron (field analysis), chlorides, sulfates and sulfides, nitrates and nitrites, alkalinity, methane, ethane, and ethene.*

Hydraulic Conductivity Testing

Hydraulic conductivity tests (slug tests) were continued and finalized at monitoring wells at CH-MW019 and CH-MW021.

IDW Management

Liquid IDW samples were collected from the poly frac tank (IDW-WW062717-01) and the drums containing petroleum-impacted water (IDW-WW062717-02) for analysis of TCLP VOCs and SVOCs, Full TCLP, RCRA 8 Metals, flashpoint, ignitability, and pH. Samples will be picked up by the laboratory courier on Wednesday June 28, 2017, and delivered to the laboratory on Thursday June 29, 2017. An expedited turn-around-time of 6 days was requested and results are expected on Friday July 7, 2017.

Anomaly Inspection near Radar Tower Fence

Mr. Greg Goepfert (USACE New York Project Manager) received information from a History Channel contact indicating two possible anomalies near the Radar Tower fence (see attached figure). Mr. Geopfert inquired as to whether these locations correspond to any of our previous findings, and Ms. Megan Cullen (USACE NAE Technical Lead) requested that do a visual inspection and magnetometer inspection, if possible.

A visual and Shonsdadt (magnetometer) survey of the anomaly area in question was completed by the field team. There were no visual indicators of anomalies (see below photo). The Shondstadt survey was completed along the entire East fenceline of the Radar Tower. There was interference from the metal fence within a 3 to 4 ft range of the fence, but there were no larger Shondstadt responses in the area of the suggested anomalies compared to the rest of the fenceline interference (no indication of large subsurface anomalies).

The Cashin Associates 1998 Feasibility Study/Hazardous Materials Survey did not identify any areas of concern near the suggested anomaly locations. The AECOM historical records search and utility drawings review did not identify any potential hazardous waste storage or use in this area. Therefore, no environmental investigation was conducted in this area.

Mr. Brendan McGuinness (AECOM Technical lead) indicated that the historic water utility distribution drawings provided by NYS State Parks do identify a 3-inch water line from the well 1 (pump house) across the street and a 6-inch water line (likely steel from date of use) from the water reservoir to Battery 113 ran underground through this area shown as anomolies. These former utilities could potentially result in the magnetic anomalies.

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/27/2017 Tuesday

DR No. 22		**WRITTEN BY**: Amanda Martin	**PROJECT NUMBER**: 60443903

WORKED PERFORMED BY AECOM (continued)

Demobilization Preparation

Location flagging was removed from all remaining DUs and SWSD locations.

Sample Management

Soil samples collected were Quality Control checked, recorded on Chain of Custody records, and packed on ice for storage. Samples were picked up by the courier for transport to the laboratory at 0900. Samples collected after courier pick-up will be held on fresh ice until the next courier pick-up. Chain of Custody records were e-mailed to the Project Chemist (Devon Chicoine) and the Laboratory Project Manager prior to delivery to the lab.

WORK COMPLETED BY AECOM SUBCONTRACTORS

None

AGREEMENTS MADE/CONVERSATIONS (Refer to telecons, phone records, and/or logbooks for details)

- Tom Dess (NY State Parks Superintendent) was notified of the number of team members on site at the start of the day.

REQUEST FOR INFORMATION (RFI)

None

TRANSMITTALS / SUBMITTALS

None

AIR MONITORING COMMENTS:

None (air monitoring was not conducted because no drilling activities occurred.)

SAFETY OBSERVATIONS/VIOLATIONS/COMMENTS

None

SITE OBSERVATIONS

None

ATTACHMENTS

Phase III Field Checklists

Superintendent (Signature):

Amanda Martin

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/27/2017 Tuesday

DR No. 22		**WRITTEN BY**: Amanda Martin	**PROJECT NUMBER**: 60443903

Daily Photos

Photo 1. Radar tower fenceline at location of suspected subsurface anomaly from History Channel Contact. Visual and shondstadt inspection provided no indication of subsurface anomalies.

GeoView	FIGURE 3	CAMP HERO ON MONTAUK POINT
	COLOR CONTOUR MAP OF MAGNETIC RESPONSE	RADAR TOWER AREA
		PROJECT: 24721 DATE: 1/26/17

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United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/28/2017 Wednesday

DR No. 23		**WRITTEN BY**: Amanda Martin		**PROJECT NUMBER**: 60443903
Weather: H 75°F	Sunny	**Days without a lost time injury:**	23	

NAME:	HRS	TRADE:	COMPANY:	EQUIPMENT:	VISITORS/AFFILIATION:
Mike Glinski	4	SSHO, Geologist	AECOM	Solonist Interface Probe	
Bob Burns	4	SSHO, Scientist	AECOM	Solonist Water Level Meter (3)	
Amanda Martin	4	Site Supervisor	AECOM	Dust Trak II Dust Meter (2)	
Andrew Borden	4	Geologist	AECOM	Geotech Baldder Pump (1)	
John Schroeder	4	Geologist	AECOM	ProActive Monsoon Pump (6)	
Rick Purdy	4	Scientist	AECOM	Shondstadt Magnetometer (2)	
Joel Meunier	4	Geologist	AECOM	Monsoon Pumps (8)	
McKenzie Miller	4	Environmental Engineer	AECOM	Trimble Geo 7X GPS (5)	
				MiniRae 3000 PID (6)	
				Eijkelkamp flap gouge auger	
				Hand Auger (1)	
DAILY TOTAL	32				
TOTAL TO DATE	2920.75	*(on-site hours only)*			

SUBCONTRACTORS:	SITE DELIVERIES
None	None

WORKED PERFORMED BY AECOM

The AECOM team arrived on site at 0800 completed the Morning Tailgate Health and Safety Meeting and reviewed the task hazards associated with the scheduled field work for the day.

Monitoring Well Sampling

Groundwater samples were collected from the following monitoring well:

CH-MW019: groundwater samples were collected for analysis of VOCs, SVOCs/PAHs, and metals (incl. mercury). Filtered and unfiltered samples were collected for SVOCs/PAHs and metals.

Additionally, 10% of metals samples (site-wide) were also evaluated for hexavalent chromium (with pH and ORP). Field and sample data were recorded electronically via the EDGE software.

Hydraulic Conductivity Testing

Hydraulic conductivity tests (slug tests) were finalized at monitoring wells at CH-MW019 and CH-MW021.

Sample Management

Soil samples collected were Quality Control checked, recorded on Chain of Custody records, and packed on ice for storage. Samples were picked up by the courier for transport to the laboratory at 0900. Samples collected after courier pick-up will be held on fresh ice until the next courier pick-up. Chain of Custody records were e-mailed to the Project Chemist (Devon Chicoine) and the Laboratory Project Manager prior to delivery to the lab.

Demobilization Activities

Upon completion of the Phase III field investigation, the following demobilization activities were completed:

- All gates were locked and double-checked (as was daily practice).
- All wells were locked with well locks.
- All flagging associated with the investigation was removed throughout the park.
- Keys were returned to the State Park office (2 - 3900 park master keys, 2 - West Gate House keys).
- The West Gate House was emptied and cleaned.
- Equipment and supplies were inventoried, cleaned if necessary, and packed for transport.
- The Conex box by the West Gate House was emptied, cleaned, and scheduled for pickup between on June 29 2017.
- The Porta John by the West Gate House was scheduled for pickup on June 29 2017.
- Grass seed (tall fescue, per NYS Park's request) was planted in areas with ruts from the drill rigs.

The AECOM team demobilized from the site at 1200.

WORK COMPLETED BY AECOM SUBCONTRACTORS

None

United States Army Corps of Engineers
Former Camp Hero Remedial Investigation
Montauk, New York

Contractor Daily Reports

DATE: 6/28/2017 Wednesday

DR No. 23		**WRITTEN BY**: Amanda Martin	**PROJECT NUMBER**: 60443903

AGREEMENTS MADE/CONVERSATIONS (Refer to telecons, phone records, and/or logbooks for details)

- Tom Dess (NY State Parks Superintendent) was notified of the number of team members on site at the start of the day. Additionally, Mr. Dess was contacted prior to demobilization regarding all demobilization preparations and key return.

REQUEST FOR INFORMATION (RFI)

None

TRANSMITTALS / SUBMITTALS

None

AIR MONITORING COMMENTS:

None (air monitoring was not conducted because no drilling activities occurred.)

SAFETY OBSERVATIONS/VIOLATIONS/COMMENTS

None

SITE OBSERVATIONS

None

ATTACHMENTS

Phase III Field Checklists

Superintendent (Signature):

Amanda Martin

Daily Photos

No photos were collected for today's daily report.

Phase III Field Checklist - Monitoring Well Installation, Development, Sampling
Camp Hero Remedial Investigation
Montauk, New York

Location ID	Flagging	Utility Clearance	UXO Anomaly Avoidance	Wetlands Delineation	Rare Plant Survey	Vegetation Clearance	Well Installation	Well Development	GW Sampling	Slug Tests	Land Survey
CH-MW001											AB/Y&Y 6/19
CH-MW002											AB/Y&Y 6/19
CH-MW003											AB/Y&Y 6/19
CH-MW004											AB/Y&Y 6/19
CH-MW005											AB/Y&Y 6/20
CH-MW006											AB/Y&Y 6/20
CH-MW007											MM/Y&Y 6/21
CH-MW008											AB/Y&Y 6/20
CH-MW009											MM/Y&Y 6/22
CH-MW010											AB/Y&Y 6/19
CH-MW011											AB/Y&Y 6/19
CH-MW012											AB/Y&Y 6/19
CH-MW013											AB/Y&Y 6/19
CH-MW014											AB/Y&Y 6/19
CH-MW015											AB/Y&Y 6/19
CH-MW016									JS 6/27	AB/JM 6/22	MM/Y&Y 6/22
CH-MW017											MM/Y&Y 6/22
CH-MW018									BB 6/26	JM/MM 6/26	AB/Y&Y 6/19
CH-MW019								JS 6/20 0844	BB 6/28	AB/JM 6/28	MM/Y&Y 6/22
CH-MW020									BB 6/26	AB/JM 6/21	MM/Y&Y 6/22
CH-MW021									BB 6/23	JM/MM 6/28	MM/Y&Y 6/22
CH-MW022	AB/MM 5/31	NY811 6/1	TG 6/6	CL/AW 5/31	SG 5/31	MG/Cascade 6/1	MG 6/8	JS 6/20 1611	JS 6/26		MM/Y&Y 6/22
CH-MW023	AB/MM 5/31	NY811 6/1	TG 6/6	CL/AW 5/31	SG 5/31	MG/Cascade 6/1	MG 6/8	MG 6/20 1512	MG 6/26		AB/Y&Y 6/19
CH-MW024	BMG 6/6	NY811 6/1	TG 6/6	CL/AW 5/31	SG 5/31	BMG/Cascade 6/6	MG 6/12	MG 6/19 1341	MG 6/26		MM/Y&Y 6/22
CH-MW025	AB/MM 5/31	NY811 6/1	TG 6/6	CL/AW 5/31	SG 5/31	MG/Cascade 6/1	AB 6/7	JS 6/15 1435	MG 6/22		AB/Y&Y 6/19
CH-MW026	AB/MM 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31		MG 6/5	JS 6/15 1515	MG 6/22		AB/Y&Y 6/19
CH-MW027	AB/MM 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31		MG 6/5	JS 6/18 1135	BB 6/22		AB/Y&Y 6/19
CH-MW028	AB/MM 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31		MG 6/5	JS 6/18 1120	BB 6/22		AB/Y&Y 6/19
CH-MW029	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 6/1	MG/Cascade 6/1	MG 6/6	JS 6/15 1210	JS 6/22		MM/Y&Y 6/22
CH-MW030	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31		AB 6/6	BB 6/20 1634	JS 6/26		AB/Y&Y 6/20
CH-MW031	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 6/1	MG/Cascade 6/1	AB 6/7	JS 6/20 0945	JS 6/23		MM/Y&Y 6/21
CH-MW032	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 6/1	MG/Cascade 6/1	MG 6/6	BB 6/19 1040	JS 6/23		AB/Y&Y 6/20
CH-MW033	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 6/1	MG/Cascade 6/1	MG 6/6	BB 6/16 1234	BB 6/23		AB/Y&Y 6/20
CH-MW034	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 6/1	MG/Cascade 6/1	AB 6/6	BB 6/18 1215	MG 6/23		MM/Y&Y 6/21
CH-MW035	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 6/1	MG/Cascade 6/1	AB 6/6	BB 6/18 1200	MG 6/23		MM/Y&Y 6/21
CH-MW036	AB/MM 6/1	NY811 6/1	TG 6/6	CL/AW 6/1	SG 6/1	AW/Cascade 6/1	MG 6/9	JS 6/15 1658	JS 6/21		MM/Y&Y 6/21
CH-MW037	AB/MM 6/1	NY811 6/1	TG 6/6	CL/AW 6/1	SG 6/1	AW/Cascade 6/1	AB 6/9	BB 6/14 1311	JS 6/22		MM/Y&Y 6/21
CH-MW038	AM 6/6	NY811 6/1	TG 6/5	CL/AW 6/1	SG 5/31	MG/Cascade 6/2	MG 6/7	JS 6/16 1047	BB 6/21		AB/Y&Y 6/19
CH-MW039	AM 6/6	NY811 6/1	TG 6/6	CL/AW 6/1	SG 5/31	BMG/Cascade 6/6	MG 6/7	JS 6/15 1600	JS 6/21		AB/Y&Y 6/19
CH-MW040	AM 6/6	NY811 6/1	TG 6/6	CL/AW 6/1	SG 5/31	BMG/Cascade 6/6	MG 6/12	JS 6/15 1625	BB 6/21		AB/Y&Y 6/20
CH-MW041	AB/MM 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31		AB 6/5	JS 6/14 1605	MG 6/21		AB/Y&Y 6/19
CH-MW042	AB/MM 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31		AB 6/5	JS 6/14 1630	MG 6/21		AB/Y&Y 6/19
CH-MW043	AM 6/1	NY811 6/1	TG 6/6	CL/AW 6/1	SG 6/1		MG 6/6	BB 6/20 1533	BB 6/27		AB/Y&Y 6/19

Notes
Green highlight indicates item completed on the date of today's Daily Report
Orange highlight indicates item in progress on the date of today's Daily Report but not completed

Phase III Field Checklist - Soil Sampling
Camp Hero Remedial Investigation
Montauk, New York

Location ID	Investigation Method	Flagging	Utility Clearance	UXO Anomaly Avoidance	Wetlands Delineation	Rare Plant Survey	Vegetation Clearance	Soil Boring / Soil Sampling	Survey
DU01									
DU01-S001	DP	AB/MM 5/31	NY811 6/1	TG 6/6	CL/AW 5/31	SG 5/31	MG/Cascade 6/2	MG/NS/SC 6/14	MM/Y&Y 6/22
DU01-S002	DP	AB/MM 5/31	NY811 6/1	TG 6/6	CL/AW 5/31	SG 5/31	MG/Cascade 6/2	MG/NS/SC 6/14	MM/Y&Y 6/22
DU01-S003	DP	AB/MM 5/31	NY811 6/1	TG 6/6	CL/AW 5/31	SG 5/31	MG/Cascade 6/2	MG/NS/SC 6/14	MM/Y&Y 6/22
DU01-S004	DP	AB/MM 5/31	NY811 6/1	TG 6/6	CL/AW 5/31	SG 5/31	MG/Cascade 6/2	MG/NS/SC 6/14	MM/Y&Y 6/22
DU01-S005	DP	AB/MM 5/31	NY811 6/1	TG 6/6	CL/AW 5/31	SG 5/31	MG/Cascade 6/2	MG/NS/SC 6/14	MM/Y&Y 6/22
DU01-S006	DP	AB/MM 5/31	NY811 6/1	TG 6/6	CL/AW 5/31	SG 5/31	MG/Cascade 6/2	MG/NS/SC 6/14	MM/Y&Y 6/22
DU01-S007	DP	AB/MM 5/31	NY811 6/1	TG 6/6	CL/AW 5/31	SG 5/31	MG/Cascade 6/2	MG/NS/SC 6/14	MM/Y&Y 6/22
DU01-S008	DP	AB/MM 5/31	NY811 6/1	TG 6/6	CL/AW 5/31	SG 5/31	MG/Cascade 6/2	MG/NS/SC 6/14	MM/Y&Y 6/22
DU01-S009	DP	AB/MM 5/31	NY811 6/1	TG 6/6	CL/AW 5/31	SG 5/31	MG/Cascade 6/2	MG/NS/SC 6/14	MM/Y&Y 6/22
DU01-S010	DP	AB/MM 5/31	NY811 6/1	TG 6/6	CL/AW 5/31	SG 5/31	MG/Cascade 6/2	MG/NS/SC 6/14	MM/Y&Y 6/22
DU01-S011	DP	AB/MM 5/31	NY811 6/1	TG 6/6	CL/AW 5/31	SG 5/31	MG/Cascade 6/2	MG/NS/SC 6/14	MM/Y&Y 6/22
DU01-S012	DP	AB/MM 5/31	NY811 6/1	TG 6/6	CL/AW 5/31	SG 5/31	MG/Cascade 6/2	MG/NS/SC 6/14	MM/Y&Y 6/22
DU01-S013	DP	AB/MM 5/31	NY811 6/1	TG 6/6	CL/AW 5/31	SG 5/31	MG/Cascade 6/2	MG/NS/SC 6/14	MM/Y&Y 6/22
DU01-S014	DP	AB/MM 5/31	NY811 6/1	TG 6/6	CL/AW 5/31	SG 5/31	MG/Cascade 6/2	MG/NS/SC 6/14	MM/Y&Y 6/22
DU01-S015	DP	AB/MM 5/31	NY811 6/1	TG 6/6	CL/AW 5/31	SG 5/31	MG/Cascade 6/2	MG/NS/SC 6/14	MM/Y&Y 6/22
DU01-S016	DP	AB/MM 5/31	NY811 6/1	TG 6/6	CL/AW 5/31	SG 5/31	MG/Cascade 6/2	MG/NS/SC 6/14	MM/Y&Y 6/22
DU02									
DU02-S001	HA	AB/MM 5/31		TG 6/6	CL/AW 5/31			AB/MM/SC 6/16	AB/Y&Y 6/19
DU02-S002	HA	AB/MM 5/31		TG 6/6	CL/AW 5/31			AB/MM/SC 6/16	AB/Y&Y 6/19
DU02-S003	HA	AB/MM 5/31		TG 6/6	CL/AW 5/31			AB/MM/SC 6/16	AB/Y&Y 6/19
DU02-S004	HA	AB/MM 5/31		TG 6/6	CL/AW 5/31			AB/MM/SC 6/16	AB/Y&Y 6/19
DU02-S005	HA	AB/MM 5/31		TG 6/6	CL/AW 5/31			AB/MM/SC 6/16	AB/Y&Y 6/19
DU02-S006	HA	AB/MM 5/31		TG 6/6	CL/AW 5/31			AB/MM/SC 6/16	AB/Y&Y 6/19
DU02-S007	HA	AB/MM 5/31		TG 6/6	CL/AW 5/31			AB/MM/SC 6/16	AB/Y&Y 6/19
DU02-S008	HA	AB/MM 5/31		TG 6/6	CL/AW 5/31			AB/MM/SC 6/16	AB/Y&Y 6/19
DU02-S009	HA	AB/MM 5/31		TG 6/6	CL/AW 5/31			AB/MM/SC 6/16	AB/Y&Y 6/19
DU02-S010	HA	AB/MM 5/31		TG 6/6	CL/AW 5/31			AB/MM/SC 6/16	AB/Y&Y 6/19
DU02-S011	HA	AB/MM 5/31		TG 6/6	CL/AW 5/31			AB/MM/SC 6/16	AB/Y&Y 6/19
DU02-S012	HA	AB/MM 5/31		TG 6/6	CL/AW 5/31			AB/MM/SC 6/16	AB/Y&Y 6/19
DU02-S013	HA	AB/MM 5/31		TG 6/6	CL/AW 5/31			AB/MM/SC 6/16	AB/Y&Y 6/19
DU02-S014	HA	AB/MM 5/31		TG 6/6	CL/AW 5/31			AB/MM/SC 6/16	AB/Y&Y 6/19
DU02-S015	HA	AB/MM 5/31		TG 6/6	CL/AW 5/31			AB/MM/SC 6/16	AB/Y&Y 6/19
DU02-S016	HA	AB/MM 5/31		TG 6/6	CL/AW 5/31			AB/MM/SC 6/16	AB/Y&Y 6/19
DU03									
DU03-S001	HA	AB/MM 5/31	NY811 6/1	TG 6/7	CL/AW 5/31		MG/Cascade 6/2	AB/JM/MM 6/15	MM/Y&Y 6/21
DU03-S002	HA	AB/MM 5/31	NY811 6/1	TG 6/7	CL/AW 5/31		MG/Cascade 6/2	AB/JM/MM 6/15	MM/Y&Y 6/21
DU03-S003	HA	AB/MM 5/31	NY811 6/1	TG 6/7	CL/AW 5/31		MG/Cascade 6/2	AB/JM/MM 6/15	MM/Y&Y 6/21
DU03-S004	HA	AB/MM 5/31	NY811 6/1	TG 6/7	CL/AW 5/31		MG/Cascade 6/2	AB/JM/MM 6/15	MM/Y&Y 6/21
DU03-S005	HA	AB/MM 5/31	NY811 6/1	TG 6/7	CL/AW 5/31		MG/Cascade 6/2	AB/JM/MM 6/15	MM/Y&Y 6/21
DU03-S006	HA	AB/MM 5/31	NY811 6/1	TG 6/7	CL/AW 5/31		MG/Cascade 6/2	AB/JM/MM 6/15	MM/Y&Y 6/21
DU03-S007	HA	AB/MM 5/31	NY811 6/1	TG 6/7	CL/AW 5/31		MG/Cascade 6/2	AB/MM/SC 6/16	MM/Y&Y 6/21
DU03-S008	HA	AB/MM 5/31	NY811 6/1	TG 6/7	CL/AW 5/31		MG/Cascade 6/2	AB/MM/SC 6/16	MM/Y&Y 6/21
DU03-S009	HA	AB/MM 5/31	NY811 6/1	TG 6/7	CL/AW 5/31		MG/Cascade 6/2	AB/JM/MM 6/15	MM/Y&Y 6/21
DU03-S010	HA	AB/MM 5/31	NY811 6/1	TG 6/7	CL/AW 5/31		MG/Cascade 6/2	AB/JM/MM 6/15	MM/Y&Y 6/21
DU03-S011	HA	AB/MM 5/31	NY811 6/1	TG 6/7	CL/AW 5/31		MG/Cascade 6/2	AB/MM/SC 6/16	MM/Y&Y 6/21
DU03-S012	HA	AB/MM 5/31	NY811 6/1	TG 6/7	CL/AW 5/31		MG/Cascade 6/2	AB/MM/SC 6/16	MM/Y&Y 6/21
DU03-S013	HA	AB/MM 5/31	NY811 6/1	TG 6/7	CL/AW 5/31		MG/Cascade 6/2	AB/JM/MM 6/15	MM/Y&Y 6/21
DU03-S014	HA	AB/MM 5/31	NY811 6/1	TG 6/7	CL/AW 5/31		MG/Cascade 6/2	AB/JM/MM 6/15	MM/Y&Y 6/21
DU03-S015	HA	AB/MM 5/31	NY811 6/1	TG 6/7	CL/AW 5/31		MG/Cascade 6/2	AB/JM/MM 6/15	MM/Y&Y 6/21
DU03-S016	HA	AB/MM 5/31	NY811 6/1	TG 6/7	CL/AW 5/31		MG/Cascade 6/2	AB/MM/SC 6/16	MM/Y&Y 6/21

Phase III Field Checklist - Soil Sampling
Camp Hero Remedial Investigation
Montauk, New York

Location ID	Investigation Method	Flagging	Utility Clearance	UXO Anomaly Avoidance	Wetlands Delineation	Rare Plant Survey	Vegetation Clearance	Soil Boring / Soil Sampling	Survey
DU04									
DU04-S001	HA	AB/MM 6/1		TG 6/6	CL/AW 5/31		MG/Cascade 6/2	MG/NS/SC 6/15	AB/Y&Y 6/19
DU04-S002	HA	AB/MM 6/1		TG 6/6	CL/AW 5/31		MG/Cascade 6/2	MG/NS/SC 6/15	AB/Y&Y 6/19
DU04-S003	HA	AB/MM 6/1		TG 6/6	CL/AW 5/31		MG/Cascade 6/2	MG/NS/SC 6/15	AB/Y&Y 6/19
DU04-S004	HA	AB/MM 6/1		TG 6/6	CL/AW 5/31		MG/Cascade 6/2	MG/NS/SC 6/15	AB/Y&Y 6/19
DU04-S005	HA	AB/MM 6/1		TG 6/6	CL/AW 5/31		MG/Cascade 6/2	MG/NS/SC 6/15	AB/Y&Y 6/19
DU04-S006	HA	AB/MM 6/1		TG 6/6	CL/AW 5/31		MG/Cascade 6/2	MG/NS/SC 6/15	AB/Y&Y 6/19
DU04-S007	HA	AB/MM 6/1		TG 6/6	CL/AW 5/31		MG/Cascade 6/2	MG/NS/SC 6/15	AB/Y&Y 6/19
DU04-S008	HA	AB/MM 6/1		TG 6/6	CL/AW 5/31		MG/Cascade 6/2	MG/NS/SC 6/15	AB/Y&Y 6/19
DU04-S009	HA	AB/MM 6/1		TG 6/6	CL/AW 5/31		MG/Cascade 6/2	MG/NS/SC 6/15	AB/Y&Y 6/19
DU04-S010	HA	AB/MM 6/1		TG 6/6	CL/AW 5/31		MG/Cascade 6/2	MG/NS/SC 6/15	AB/Y&Y 6/19
DU04-S011	HA	AB/MM 6/1		TG 6/6	CL/AW 5/31		MG/Cascade 6/2	MG/NS/SC 6/15	AB/Y&Y 6/19
DU04-S012	HA	AB/MM 6/1		TG 6/6	CL/AW 5/31		MG/Cascade 6/2	MG/NS/SC 6/15	AB/Y&Y 6/19
DU04-S013	HA	AB/MM 6/1		TG 6/6	CL/AW 5/31		MG/Cascade 6/2	MG/NS/SC 6/15	AB/Y&Y 6/19
DU04-S014	HA	AB/MM 6/1		TG 6/6	CL/AW 5/31		MG/Cascade 6/2	MG/NS/SC 6/15	AB/Y&Y 6/19
DU04-S015	HA	AB/MM 6/1		TG 6/6	CL/AW 5/31		MG/Cascade 6/2	MG/NS/SC 6/15	AB/Y&Y 6/19
DU04-S016	HA	AB/MM 6/1		TG 6/6	CL/AW 5/31		MG/Cascade 6/2	MG/NS/SC 6/15	AB/Y&Y 6/19
DU05									
DU05-S001	DP	AB/MM 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31	MG/Cascade 6/2	MG/MM/SC 6/13	AB/Y&Y 6/19
DU05-S002	DP	AB/MM 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31	MG/Cascade 6/2	MG/MM/SC 6/13	AB/Y&Y 6/19
DU05-S003	DP	AB/MM 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31	MG/Cascade 6/2	MG/MM/SC 6/13	AB/Y&Y 6/19
DU05-S004	DP	AB/MM 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31	MG/Cascade 6/2	MG/NS/SC 6/12	AB/Y&Y 6/19
DU05-S005	DP	AB/MM 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31	MG/Cascade 6/2	MG/MM/SC 6/13	AB/Y&Y 6/19
DU05-S006	DP	AB/MM 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31	MG/Cascade 6/2	MG/MM/SC 6/13	AB/Y&Y 6/19
DU05-S007	DP	AB/MM 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31	MG/Cascade 6/2	MG/MM/SC 6/13	AB/Y&Y 6/19
DU05-S008	DP	AB/MM 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31	MG/Cascade 6/2	MG/NS/SC 6/12	AB/Y&Y 6/19
DU05-S009	DP	AB/MM 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31	MG/Cascade 6/2	MG/MM/SC 6/13	AB/Y&Y 6/19
DU05-S010	DP	AB/MM 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31	MG/Cascade 6/2	MG/MM/SC 6/13	AB/Y&Y 6/19
DU05-S011	DP	AB/MM 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31	MG/Cascade 6/2	MG/MM/SC 6/13	AB/Y&Y 6/19
DU05-S012	DP	AB/MM 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31	MG/Cascade 6/2	MG/NS/SC 6/12	AB/Y&Y 6/19
DU05-S013	DP	AB/MM 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31	MG/Cascade 6/2	MG/NS/SC 6/12	AB/Y&Y 6/19
DU05-S014	DP	AB/MM 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31	MG/Cascade 6/2	MG/NS/SC 6/12	AB/Y&Y 6/19
DU05-S015	DP	AB/MM 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31	MG/Cascade 6/2	MG/MM/SC 6/13	AB/Y&Y 6/19
DU05-S016	DP	AB/MM 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31	MG/Cascade 6/2	MG/NS/SC 6/12	AB/Y&Y 6/19
DU06									
DU06-S001	DP	AB/MM 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31		AB/JM/MM 6/12	AB/Y&Y 6/19
DU06-S002	DP	AB/MM 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31		AB/JM/MM 6/12	AB/Y&Y 6/19
DU06-S003	DP	AB/MM 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31		AB/JM/MM 6/12	AB/Y&Y 6/19
DU06-S004	DP	AB/MM 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31		AB/JM/MM 6/12	AB/Y&Y 6/19
DU06-S005	DP	AB/MM 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31		AB/JM/MM 6/12	AB/Y&Y 6/19
DU06-S006	DP	AB/MM 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31		AB/JM/MM 6/12	AB/Y&Y 6/19
DU06-S007	DP	AB/MM 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31		AB/JM/MM 6/12	AB/Y&Y 6/19
DU06-S008	DP	AB/MM 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31		AB/JM/MM 6/12	AB/Y&Y 6/19
DU06-S009	DP	AB/MM 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31		AB/JM/MM 6/12	AB/Y&Y 6/19
DU06-S010	DP	AB/MM 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31		AB/JM/MM 6/12	AB/Y&Y 6/19
DU06-S011	DP	AB/MM 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31		AB/JM/MM 6/12	AB/Y&Y 6/19
DU06-S012	DP	AB/MM 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31		AB/JM/MM 6/12	AB/Y&Y 6/19
DU06-S013	DP	AB/MM 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31		AB/JM/MM 6/12	AB/Y&Y 6/19
DU06-S014	DP	AB/MM 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31		AB/JM/MM 6/12	AB/Y&Y 6/19
DU06-S015	DP	AB/MM 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31		AB/JM/MM 6/12	AB/Y&Y 6/19
DU06-S016	DP	AB/MM 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31		AB/JM/MM 6/12	AB/Y&Y 6/19

Phase III Field Checklist - Soil Sampling
Camp Hero Remedial Investigation
Montauk, New York

Location ID	Investigation Method	Flagging	Utility Clearance	UXO Anomaly Avoidance	Wetlands Delineation	Rare Plant Survey	Vegetation Clearance	Soil Boring / Soil Sampling	Survey
DU07									
DU07-S001	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 5/31	MG/Cascade 6/2	AB/MM/JM 6/14	AB/Y&Y 6/20
DU07-S002	HA	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 5/31	MG/Cascade 6/2	AB/JM/MM 6/15	AB/Y&Y 6/20
DU07-S003	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 5/31	MG/Cascade 6/2	AB/MM/JM 6/14	AB/Y&Y 6/20
DU07-S004	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 5/31	MG/Cascade 6/2	AB/MM/JM 6/14	AB/Y&Y 6/20
DU07-S005	HA	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 5/31	MG/Cascade 6/2	AB/JM/MM 6/15	AB/Y&Y 6/20
DU07-S006	HA	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 5/31	MG/Cascade 6/2	AB/JM/MM 6/15	AB/Y&Y 6/20
DU07-S007	HA	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 5/31	MG/Cascade 6/2	AB/JM/MM 6/15	AB/Y&Y 6/20
DU07-S008	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 5/31	MG/Cascade 6/2	AB/MM/JM 6/14	AB/Y&Y 6/20
DU07-S009	HA	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 5/31	MG/Cascade 6/2	AB/JM/MM 6/15	AB/Y&Y 6/20
DU07-S010	HA	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 5/31	MG/Cascade 6/2	AB/JM/MM 6/15	AB/Y&Y 6/20
DU07-S011	HA	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 5/31	MG/Cascade 6/2	AB/JM/MM 6/15	AB/Y&Y 6/20
DU07-S012	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 5/31	MG/Cascade 6/2	AB/MM/JM 6/14	AB/Y&Y 6/20
DU07-S013	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 5/31	MG/Cascade 6/2	AB/MM/JM 6/14	AB/Y&Y 6/20
DU07-S014	HA	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 5/31	MG/Cascade 6/2	AB/JM/MM 6/15	AB/Y&Y 6/20
DU07-S015	HA	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 5/31	MG/Cascade 6/2	AB/JM/MM 6/15	AB/Y&Y 6/20
DU07-S016	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 5/31	MG/Cascade 6/2	AB/MM/JM 6/14	AB/Y&Y 6/20
DU09									
DU09-S001	HA	AB/MM 6/1		TG 6/5	CL/AW 6/1		MG/Cascade 6/1	JM/NS/TG 6/16	MM/Y&Y 6/21
DU09-S002	HA	AB/MM 6/1		TG 6/5	CL/AW 6/1		MG/Cascade 6/1	JM/NS/TG 6/16	MM/Y&Y 6/21
DU09-S003	HA	AB/MM 6/1		TG 6/5	CL/AW 6/1		MG/Cascade 6/1	JM/NS/TG 6/16	MM/Y&Y 6/21
DU09-S004	HA	AB/MM 6/1		TG 6/5	CL/AW 6/1		MG/Cascade 6/1	JM/NS/TG 6/16	MM/Y&Y 6/21
DU09-S005	HA	AB/MM 6/1		TG 6/5	CL/AW 6/1		MG/Cascade 6/1	JM/NS/TG 6/16	MM/Y&Y 6/21
DU09-S006	HA	AB/MM 6/1		TG 6/5	CL/AW 6/1		MG/Cascade 6/1	JM/NS/TG 6/16	MM/Y&Y 6/21
DU09-S007	HA	AB/MM 6/1		TG 6/5	CL/AW 6/1		MG/Cascade 6/1	JM/NS/TG 6/16	MM/Y&Y 6/21
DU09-S008	HA	AB/MM 6/1		TG 6/5	CL/AW 6/1		MG/Cascade 6/1	JM/NS/TG 6/16	MM/Y&Y 6/21
DU09-S009	HA	AB/MM 6/1		TG 6/5	CL/AW 6/1		MG/Cascade 6/1	JM/NS/TG 6/16	MM/Y&Y 6/21
DU09-S010	HA	AB/MM 6/1		TG 6/5	CL/AW 6/1		MG/Cascade 6/1	JM/NS/TG 6/16	MM/Y&Y 6/21
DU09-S011	HA	AB/MM 6/1		TG 6/5	CL/AW 6/1		MG/Cascade 6/1	JM/NS/TG 6/16	MM/Y&Y 6/21
DU09-S012	HA	AB/MM 6/1		TG 6/5	CL/AW 6/1		MG/Cascade 6/1	JM/NS/TG 6/16	MM/Y&Y 6/21
DU09-S013	HA	AB/MM 6/1		TG 6/5	CL/AW 6/1		MG/Cascade 6/1	JM/NS/TG 6/16	MM/Y&Y 6/21
DU09-S014	HA	AB/MM 6/1		TG 6/5	CL/AW 6/1		MG/Cascade 6/1	JM/NS/TG 6/16	MM/Y&Y 6/21
DU09-S015	HA	AB/MM 6/1		TG 6/5	CL/AW 6/1		MG/Cascade 6/1	JM/NS/TG 6/16	MM/Y&Y 6/21
DU09-S016	HA	AB/MM 6/1		TG 6/5	CL/AW 6/1		MG/Cascade 6/1	JM/NS/TG 6/16	MM/Y&Y 6/21
DU10									
DU10-S001	HA	MG/NS 5/31		TG 6/5	CL/AW 6/2		MG/Cascade 6/2	MG/NS/SC 6/15	AB/Y&Y 6/20
DU10-S002	HA	MG/NS 5/31		TG 6/5	CL/AW 6/2		MG/Cascade 6/2	MG/NS/SC 6/15	AB/Y&Y 6/20
DU10-S003	HA	MG/NS 5/31		TG 6/5	CL/AW 6/2		MG/Cascade 6/2	MG/NS/SC 6/15	AB/Y&Y 6/20
DU10-S004	HA	MG/NS 5/31		TG 6/5	CL/AW 6/2		MG/Cascade 6/2	MG/NS/SC 6/15	AB/Y&Y 6/20
DU10-S005	HA	MG/NS 5/31		TG 6/5	CL/AW 6/2		MG/Cascade 6/2	MG/NS/SC 6/15	AB/Y&Y 6/20
DU10-S006	HA	MG/NS 5/31		TG 6/5	CL/AW 6/2		MG/Cascade 6/2	MG/NS/SC 6/15	AB/Y&Y 6/20
DU10-S007	HA	MG/NS 5/31		TG 6/5	CL/AW 6/2		MG/Cascade 6/2	MG/NS/SC 6/15	AB/Y&Y 6/20
DU10-S008	HA	MG/NS 5/31		TG 6/5	CL/AW 6/2		MG/Cascade 6/2	MG/NS/SC 6/15	AB/Y&Y 6/20
DU10-S009	HA	MG/NS 5/31		TG 6/5	CL/AW 6/2		MG/Cascade 6/2	MG/NS/SC 6/15	AB/Y&Y 6/20
DU10-S010	HA	MG/NS 5/31		TG 6/5	CL/AW 6/2		MG/Cascade 6/2	MG/NS/SC 6/15	AB/Y&Y 6/20
DU10-S011	HA	MG/NS 5/31		TG 6/5	CL/AW 6/2		MG/Cascade 6/2	MG/NS/SC 6/15	AB/Y&Y 6/20
DU10-S012	HA	MG/NS 5/31		TG 6/5	CL/AW 6/2		MG/Cascade 6/2	MG/NS/SC 6/15	AB/Y&Y 6/20
DU10-S013	HA	MG/NS 5/31		TG 6/5	CL/AW 6/2		MG/Cascade 6/2	MG/NS/SC 6/15	AB/Y&Y 6/20
DU10-S014	HA	MG/NS 5/31		TG 6/5	CL/AW 6/2		MG/Cascade 6/2	MG/NS/SC 6/15	AB/Y&Y 6/20
DU10-S015	HA	MG/NS 5/31		TG 6/5	CL/AW 6/2		MG/Cascade 6/2	MG/NS/SC 6/15	AB/Y&Y 6/20
DU10-S016	HA	MG/NS 5/31		TG 6/5	CL/AW 6/2		MG/Cascade 6/2	MG/NS/SC 6/15	AB/Y&Y 6/20

Phase III Field Checklist - Soil Sampling
Camp Hero Remedial Investigation
Montauk, New York

Location ID	Investigation Method	Flagging	Utility Clearance	UXO Anomaly Avoidance	Wetlands Delineation	Rare Plant Survey	Vegetation Clearance	Soil Boring / Soil Sampling	Survey
DU11									
DU11-S001	HA	MG/NS 5/31		TG 6/5	CL/AW 6/1	SG 6/1	MG/Cascade 6/2	JM/MM/SC 6/20	AB/Y&Y 6/20
DU11-S002	HA	MG/NS 5/31		TG 6/5	CL/AW 6/1	SG 6/1	MG/Cascade 6/2	JM/MM/SC 6/20	AB/Y&Y 6/20
DU11-S003	HA	MG/NS 5/31		TG 6/5	CL/AW 6/1	SG 6/1	MG/Cascade 6/2	JM/MM/SC 6/20	AB/Y&Y 6/20
DU11-S004	HA	MG/NS 5/31		TG 6/5	CL/AW 6/1	SG 6/1	MG/Cascade 6/2	JM/MM/SC 6/20	AB/Y&Y 6/20
DU11-S005	HA	MG/NS 5/31		TG 6/5	CL/AW 6/1	SG 6/1	MG/Cascade 6/2	JM/MM/SC 6/20	AB/Y&Y 6/20
DU11-S006	HA	MG/NS 5/31		TG 6/5	CL/AW 6/1	SG 6/1	MG/Cascade 6/2	JM/MM/SC 6/20	AB/Y&Y 6/20
DU11-S007	HA	MG/NS 5/31		TG 6/5	CL/AW 6/1	SG 6/1	MG/Cascade 6/2	JM/MM/SC 6/20	AB/Y&Y 6/20
DU11-S008	HA	MG/NS 5/31		TG 6/5	CL/AW 6/1	SG 6/1	MG/Cascade 6/2	JM/MM/SC 6/20	AB/Y&Y 6/20
DU11-S009	HA	MG/NS 5/31		TG 6/5	CL/AW 6/1	SG 6/1	MG/Cascade 6/2	JM/MM/SC 6/20	AB/Y&Y 6/20
DU11-S010	HA	MG/NS 5/31		TG 6/5	CL/AW 6/1	SG 6/1	MG/Cascade 6/2	JM/MM/SC 6/20	AB/Y&Y 6/20
DU11-S011	HA	MG/NS 5/31		TG 6/5	CL/AW 6/1	SG 6/1	MG/Cascade 6/2	JM/MM/SC 6/20	AB/Y&Y 6/20
DU11-S012	HA	MG/NS 5/31		TG 6/5	CL/AW 6/1	SG 6/1	MG/Cascade 6/2	JM/MM/SC 6/20	AB/Y&Y 6/20
DU11-S013	HA	MG/NS 5/31		TG 6/5	CL/AW 6/1	SG 6/1	MG/Cascade 6/2	JM/MM/SC 6/20	AB/Y&Y 6/20
DU11-S014	HA	MG/NS 5/31		TG 6/5	CL/AW 6/1	SG 6/1	MG/Cascade 6/2	JM/MM/SC 6/20	AB/Y&Y 6/20
DU11-S015	HA	MG/NS 5/31		TG 6/5	CL/AW 6/1	SG 6/1	MG/Cascade 6/2	JM/MM/SC 6/20	AB/Y&Y 6/20
DU11-S016	HA	MG/NS 5/31		TG 6/5	CL/AW 6/1	SG 6/1	MG/Cascade 6/2	JM/MM/SC 6/20	AB/Y&Y 6/20
DU12									
DU12-S001	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31	MG/Cascade 6/2	MG/MM/SC 6/13	AB/Y&Y 6/20
DU12-S002	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31	MG/Cascade 6/2	MG/MM/SC 6/13	AB/Y&Y 6/20
DU12-S003	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31	MG/Cascade 6/2	MG/MM/SC 6/13	AB/Y&Y 6/20
DU12-S004	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31	MG/Cascade 6/2	MG/MM/SC 6/13	AB/Y&Y 6/20
DU12-S005	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31	MG/Cascade 6/2	MG/MM/SC 6/13	AB/Y&Y 6/20
DU12-S006	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31	MG/Cascade 6/2	MG/MM/SC 6/13	AB/Y&Y 6/20
DU12-S007	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31	MG/Cascade 6/2	MG/MM/SC 6/13	AB/Y&Y 6/20
DU12-S008	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31	MG/Cascade 6/2	MG/NS/SC 6/14	AB/Y&Y 6/20
DU12-S009	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31	MG/Cascade 6/2	MG/MM/SC 6/13	AB/Y&Y 6/20
DU12-S010	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31	MG/Cascade 6/2	MG/MM/SC 6/13	AB/Y&Y 6/20
DU12-S011	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31	MG/Cascade 6/2	MG/NS/SC 6/14	AB/Y&Y 6/20
DU12-S012	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31	MG/Cascade 6/2	MG/NS/SC 6/14	AB/Y&Y 6/20
DU12-S013	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31	MG/Cascade 6/2	MG/MM/SC 6/13	AB/Y&Y 6/20
DU12-S014	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31	MG/Cascade 6/2	MG/MM/SC 6/13	AB/Y&Y 6/20
DU12-S015	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31	MG/Cascade 6/2	MG/MM/SC 6/13	AB/Y&Y 6/20
DU12-S016	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 5/31	MG/Cascade 6/2	MG/NS/SC 6/14	AB/Y&Y 6/20
DU13									
DU13-S001	HA	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 6/1	MG/Cascade 6/2	JM/MM/SC 6/20	MM/Y&Y 6/21
DU13-S002	HA	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 6/1	MG/Cascade 6/2	JM/MM/SC 6/20	MM/Y&Y 6/21
DU13-S003	HA	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 6/1	MG/Cascade 6/2	JM/MM/SC 6/20	MM/Y&Y 6/21
DU13-S004	HA	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 6/1	MG/Cascade 6/2	JM/MM/SC 6/20	MM/Y&Y 6/21
DU13-S005	HA	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 6/1	MG/Cascade 6/2	JM/MM/SC 6/20	MM/Y&Y 6/21
DU13-S006	HA	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 6/1	MG/Cascade 6/2	JM/MM/SC 6/20	MM/Y&Y 6/21
DU13-S007	HA	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 6/1	MG/Cascade 6/2	JM/MM/SC 6/20	MM/Y&Y 6/21
DU13-S008	HA	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 6/1	MG/Cascade 6/2	JM/MM/SC 6/20	MM/Y&Y 6/21
DU13-S009	HA	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 6/1	MG/Cascade 6/2	JM/MM/SC 6/20	MM/Y&Y 6/21
DU13-S010	HA	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 6/1	MG/Cascade 6/2	JM/MM/SC 6/20	MM/Y&Y 6/21
DU13-S011	HA	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 6/1	MG/Cascade 6/2	JM/MM/SC 6/20	MM/Y&Y 6/21
DU13-S012	HA	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 6/1	MG/Cascade 6/2	JM/MM/SC 6/20	MM/Y&Y 6/21
DU13-S013	HA	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 6/1	MG/Cascade 6/2	JM/MM/SC 6/20	MM/Y&Y 6/21
DU13-S014	HA	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 6/1	MG/Cascade 6/2	JM/MM/SC 6/20	MM/Y&Y 6/21
DU13-S015	HA	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 6/1	MG/Cascade 6/2	JM/MM/SC 6/20	MM/Y&Y 6/21
DU13-S016	HA	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 6/1	MG/Cascade 6/2	JM/MM/SC 6/20	MM/Y&Y 6/21

Phase III Field Checklist - Soil Sampling
Camp Hero Remedial Investigation
Montauk, New York

Location ID	Investigation Method	Flagging	Utility Clearance	UXO Anomaly Avoidance	Wetlands Delineation	Rare Plant Survey	Vegetation Clearance	Soil Boring / Soil Sampling	Survey
DU14									
DU14-S001	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 6/1	MG/Cascade 6/1	AB/MM/JM 6/14	MM/Y&Y 6/21
DU14-S002	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 6/1	MG/Cascade 6/1	AB/MM/JM 6/14	MM/Y&Y 6/21
DU14-S003	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 6/1	MG/Cascade 6/1	AB/MM/JM 6/14	MM/Y&Y 6/21
DU14-S004	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 6/1	MG/Cascade 6/1	AB/MM/JM 6/14	MM/Y&Y 6/21
DU14-S005	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 6/1	MG/Cascade 6/1	AB/MM/JM 6/14	MM/Y&Y 6/21
DU14-S006	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 6/1	MG/Cascade 6/1	AB/MM/JM 6/14	MM/Y&Y 6/21
DU14-S007	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 6/1	MG/Cascade 6/1	AB/JM/TG 6/13	MM/Y&Y 6/21
DU14-S008	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 6/1	MG/Cascade 6/1	AB/JM/TG 6/13	MM/Y&Y 6/21
DU14-S009	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 6/1	MG/Cascade 6/1	AB/MM/JM 6/14	MM/Y&Y 6/21
DU14-S010	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 6/1	MG/Cascade 6/1	AB/JM/TG 6/13	MM/Y&Y 6/21
DU14-S011	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 6/1	MG/Cascade 6/1	AB/AM/NS 6/7	MM/Y&Y 6/21
DU14-S012	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 6/1	MG/Cascade 6/1	AB/JM/TG 6/13	MM/Y&Y 6/21
DU14-S013	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 6/1	MG/Cascade 6/1	AB/MM/JM 6/14	MM/Y&Y 6/21
DU14-S014	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 6/1	MG/Cascade 6/1	AB/JM/TG 6/13	MM/Y&Y 6/21
DU14-S015	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 6/1	MG/Cascade 6/1	AB/JM/TG 6/13	MM/Y&Y 6/21
DU14-S016	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 5/31	SG 6/1	MG/Cascade 6/1	AB/JM/TG 6/13	MM/Y&Y 6/21
DU15									
DU15-S001	HA	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 5/31	MG/Cascade 6/2	MG/NS/SC 6/15	AB/Y&Y 6/20
DU15-S002	HA	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 5/31	MG/Cascade 6/2	MG/NS/SC 6/15	AB/Y&Y 6/20
DU15-S003	HA	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 5/31	MG/Cascade 6/2	MG/NS/SC 6/15	AB/Y&Y 6/20
DU15-S004	HA	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 5/31	MG/Cascade 6/2	MG/NS/SC 6/15	AB/Y&Y 6/20
DU15-S005	HA	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 5/31	MG/Cascade 6/2	MG/NS/SC 6/15	AB/Y&Y 6/20
DU15-S006	HA	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 5/31	MG/Cascade 6/2	MG/NS/SC 6/15	AB/Y&Y 6/20
DU15-S007	HA	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 5/31	MG/Cascade 6/2	MG/NS/SC 6/15	AB/Y&Y 6/20
DU15-S008	HA	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 5/31	MG/Cascade 6/2	MG/NS/SC 6/15	AB/Y&Y 6/20
DU15-S009	HA	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 5/31	MG/Cascade 6/2	MG/NS/SC 6/15	AB/Y&Y 6/20
DU15-S010	HA	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 5/31	MG/Cascade 6/2	MG/NS/SC 6/15	AB/Y&Y 6/20
DU15-S011	HA	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 5/31	MG/Cascade 6/2	MG/NS/SC 6/15	AB/Y&Y 6/20
DU15-S012	HA	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 5/31	MG/Cascade 6/2	MG/NS/SC 6/15	AB/Y&Y 6/20
DU15-S013	HA	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 5/31	MG/Cascade 6/2	MG/NS/SC 6/15	AB/Y&Y 6/20
DU15-S014	HA	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 5/31	MG/Cascade 6/2	MG/NS/SC 6/15	AB/Y&Y 6/20
DU15-S015	HA	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 5/31	MG/Cascade 6/2	MG/NS/SC 6/15	AB/Y&Y 6/20
DU15-S016	HA	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 5/31	MG/Cascade 6/2	MG/NS/SC 6/15	AB/Y&Y 6/20
DU16									
DU16-S001	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 5/31	MG/Cascade 6/2	AB/JM/TG 6/13	AB/Y&Y 6/19
DU16-S002	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 5/31	MG/Cascade 6/2	AB/JM/TG 6/13	AB/Y&Y 6/19
DU16-S003	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 5/31	MG/Cascade 6/2	AB/JM/TG 6/13	AB/Y&Y 6/19
DU16-S004	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 5/31	MG/Cascade 6/2	AB/JM/TG 6/13	AB/Y&Y 6/19
DU16-S005	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 5/31	MG/Cascade 6/2	AB/JM/TG 6/13	AB/Y&Y 6/19
DU16-S006	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 5/31	MG/Cascade 6/2	AB/JM/TG 6/13	AB/Y&Y 6/19
DU16-S007	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 5/31	MG/Cascade 6/2	AB/JM/TG 6/13	AB/Y&Y 6/19
DU16-S008	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 5/31	MG/Cascade 6/2	AB/JM/TG 6/13	AB/Y&Y 6/19
DU16-S009	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 5/31	MG/Cascade 6/2	AB/JM/TG 6/13	AB/Y&Y 6/19
DU16-S010	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 5/31	MG/Cascade 6/2	AB/JM/TG 6/13	AB/Y&Y 6/19
DU16-S011	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 5/31	MG/Cascade 6/2	AB/JM/TG 6/13	AB/Y&Y 6/19
DU16-S012	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 5/31	MG/Cascade 6/2	AB/JM/TG 6/13	AB/Y&Y 6/19
DU16-S013	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 5/31	MG/Cascade 6/2	AB/JM/TG 6/13	AB/Y&Y 6/19
DU16-S014	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 5/31	MG/Cascade 6/2	AB/JM/TG 6/13	AB/Y&Y 6/19
DU16-S015	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 5/31	MG/Cascade 6/2	AB/JM/TG 6/13	AB/Y&Y 6/19
DU16-S016	DP	MG/NS 5/31	NY811 6/1	TG 6/5	CL/AW 6/1	SG 5/31	MG/Cascade 6/2	AB/JM/TG 6/13	AB/Y&Y 6/19

Phase III Field Checklist - Soil Sampling
Camp Hero Remedial Investigation
Montauk, New York

Location ID	Investigation Method	Flagging	Utility Clearance	UXO Anomaly Avoidance	Wetlands Delineation	Rare Plant Survey	Vegetation Clearance	Soil Boring / Soil Sampling	Survey
DU17									
DU17-S001	HA	MG/NS 5/31		TG 6/5	CL/AW 6/1	SG 6/1	MG/Cascade 6/1	JM/MM/SC 6/19	MM/Y&Y 6/22
DU17-S002	HA	MG/NS 5/31		TG 6/5	CL/AW 6/1	SG 6/1	MG/Cascade 6/1	JM/MM/SC 6/19	MM/Y&Y 6/22
DU17-S003	HA	MG/NS 5/31		TG 6/5	CL/AW 6/1	SG 6/1	MG/Cascade 6/1	JM/MM/SC 6/19	MM/Y&Y 6/22
DU17-S004	HA	MG/NS 5/31		TG 6/5	CL/AW 6/1	SG 6/1	MG/Cascade 6/1	JM/MM/SC 6/19	MM/Y&Y 6/22
DU17-S005	HA	MG/NS 5/31		TG 6/5	CL/AW 6/1	SG 6/1	MG/Cascade 6/1	JM/MM/SC 6/19	MM/Y&Y 6/22
DU17-S006	HA	MG/NS 5/31		TG 6/5	CL/AW 6/1	SG 6/1	MG/Cascade 6/1	JM/MM/SC 6/19	MM/Y&Y 6/22
DU17-S007	HA	MG/NS 5/31		TG 6/5	CL/AW 6/1	SG 6/1	MG/Cascade 6/1	JM/MM/SC 6/19	MM/Y&Y 6/22
DU17-S008	HA	MG/NS 5/31		TG 6/5	CL/AW 6/1	SG 6/1	MG/Cascade 6/1	JM/MM/SC 6/19	MM/Y&Y 6/22
DU17-S009	HA	MG/NS 5/31		TG 6/5	CL/AW 6/1	SG 6/1	MG/Cascade 6/1	JM/MM/SC 6/19	MM/Y&Y 6/22
DU17-S010	HA	MG/NS 5/31		TG 6/5	CL/AW 6/1	SG 6/1	MG/Cascade 6/1	JM/MM/SC 6/19	MM/Y&Y 6/22
DU17-S011	HA	MG/NS 5/31		TG 6/5	CL/AW 6/1	SG 6/1	MG/Cascade 6/1	JM/MM/SC 6/19	MM/Y&Y 6/22
DU17-S012	HA	MG/NS 5/31		TG 6/5	CL/AW 6/1	SG 6/1	MG/Cascade 6/1	JM/MM/SC 6/19	MM/Y&Y 6/22
DU17-S013	HA	MG/NS 5/31		TG 6/5	CL/AW 6/1	SG 6/1	MG/Cascade 6/1	JM/MM/SC 6/19	MM/Y&Y 6/22
DU17-S014	HA	MG/NS 5/31		TG 6/5	CL/AW 6/1	SG 6/1	MG/Cascade 6/1	JM/MM/SC 6/19	MM/Y&Y 6/22
DU17-S015	HA	MG/NS 5/31		TG 6/5	CL/AW 6/1	SG 6/1	MG/Cascade 6/1	JM/MM/SC 6/19	MM/Y&Y 6/22
DU17-S016	HA	MG/NS 5/31		TG 6/5	CL/AW 6/1	SG 6/1	MG/Cascade 6/1	JM/MM/SC 6/19	MM/Y&Y 6/22
DU18									
DU18-S001	HA	MG/NS 5/31		TG 6/6	CL/AW 6/1		MG/Cascade 6/2	JM/MM/SC 6/19	AB/Y&Y 6/20
DU18-S002	HA	MG/NS 5/31		TG 6/6	CL/AW 6/1		MG/Cascade 6/2	JM/MM/SC 6/19	AB/Y&Y 6/20
DU18-S003	HA	MG/NS 5/31		TG 6/6	CL/AW 6/1		MG/Cascade 6/2	JM/MM/SC 6/19	AB/Y&Y 6/20
DU18-S004	HA	MG/NS 5/31		TG 6/6	CL/AW 6/1		MG/Cascade 6/2	JM/MM/SC 6/19	AB/Y&Y 6/20
DU18-S005	HA	MG/NS 5/31		TG 6/6	CL/AW 6/1		MG/Cascade 6/2	JM/MM/SC 6/19	AB/Y&Y 6/20
DU18-S006	HA	MG/NS 5/31		TG 6/6	CL/AW 6/1		MG/Cascade 6/2	JM/MM/SC 6/19	AB/Y&Y 6/20
DU18-S007	HA	MG/NS 5/31		TG 6/6	CL/AW 6/1		MG/Cascade 6/2	JM/MM/SC 6/19	AB/Y&Y 6/20
DU18-S008	HA	MG/NS 5/31		TG 6/6	CL/AW 6/1		MG/Cascade 6/2	JM/MM/SC 6/19	AB/Y&Y 6/20
DU18-S009	HA	MG/NS 5/31		TG 6/6	CL/AW 6/1		MG/Cascade 6/2	JM/MM/SC 6/19	AB/Y&Y 6/20
DU18-S010	HA	MG/NS 5/31		TG 6/6	CL/AW 6/1		MG/Cascade 6/2	JM/MM/SC 6/19	AB/Y&Y 6/20
DU18-S011	HA	MG/NS 5/31		TG 6/6	CL/AW 6/1		MG/Cascade 6/2	JM/MM/SC 6/19	AB/Y&Y 6/20
DU18-S012	HA	MG/NS 5/31		TG 6/6	CL/AW 6/1		MG/Cascade 6/2	JM/MM/SC 6/19	AB/Y&Y 6/20
DU18-S013	HA	MG/NS 5/31		TG 6/6	CL/AW 6/1		MG/Cascade 6/2	JM/MM/SC 6/19	AB/Y&Y 6/20
DU18-S014	HA	MG/NS 5/31		TG 6/6	CL/AW 6/1		MG/Cascade 6/2	JM/MM/SC 6/19	AB/Y&Y 6/20
DU18-S015	HA	MG/NS 5/31		TG 6/6	CL/AW 6/1		MG/Cascade 6/2	JM/MM/SC 6/19	AB/Y&Y 6/20
DU18-S016	HA	MG/NS 5/31		TG 6/6	CL/AW 6/1		MG/Cascade 6/2	JM/MM/SC 6/19	AB/Y&Y 6/20

Notes
Green highlight indicates item completed on the date of today's Daily Report
Orange highlight indicates item in progress on the date of today's Daily Report but not completed

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Phase III Field Checklist - Surface Water and Sediment Sampling
Camp Hero Remedial Investigation
Montauk, New York

Location ID	Flagging	Rare Plant Survey	Vegetation Clearance	Surface Water Sampling	Sediment Sampling	Stream Characterization	Land Survey
CH-SWSD001	RM/BB 5/31			RM/AW 6/8	JS/BB/MM 6/8	CAL 6/3	AB/Y&Y 6/20
CH-SWSD002	RM/BB 5/31			RM/AW 6/8	JS/BB/MM 6/8	CAL 6/3	AB/Y&Y 6/20
CH-SWSD003	RM/BB 5/31			RM/AW 6/8	JS/BB/MM 6/8	CAL 6/3	AB/Y&Y 6/20
CH-SWSD004	RM/BB 5/31			RM/AW 6/9	JS/BB/MM 6/9	RM 6/9	MM/Y&Y 6/22
CH-SWSD005	RM/BB 5/31			RM/AW 6/9	JS/BB/MM 6/9	RM 6/9	MM/Y&Y 6/22
CH-SWSD006	RM/BB 5/31			RM/AW 6/9	JS/BB/MM 6/9	RM 6/9	MM/Y&Y 6/22
CH-SWSD007	RM/BB 5/31			RM/AW 6/9	JS/BB/MM 6/9	RM 6/9	MM/Y&Y 6/22
CH-SWSD008	RM/BB 6/1			MG/NS 6/9	JS/BB/MM 6/10	MG/NS 6/9	MM/Y&Y 6/22
CH-SWSD009	RM/BB 6/1			MG/NS 6/9	JS/BB/MM 6/10	MG/NS 6/9	MM/Y&Y 6/22
CH-SWSD010	RM/BB 6/1			MG/NS 6/9	JS/BB/MM 6/10	MG/NS 6/9	MM/Y&Y 6/22
CH-SWSD011	RM/BB 5/31			RM/AB/MG 6/10	JS/BB/MM 6/10	RM 6/10	MM/Y&Y 6/22
CH-SWSD012	RM/BB 5/31			RM/AB/MG 6/10	JS/BB/MM 6/10	RM 6/10	MM/Y&Y 6/22
CH-SWSD013	RM/BB 5/31			RM/AB/MG 6/10	JS/BB/MM 6/10	RM 6/10	MM/Y&Y 6/22
CH-SWSD014	RM/BB 5/31			MG/NS 6/9	JS/BB/MM 6/10	MG/NS 6/9	MM/Y&Y 6/22
CH-SWSD015	RM/BB 5/31			MG/NS 6/9	JS/BB/MM 6/10	MG/NS 6/9	MM/Y&Y 6/22
CH-SWSD016	RM/BB 5/31			RM/AW 6/8	JS/BB/MM 6/8	CAL 6/3	MM/Y&Y 6/21
CH-SWSD017	RM/BB 5/31			RM/AW 6/8	JS/BB/MM 6/8	CAL 6/3	MM/Y&Y 6/21
CH-SWSD018	RM/BB 5/31			RM/AW 6/8	JS/BB/MM 6/8	CAL 6/3	MM/Y&Y 6/21
CH-SWSD019	RM/BB 5/31			RM/AW 6/8	JS/BB/MM 6/8	CAL 6/3	MM/Y&Y 6/21
CH-SWSD020	RM/BB 5/31			RM/AW 6/8	JS/BB/MM 6/8	CAL 6/3	MM/Y&Y 6/21
CH-SWSD021	RM/BB 5/31			RM/AW 6/8	JS/BB/MM 6/8	CAL 6/3	MM/Y&Y 6/21
CH-SWSD022	RM/BB 5/31			RM/AW 6/8	JS/BB/MM 6/8	CAL 6/3	MM/Y&Y 6/21
CH-SWSD023	RM/BB 5/31			RM/AW 6/8	JS/BB/MM 6/8	CAL 6/3	MM/Y&Y 6/21
CH-SWSD024	RM/BB 5/31			RM/AB/MG 6/10	JS/BB/MM 6/10	RM 6/10	MM/Y&Y 6/22
CH-SWSD025	RM/BB 5/31			RM/AB/MG 6/10	JS/BB/MM 6/10	RM 6/10	MM/Y&Y 6/22
CH-SWSD026	RM/BB 5/31			RM/AB/MG 6/10	JS/BB/MM 6/10	RM 6/10	MM/Y&Y 6/22
CH-SWSD027	RM/BB 5/31			RM/AW 6/7	JS/BB/MM 6/7	RM 6/7	MM/Y&Y 6/22
CH-SWSD028	RM/BB 5/31			RM/AW 6/7	JS/BB/MM 6/7	RM 6/7	MM/Y&Y 6/22
CH-SWSD029	RM/BB 5/31			RM/AW 6/7	JS/BB/MM 6/7	RM 6/7	MM/Y&Y 6/22
CH-SWSD030	RM/BB 5/31			RM/AW 6/7	JS/BB/MM 6/7	RM 6/7	MM/Y&Y 6/22
CH-SWSD031	RM/BB 5/31			RM/MM 6/6	JS/BB 6/6	CAL 6/3	AB/Y&Y 6/20
CH-SWSD032	RM/BB 5/31			RM/MM 6/6	JS/BB 6/6	CAL 6/3	AB/Y&Y 6/20
CH-SWSD033	RM/BB 5/31			RM/MM 6/6	JS/BB 6/6	CAL 6/3	AB/Y&Y 6/20
CH-SWSD034	RM/BB 5/31			RM/MM 6/6	JS/BB 6/6	CAL 6/3	AB/Y&Y 6/20
CH-SWSD035	RM/BB 5/31			RM/MM 6/6	JS/BB 6/6	CAL 6/3	AB/Y&Y 6/20
CH-SWSD036	RM/BB 5/31			RM/MM 6/6	JS/BB 6/6	CAL 6/3	AB/Y&Y 6/20
CH-SWSD037	RM/BB 5/31			RM/MM 6/6	JS/BB 6/6	CAL 6/3	AB/Y&Y 6/20
CH-SWSD038	RM/BB 5/31			RM/MM 6/6	JS/BB 6/6	CAL 6/3	AB/Y&Y 6/20
CH-SWSD039	RM/BB 5/31			RM/MM 6/6	JS/BB 6/6	CAL 6/3	AB/Y&Y 6/20
CH-SWSD040	RM/BB 5/31			RM/MM 6/6	JS/BB 6/6	CAL 6/3	AB/Y&Y 6/20
CH-SWSD041	RM/BB 5/31			RM/MM 6/6	JS/BB 6/6	CAL 6/3	AB/Y&Y 6/20
CH-SWSD042	RM/BB 5/31			RM/MM 6/6	JS/BB 6/6	CAL 6/3	AB/Y&Y 6/20
CH-SWSD043	RM/BB 5/31			RM/MM 6/6	JS/BB 6/6	CAL 6/3	AB/Y&Y 6/20
CH-SWSD044	RM/BB 5/31			RM/MM 6/6	JS/BB 6/6	CAL 6/3	AB/Y&Y 6/20
CH-SWSD045	RM/BB 5/31			RM/MM 6/6	JS/BB 6/6	CAL 6/3	AB/Y&Y 6/20
CH-SWSD046	RM/BB 5/31			RM/MM 6/3	JS/MG 6/3	CAL 6/3	MM/Y&Y 6/22
CH-SWSD047	RM/BB 5/31			RM/MM 6/3	JS/MG 6/3	CAL 6/3	MM/Y&Y 6/22
CH-SWSD048	RM/BB 5/31			RM/MM 6/3	JS/MG 6/3	CAL 6/3	MM/Y&Y 6/22
CH-SWSD049	RM/BB 5/31			RM/MM 6/3	JS/MG 6/3	CAL 6/3	MM/Y&Y 6/22
CH-SWSD050	RM/BB 5/31			RM/MM 6/3	JS/MG 6/3	CAL 6/3	MM/Y&Y 6/22
CH-SWSD051	RM/BB 5/31			RM/MM 6/3	JS/MG 6/3	CAL 6/3	MM/Y&Y 6/22
CH-SWSD052	RM/BB 5/31			RM/MM 6/3	JS/MG 6/3	CAL 6/3	MM/Y&Y 6/22
CH-SWSD053	RM/BB 5/31			RM/MM 6/3	JS/MG 6/3	CAL 6/3	MM/Y&Y 6/22
CH-SWSD054	RM/BB 5/31			RM/MM 6/3	JS/MG 6/3	CAL 6/3	MM/Y&Y 6/22
CH-SWSD055	RM/BB 5/31			RM/MM 6/3	JS/MG 6/3	CAL 6/3	MM/Y&Y 6/22
CH-SWSD056	RM/BB 5/31			RM/MM 6/2	JS/BB 6/2	CAL 6/2	AB/Y&Y 6/20
CH-SWSD057	RM/BB 5/31			RM/MM 6/2	JS/BB 6/2	CAL 6/2	AB/Y&Y 6/20
CH-SWSD058	RM/BB 5/31			RM/MM 6/2	JS/BB 6/2	CAL 6/2	AB/Y&Y 6/20
CH-SWSD059	RM/BB 5/31			RM/MM 6/2	JS/BB 6/2	CAL 6/2	AB/Y&Y 6/20
CH-SWSD060	RM/BB 5/31			RM/MM 6/2	JS/BB 6/2	CAL 6/2	AB/Y&Y 6/20
CH-SWSD061	RM/BB 5/31			RM/MM 6/2	JS/BB 6/2	CAL 6/2	AB/Y&Y 6/20
CH-SWSD062	RM/BB 5/31			RM/MM 6/2	JS/BB 6/2	CAL 6/2	AB/Y&Y 6/20
CH-SWSD063	RM/BB 5/31			RM/MM 6/2	JS/BB 6/2	CAL 6/2	AB/Y&Y 6/20
CH-SWSD064	RM/BB 5/31			RM/MM 6/2	JS/BB 6/2	CAL 6/2	AB/Y&Y 6/20
CH-SWSD065	RM/BB 5/31			RM/MM 6/2	JS/BB 6/2	CAL 6/2	AB/Y&Y 6/20
CH-SWSD066	RM/BB 5/31			DRY	JS/BB 6/2	CAL 6/2-6/3	AB/Y&Y 6/20
CH-SWSD067	RM/BB 5/31			RM/MM 6/2	JS/BB 6/2	CAL 6/2-6/3	AB/Y&Y 6/20
CH-SWSD068	RM/BB 5/31			RM/MM 6/2	JS/BB 6/2	CAL 6/2-6/3	AB/Y&Y 6/20
CH-SWSD069	RM/BB 5/31			RM/MM 6/2	JS/BB 6/2	CAL 6/2-6/3	AB/Y&Y 6/20
CH-SWSD070	RM/BB 5/31			DRY	JS/BB 6/2	CAL 6/2-6/3	AB/Y&Y 6/20
CH-SWSD071	RM/BB 5/31			DRY	JS/BB 6/2	CAL 6/2-6/3	AB/Y&Y 6/21
CH-SWSD072	RM/BB 5/31			RM/MM 6/2	JS/BB 6/2	CAL 6/2-6/3	AB/Y&Y 6/22
CH-SWSD073	RM/BB 5/31			RM/MM 6/2	JS/BB 6/2	CAL 6/2-6/3	AB/Y&Y 6/23
CH-SWSD074	RM/BB 5/31			RM/MM 6/2	JS/BB 6/2	CAL 6/2-6/3	AB/Y&Y 6/24
CH-SWSD075	RM/BB 5/31			RM/MM 6/2	JS/BB 6/2	CAL 6/2-6/3	AB/Y&Y 6/25
CH-SWSD076	RM/BB 5/31			RM/MM 6/2	JS/BB 6/2	CAL 6/2-6/3	AB/Y&Y 6/26
CH-SWSD077	RM/BB 5/31			RM/MM 6/2	JS/BB 6/2	CAL 6/2-6/3	AB/Y&Y 6/27
CH-SWSD078	RM/BB 5/31			RM/MM 6/2	JS/BB 6/2	CAL 6/2-6/3	AB/Y&Y 6/28
CH-SWSD079	RM/BB 5/31			DRY	JS/BB 6/2	CAL 6/2-6/3	AB/Y&Y 6/29
CH-SWSD080	AM 5/31			BB/MM 6/5	RA/JS 6/5	CAL 6/3	MM/Y&Y 6/21
CH-SWSD081	AM 5/31			BB/MM 6/5	RA/JS 6/5	CAL 6/3	MM/Y&Y 6/21

Phase III Field Checklist - Surface Water and Sediment Sampling
Camp Hero Remedial Investigation
Montauk, New York

Location ID	Flagging	Rare Plant Survey	Vegetation Clearance	Surface Water Sampling	Sediment Sampling	Stream Characterization	Land Survey
CH-SWSD082	AM 5/31			BB/MM 6/5	RA/JS 6/5	CAL 6/3	MM/Y&Y 6/21
CH-SWSD083	AM 5/31			BB/MM 6/5	RA/JS 6/5	CAL 6/3	MM/Y&Y 6/21
CH-SWSD084	AM 5/31			BB/MM 6/5	RA/JS 6/5	CAL 6/3	MM/Y&Y 6/21
CH-SWSD085	AM 5/31			BB/MM 6/5	RA/JS 6/5	CAL 6/3	MM/Y&Y 6/21
CH-SWSD086	AM 5/31			BB/MM 6/5	RA/JS 6/5	CAL 6/3	MM/Y&Y 6/21
CH-SWSD087	AM 5/31			BB/MM 6/5	RA/JS 6/5	CAL 6/3	MM/Y&Y 6/21
CH-SWSD088	AM 5/31			BB/MM 6/5	RA/JS 6/5	CAL 6/3	MM/Y&Y 6/21
CH-SWSD089	AM 5/31			BB/MM 6/5	RA/JS 6/5	CAL 6/3	MM/Y&Y 6/21
CH-SWSD090	AM 5/31			BB/MM 6/5	RA/JS 6/5	CAL 6/3	MM/Y&Y 6/21
CH-SWSD091	AM 5/31			BB/MM 6/5	RA/JS 6/5	CAL 6/3	MM/Y&Y 6/21
CH-SWSD092	AM 5/31			BB/MM 6/5	RA/JS 6/5	CAL 6/3	MM/Y&Y 6/21
CH-SWSD093	AM 5/31			BB/MM 6/5	RA/JS 6/5	CAL 6/3	MM/Y&Y 6/21
CH-SWSD094	AM 5/31			BB/MM 6/5	RA/JS 6/5	CAL 6/3	MM/Y&Y 6/21
CH-SWSD095	AM 5/31			BB/MM 6/5	RA/JS 6/5	CAL 6/3	MM/Y&Y 6/21
CH-SWSD096	RM/AM 5/31			DRY	JS/MM 6/8	CAL 6/2	AB/Y&Y 6/19
CH-SWSD097	RM/AM 5/31			DRY	JS/MM 6/8	CAL 6/2	AB/Y&Y 6/19
CH-SWSD098	RM/AM 5/31			RM/AW 6/7	JS/MM 6/8	CAL 6/2	AB/Y&Y 6/19
CH-SWSD099	RM/AM 5/31			RM/AW 6/7	JS/BB/MM 6/7	CAL 6/2	AB/Y&Y 6/19
CH-SWSD100	RM/AM 5/31			RM/AW 6/7	JS/BB/MM 6/7	CAL 6/2	AB/Y&Y 6/19
CH-SWSD101	RM/AM 5/31			RM 6/1	RM 6/1	CAL 6/2	AB/Y&Y 6/19
CH-SWSD102	RM/AM 5/31			RM 6/1	RM 6/1	CAL 6/2	AB/Y&Y 6/19
CH-SWSD103	RM/AM 5/31			RM 6/1	RM 6/1	CAL 6/2	AB/Y&Y 6/19
CH-SWSD104	RM/AM 5/31			RM 6/1	RM 6/1	CAL 6/2	AB/Y&Y 6/19
CH-SWSD105	RM/AM 5/31			RM 6/1	RM 6/1	CAL 6/2	AB/Y&Y 6/19
CH-SWSD106	RM/AM 5/31			RM 6/1	RM 6/1	CAL 6/2	AB/Y&Y 6/19
CH-SWSD107	RM/AM 5/31			RM 6/1	RM 6/1	CAL 6/2	AB/Y&Y 6/19
CH-SWSD108	RM/AM 5/31			RM 6/1	RM 6/1	CAL 6/2	AB/Y&Y 6/19
CH-SWSD109	RM/AM 5/31			RM 6/1	RM 6/1	CAL 6/2	AB/Y&Y 6/19
CH-SWSD110	RM/AM 5/31			RM 6/1	RM 6/1	CAL 6/2	AB/Y&Y 6/19
CH-SWSD111	RM/BB 5/31			RM/AB/MG 6/10	JS/BB/MM 6/10	CAL 6/3	AB/Y&Y 6/19
CH-SWSD112	RM/BB 5/31			AB/BB 6/3	JS/MM 6/3	CAL 6/3	MM/Y&Y 6/21
CH-SWSD113	RM/BB 5/31			AB/BB 6/3	JS/MM 6/3	CAL 6/3	MM/Y&Y 6/21
CH-SWSD114	RM/BB 5/31			AB/BB 6/3	JS/MM 6/3	CAL 6/3	MM/Y&Y 6/21
CH-SWSD115	RM/BB 5/31			AB/BB 6/3	RM/JS/BB 6/6	CAL 6/3	MM/Y&Y 6/21
CH-SWSD116	RM/BB 5/31			AB/BB 6/3	JS/MM 6/7	CAL 6/3	MM/Y&Y 6/21
CH-SWSD117	RM/BB 5/31			AB/BB 6/3	JS/MM 6/7	CAL 6/3	MM/Y&Y 6/21
CH-SWSD118	RM/BB 5/31			AB/BB 6/3	JS/MM 6/7	CAL 6/3	MM/Y&Y 6/21
CH-SWSD119	RM/BB 5/31			AB/BB 6/3	RM/JS/BB 6/6	CAL 6/3	MM/Y&Y 6/21
CH-SWSD120	RM/BB 5/31			AB/BB 6/3	RM/JS/BB 6/6	CAL 6/3	MM/Y&Y 6/21
CH-SWSD121	RM/BB 5/31			AB/BB 6/3	RM/JS/BB 6/6	CAL 6/3	MM/Y&Y 6/21
CH-SWSD122	RM/BB 5/31			AB/BB 6/3	RM/JS/BB 6/6	CAL 6/3	MM/Y&Y 6/21
CH-SWSD123	RM/BB 5/31			AB/BB 6/3	RM/JS/BB 6/6	CAL 6/3	MM/Y&Y 6/21
CH-SWSD124	RM/BB 5/31			AB/BB 6/3	RM/JS/BB 6/6	CAL 6/3	MM/Y&Y 6/21
CH-SWSD125	RM/BB 5/31			AB/BB 6/3	RM/JS/BB 6/6	CAL 6/3	MM/Y&Y 6/21
CH-SWSD126	RM/AM 5/31			RM/AW 6/7	JS/BB/MM 6/7	RM 6/7	AB/Y&Y 6/20
CH-SWSD127	RM/AM 5/31			RM/AW 6/7	JS/BB/MM 6/7	RM 6/7	AB/Y&Y 6/20
CH-SWSD128	RM/AM 5/31			RM/AW 6/7	JS/BB/MM 6/7	RM 6/7	AB/Y&Y 6/20
CH-SWSD129	RM/AM 5/31			RM/AW 6/7	JS/BB/MM 6/7	RM 6/7	AB/Y&Y 6/20
CH-SWSD130	RM/AM 5/31			RM/AW 6/7	JS/BB/MM 6/7	RM 6/7	AB/Y&Y 6/20
CH-SWSD131	RM/AM 5/31			RM/AW 6/7	JS/BB/MM 6/7	RM 6/7	AB/Y&Y 6/20
CH-SWSD132	RM/AM 5/31			RM/AW 6/7	JS/BB/MM 6/7	RM 6/7	AB/Y&Y 6/20
CH-SWSD133	RM/AM 5/31			RM/AW 6/7	JS/BB/MM 6/7	RM 6/7	AB/Y&Y 6/20
CH-SWSD134	RM/AM 5/31			RM/AW 6/7	JS/BB/MM 6/7	RM 6/7	AB/Y&Y 6/20
CH-SWSD135	RM/AM 5/31			RM/AW 6/7	JS/BB/MM 6/7	RM 6/7	AB/Y&Y 6/20
CH-SWSD136	RM/AM 5/31			RM/AW 6/7	JS/BB/MM 6/7	RM 6/7	AB/Y&Y 6/20
CH-SWSD137	RM/AM 5/31			RM/AW 6/7	JS/BB/MM 6/7	RM 6/7	AB/Y&Y 6/20
CH-SWSD138	RM/AM 5/31			RM/AW 6/7	JS/BB/MM 6/7	RM 6/7	AB/Y&Y 6/20
CH-SWSD139	RM/AM 5/31			RM/AW 6/7	JS/BB/MM 6/7	RM 6/7	AB/Y&Y 6/20
CH-SWSD140	AM/AW 6/5			RM/AW 6/7	JS/BB/MM 6/7	RM 6/7	AB/Y&Y 6/20
CH-SWSD141	AM/AW 6/5	AW 6/5	AW/Casade 6/5	RM/AW 6/9	JS/BB/MM 6/9	CAL 6/3	MM/Y&Y 6/21
CH-SWSD142	AM/AW 6/5	AW 6/5	AW/Casade 6/5	RM/AW 6/9	JS/BB/MM 6/9	CAL 6/3	MM/Y&Y 6/21
CH-SWSD143	AM/AW 6/5	AW 6/5	AW/Casade 6/5	RM/AW 6/9	JS/BB/MM 6/9	CAL 6/3	MM/Y&Y 6/21
CH-SWSD144	AM/AW 6/5	AW 6/5	AW/Casade 6/5	RM/AW 6/9	JS/BB/MM 6/9	CAL 6/3	MM/Y&Y 6/21
CH-SWSD145	AM/AW 6/5	AW 6/5	AW/Casade 6/5	RM/AW 6/9	JS/BB/MM 6/9	CAL 6/3	MM/Y&Y 6/21
CH-SWSD146	AM/AW 6/5	AW 6/5	AW/Casade 6/5	RM/AW 6/9	JS/BB/MM 6/9	CAL 6/3	MM/Y&Y 6/21
CH-SWSD147	AM/AW 6/5	AW 6/5	AW/Casade 6/5	RM/AW 6/9	JS/BB/MM 6/9	CAL 6/3	MM/Y&Y 6/21
CH-SWSD148	AM/AW 6/5	AW 6/5	AW/Casade 6/5	RM/AW 6/9	JS/BB/MM 6/9	CAL 6/3	MM/Y&Y 6/21
CH-SWSD149	AM/AW 6/5	AW 6/5	AW/Casade 6/5	RM/AW 6/9	JS/BB/MM 6/9	CAL 6/3	MM/Y&Y 6/21
CH-SWSD150	AM/AW 6/5	AW 6/5	AW/Casade 6/5	RM/AW 6/9	JS/BB/MM 6/9	CAL 6/3	MM/Y&Y 6/21
CH-SWSD151	AM/AW 6/5	AW 6/5	AW/Casade 6/5	RM/AW 6/9	JS/BB/MM 6/9	CAL 6/3	MM/Y&Y 6/21
CH-SWSD152	AM/AW 6/5	AW 6/5	AW/Casade 6/5	RM/AW 6/9	JS/BB/MM 6/9	CAL 6/3	MM/Y&Y 6/21
CH-SWSD153	AM/AW 6/5	AW 6/5	AW/Casade 6/5	RM/AW 6/9	JS/BB/MM 6/9	CAL 6/3	MM/Y&Y 6/21
CH-SWSD154	AM/AW 6/5	AW 6/5	AW/Casade 6/5	RM/AW 6/9	JS/BB/MM 6/9	CAL 6/3	MM/Y&Y 6/21
CH-SWSD155	AM/AW 6/5	AW 6/5	AW/Casade 6/5	RM/AW 6/9	JS/BB/MM 6/9	CAL 6/3	MM/Y&Y 6/21

Notes
Green highlight indicates item completed on the date of today's Daily Report
Orange highlight indicates item in progress on the date of today's Daily Report but not completed

Appendix H

Photograph Log

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Photograph 1. Surface water and sediment sample location CH-SWSD001

Photograph 2. Surface water and sediment sample location CH-SWSD002

Photograph 3. Surface water and sediment sample location CH-SWSD003

Photograph 4. Surface water and sediment sample location CH-SWSD004

Photograph 5. Surface water and sediment sample location CH-SWSD005

Photograph 6. Surface water and sediment sample location CH-SWSD006

Photograph 7. Surface water and sediment sample location CH-SWSD007

Photograph 8. Surface water and sediment sample location CH-SWSD008

Photograph 9. Surface water and sediment sample location CH-SWSD009

Photograph 10. Surface water and sediment sample location CH-SWSD010

Photograph 11. Surface water and sediment sample location CH-SWSD011

Photograph 12. Surface water and sediment sample location CH-SWSD012

Photograph 13. Surface water and sediment sample location CH-SWSD013

Photograph 14. Surface water and sediment sample location CH-SWSD014

Photograph 15. Surface water and sediment sample location CH-SWSD015

Photograph 16. Surface water and sediment sample location CH-SWSD016

Photograph 17. Surface water and sediment sample location CH-SWSD017

Photograph 18. Surface water and sediment sample location CH-SWSD018

Photograph 19. Surface water and sediment sample location CH-SWSD019

Photograph 20. Surface water and sediment sample location CH-SWSD020

Photograph 21. Surface water and sediment sample location CH-SWSD021

Photograph 22. Surface water and sediment sample location CH-SWSD022

Photograph 23. Surface water and sediment sample location CH-SWSD023

Photograph 24. Surface water and sediment sample location CH-SWSD024

Photograph 25. Surface water and sediment sample location CH-SWSD025

Photograph 26. Surface water and sediment sample location CH-SWSD026

Photograph 27. Surface water and sediment sample location CH-SWSD027

Photograph 28. Surface water and sediment sample location CH-SWSD028

Photograph 29. Surface water and sediment sample location CH-SWSD029

Photograph 30. Surface water and sediment sample location CH-SWSD030

Photograph 31. Surface water and sediment sample location CH-SWSD031

Photograph 32. Surface water and sediment sample location CH-SWSD032

Photograph 33. Surface water and sediment sample location CH-SWSD033

Photograph 34. Surface water and sediment sample location CH-SWSD034

Photograph 35. Surface water and sediment sample location CH-SWSD035

Photograph 36. Surface water and sediment sample location CH-SWSD036

Photograph 37. Surface water and sediment sample location CH-SWSD037

Photograph 38. Surface water and sediment sample location CH-SWSD038

Photograph 39. Surface water and sediment sample location CH-SWSD039

Photograph 40. Surface water and sediment sample location CH-SWSD040

Photograph 41. Surface water and sediment sample location CH-SWSD041

Photograph 42. Surface water and sediment sample location CH-SWSD042

Photograph 43. Surface water and sediment sample location CH-SWSD043

Photograph 44. Surface water and sediment sample location CH-SWSD044

Photograph 45. Surface water and sediment sample location CH-SWSD045

Photograph 46. Surface water and sediment sample location CH-SWSD046

Photograph 47. Surface water and sediment sample location CH-SWSD047

Photograph 48. Surface water and sediment sample location CH-SWSD048

Photograph 49. Surface water and sediment sample location CH-SWSD049

Photograph 50. Surface water and sediment sample location CH-SWSD050

Photograph 51. Surface water and sediment sample location CH-SWSD051

Photograph 52. Surface water and sediment sample location CH-SWSD052

Photograph 53. Surface water and sediment sample location CH-SWSD053

Photograph 54. Surface water and sediment sample location CH-SWSD054

Photograph 55. Surface water and sediment sample location CH-SWSD055

Photograph 56. Surface water and sediment sample location CH-SWSD056

Photograph 57. Surface water and sediment sample location CH-SWSD057

Photograph 58. Surface water and sediment sample location CH-SWSD058

Photograph 59. Surface water and sediment sample location CH-SWSD059

Photograph 60. Surface water and sediment sample location CH-SWSD060

Photograph 61. Surface water and sediment sample location CH-SWSD061

Photograph 62. Surface water and sediment sample location CH-SWSD062

Photograph 63. Surface water and sediment sample location CH-SWSD063

Photograph 64. Surface water and sediment sample location CH-SWSD064

Photograph 65. Surface water and sediment sample location CH-SWSD065

Photograph 66. Surface water and sediment sample location CH-SWSD066

Photograph 67. Surface water and sediment sample location CH-SWSD067

Photograph 68. Surface water and sediment sample location CH-SWSD068

Photograph 69. Surface water and sediment sample location CH-SWSD069

Photograph 70. Surface water and sediment sample location CH-SWSD070

Photograph 71. Surface water and sediment sample location CH-SWSD071

Photograph 72. Surface water and sediment sample location CH-SWSD072

Photograph 73. Surface water and sediment sample location CH-SWSD073

Photograph 74. Surface water and sediment sample location CH-SWSD074

Photograph 75. Surface water and sediment sample location CH-SWSD075

Photograph 76. Surface water and sediment sample location CH-SWSD076

Photograph 77. Surface water and sediment sample location CH-SWSD077

Photograph 78. Surface water and sediment sample location CH-SWSD078

Photograph 79. Surface water and sediment sample location CH-SWSD079

Photograph 80. Surface water and sediment sample location CH-SWSD080

Photograph 81. Surface water and sediment sample location CH-SWSD081

Photograph 82. Surface water and sediment sample location CH-SWSD082

Photograph 83. Surface water and sediment sample location CH-SWSD083

Photograph 84. Surface water and sediment sample location CH-SWSD084

Photograph 85. Surface water and sediment sample location CH-SWSD085

Photograph 86. Surface water and sediment sample location CH-SWSD086

Photograph 87. Surface water and sediment sample location CH-SWSD087

Photograph 88. Surface water and sediment sample location CH-SWSD088

Photograph 89. Surface water and sediment sample location CH-SWSD089

Photograph . Surface water and sediment sample location CH-SWSD090

Photograph 91. Surface water and sediment sample location CH-SWSD091

Photograph 92. Surface water and sediment sample location CH-SWSD092

Photograph 93. Surface water and sediment sample location CH-SWSD093

Photograph 94. Surface water and sediment sample location CH-SWSD094

Photograph 95. Surface water and sediment sample location CH-SWSD095

Photograph 96. Surface water and sediment sample location CH-SWSD096

Photograph 97. Surface water and sediment sample location CH-SWSD097

Photograph 98. Surface water and sediment sample location CH-SWSD098

Photograph 99. Surface water and sediment sample location CH-SWSD099

Photograph 100. Surface water and sediment sample location CH-SWSD100

Photograph 101. Surface water and sediment sample location CH-SWSD101

Photograph 102. Surface water and sediment sample location CH-SWSD102

Photograph 103. Surface water and sediment sample location CH-SWSD103

Photograph 104. Surface water and sediment sample location CH-SWSD104

Photograph 105. Surface water and sediment sample location CH-SWSD105

Photograph 106. Surface water and sediment sample location CH-SWSD106

Photograph 107. Surface water and sediment sample location CH-SWSD107

Photograph 108. Surface water and sediment sample location CH-SWSD108

Photograph 109. Surface water and sediment sample location CH-SWSD109

Photograph 110. Surface water and sediment sample location CH-SWSD110

Photograph 111. Surface water and sediment sample location CH-SWSD112

Photograph 112. Surface water and sediment sample location CH-SWSD113

Photograph 113. Surface water and sediment sample location CH-SWSD114

Photograph 114. Surface water and sediment sample location CH-SWSD115

Photograph 115. Surface water and sediment sample location CH-SWSD116

Photograph 116. Surface water and sediment sample location CH-SWSD117

Photograph 117. Surface water and sediment sample location CH-SWSD118

Photograph 118. Surface water and sediment sample location CH-SWSD119

Photograph 119. Surface water and sediment sample location CH-SWSD120

Photograph 120. Surface water and sediment sample location CH-SWSD121

Photograph 121. Surface water and sediment sample location CH-SWSD122

Photograph 122. Surface water and sediment sample location CH-SWSD123

Photograph 123. Surface water and sediment sample location CH-SWSD124

Photograph 124. Surface water and sediment sample location CH-SWSD125

Photograph 125. Surface water and sediment sample location CH-SWSD126

Photograph 126. Surface water and sediment sample location CH-SWSD127

Photograph 127. Surface water and sediment sample location CH-SWSD128

Photograph 128. Surface water and sediment sample location CH-SWSD129

Photograph 129. Surface water and sediment sample location CH-SWSD130

Photograph 130. Surface water and sediment sample location CH-SWSD131

Photograph 131. Surface water and sediment sample location CH-SWSD132

Photograph 132. Surface water and sediment sample location CH-SWSD133

Photograph 133. Surface water and sediment sample location CH-SWSD134

Photograph 134. Surface water and sediment sample location CH-SWSD135

Photograph 135. Surface water and sediment sample location CH-SWSD136

Photograph 136. Surface water and sediment sample location CH-SWSD137

Photograph 137. Surface water and sediment sample location CH-SWSD138

Photograph 138. Surface water and sediment sample location CH-SWSD139

Photograph 139. Surface water and sediment sample location CH-SWSD140

Photograph 140. Surface water and sediment sample location CH-SWSD141

Photograph 141. Surface water and sediment sample location CH-SWSD142

Photograph 142. Surface water and sediment sample location CH-SWSD143

Photograph 143. Surface water and sediment sample location CH-SWSD145

Photograph 144. Surface water and sediment sample location CH-SWSD147

Photograph 145. Surface water and sediment sample location CH-SWSD148

Photograph 146. Surface water and sediment sample location CH-SWSD149

Photograph 147. Surface water and sediment sample location CH-SWSD150

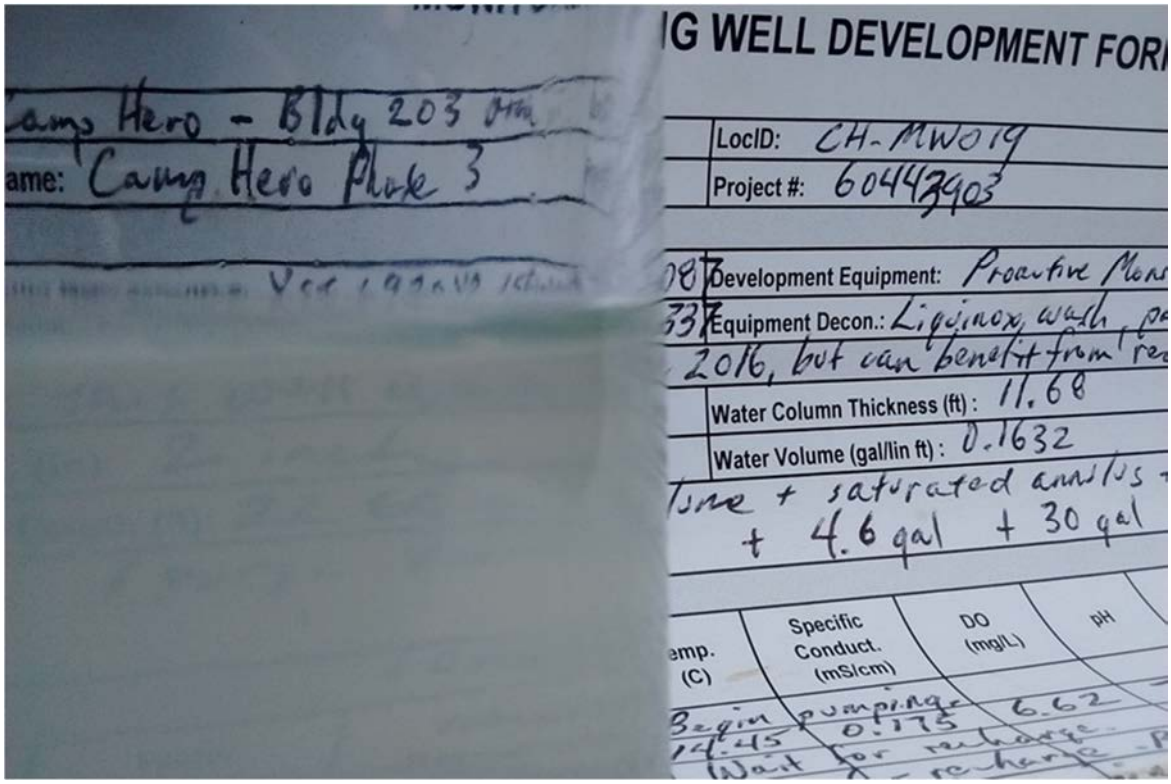
Photograph 148. Surface water and sediment sample location CH-SWSD151

Photograph 149. Surface water and sediment sample location CH-SWSD152

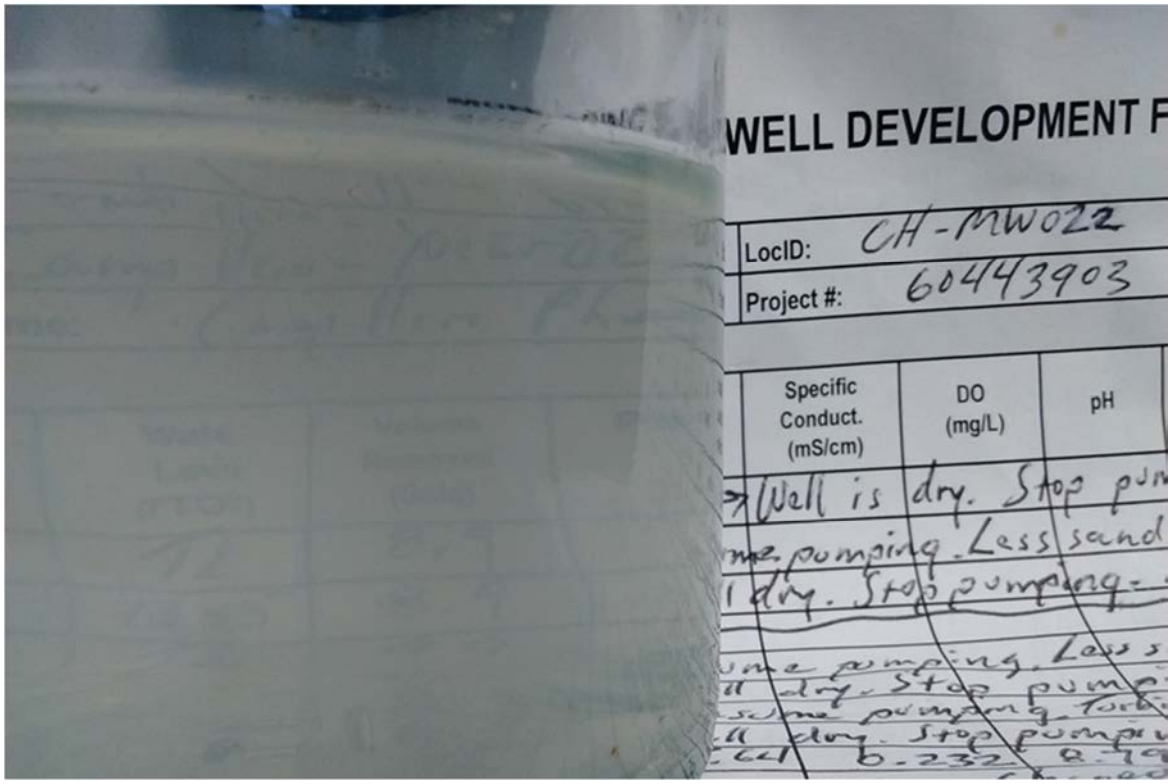
Photograph 150. Surface water and sediment sample location CH-SWSD153

Photograph 151. Surface water and sediment sample location CH-SWSD154

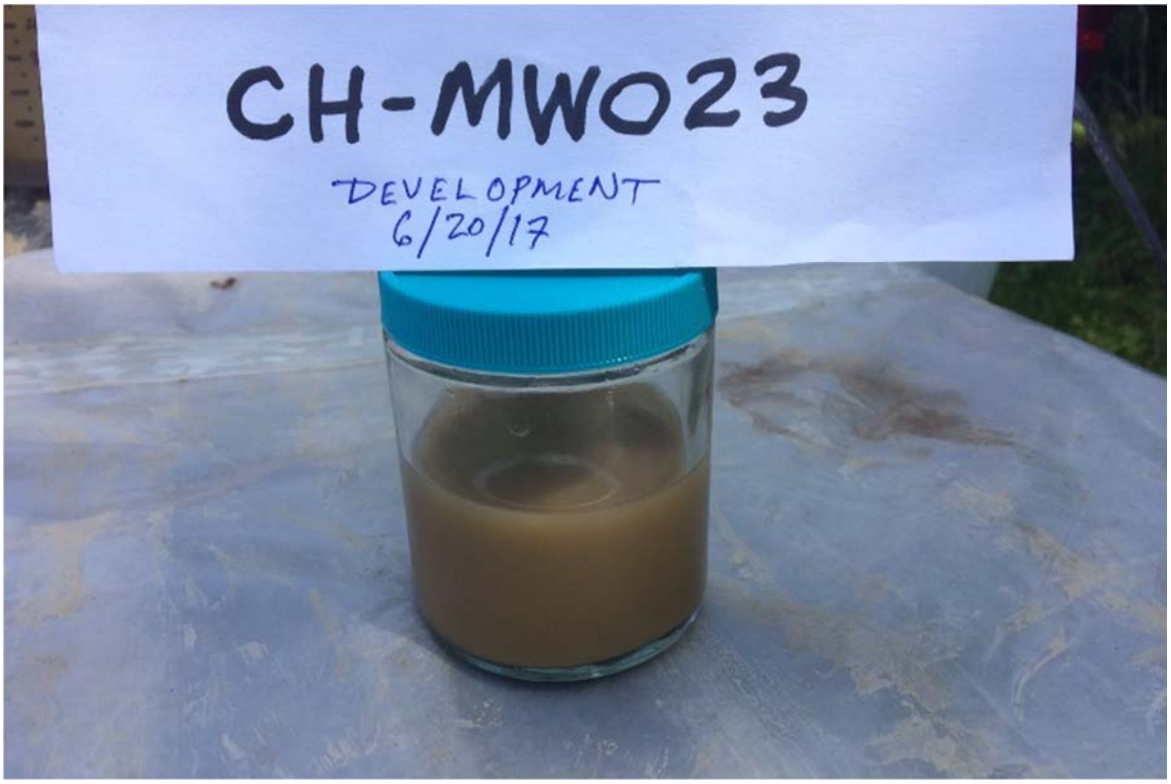
Photograph 152. Surface water and sediment sample location CH-SWSD155



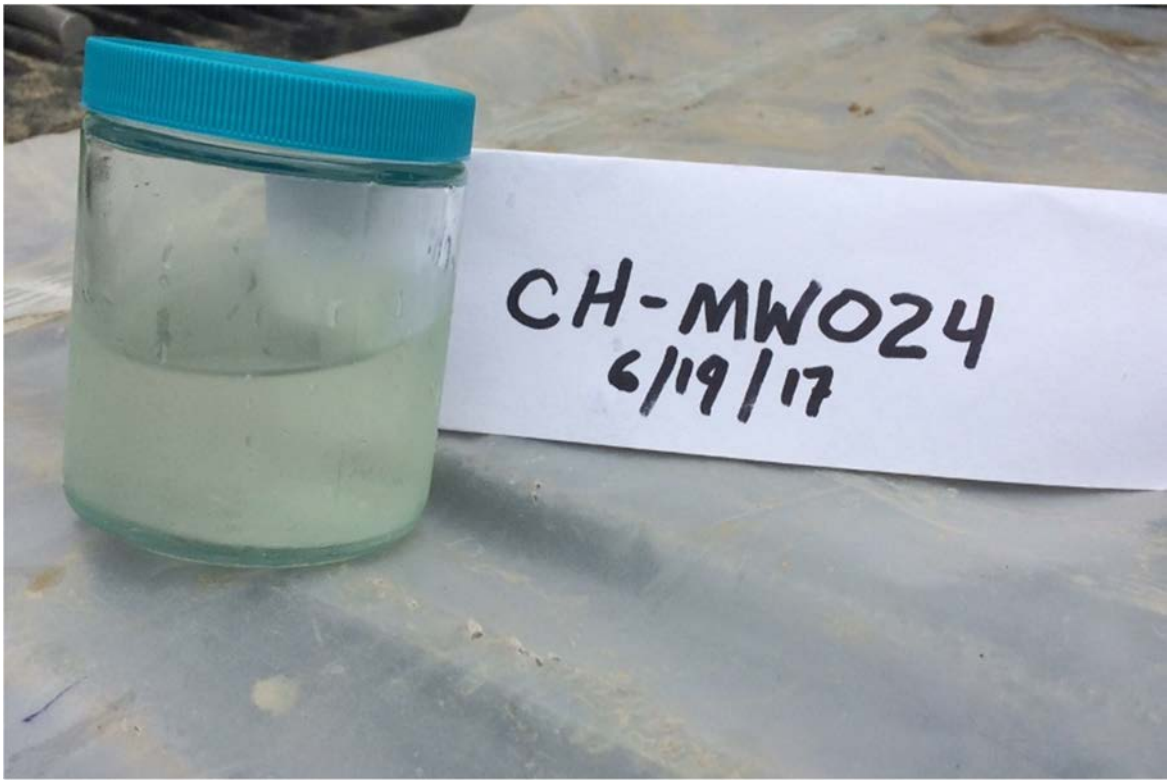
Photograph 153. Groundwater from CH-MW019 after well development



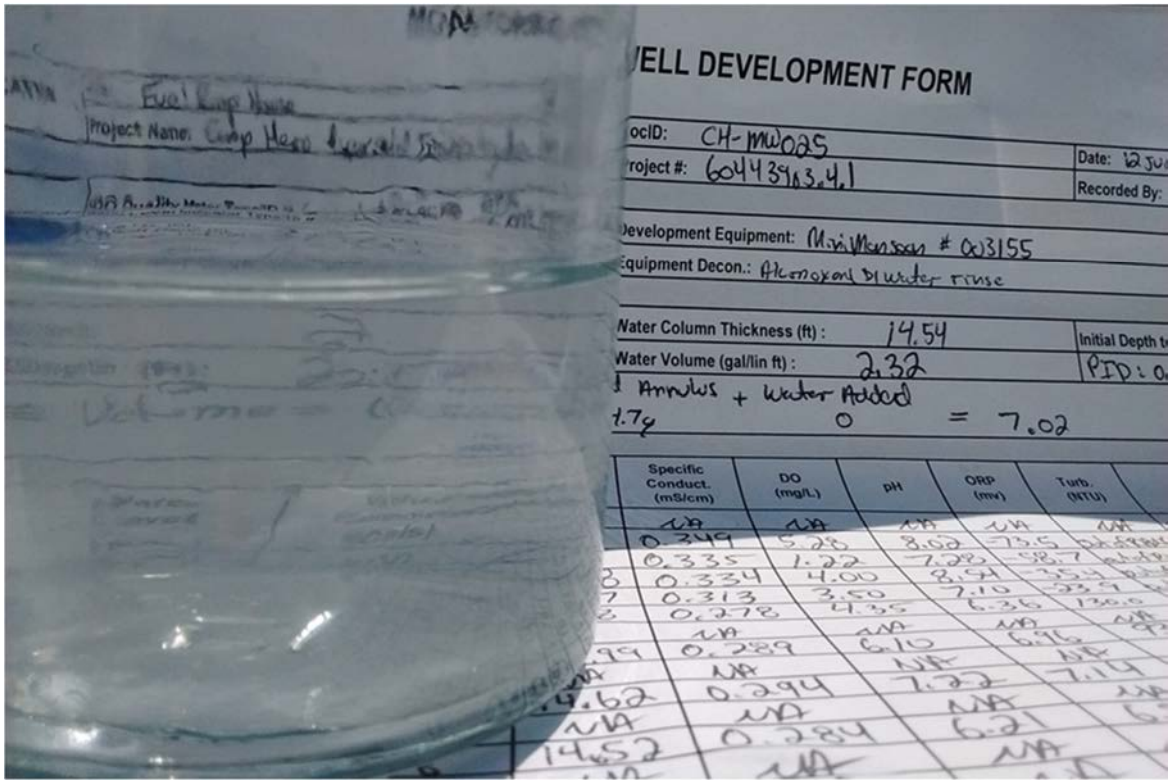
Photograph 154. Groundwater from CH-MW022 after well development



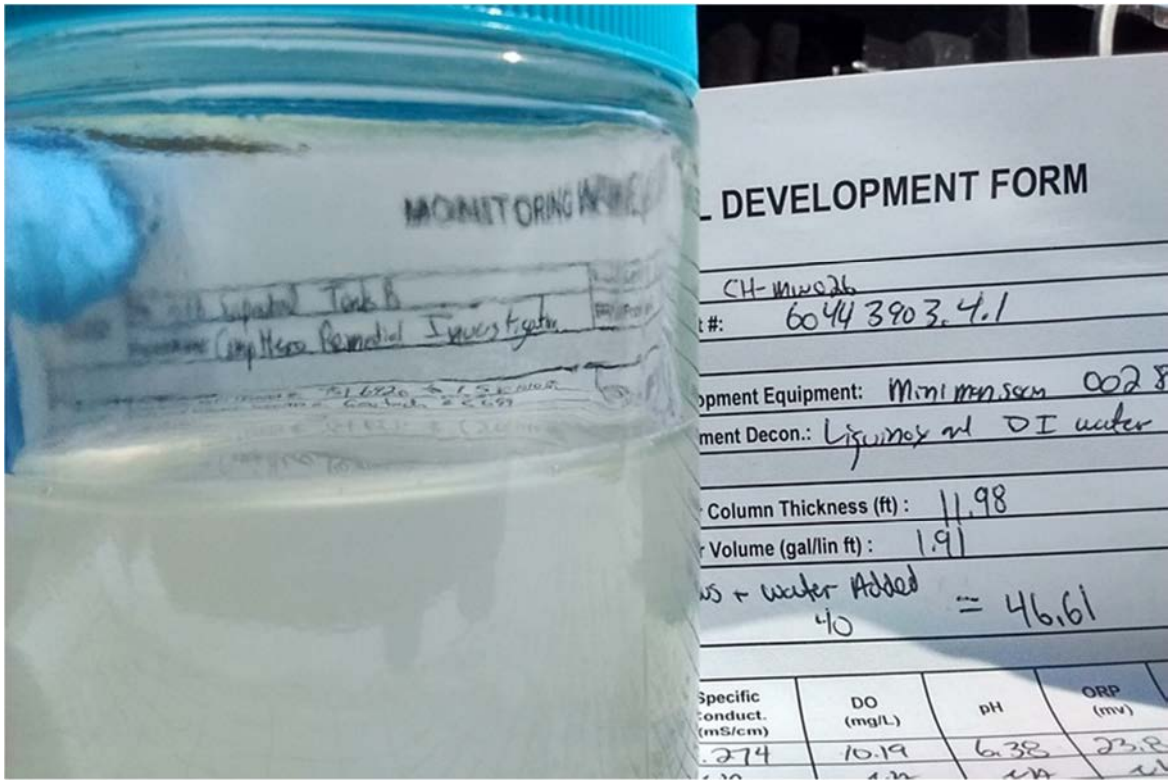
Photograph 155. Groundwater from CH-MW023 after well development



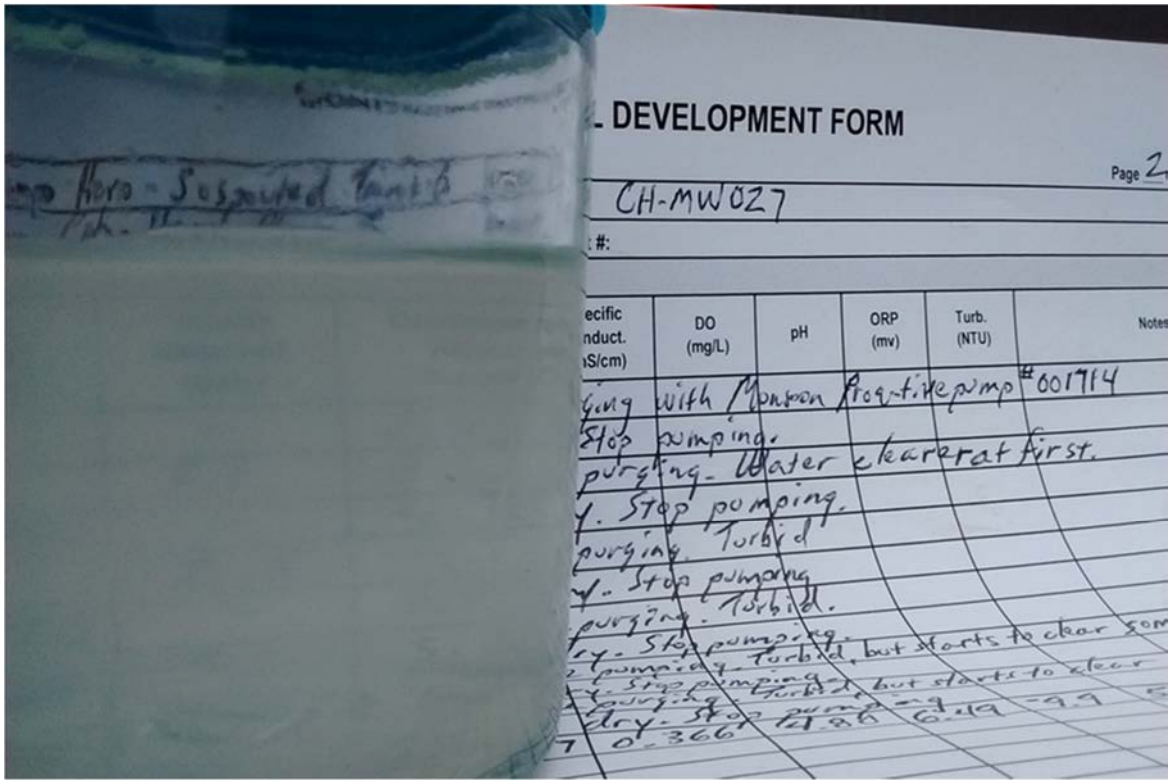
Photograph . Groundwater from CH-MW024 after well development

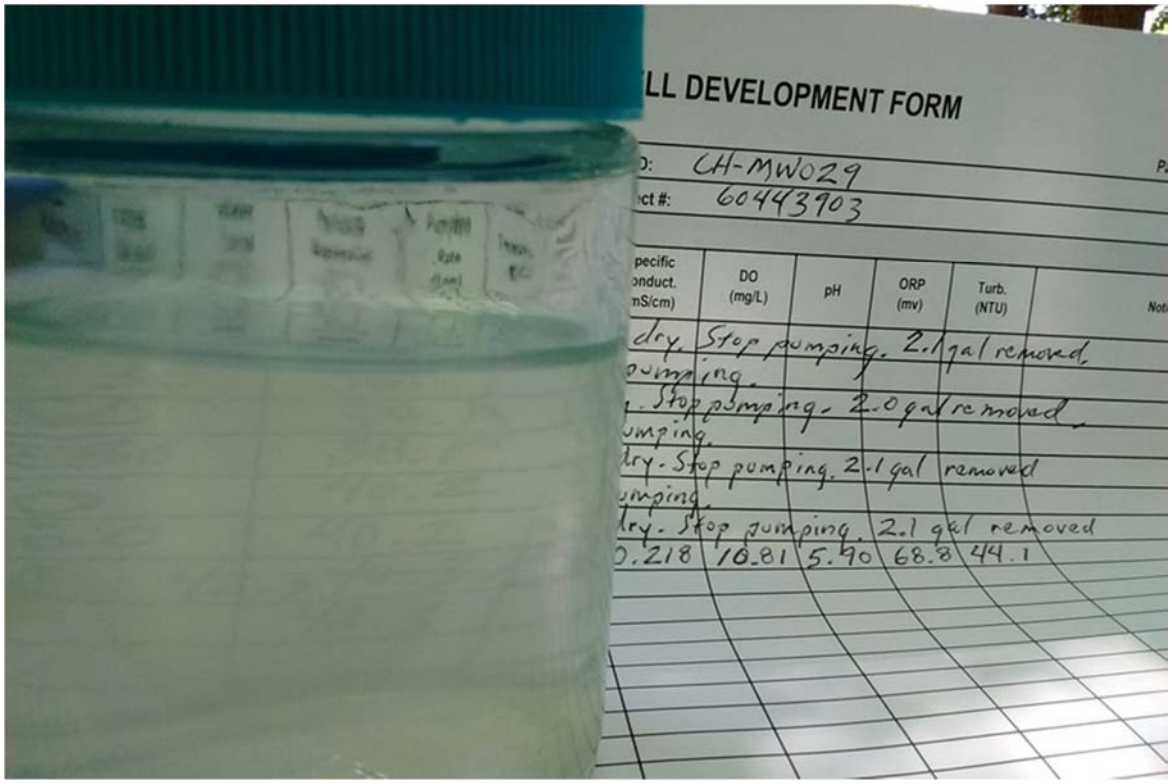


Photograph 157. Groundwater from CH-MW025 after well development

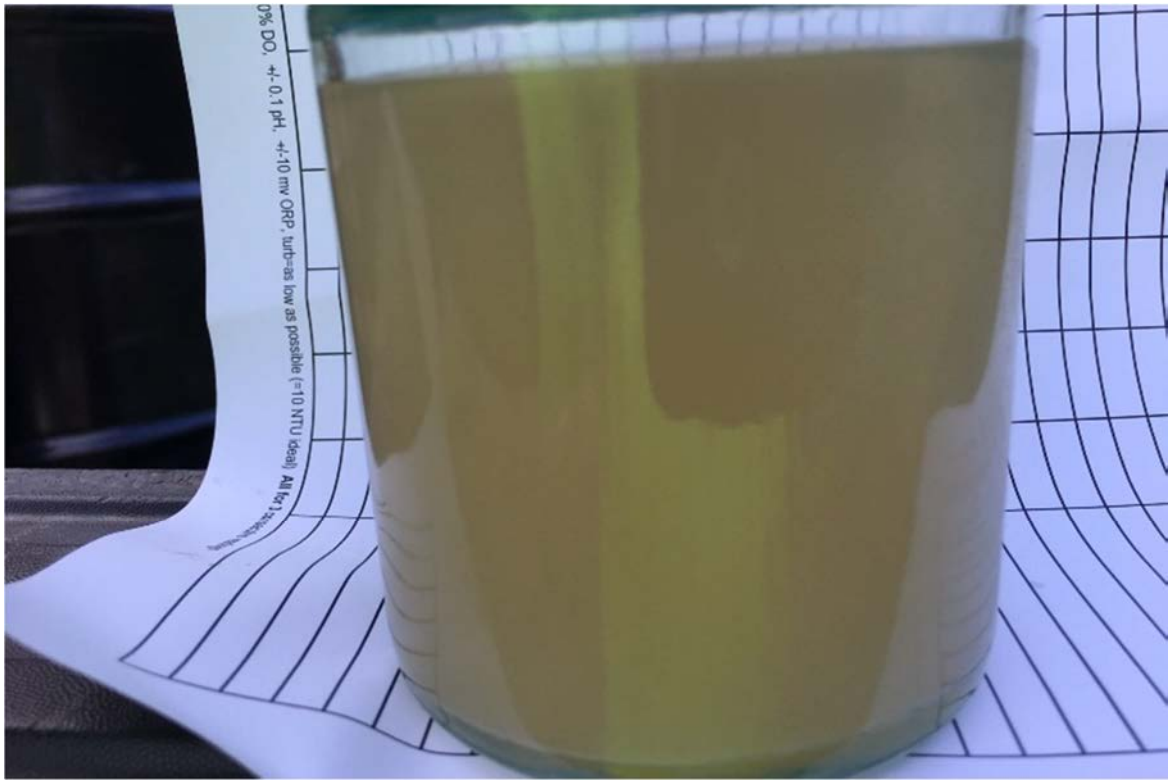


Photograph 158. Groundwater from CH-MW026 after well development

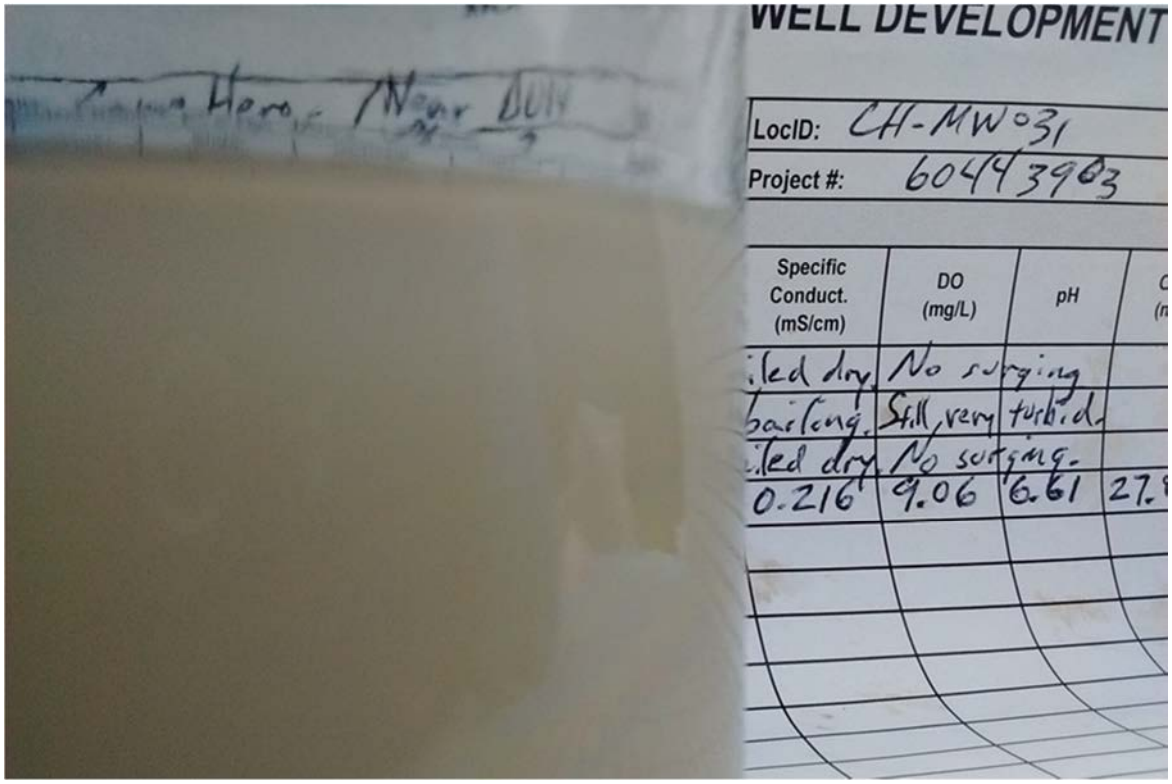

DEVELOPMENT FORM
CH-MW027
Page 2
DO (mg/L)
pH
ORP (mv)
Turb. (NTU)
Notes
Stop pumping.
Stop pumping
Stop pumping
Stop pumping



Photograph 161. Groundwater from CH-MW029 after well development

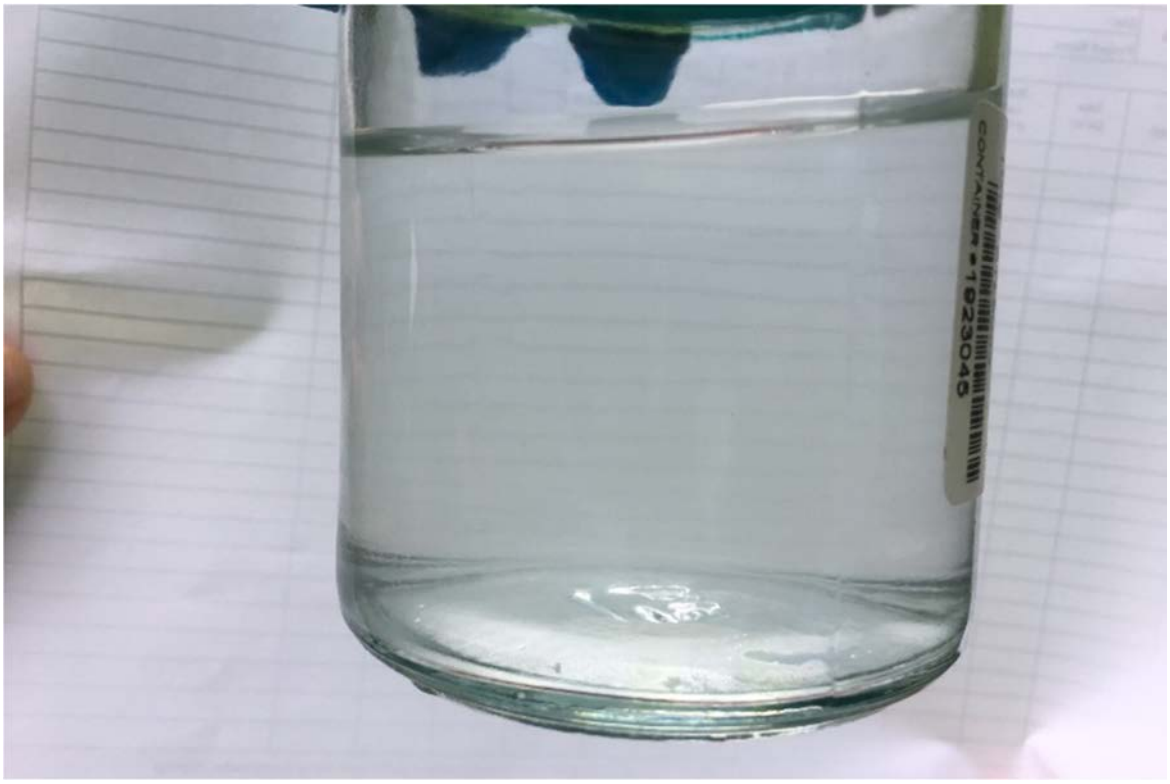


Photograph 162. Groundwater from CH-MW030 after well development

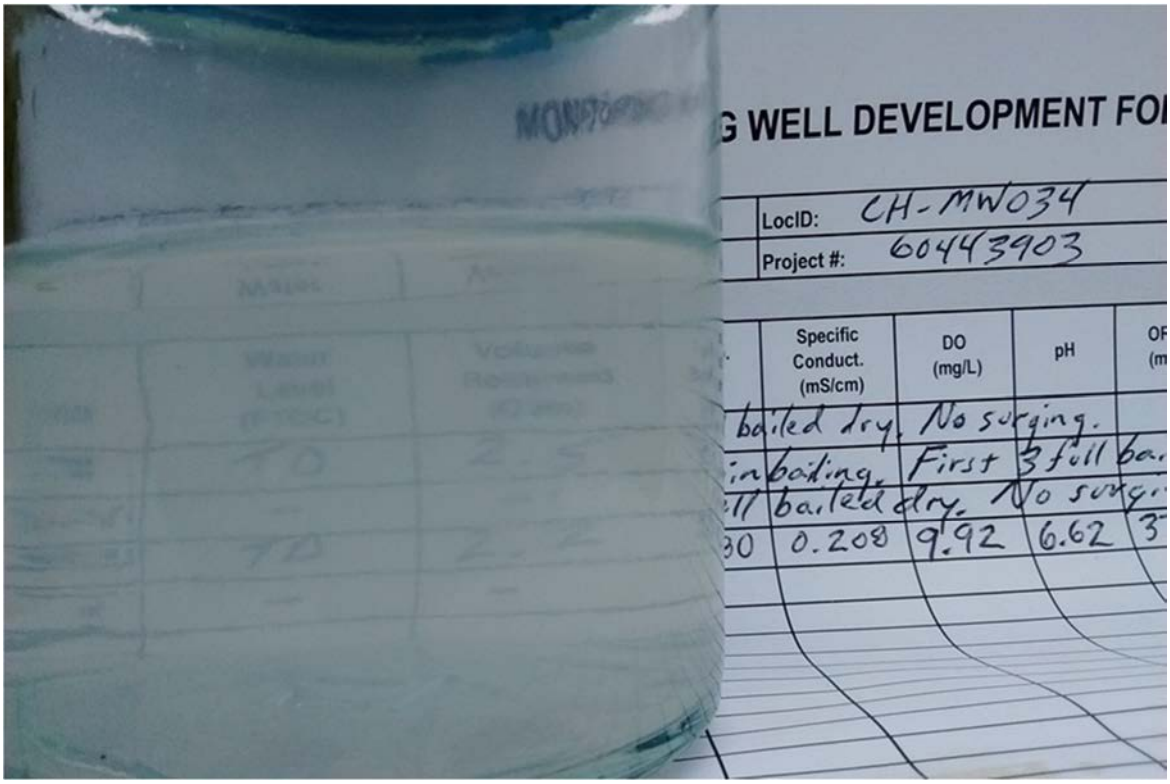


Photograph 163. Groundwater from CH-MW031 after well development

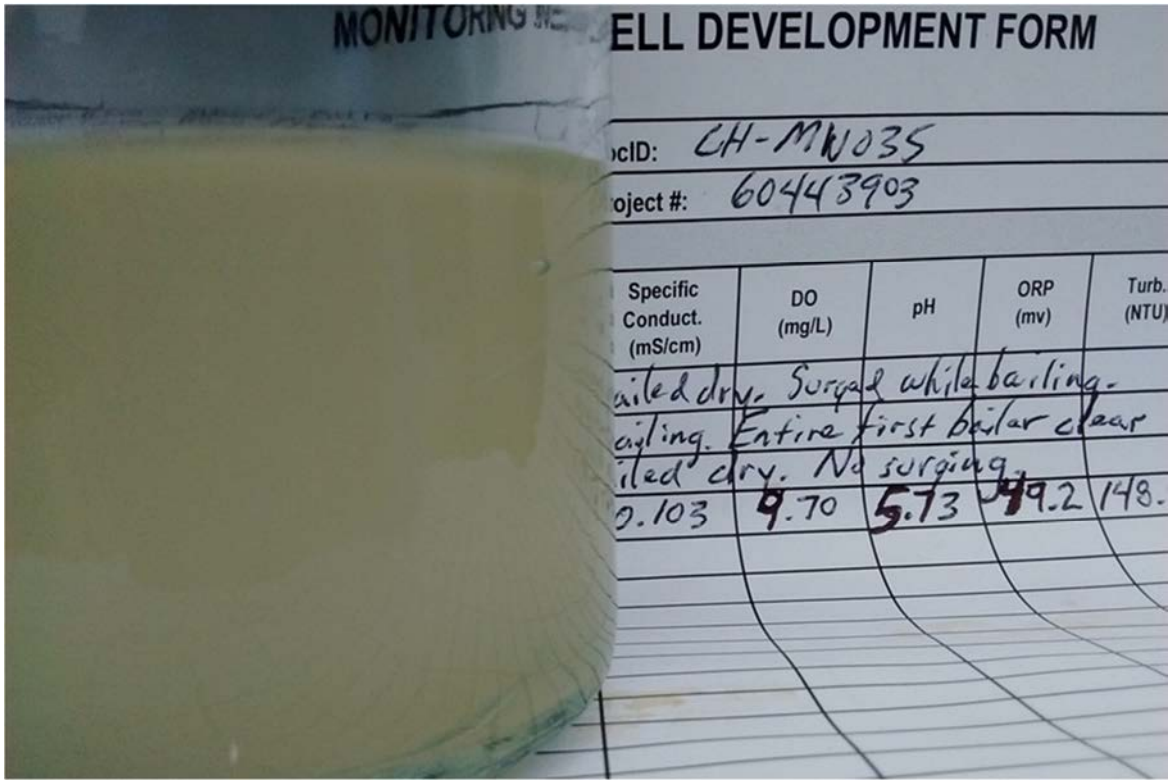
Photograph 164. Groundwater from CH-MW032 after well development



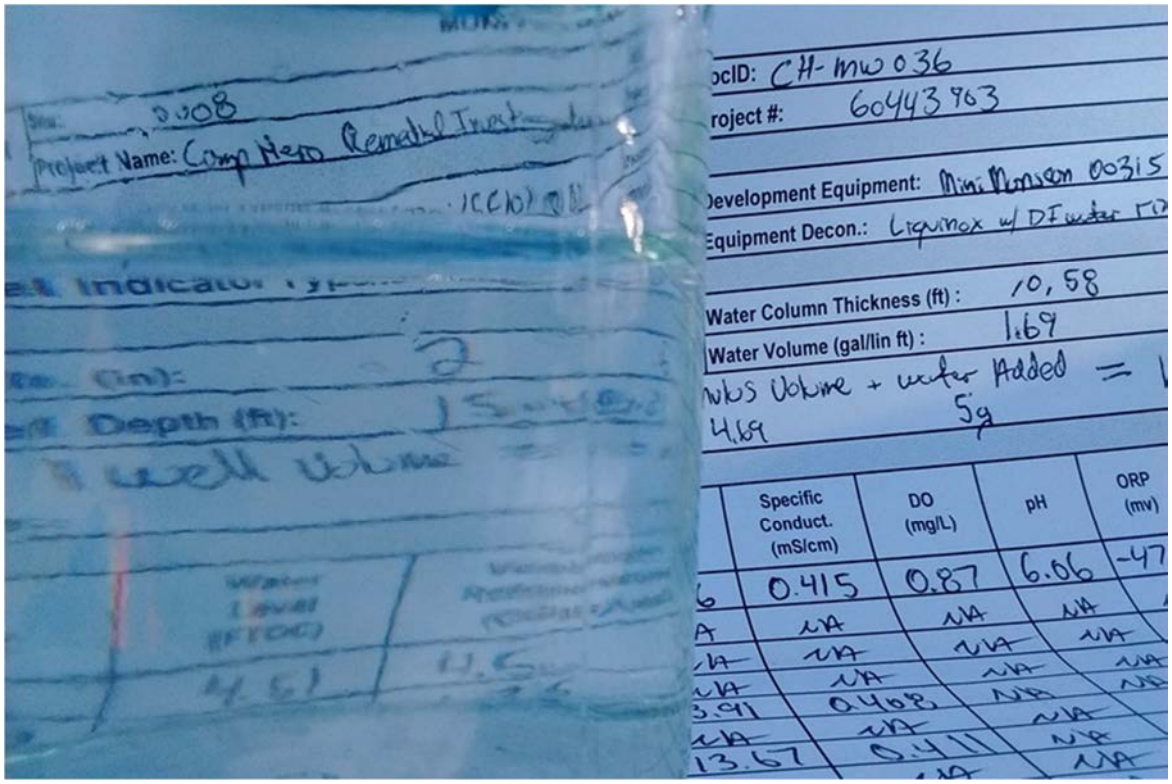
Photograph 165. Groundwater from CH-MW033 after well development



Photograph 166. Groundwater from CH-MW034 after well development

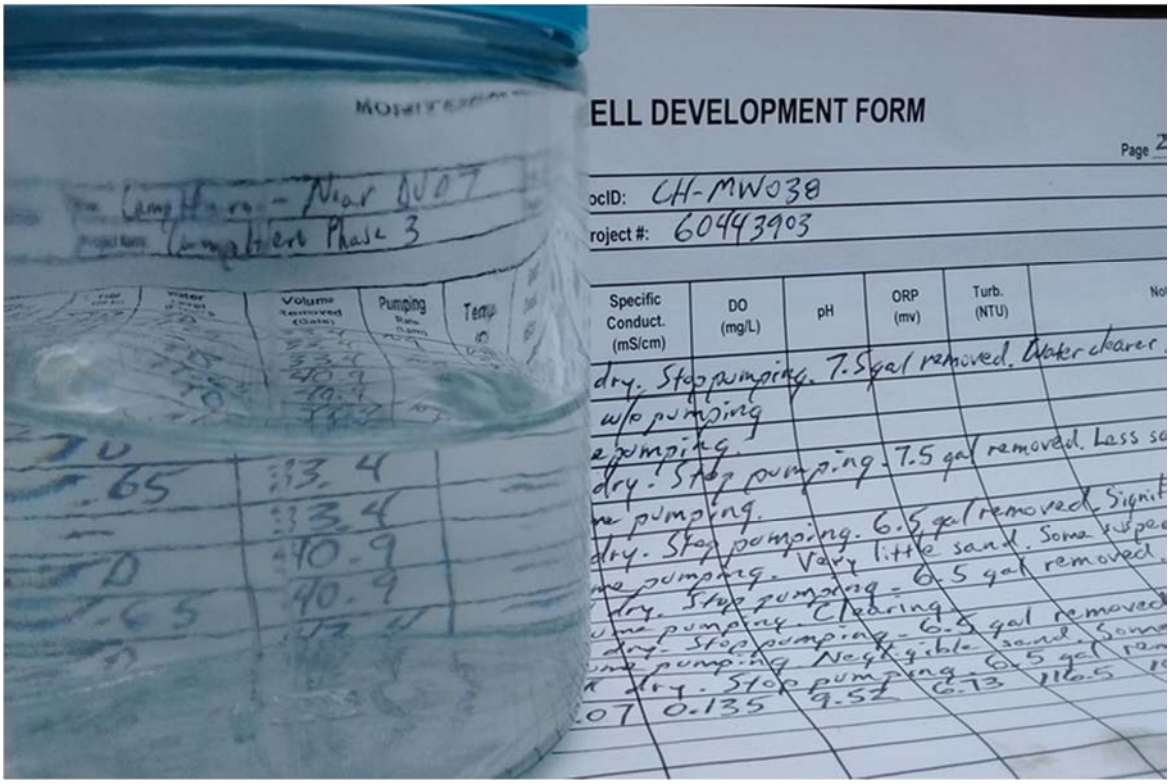


Photograph 167. Groundwater from CH-MW035 after well development

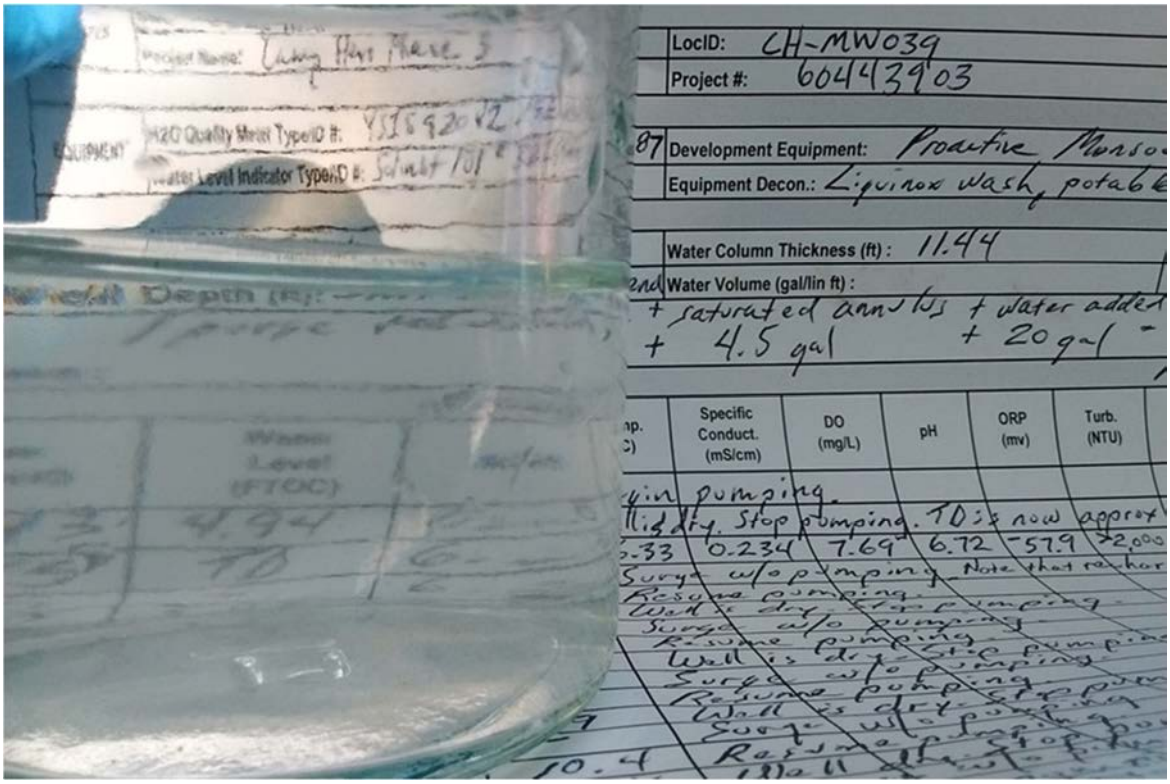


Photograph 168. Groundwater from CH-MW036 after well development

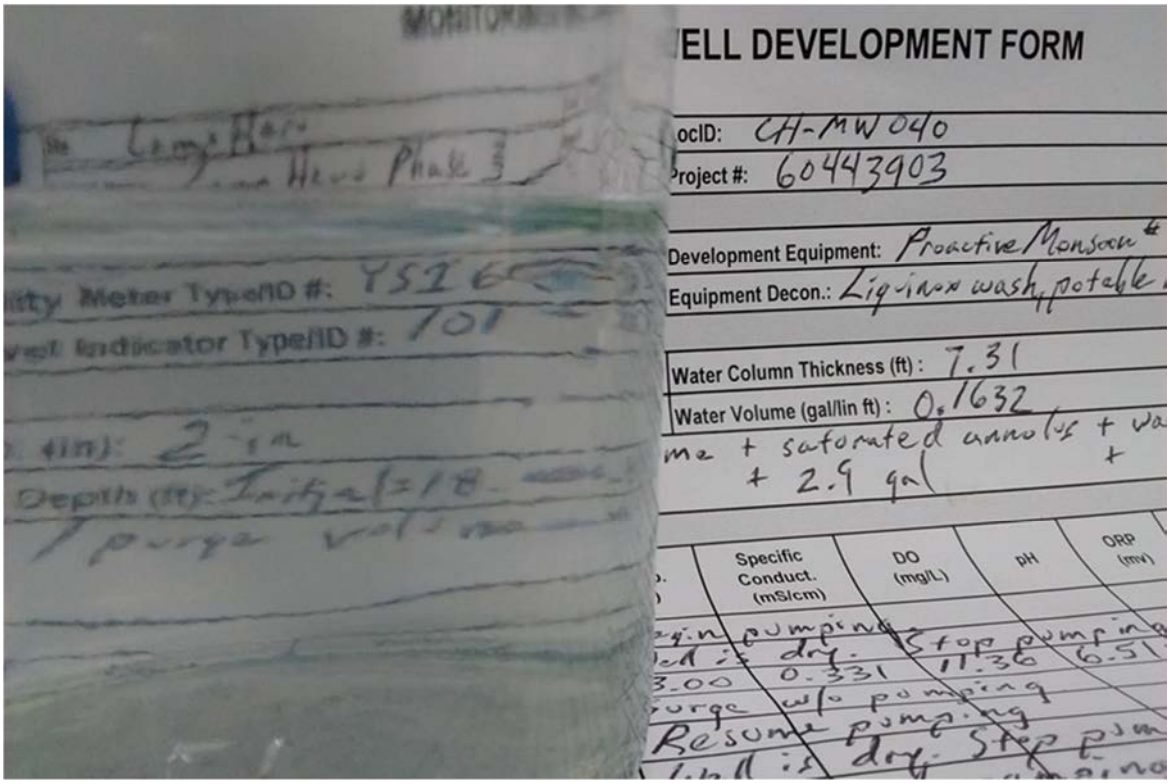
Photograph 169. Groundwater from CH-MW037 after well development



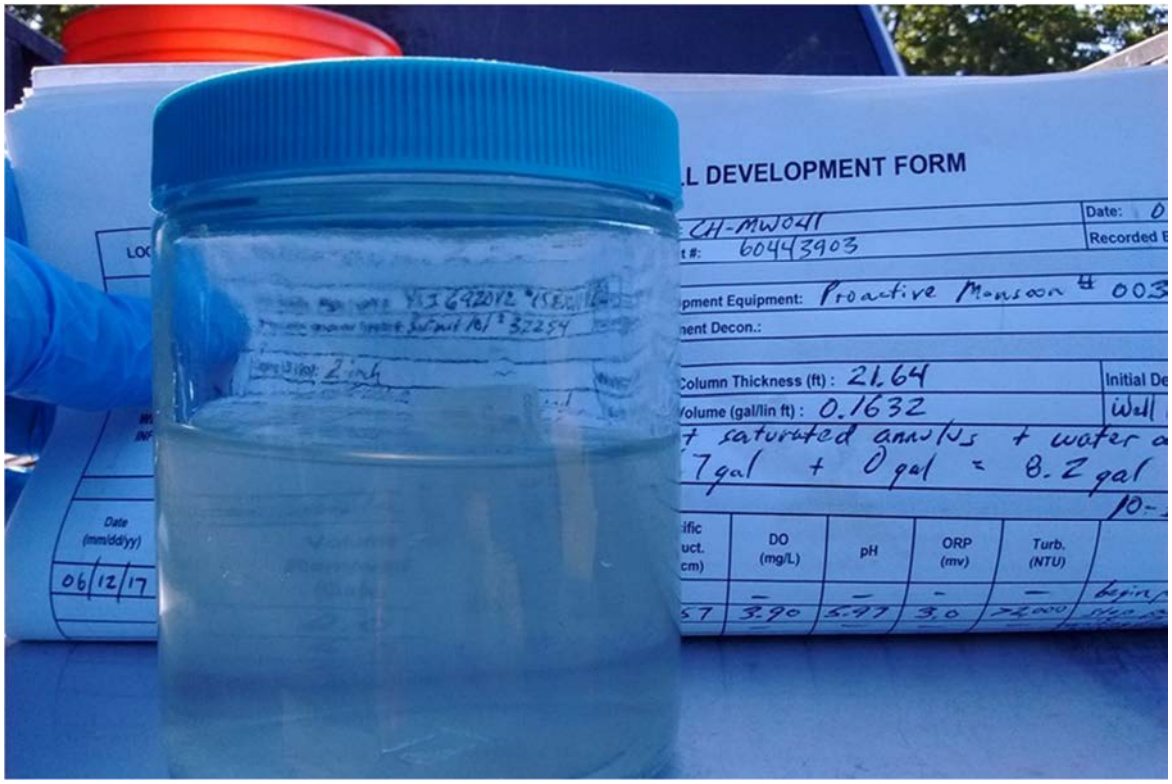
Photograph 170. Groundwater from CH-MW038 after well development



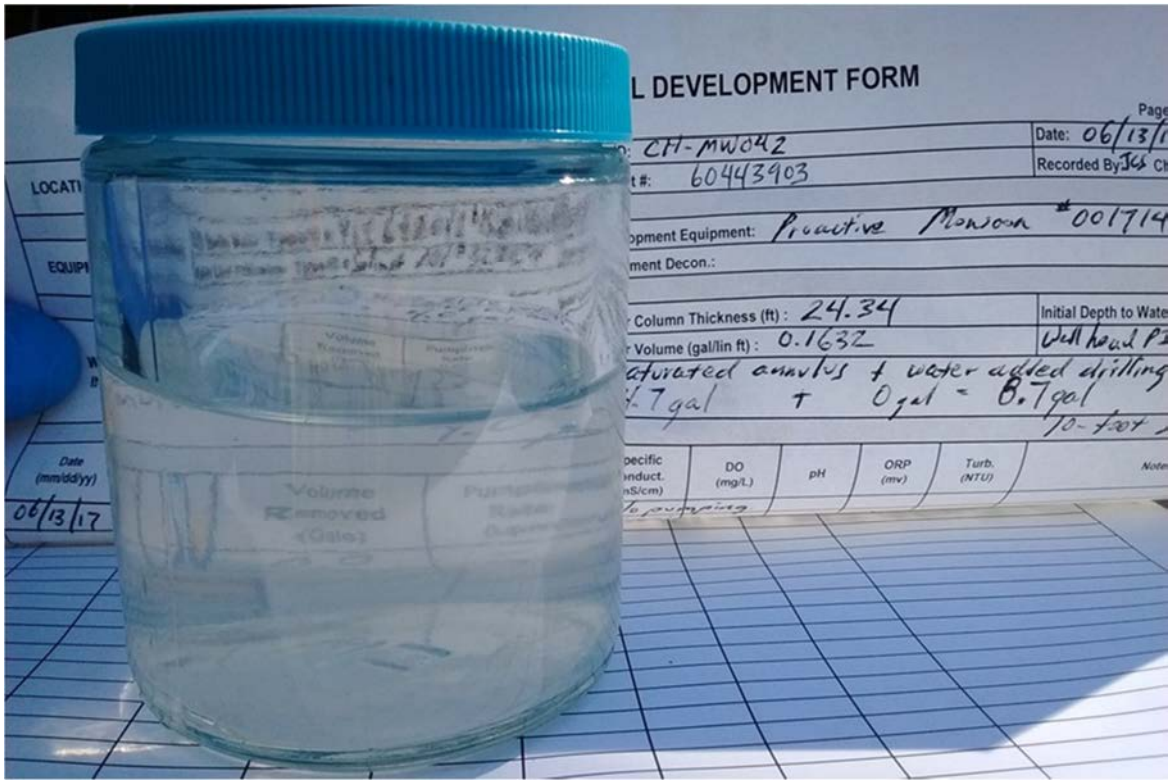
Photograph 171. Groundwater from CH-MW039 after well development



Photograph 172. Groundwater from CH-MW040 after well development



Photograph 173. Groundwater from CH-MW041 after well development



Photograph 174. Groundwater from CH-MW042 after well development

Photograph 175. Groundwater from CH-MW043 after well development

Photograph 176. Typical volume of sand removed after first pump dry during well development on most Camp Hero wells

Photograph 177. The AECOM Camp Hero Phase III Field Investigation team (weeks 1 and 2).

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Appendix I

Field Documentation

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Appendix I1

Well Boring Logs

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AECOM
Soil Boring Log

Sheet 1 of 2

Project Name: Camp Hero	Site: Bldg 203	**Hole ID:** CH-MW022
Project Number: 60443903	*Northing:*	Total Depth (feet): 25
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/8/17 0818
Driller: T. Palomeque	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/8/17 ~~0950~~ 0845 MG
Drilling Equipment: Fraste XL Max	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/8/17 0950
Drilling Method: Roto Sonic	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches): 6	Weather/Comments:	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILT WITH SAND, soft, dry, dark yellowish brown (10YR 4/4) 20% fine sand, slightly cohesive		ML	3.0 / 5.0	RS	1	0.0 0.0 0.0	0818 0820		Ambient PID: 0.0 ppm
5	POORLY GRADED SAND WITH SILT, medium stiff, yellowish brown (10YR 5/4)			4.4 / 5.0	RS	2	0.0 0.0 0.0 0.0	0825		
10	SILTY SAND, dense, dry, brown (10YR 5/3) 20% fines, fine sand POORLY GRADED SAND WITH SILT as above			4.4 / 5.0	RS	3	0.0 0.0 0.0 0.0	0829		
15										

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USCS Name, Consistency/Density (predominantly fine: very soft {n=0-1}, soft {n=2-4}, medium stiff {n=5-8}, stiff {n=9-15}, very stiff {n=16-30}, hard {n=31+}/predominently coarse: very loose {n=0-4}, loose {n=5-10}, medium dense {n=11-30}, dense {n=31-50}, very dense {n=51+}). **Moisture**, (dry, moist, wet). **Color. Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, **SD** = Sample Depth, **ST** = Sample Time, **A** = Analysis.
BZ = Breathing Zone, **BG** = Background, **BH** = Borehole, **CB** = Cuttings Bin

AECOM

Soil Boring Log (Continued)

Project Name: Camp Hero | Site: Bldg 203 | Hole ID: CH-MW022

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	FAT CLAY, medium stiff, dry, brown (10YR 4/3), high plasticity		CH	5.0/5.0	RS	(4)	0.0 0.0 0.0 0.0	0833		Ambient PID: 0.0 ppm
20	grading to LEAN CLAY with strong brown (7.5YR 5/6) laminations, mottling 15%			5.0/5.0	RS	(5)	0.0 0.0 0.0 0.0	0845		
25	TD: 25' bgs									
30										

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Form: 00-BLANK LOG

USCS Name, **Consistency/Density** (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

AECOM

Soil Boring Log

Sheet 1 of 2

Project Name: Camp Hero	Site: DU01	Hole ID: CH-MW023
Project Number: 60443903	*Northing:*	Total Depth (feet): 25
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/8/17 1038
Driller: T. Palomeque	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/8/17 1058
Drilling Equipment: Fraste XL MAX	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/8/17 1150
Drilling Method: Roto Sonic	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches): 6	Weather/Comments: mostly clear, sunny	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	PID/FID (ppm)	Time	Well Diagram	Remarks (list sample numbers here)
0	SILT WITH SAND, soft, dry, dark yellowish brown (10YR 4/4), 15% fine sand, cohesive, non-plastic			3.3 / 5.0	RS	1	0.1 0.2 0.1	1038 1040		Ambient PID: 0.1 ppm
5	trace sub-rounded gravel to 1 cm. grading to brown (10YR 4/3)			4.1 / 5.0	RS	2	0.1 0.1 0.1	1044		
10	increasing fine sand to SANDY SILT			5.0 / 5.0	RS	3	0.1 0.1 0.2 0.1	1049		
15										

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USCS Name, **Consistency/Density** (predominantly fine: very soft {n=0-1}, soft {n=2-4}, medium stiff {n=5-8}, stiff {n=9-15}, very stiff {n=16-30}, hard {n=31+}/predominantly coarse: very loose {n=0-4}, loose {n=5-10}, medium dense {n=11-30}, dense {n=31-50}, very dense {n=51+}). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, **SD** = Sample Depth, **ST** = Sample Time, **A** = Analysis.
BZ = Breathing Zone, **BG** = Background, **BH** = Borehole, **CB** = Cuttings Bin

Form: 00-BLANK LOG

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Soil Boring Log (Continued)

Project Name: Camp Hero | Site: JU01 | Hole ID: CH-MW02-3

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
					RS		0.1			Ambient PID: 0.1 ppm
				5.0 / 5.0		(4)	0.0			
							0.2			
	strong brown (7.5YR 4/6) pulverized rock fragments/powder SILT, stiff, dry, dark gray (5Y 4/1) non-plastic, cohesive						0.1	1054		
20					RS		0.0			
	SILT WITH SAND, stiff, dry, olive brown (2.5Y 4/3), 20% fine sand micaceous			5.0 / 5.0		(5)	0.1			
							0.1			
25							0.1	1058		
	TD: 25' bgs									
30										

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Form: 00-BLANK LOG

USCS Name, Consistency/Density (predominantly fine: very soft {n=0-1}, soft {n=2-4}, medium stiff {n=5-8}, stiff {n=9-15}, very stiff {n=16-30}, hard {n=31+}/predominently coarse: very loose {n=0-4}, loose {n=5-10}, medium dense {n=11-30}, dense {n=31-50}, very dense {n=51+}). **Moisture**, (dry, moist, wet). **Color. Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, **SD** = Sample Depth, **ST** = Sample Time, **A** = Analysis.
BZ = Breathing Zone, **BG** = Background, **BH** = Borehole, **CB** = Cuttings Bin

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Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: AST 35/FPH	Hole ID: CH-MWDZ4
Project Number: 60443039	*Northing:*	Total Depth (feet): 15
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/12/17 1124
Driller: E. Pope	Elevation (feet MSL): *Ground:*	Date / Time Finished: 1135
Drilling Equipment: Geoprobe 6620DT	Water Depth During Drilling (feet bgs):	Date / Time Completed:
Drilling Method: ~~Roto Sonic~~ DP	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches): 3.25"	Weather/Comments: sunny 85°	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILT, medium stiff, dry, very dark gray (10YR 3/1) cohesive non-plastic, trace sand		ML		DP		0.7	1124		Ambient PID: 1.4 ppm
				3.8/5.0		D	0.7			
							7.8			
	wood fragments, pulverized creosote (?) odor						2.5			
	very dark grayish brown (2.5Y 3/2)						3.2	1126		
5					DP					
	pulverized rock						1.8			
	wood fragments			3.8/5.0		S	3.4			
							1.3			
	wet, black staining						3.3			wet, odor (petro?)
							65.3			
							34.1	1130		
10					DP					
	SILT, medium stiff, wet greenish gray (5GY 5/1) non-plastic, very cohesive		ML	4.0/5.0		3	20.9			
							31.7			
							22.5			
	25% yellowish brown (10YR 5/4)						23.8	1135		
15										

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USCS Name, Consistency/Density (predominantly fine: very soft {n=0-1), soft {n=2-4}, medium stiff {n=5-8}, stiff {n=9-15}, very stiff {n=16-30}, hard {n=31+}/predominently coarse: very loose {n=0-4}, loose {n=5-10}, medium dense {n=11-30}, dense {n=31-50}, very dense {n=51+}). **Moisture,** (dry, moist, wet). **Color. Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, **SD** = Sample Depth, **ST** = Sample Time, **A** = Analysis.
BZ = Breathing Zone, **BG** = Background, **BH** = Borehole, **CB** = Cuttings Bin

Form: 00-BLANK LOG

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Soil Boring Log

Sheet 1 of 2

Project Name: Camp Hero	Site: DU01	Hole ID: CH-MW025
Project Number: 60443903	Northing:	Total Depth (feet): 20.0
Drilling Contractor: AST	Easting:	Date / Time Started: 6/7/17 1200
Driller: Dave Moon	Elevation (feet MSL): Ground:	Date / Time Finished: 6/7/17 1225
Drilling Equipment: Fraste XL	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/7/17
Drilling Method: Roto Sonic	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 5.5	Weather/Comments: Partly sunny, 65°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted/Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	Organic soil, loamy, roots, grass						0.9			
	SILTY SAND, firm, dry, light reddish brown, f-m sand, poorly sorted, subrounded, silt, cohesive, trace gravel			2/5	S	1	1.3			
							2.7			
							3.2			
	SILTY SAND W/ CLAY, soft, dry, light gray, f-m sand, poorly sorted, subrounded, silt & clay, cohesive and slightly plastic							1209		
5							0.7			
				3/5	S	2	0.4			
							0.2			
							0.1			
								1215		
10	becoming V. soft w/ higher % clay and less silt, med plasticity						0.2			
	SILTY SAND, firm, dry, dark grayish brown, m sand, poorly sorted, silt, cohesive			3/5	S	3	0.3			
							0.4			
	becoming light reddish brown f-m sand w/ silt moist						0.1			
								1220		
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet) Color Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM

Soil Boring Log (Continued)

Project Name: CAMP Hero | Site: DU 01 | Hole ID: CH-MW025

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	SAND, loose, wet, reddish brown, m sand, v. poorly sorted, sub rounded, trace amount of silt & clay, not cohesive			3.5/5	5	4	0.4 0.4 0.6			
	CLAYEY SILT, dense to v dense, dry, light reddish brown to gray, silt & clay, massive, cohesive, but non plastic & sand and trace small gravel						0.2	1223		
20	TD = 20' bgs Reach pearched water									
25										
30										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE1\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI.GPJ, 4/8/10, 15:05

From: 00 BLANK LOG

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

AECOM

Soil Boring Log

Sheet 1 of 2

Project Name: Camp Hero	Site: STB	**Hole ID:** CH-MW026
Project Number:	*Northing:*	Total Depth (feet): 20'
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/05/17 0930
Driller: Tony Polomeque	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/05/17 0958
Drilling Equipment: Fraste	▼ Water Depth During Drilling (feet bgs): ~12'	Date / Time Completed:
Drilling Method: Roto Sonic	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches): 6	Weather/Comments: 60°, light rain, overcast	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SANDY SILT, soft, dry, yellowish brown (10YR 5/4), cohesive non-plastic, 35% fine sand			2.0 / 5.0	S	1	0.0 0.0	0930 0934		
5	LEAN CLAY WITH SAND, stiff, dry, brown (10YR 4/3), low plasticity, 20% fine sand			5.0 / 5.0	S	2	0.0 0.0 0.0 0.0	0942		
10	CLAYEY SAND, medium stiff, wet, yellowish brown (10YR 5/4) cohesive, non-plastic, 20% fines sand mg			5.0 / 5.0	S	3	0.0 0.0 0.0 0.0	0950		
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE1\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI.GPJ, 4/6/10, 15:05

USCS Name, **Consistency/Density** (predominantly fine: very soft {n=0-1}, soft {n=2-4}, medium stiff {n=5-8}, stiff {n=9-15}, very stiff {n=16-30}, hard {n=31+}/predominantly coarse: very loose {n=0-4}, loose {n=5-10}, medium dense {n=11-30}, dense {n=31-50}, very dense {n=51+}). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**

S# = Sample Number, **SD** = Sample Depth, **ST** = Sample Time, **A** = Analysis.

BZ = Breathing Zone, **BG** = Background, **BH** = Borehole, **CB** = Cuttings Bin

0.55' blank 9.60' screen

Form: 00-BLANK LOG

AECOM

Soil Boring Log (Continued)

Project Name: Camp Hero | Site: STB | Hole ID: CH-MW026

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
				5.0/5.0	S	(4)	0.0 0.0 0.0 0.0	0958	screen 10-20' bgs	
20										
25										
30										

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USCS Name, **Consistency/Density** (predominantly fine: very soft {n=0-1}, soft {n=2-4}, medium stiff {n=5-8}, stiff {n=9-15}, very stiff {n=16-30}, hard {n=31+}/predominently coarse: very loose {n=0-4}, loose {n=5-10}, medium dense {n=11-30}, dense {n=31-50}, very dense {n=51+}). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**

S# = Sample Number, **SD** = Sample Depth, **ST** = Sample Time, **A** = Analysis.

BZ = Breathing Zone, **BG** = Background, **BH** = Borehole, **CB** = Cuttings Bin

AECOM

Soil Boring Log

Sheet 1 of 2

Project Name: Camp Hero	Site: STB	**Hole ID:** CH-MW027
Project Number: 60443903	*Northing:*	Total Depth (feet): 30
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/5/17 1335
Driller: Tony Polomaque	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/5/17 1358
Drilling Equipment: Frasta XL Max	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed:
Drilling Method: Roto Sonic	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches): 6	Weather/Comments: 60° overcast, light rain	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILT WITH SAND, soft, dry, dark brown (7.5YR 3/2) cohesive, non-plastic		ML	5.0 / 5.0	RS	(1)	0.0 0.0 0.0 0.0	1335 1337		
5	brown (7.5YR 4/4)			5.0 / 3.0	RS	(2)	0.0 0.0 0.0 0.0	1341		
10				5.0 / 5.0		(3)	0.0 0.0 0.0 0.0	1345		
15										

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USCS Name, **Consistency/Density** (predominantly fine: very soft {n=0-1}, soft {n=2-4}, medium stiff {n=5-8}, stiff {n=9-15}, very stiff {n=16-30}, hard {n=31+}/predominantly coarse: very loose {n=0-4}, loose {n=5-10}, medium dense {n=11-30}, dense {n=31-50}, very dense {n=51+}). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**

S# = Sample Number, **SD** = Sample Depth, **ST** = Sample Time, **A** = Analysis.

BZ = Breathing Zone, **BG** = Background, **BH** = Borehole, **CB** = Cuttings Bin

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AECOM

Soil Boring Log (Continued)

Project Name: Camp Hero | Site: STB | Hole ID: CH-MW027

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	grading to very dark gray (2.5Y 3/1), trace gravel			5.0 / 5.0	RS	4	0.0 / 0.0 / 0.0 / 0.0	1349		
20				5.0 / 5.0	RS	5	0.0 / 0.0 / 0.0 / 0.0	1353		screen 20-30' bgs
25	POORLY GRADED SAND WITH SILT, medium dense, moist, light olive brown (2.5Y 5/3) cohesive, non-plastic		SP-SM	5.0 / 5.0	RS	6	0.0 / 0.0 / 0.0 / 0.0	1358		
30										

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USCS Name, **Consistency/Density** (predominantly fine: very soft {n=0-1}, soft {n=2-4}, medium stiff {n=5-8}, stiff {n=9-15}, very stiff {n=16-30}, hard {n=31+}/predominantly coarse: very loose {n=0-4}, loose {n=5-10}, medium dense {n=11-30}, dense {n=31-50}, very dense {n=51+}). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**

S# = Sample Number, **SD** = Sample Depth, **ST** = Sample Time, **A** = Analysis.

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AECOM
Soil Boring Log

Sheet 1 of 2

Project Name: Camp Hero	Site: STP	Hole ID: CH-MW028
Project Number: 60443903	*Northing:*	Total Depth (feet): 30
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/5/17 1100
Driller: Tony Polomeque	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/5/17 1130
Drilling Equipment: Fraste XL MAX	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed:
Drilling Method: Roto Sonic	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches): 6	Weather/Comments: 60°, light rain, overcast	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	CLAYEY SAND, soft, dry, brown (10YR 4/3)				S		0.0	1100		
	very dark gray (7.5YR 3/1) SILT WITH SAND, soft, dry brown (7.5YR 4/3) 15% fine sand, trace gravel			4.0 / 5.0		1	0.0			
							0.0			
							0.0	1102		
5					S		0.0			
				5.0 / 5.0		2	0.0			
							0.0			
							0.0	1105		
10	CLAYEY SAND				S		0.0			
				5.0 / 5.0		3	0.0			
							0.0			
							0.0	1110		
15										

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USCS Name, **Consistency/Density** (predominantly fine: very soft {n=0-1}, soft {n=2-4}, medium stiff {n=5-8}, stiff {n=9-15}, very stiff {n=16-30}, hard {n=31+}/predominently coarse: very loose {n=0-4}, loose {n=5-10}, medium dense {n=11-30}, dense {n=31-50}, very dense {n=51+}). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, **SD** = Sample Depth, **ST** = Sample Time, **A** = Analysis.
BZ = Breathing Zone, **BG** = Background, **BH** = Borehole, **CB** = Cuttings Bin

Form: 00-BLANK LOG

AECOM

Soil Boring Log (Continued)

Project Name: Camp Hero | Site: STB | Hole ID: CH-MW028

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
20	wet			5.0 / 5.0	S	4	0.0 0.0 0.0 0.0	1115		
				5.0 / 5.0	S	5	0.0 0.0 0.0 0.0	1123		screen ~20-30' bgs
25				3.0 / 5.0	S	6	0.0 0.0 0.0	1130		
30										

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USCS Name, **Consistency/Density** (predominantly fine: very soft {n=0-1}, soft {n=2-4}, medium stiff {n=5-8}, stiff {n=9-15}, very stiff {n=16-30}, hard {n=31+}/predominantly coarse: very loose {n=0-4}, loose {n=5-10}, medium dense {n=11-30}, dense {n=31-50}, very dense {n=51+}). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**

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AECOM
Soil Boring Log

Sheet 1 of 2

Project Name: Camp Hero Phase ~~III~~	Site: DU #7	Hole ID: CH-MW029
Project Number: 60443903	*Northing:*	Total Depth (feet): 20'
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/6/17 0750
Driller: T. Palomteque	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/6/17 0810
Drilling Equipment: Fraste XL Mak	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/6/17 1100
Drilling Method: Roto Sonic	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches): 6	Weather/Comments: overcast	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	POORLY GRADED SAND WITH SILT, loose, moist, dark brown (7.5YR 3/2), 5% subangular gravel.		SP-SM		RS			0750		Ambient PID: 0.1 ppm
				2.7 / 3.4		(1)	0.1			
	SILTY SAND, loose, moist, brown (7.5YR 5/3), 20% fines non-plastic, cohesive		SM				0.1			
							0.1			
								0754		
5	trace sub-rounded gravel				RS					
	increasing fines, increasing cohesiveness.						0.0			
				3.4 / 5.0		(2)	0.0			
							0.0			
								0800		
10	POORLY GRADED SAND WITH SILT, loose, moist, grayish brown (2.5Y 5/2), fine sand cohesive.		SP-SM		RS					
							0.1			
				3.0 / 5.0		(3)				
							0.0			
	yellowish brown (10YR 5/4) gravel/cobble fragments						0.1			
								0805		
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). **Moisture**, (dry, moist, wet). **Color. Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, **SD** = Sample Depth, **ST** = Sample Time, **A** = Analysis.
BZ = Breathing Zone, **BG** = Background, **BH** = Borehole, **CB** = Cuttings Bin

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AECOM

Soil Boring Log (Continued)

Project Name: Camp Hero | Site: DU17 | Hole ID: CH-MW029

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	wet, fine to medium sand			3.0 / 5.0	RS	4	0.0 0.0 0.0	0810		
20	TD: 20' bgs									
25										
30										

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Form: 00-BLANK LOG

USCS Name, **Consistency/Density** (predominantly fine: very soft {n=0-1}, soft {n=2-4}, medium stiff {n=5-8}, stiff {n=9-15}, very stiff {n=16-30}, hard {n=31+}/predominently coarse: very loose {n=0-4}, loose {n=5-10}, medium dense {n=11-30}, dense {n=31-50}, very dense {n=51+}). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
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BZ = Breathing Zone, **BG** = Background, **BH** = Borehole, **CB** = Cuttings Bin

AECOM
Soil Boring Log

Sheet 1 of 2

Project Name: Camp Hero	Site: DU12	**Hole ID:** CH-MW030
Project Number: 60443903	*Northing:*	Total Depth (feet): 20.0
Drilling Contractor: ADT	*Easting:*	Date / Time Started: 6/6/17 0748
Driller: Dave Moon	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/6/17 0910
Drilling Equipment: Fraste XL	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/6/17 1200
Drilling Method: Roto Sonic	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 5.5	Weather/Comments: cloudy, gusty winds, 58°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	organics, roots, very loamy						0.4			
	SILTY SAND, loose, moist, brown, m sand, poorly sorted, subrandal, some silt, slightly cohesive, trace gravel, non spherical			2.5/5	S	1	1.7			
							2.3			
							4.3			
	m-f sand, moist to wet						2.1	0750		
5										
	No recovery sample fell out of core barrel			0/5	S	2				
								0753		
10	CLAYEY SAND, soft, moist to wet, light grayish brown, m-c sand, rounded to subrounded, poorly sorted, clay, cohesive and low to moderate plasticity,						0.3			
				3/5	S	3	0.7			
							0.2			
							2.4			
								0810		
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM

Soil Boring Log (Continued)

Sheet 2 of ~~3~~ 2

Project Name: Camp Hero | Site: DU 12 | Hole ID: CH-MW030

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	SILTY SAND W/ CLAY & GRAVEL, dense, moist, light reddish brown, m sand, poorly sorted, subrounded, silt & clay matrix, cohesive, slightly plastic, some gravel, sub rounded, very heterogenous			4.7/5	S4		0.4 0.5 0.9 1.3 0.2	0820		
20	TD = 20' bgs ~~Reached~~ first water bearing unit									
25										
30										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

Sil = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

AECOM

Soil Boring Log

Sheet 1 of 32

Project Name: Camp Hero	Site: DU14	Hole ID: CH-MW031/DU14SO11
Project Number: 60443903	Northing:	Total Depth (feet): 20.0
Drilling Contractor: ADT	Easting:	Date / Time Started: 6/7/17 0958
Driller: D. Moon	Elevation (feet MSL): Ground:	Date / Time Finished: 6/7/17 1027
Drilling Equipment: Fraste XL	Water Depth During Drilling (feet bgs):	Date / Time Completed:
Drilling Method: Roto Sonic	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 5.5	Weather/Comments: partly cloudy, 62°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted/Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	Organic soil, roots, loamy f. sand,						0.4			DU14-SO11-00-01 1015 00-01 SVOCs/PAHs
	SAND, soft, moist, light grayish brown, f. sand, well sorted, rounded, trace silt, slightly cohesive,			3.4/5	S	1	0.7 1.4 2.3			
5	SILTY/CLAYEY SILT lens, organics, root structures							0958		DU14-SO11-01-10 1035 01-10 SVOCs/PAH
	SAND, soft, moist to wet, f. sand, well sorted, rounded,						1.1			
	coarse sand lens, v poorly sorted, wet to saturated, sub rounded			3.1/5	S	2	2.4 3.3			
	SAND, SAA, trace gravel						0.7			
10	becoming moist to wet, higher silt content							1004		
				3.3/5	S	3	0.3 0.5 0.1 0.7	1027		
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE1\MY DOCUMENTS\PROJECTS\MIKE POMPILIANO\LUALUALED GPJ, AECOM, 15 05

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM
Soil Boring Log
(Continued)

Sheet 2 of 2

Project Name: Camp Hero | Site: DU14 | Hole ID: CH-MW031

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	~~SAND~~ SILTY SAND, loose, moist to wet, light grayish brown, f sand, poorly sorted, sub rounded, trace amount of fine gravel			4/5	S	4	0.1			
							0.5			
							0.6			
							0.3			
20								1027		
	TD = 20.0 bgs									
25										
30										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE1\MY DOCUMENTS\PROJECTS\MIKE POMPILIO\LUALUALEI.GPJ, 4/6/10, 15:05

Form: 06/BLANK LOG

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

AECOM

Soil Boring Log

Sheet 1 of 2

Project Name: Camp Hero	Site: DU 11	**Hole ID:** GH-MW032
Project Number: 6044 3903	*Northing:*	Total Depth (feet): 25
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/6/17 1515
Driller: T. Palomeque	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/6/17 1610
Drilling Equipment:	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/7/17 1550
Drilling Method: Roto Sonic	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments: overcast, 53°	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	SANDY SILT, medium stiff, moist, brown (7.5YR 5/4) 30% fine sand				RS		0.0	1515		Background PID: 0.0 ppm
	decreasing sand to SILT WITH SAND, 20% fine sand cohesive, non-plastic			3.5/5.0		(1)	0.1			
							0.1			
5							0.1	1519		
					RS		0.0			
				3.6/5.0		(2)	0.0			
	CLAYEY SAND, loose, moist brown (7.5YR 5/4) 25% fine fine sand, >50% medium sand cohesive, non-plastic						0.0			
10							0.0	1522		
					RS		0.2			
				4.1/5.0		(3)	0.1			
							0.0			
	POORLY GRADED SAND, loose, moist, yellowish brown (10YR 5/6) fine to medium sand						0.0	1525		
15										

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USCS Name, Consistency/Density (predominantly fine: very soft {n=0-1}, soft {n=2-4}, medium stiff {n=5-8}, stiff {n=9-15}, very stiff {n=16-30}, hard {n=31+}/predominantly coarse: very loose {n=0-4}, loose {n=5-10}, medium dense {n=11-30}, dense {n=31-50}, very dense {n=51+}). **Moisture**, (dry, moist, wet). **Color. Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, **SD** = Sample Depth, **ST** = Sample Time, **A** = Analysis.
BZ = Breathing Zone, **BG** = Background, **BH** = Borehole, **CB** = Cuttings Bin

AECOM
Soil Boring Log
(Continued)

Project Name: Camp Hero | Site: DU11 | Hole ID: CH-MW032

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
					RS		0.0			Background PID: 0.0 ppm
				4.0 / 5.0		(4)	0.0			
	trace rounded to sv brounded gravel.						0.0			
20							0.0	1530		
					RS		0.0			
	SILTY SAND, med. dense, moist, brown (10YR 5/3), 20% fines, cohesive, trace very dark gray (5Y 3/1).			3.7 / 5.0		(3)	0.0			
	20% very dark gray						0.0			
25							0.0	1540		
	TD: 25' bgs									
30										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE1\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI.GPJ, 4/8/10, 15:05

Form: 00-BLANK LOG

USCS Name, **Consistency/Density** (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

AECOM

Soil Boring Log

Sheet 1 of 2

Project Name: Camp Hero	Site: DU 11	Hole ID: CH-MW033
Project Number: 60443903	*Northing:*	Total Depth (feet): 30'
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/6/17 0916
Driller: T. Palomeque	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/6/17 1002
Drilling Equipment: Fraste XL MAX	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/6/17 1500
Drilling Method: Roto Sonic	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches): 6	Weather/Comments: overcast, 55°	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILT, soft, moist, black (10YR 2/1) roots		ML		RS		0.0	0916		
	SILT WITH SAND, soft, moist, dark yellowish brown (10YR 4/4) 20% fine sand, 5% sub-rounded gravel.		ML	3.0/5.0		1	0.0			Ambient PID: 0.0 ppm
							0.0	0920		
5	WELL GRADED SAND, loose, moist, strong brown (7.5YR 4/4) fine to coarse sand		SW	3.0/5.0	RS	2	0.0			
							0.0			
							0.0	0924		
10	SILT WITH SAND, soft, moist, brown (10YR 4/3), fine sand 15%		ML	4.0/5.0	RS	3	0.0			
							0.0			
							0.0			
	grading to POORLY GRADED SAND WITH SILT						0.6	0930		
15										

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USCS Name, **Consistency/Density** (predominantly fine: very soft {n=0-1}, soft {n=2-4}, medium stiff {n=5-8}, stiff {n=9-15}, very stiff {n=16-30}, hard {n=31+}/predominantly coarse: very loose {n=0-4}, loose {n=5-10}, medium dense {n=11-30}, dense {n=31-50}, very dense {n=51+}). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**

S# = Sample Number, **SD** = Sample Depth, **ST** = Sample Time, **A** = Analysis.

BZ = Breathing Zone, **BG** = Background, **BH** = Borehole, **CB** = Cuttings Bin

Form: 00-BLANK LOG

AECOM

Soil Boring Log (Continued)

Project Name: Camp Hero | Site: DV 11 | Hole ID: CH-MW 033

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
20	POORLY GRADED SAND, loose, dry, yellowish brown (10YR 5/4) 5% rounded gravel to 8 cm.			3.0/5.0	RS	4	0.0 0.5 0.3	0939		
				2.6/5.0	RS	5	0.1 0.3 0.4	0950		Screen: 15-30' bgs
25	WET			1.6/5.0	RS	6	0.0 0.0 0.0	1002		
30	POORLY GRADED SAND WITH SILT, loose, moist, dark yellowish brown (10YR 4/3), <5%, sub-angular gravel to 2 cm.									
	TD: 30' bgs									
	grading to WELL GRADED SAND loose, wet at 25.5'									

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Form: 00-BLANK LOG

USCS Name, **Consistency/Density** (predominantly fine: very soft {n=0-1}, soft {n=2-4}, medium stiff {n=5-8}, stiff {n=9-15}, very stiff {n=16-30}, hard {n=31+}/predominently coarse: very loose {n=0-4}, loose {n=5-10}, medium dense {n=11-30}, dense {n=31-50}, very dense {n=51+}). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**

S# = Sample Number, **SD** = Sample Depth, **ST** = Sample Time, **A** = Analysis.

BZ = Breathing Zone, **BG** = Background, **BH** = Borehole, **CB** = Cuttings Bin

AECOM
Soil Boring Log

Sheet 1 of 2

Project Name: Camp Hero	Site: DU3	Hole ID: CH-MW034
Project Number: 60443903	*Northing:*	Total Depth (feet): 35.0
Drilling Contractor: ADT	*Easting:*	Date / Time Started: 6/6/17 1345
Driller: Dave Moon	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/6/17 1500
Drilling Equipment: Fraste XL	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/6/17 1650
Drilling Method: Roto Sonic	Logged By: A. Borglen	Checked By:
Borehole Diameter (inches): 5.5	Weather/Comments: cloudy, windy, cool	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted/Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	organic layer, roots, grass									
	SANDY SILT, loose, dry to moist, light reddish brown, silt, cohesive, slightly plastic, f- sand well sorted			3.5/5	S	1	0.0			
	SILTY SAND, loose, dry, light grayish brown, m sand, poorly sorted, subrounded, trace to some silt, trace gravel						0.0	1345		
5										
	SILTY SAND w/ CLAY, dense/ firm, dry, light reddish brown, m-f sand, poorly sorted, silty clay cohesive, slightly plastic, trace amount gravel			5/5	S	2	0.0			
							0.0	1400		
10										
	SAA			5/5	S	3	0.0			
							0.0	1412		
15										

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USCS Name, **Consistency/Density** (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, **SD** = Sample Depth, **ST** = Sample Time, **A** = Analysis.
BZ = Breathing Zone, **BG** = Background, **BH** = Borehole, **CB** = Cuttings Bin

Form: 00-BLANK LOG

AECOM
Soil Boring Log (Continued)

Project Name: Camp Hero | Site: DU13 | Hole ID: CH-MW034

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted/Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	SAA some orange oxidation staining along previous preferential pathways, no moisture or wetness			3.1/5	S	4	0.0			
							0.0	1420		
20	FAT CLAY, lens, cohesive, plastic, v. dark						0.0			
	SILTY SAND, firm, dry to moist, light grayish brown, f-m sand, poorly sorted, sub rounded, silt slightly cohesive, trace gravel at 24' bgs, more moist than above			5/5	S	5				
							0.0			
25								1430		
							0.0			
	SILTY SAND W CLAY, firm to dense, light grayish brown, moist to dry to moist, f-m sand, poorly sorted, sub rounded, silt and clay dense, cohesive, not plastic			5/5	S	6				
							0.0			
30	SILTY SAND, dense, moist to wet, light reddish gray, f-m sand, poorly sorted, sub rounded, silt cohesive, trace gravel, sub rounded							1447		
				5/5	S	7	0.0			
							0.0	1500		

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Form: 00 BLANK LOG

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)) Moisture, (dry, moist, wet) Color Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (weak, moderate, strong) Other descriptive elements; Geologic Origin
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

AECOM
Soil Boring Log

Sheet 1 of 2

Project Name: Camp Hero	Site: DU13	Hole ID: CH-MW035
Project Number: 60443903	Northing:	Total Depth (feet): 30.0
Drilling Contractor: ADT	Easting:	Date / Time Started: 6/6/17 0948
Driller: Dave Moon	Elevation (feet MSL): Ground:	Date / Time Finished: 6/6/17 1117
Drilling Equipment: Fraste XL	▼ Water Depth During Drilling (feet bgs)	Date / Time Completed:
Drilling Method: Roto Sonic	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 5.5	Weather/Comments: cloudy, chance of showers	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted/Recovered	Samples: Method	Samples: Run Number	PID/FID (ppm)	Time	Well Diagram	Remarks (list sample numbers here)
0	grass, organics (roots), loamy soil						0.4			
	SILTY SAND, loose to dense, dry, light reddish brown, m-f sand, poorly sorted, subrounded, silt, cohesive, non plastic			3.5/5	5	1	0.6			
	fine sand at 4' bgs, trace gravel						1.3			
	broken rock (fragments)						0.5	0948		
5	SILTY SAND w/ CLAY, dense, moist to dry, reddish brown, f-m sand, poorly sorted, sub rounded to rounded, silt & clay cohesive, low plasticity, sticky			3.8/5	5	2	0.1			
							0.4			
							0.1			
	orange oxidation staining, bright orange to red, trace gravel and fragmented rock						0.8	0952		
10							0.1			
	becoming moist to dry			4.1/5	5	3	1.7			
							2.3			
	higher sand content at 14' bgs moist						3.3			
							2.4	1000		
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky massive lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM
Soil Boring Log
(Continued)

Project Name: Camp Hero | Site: DU13 | Hole ID: CH-MW035

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted/Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	rock, rock fragment			4.5/5	S	4	0.3			
	SILTY SAND, firm/slightly dense, ~~dry~~ moist, light reddish brown, f-m sand, poorly sorted, rounded to subrounded, silt, slightly cohesive, trace to some gravel, rounded, non spherical moisture limited to porespaces						0.2			
							1.3			
							2.0			
20							0.7	1056		
							0.1			
	trace large diameter gravel ~ 1-2" till material, heterogeneous sand, silts, and gravel			4.1/5	S	5	0.2			
							0.7			
							1.1			
							1.0	1113		
25	SAA, tight to firm, less moisture in core material						0.4			
				4.3/5	S	6	0.6			
							0.2			
							1.0			
30	TD = 30.0 bgs						0.5	1117		

AKB 6

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Form: 00/BLANK LOG

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)) Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

AECOM

Soil Boring Log

Sheet 1 of 1

CH-MW036

Project Name: Camp Hero	Site: ~~AST 35~~ / FPH DU08	Hole ID: ~~CH-MW024~~
Project Number: 60443903	*Northing:*	Total Depth (feet): 15
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/9/17 0820
Driller: T. Palomeque	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/9/17 0832
Drilling Equipment: Fraste XL Max	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/9/17 0915
Drilling Method: Roto Sonic	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches): 6	Weather/Comments: mostly cloudy, 62°	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SANDY SILT, soft, dry, dark brown (10YR 3/3) 80% fine sand trace medium sand		ML	2.4 / 5.0	RS	(1)	0.4 0.6	0820 0824		Ambient PID: 0.5 ppm
5	SILTY SAND, loose, wet, light olive brown (2.5Y 5/3), poorly graded fine to med. sand, 5% sub-rounded gravel to 2 cm.			2.9 / 5.0	RS	(2)	1.1 0.5 0.8	0828		
10	increasing sand to POORLY GRADED SAND WITH SILT, loose, wet, greenish gray (10Y 5/1)		SP-SM	2.8 / 5.0	RS	(3)	0.5 0.5	0832		
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE1\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI.GPJ, 4/6/10, 15:05

USCS Name, **Consistency/Density** (predominantly fine: very soft {n=0-1}, soft {n=2-4}, medium stiff {n=5-8}, stiff {n=9-15}, very stiff {n=16-30}, hard {n=31+}/predominantly coarse: very loose {n=0-4}, loose {n=5-10}, medium dense {n=11-30}, dense {n=31-50}, very dense {n=51+}). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, **SD** = Sample Depth, **ST** = Sample Time, **A** = Analysis.
BZ = Breathing Zone, **BG** = Background, **BH** = Borehole, **CB** = Cuttings Bin

Form: 00-BLANK LOG

AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU08	**Hole ID:** CH-MW037
Project Number: 60443903	*Northing:*	Total Depth (feet):
Drilling Contractor: ADT	*Easting:*	Date / Time Started: 6/9/17 0811
Driller: Dave Moon	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/9/17 0833
Drilling Equipment: Fraste XL	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/9/17 1000
Drilling Method: Roto Sonic	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 5.5	Weather/Comments: sunny, light winds	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted/Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	organic soil, tight, wet, roots, grass									
	SAND, loose, moist, grayish brown, m sand, some c sand, subround, roots, poorly sorted			3/5	S	1	0.0			
	rock, crushed						0.1			
	increasing silt content						0.0	811		
5	sand becomes c.						0.2			
	~~SAND~~ GRAVELLY SAND, v. loose, wet, dark brownish gray, c-sand, poorly sorted, subrounded, gravel, slightly spherical, rounded, 1-2" diameter			3/5	S	2	0.3			
							0.2	817		
10	SILTY SAND lens, firm, dark brown, f-m sand, silt, moist									
	SAND, loose, wet, light brown m-c sand, well sorted, rounded, trace silt			3.1/5	S	3	0.1			
							0.1			
	GRAVELLY SAND, loose, wet, dark brown, poorly sorted, rounded gravel, sub spherical, rounded, 1-2" diameter						0.0	0825		
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM

Soil Boring Log

Sheet 1 of 2

Project Name: Camp Hero	Site: DU07	Hole ID: CH-MW038
Project Number: 60443903	*Northing:*	Total Depth (feet): 20
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/7/17 0918
Driller: T. Palomeque	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/7/17 0923
Drilling Equipment: Fraste XL MAX	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/7/17 1500
Drilling Method: Roto Sonic	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches): 6	Weather/Comments: overcast, 56°	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILTY SAND, soft, wet, strong brown (7.5YR 4/6), 20% fines, fine sand poorly graded, cohesive; trace sub-rounded to sub-angular gravel ≤ 3cm		SM	2.5 / 5.0	RS	1	0.0 0.0	0918		Ambient PID: 0.0 ppm
5				3.0 / 5.0	RS	2	0.0 0.0 0.0	0917 0916		
10				3.4 / 5.0	RS	3	0.0 0.0 0.0	0918		
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE1\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI.GPJ, 4/6/10, 15:05

USCS Name, Consistency/Density (predominantly fine: very soft {n=0-1}, soft {n=2-4}, medium stiff {n=5-8}, stiff {n=9-15}, very stiff {n=16-30}, hard {n=31+}/predominantly coarse: very loose {n=0-4}, loose {n=5-10}, medium dense {n=11-30}, dense {n=31-50}, very dense {n=51+}). **Moisture**, (dry, moist, wet). **Color. Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM

Soil Boring Log (Continued)

Project Name: Camp Hero | Site: DU07 | Hole ID: CH-MW038

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	10% rounded gravel to 2 cm decreasing fines to POORLY GRADED SAND WITH SILT, loose, moist, dark yellowish brown (10YR 4/4) fine to medium sand			3.6/5.0	RS	4	0.0 0.0 0.0	0923		
20	TD: 20' bgs									No water added during drilling
25										
30										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE1\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LIJALIJALEI.GPJ, 4/6/10, 15:05

Form: 00-BLANK LOG

USCS Name, **Consistency/Density** (predominantly fine: very soft {n=0-1}, soft {n=2-4}, medium stiff {n=5-8}, stiff {n=9-15}, very stiff {n=16-30}, hard {n=31+}/predominantly coarse: very loose {n=0-4}, loose {n=5-10}, medium dense {n=11-30}, dense {n=31-50}, very dense {n=51+}). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**

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AECOM

Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DO15	Hole ID: CH-MW039
Project Number: 60443903	*Northing:*	Total Depth (feet): 15
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/7/17 1313
Driller: T. Palomeque	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/7/17 1320
Drilling Equipment: Fraste XL Mux	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/7/17 1412
Drilling Method: Roto Sonic	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches): 6	Weather/Comments: overcast, 56°	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILTY SAND, medium dense, dry, olive brown (2.5Y 4/3), 20% fines, poorly graded fine to medium sand, cohesive non-plastic		SM	RS				1313		Ambient PID: 0.0 ppm
				2.9 / 5.0		1	0.0			
							0.0			
	grading to light olive brown (2.5Y 5/3) with trace well-rounded gravel to 1.5 cm.						0.0	1315		
5					RS					
				2.5 / 5.0		2	0.0			
	POORLY GRADED SAND WITH SILT, loose, wet, light olive brown (2.5Y 5/3), fine to med. sand slightly cohesive, non-plasti		SP SM				0.0	1318		
10					RS					
	POORLY GRADED SAND WITH SILT AND GRAVEL, 15% sub-rounded gravel to 3 cm.			3.0 / 5.0		3				
	POORLY GRADED SAND WITH SILT (as above)									No water added during drilling
	TD 15' bgs							1320		
15										

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USCS Name, **Consistency/Density** (predominantly fine: very soft {n=0-1}, soft {n=2-4}, medium stiff {n=5-8}, stiff {n=9-15}, very stiff {n=16-30}, hard {n=31+}/predominantly coarse: very loose {n=0-4}, loose {n=5-10}, medium dense {n=11-30}, dense {n=31-50}, very dense {n=51+}). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU15	**Hole ID:** CH-MW040
Project Number: 60443903	*Northing:*	Total Depth (feet):
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/12/17 0918
Driller: Eric Pope	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/12/17 0930
Drilling Equipment: 6620DT	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed:
Drilling Method: ~~Roto Sonic~~ DP	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches): 3.25"	Weather/Comments: clear, sunny 70°	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SANDY SILT, soft, dry, dark yellowish brown (10YR 4/4) 30% fine sand, cohesive, non-plastic		ML	DP			0.0	0918		Ambient PID: 0.0 ppm
				1.2 / 5.0		1	0.0	0920		
5	SILTY SAND, medium dense, moist, yellowish brown (10YR 5/4) cohesive, non-plastic		SM	DP			0.0			
				2.9 / 5.0		2	0.0			Pre-packed screen 5-15' bgs
							0.0	0924		
10	wet POORLY GRADED SAND, loose wet, light olive brown (2.5Y 5/3) fine to medium sand		SP	DP						
				4.8 / 5.0		3				
	SILTY SAND, loose, wet, grayish brown (2.5Y 5/2) TD: 15' bgs							0930		
15										

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USCS Name, **Consistency/Density** (predominantly fine: very soft {n=0-1}, soft {n=2-4}, medium stiff {n=5-8}, stiff {n=9-15}, very stiff {n=16-30}, hard {n=31+}/predominantly coarse: very loose {n=0-4}, loose {n=5-10}, medium dense {n=11-30}, dense {n=31-50}, very dense {n=51+}). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
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Form: 00-BLANK LOG

AECOM
Soil Boring Log

Sheet 1 of 2

Project Name: Camp Hero	Site: DU06	Hole ID: CH-MW041
Project Number: 60443903	*Northing:*	Total Depth (feet): 25.0
Drilling Contractor: ADT	*Easting:*	Date / Time Started: 6/5/17 1255
Driller: Dave	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/5/17 1345
Drilling Equipment: Fraste XL	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/5/17 1530
Drilling Method: Roto Sonic	Logged By: A. Border	Checked By:
Borehole Diameter (inches): 5.5	Weather/Comments: cloudy, foggy, 62° F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted/Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	grass, organic layer						0.0			
	spent coal fragments						0.0			
	SILTY SAND, loose, moist, light brown w/ orange staining, f-m, rounded, poorly sorted, trace silt, cohesive			4.1/5	S	1	0.0			
	gray at 3' bgs						0.0			
	Peat/organic layer, leaves, rods, woody fragments						1.4	1257		
5	SILTY SAND, loose to firm, moist, light brown, f-sand poorly sorted, rounded, silt cohesive			4/5	S	2	0.0			
	SAND, loose, wet, m sand. well sorted						0.0			
	SILTY SAND, firm, dry, gray w/ orange staining, f sand w/ silt, trace clay, cohesive, non plastic						0.0			
10							0.0	1300		
	SAND, loose, dry to moist, light brown, m sand, trace silt						0.0			
	grading to coarse sand, wet poorly sorted			2.8/5	S	3	0.0			
							0.0			
	SILTY SAND						0.0			
	continued next page						0.0	1310		
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
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Form: 00-BLANK.LOG

AECOM

Soil Boring Log (Continued)

Project Name: Camp Hero | Site: DU06 | Hole ID: CH-MW041

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted/Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	light gray, loose to firm, moist, f-m sand, poorly sorted, subrounded, silt, cohesive, not plastic, trace gravel, rounded, non spherical			3.8/5	S	4	0.0			
							0.0			
	denser at 18' bgs, higher % clay, firm						0.0			
							0.0			
20							0.0	1320		
	No recovery sample fell out of core barrel			0/5	S	5				
								1330		
25	SILTY SAND cont, loose to firm, moist to slightly wet, light/dark gray, m sand, poorly sorted, subrounded, silt, cohesive, non plastic, trace gravel, rounded						0.0			
				3/5	S	6	0.0			
	slightly coarser grained, more firm						0.0			
							0.0			
							0.0	1340		
30	TD = 30.0' bgs reached water bearing unit, borehole collapsed to 25' bgs									

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Form: 00-BLANK.LOG

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet) Color Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive) Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

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AECOM
Soil Boring Log

Sheet 1 of 2

Project Name: Camp Hero	Site: DU06	Hole ID: CH-MW042
Project Number: 60443903	*Northing:*	Total Depth (feet): 30'
Drilling Contractor: ADT	*Easting:*	Date / Time Started: 6/5/17 0945
Driller: Dave	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/15/17 1036
Drilling Equipment: Fraste XL	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/15/17 1545
Drilling Method: Roto Sonic Fraste XL	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 5.5	Weather/Comments: cloudy w/ showers, 61°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	grass/organic topsoil									
	SILTY SAND, moist, loose, black to dark brown, f-m sand w/ trace to some silt, poorly sorted			2/5	SR	1	0.0			
	SILTY SAND W/ GRAVEL, moist loose, light reddish brown, f-m sand w/ some to trace gravel, poorly sorted, gravel is rounded and non spherical						0.0			
							0.7			
5								0947		
	wet/moist @ 5-6' bgs						0.0			
	SILTY CLAY, moist/wet, soft, light brown, f sand w/ trace m sand, cohesive, slightly plastic			4.5/5	S	2	0.0			
							0.4			
	SILTY SAND, dry to slightly moist, soft, light brown w/ organe mottling, f sand w/ silt, trace clay, poorly sorted, cohesive, not plastic						0.0			
10							0.0	0950		
	becoming moist at 11' bgs						0.0			
	coarsening (m sand) at 12' bgs trace gravel			4/5	S	3	0.0			
							2.8			
	organe staining, m-c sand, poorly sorted, moist						0.0			
							0.0	1000		
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK.LOG

AECOM

Soil Boring Log (Continued)

Project Name: Camp Hero | Site: DU06 | Hole ID: CH-MW042

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
							0.0			
	SILTY SAND w/CLAY, dry to moist, dense, med brown/orange, m sand, trace gravel, poorly sorted, sand is rounded, non spherical			4.5/5	S	4	0.0			
							0.0			
	becoming stiff & dense, difficult to break open core						0.0	1011		
20										
	SAND, moist to wet, loose, light gray, m. sand, poorly sorted, rounded, trace silt, slightly cohesive, trace amount of gravel.						0.0			
				2.5/5	S	5	0.0			
							0.0			
								1025		
25	Sample fell out of barrel, no recovery									No recovery 25-30' sample fell out of barrel
				0/5	S	6				
								1031		
30	SILTY SAND, stiff, moist to dry, light gray, m-c sand angular to sub rounded, poorly sorted, silt, stiff cohesive but not plastic									
				4.2/5	S	7				
	at bottom, c-vc sand, wet loose, poorly sorted							1036		TD=35.0' reached water bearing unit

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

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Borehole collapsed to 30' bgs

AECOM
Soil Boring Log

Sheet 1 of 2

Project Name: Camp Hero	Site: Motor Pool	Hole ID: CH-MW043
Project Number: 60443903	*Northing:*	Total Depth (feet):
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/6/17 1143
Driller: T. Palomeque	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/6/17 1215
Drilling Equipment: Fraste XL Max	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/6/17 1600
Drilling Method: Roto Sonic	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches): 6	Weather/Comments: overcast, light rain, 53°	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	CONCRETE 1.0'									
	SILT, soft, dry, very dark gray (7.5YR 3/1) 5% fine sand.		ML		~~RS~~ HA		0.0	1143		Ambient PID: 0 ppm
				5.0 / 5.0	RS	(1)	0.0			
							0.0			
							0.0	1155		
5	SILT WITH SAND, soft, dry, dark yellowish brown (10YR 4/4)		ML		RS		0.2			
				4.2 / 5.0		(2)	0.1			
							0.8			
	5% subrounded gravel						1.8	1200		
10	pulverized concrete fragments, powder				RS		0.1			
	SANDY SILT, medium stiff, dry, brown (10YR 4/3) 30% fine sand		ML	4.4 / 5.0		(3)	0.2			
							0.5			
							0.1	1206		
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE1\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LIALIALEI.GPJ, 4/6/10, 15:05

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+))/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM

Soil Boring Log (Continued)

Project Name: Camp Hero | ~~Site: DUH~~ MP MG | Hole ID: GH-~~MW032~~ MW043 MG

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	POORLY GRADED SAND WITH SILT, soft wet, yellowish brown (10YR 5/4), cohesive		SP-SM		RS		0.0			Ambient PID: 0.1 ppm ↓
				5.0/5.0		(4)	0.1			
	pulverized rock fragments grading to SILTY SAND, 25% fines						0.2			
20							0.0	1215		
	TD: 20' bgs									
25										
30										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE1\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI.GPJ, 4/6/10, 15:05

Form: 00-BLANK LOG

USCS Name, Consistency/Density (predominantly fine: very soft {n=0-1}, soft {n=2-4}, medium stiff {n=5-8}, stiff {n=9-15}, very stiff {n=16-30}, hard {n=31+}/predominantly coarse: very loose {n=0-4}, loose {n=5-10}, medium dense {n=11-30}, dense {n=31-50}, very dense {n=51+}). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**

S# = Sample Number, **SD** = Sample Depth, **ST** = Sample Time, **A** = Analysis.

BZ = Breathing Zone, **BG** = Background, **BH** = Borehole, **CB** = Cuttings Bin

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Appendix I2

Well Construction Forms

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WELL CONSTRUCTION LOG (ABOVE GROUND COMPLETION)

Site: Bldg. 203 / DU01	LocID: CH-MW022	Date/Time Started: 6/8/17 0900
Project Name: Camp Hero	Project Number: 60443903	Date/Time Completed: 6/8/17 0935
Drilling Contractor: Cascade	Drilling Equipment: Fraste XL Max	Logged By: M. Glinski
Driller: T. Palomeque	Borehole Diameter (in.): 6	Checked By:

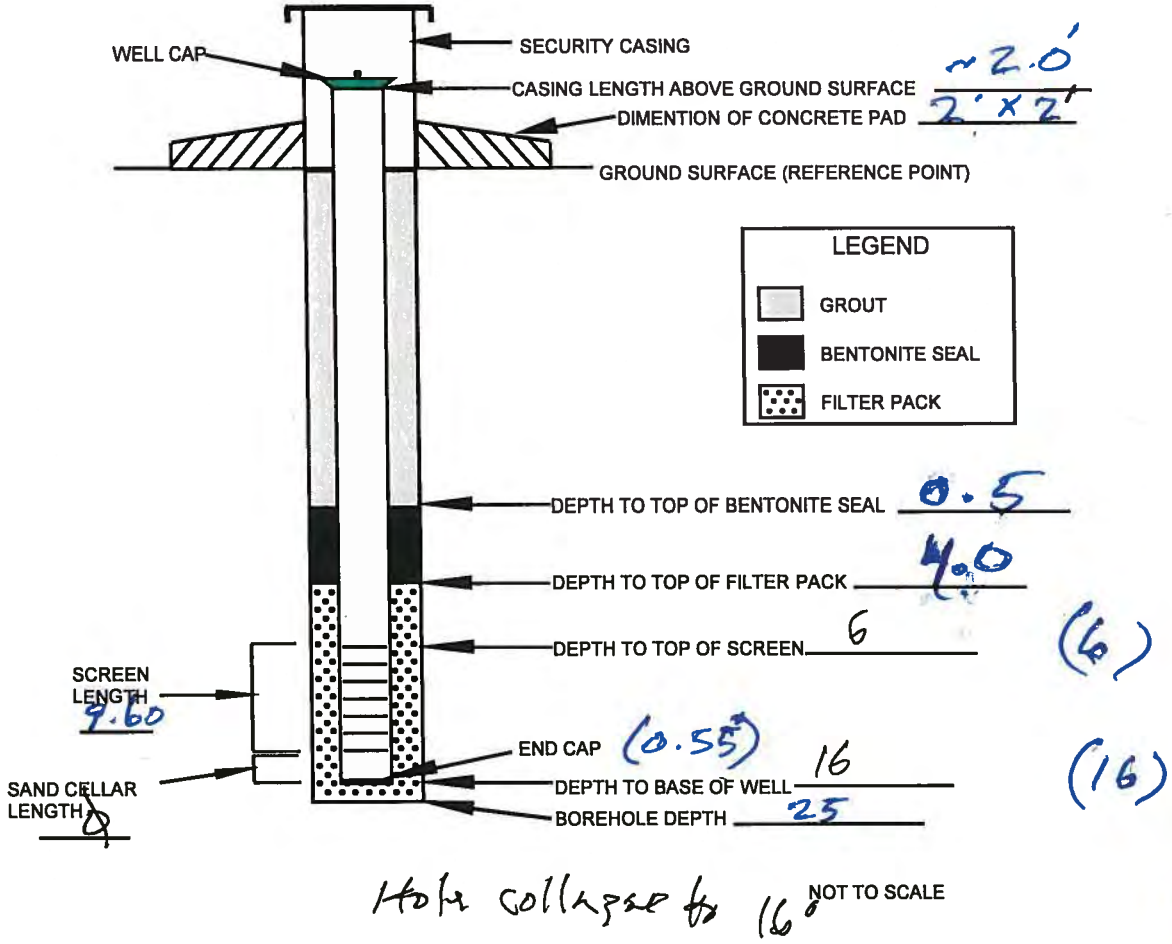
FILTER PACK
Type & Size of Filter Pack: #2
Amount of Filter Pack Used (lbs): 200
Filter Pack Manufacturer: Filpro

BENTONITE SEAL
Type & Size of Bentonite: medium chips
Amount of Bentonite Used (lbs): 45
Bentonite Manufacturer: Cetco

GROUT
Type of Cement: NA
Cement Manufacturer: NA
Amount of Cement Used (lbs):
Bentonite Powder Type:
Bentonite Powder Manufacturer: NA
Amount of Bentonite Powder Used (lbs):

WELL DETAILS
Screen/Casing Diameter (in): 2
Screen Material/Manufactuer: Sch 40 PVC
Screened Interval (ft):
Depth to Water (ft): 7.25' BTOC (1200)
Water Added During Construction (gal): <5
Casing Material/Manufactuer: Sch 40 PVC
Type of Well Cap/Manufactuer: compression / hole product
Type of End Cap/Manufactuer: Threaded PVC
Dimensions of Security Casing: 4" diameter ~3' height

SPECIAL CONDITIONS (describe and draw)



WELL CONSTRUCTION LOG (ABOVE GROUND COMPLETION)

Site: DU01	**LocID:** CH-MW023	Date/Time Started: 6/8/17 1100
Project Name: camp Hero	Project Number: 60443903	Date/Time Completed: 6/8/17 1130
Drilling Contractor: Cascade	Drilling Equipment: Frasty XL Max	Logged By: M. Glinski
Driller: T. Palomeque	Borehole Diameter (in.): 6	Checked By:

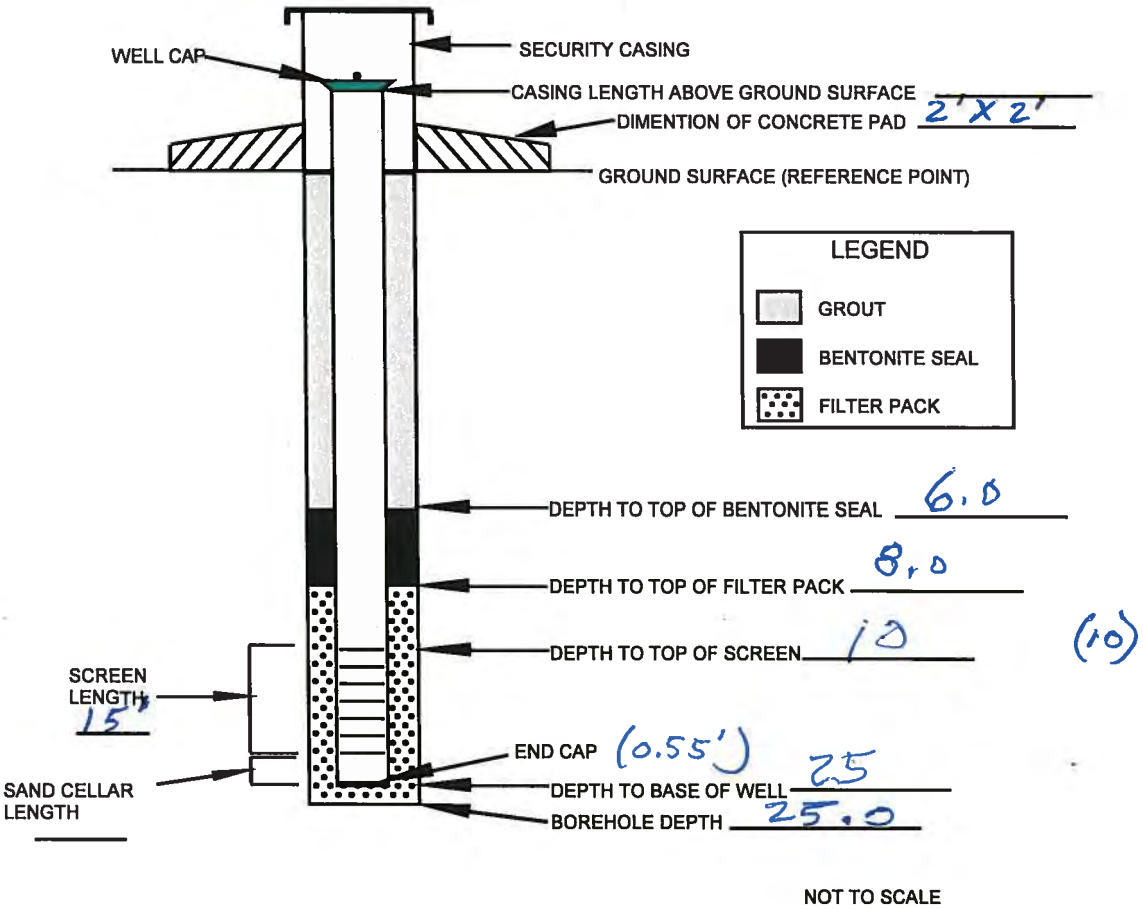
FILTER PACK
- Type & Size of Filter Pack: WP #2
- Amount of Filter Pack Used (lbs): 300
- Filter Pack Manufacturer: US Silica Filpro

BENTONITE SEAL
- Type & Size of Bentonite: medium chips
- Amount of Bentonite Used (lbs): 30
- Bentonite Manufacturer: Cetco

GROUT
- Type of Cement: Portland I/II
- Cement Manufacturer: Sakrete
- Amount of Cement Used (lbs): 25
- Bentonite Powder Type:
- Bentonite Powder Manufacturer:
- Amount of Bentonite Powder Used (lbs):

WELL DETAILS
- Screen/Casing Diameter (in): 2
- Screen Material/Manufactuer: Sch 40 PVC
- Screened Interval (ft):
- Depth to Water (ft): 5.16' BTOC (1255)
- Water Added During Construction (gal): 20
- Casing Material/Manufactuer: Sch 40 PVC
- Type of Well Cap/Manufactuer: compression / hole prod.
- Type of End Cap/Manufactuer: threaded PVC
- Dimensions of Security Casing: 4" diameter ~3' height

SPECIAL CONDITIONS
(describe and draw)



NOT TO SCALE

WELL CONSTRUCTION LOG (ABOVE GROUND COMPLETION)

Site:	AST 35 / FPH	LocID:	CH-MW02H	Date/Time Started:	6/12/17 1145
Project Name:	Camp Hero	Project Number:	60443903	Date/Time Completed:	6/12/17 1225
Drilling Contractor:	Cascade	Drilling Equipment:	Geoprobe 6620DT	Logged By:	M. Glinski
Driller:	E. Pope	Borehole Diameter (in.):	3.25	Checked By:	

FILTER PACK

Type & Size of Filter Pack: Pre-packed screen
Filter Pack Manufacturer: _____
Amount of Filter Pack Used (lbs): Pre-packed

BENTONITE SEAL

Type & Size of Bentonite: granular
Bentonite Manufacturer: Cetco
Amount of Bentonite Used (lbs): 5

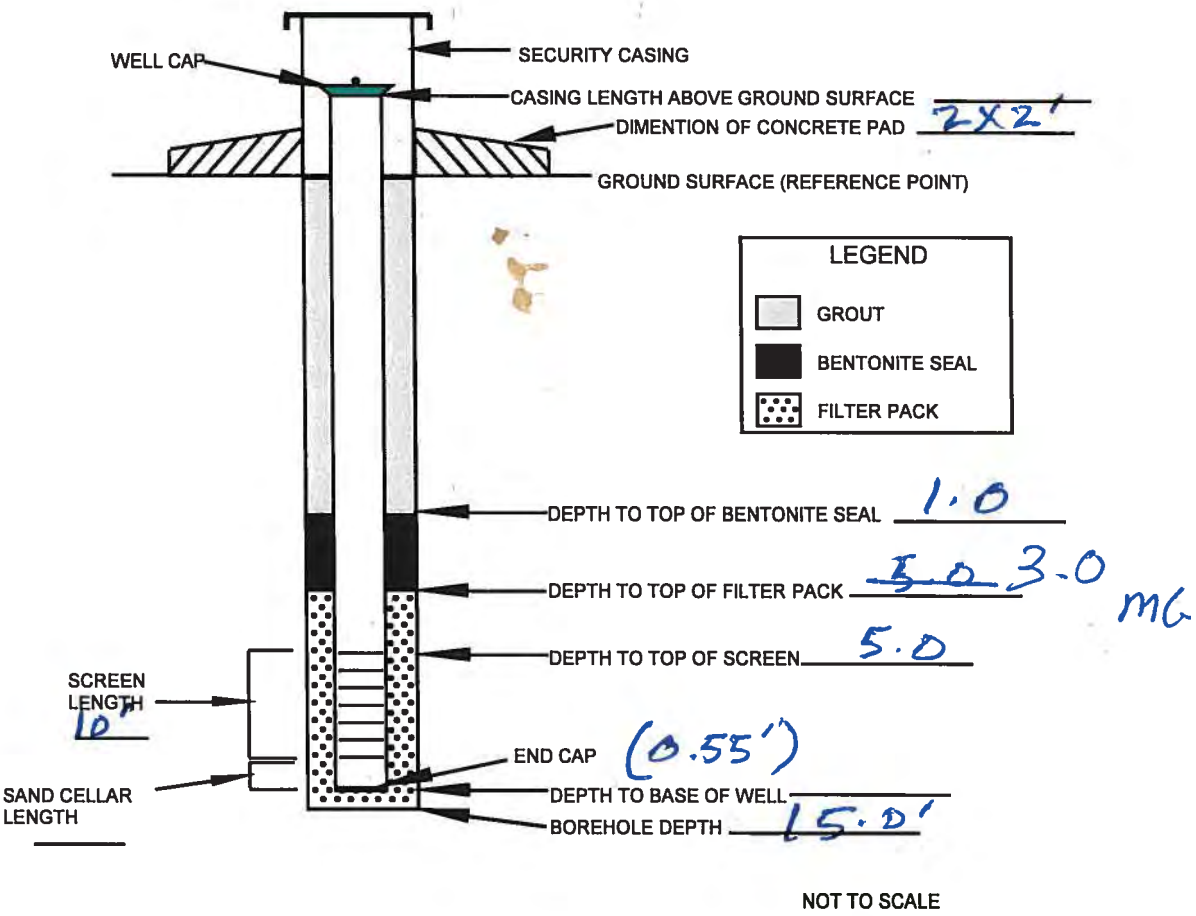
GROUT

Type of Cement: Quikrete No. 1004
Bentonite Powder Type: _____
Cement Manufacturer: _____
Bentonite Powder Manufacturer: _____
Amount of Cement Used (lbs): _____
Amount of Bentonite Powder Used (lbs): _____

WELL DETAILS

Screen/Casing Diameter (in): 2
Casing Material/Manufactuer: Sch 40 PVC
Screen Material/Manufactuer: Sched. 40 PVC
Type of Well Cap/Manufactuer: compression / hole product
Screened Interval (ft): _____
Type of End Cap/Manufactuer: Threaded PVC
Depth to Water (ft): _____
Dimensions of Security Casing: _____
Water Added During Construction (gal): 8

SPECIAL CONDITIONS
(describe and draw)



NOT TO SCALE

WELL CONSTRUCTION LOG (ABOVE GROUND COMPLETION)

Site: DU01	**LocID:** CH-MW025	Date/Time Started: 6/7/17 1325
Project Name: Camp Hero	Project Number: 60443903	Date/Time Completed: 6/7/17 1350
Drilling Contractor: ADT	Drilling Equipment: Fraste XL	Logged By: A. Boden
Driller: D. Moon	Borehole Diameter (in.): 5.5	Checked By:

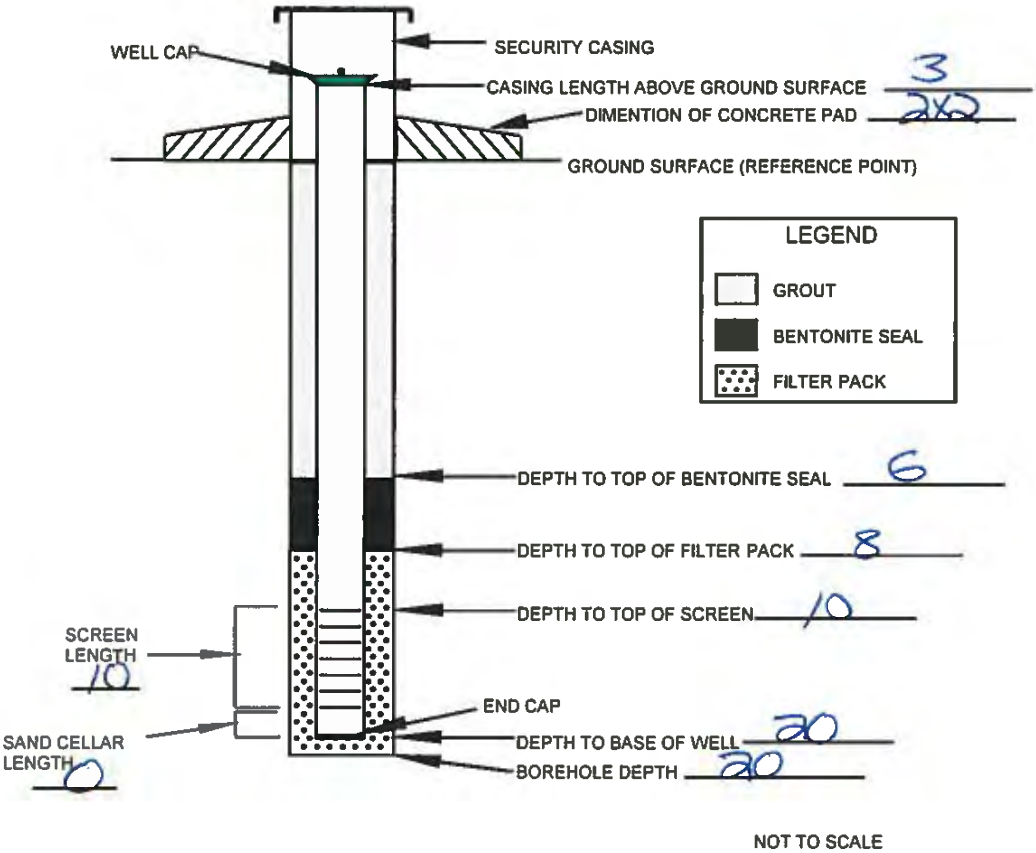
FILTER PACK
- Type & Size of Filter Pack: Filpro #2
- Filter Pack Manufacturer: US Silica
- Amount of Filter Pack Used (lbs): 200

BENTONITE SEAL
- Type & Size of Bentonite: PureGold med chips
- Bentonite Manufacturer: Cetco
- Amount of Bentonite Used (lbs): 30

GROUT
- Type of Cement: Portland Type I/II
- Bentonite Powder Type: 30/50 mesh granular
- Cement Manufacturer: Lehigh
- Bentonite Powder Manufacturer: Cetco
- Amount of Cement Used (lbs): 90
- Amount of Bentonite Powder Used (lbs): 1

WELL DETAILS
- Screen/Casing Diameter (in): 2"
- Casing Material/Manufactuer: PVC
- Screen Material/Manufactuer: PVC
- Type of Well Cap/Manufactuer: Plug
- Screened Interval (ft): 10
- Type of End Cap/Manufactuer: sump
- Depth to Water (ft):
- Dimensions of Security Casing: 2x2
- Water Added During Construction (gal): 0

SPECIAL CONDITIONS
(describe and draw)



NOT TO SCALE

WELL CONSTRUCTION LOG (FLUSH MOUNT COMPLETION)

Site: STB	LocID: CH-MW026	Date/Time Started: 6/5/17 1005
Project Name: Camp Hero	Project Number: 60443903	Date/Time Completed: 6/5/17 1640
Drilling Contractor: Cascade	Drilling Equipment: Fraste XL MaX	Logged By:
Driller: Tony Palomeque	Borehole Diameter (in.):	Checked By:

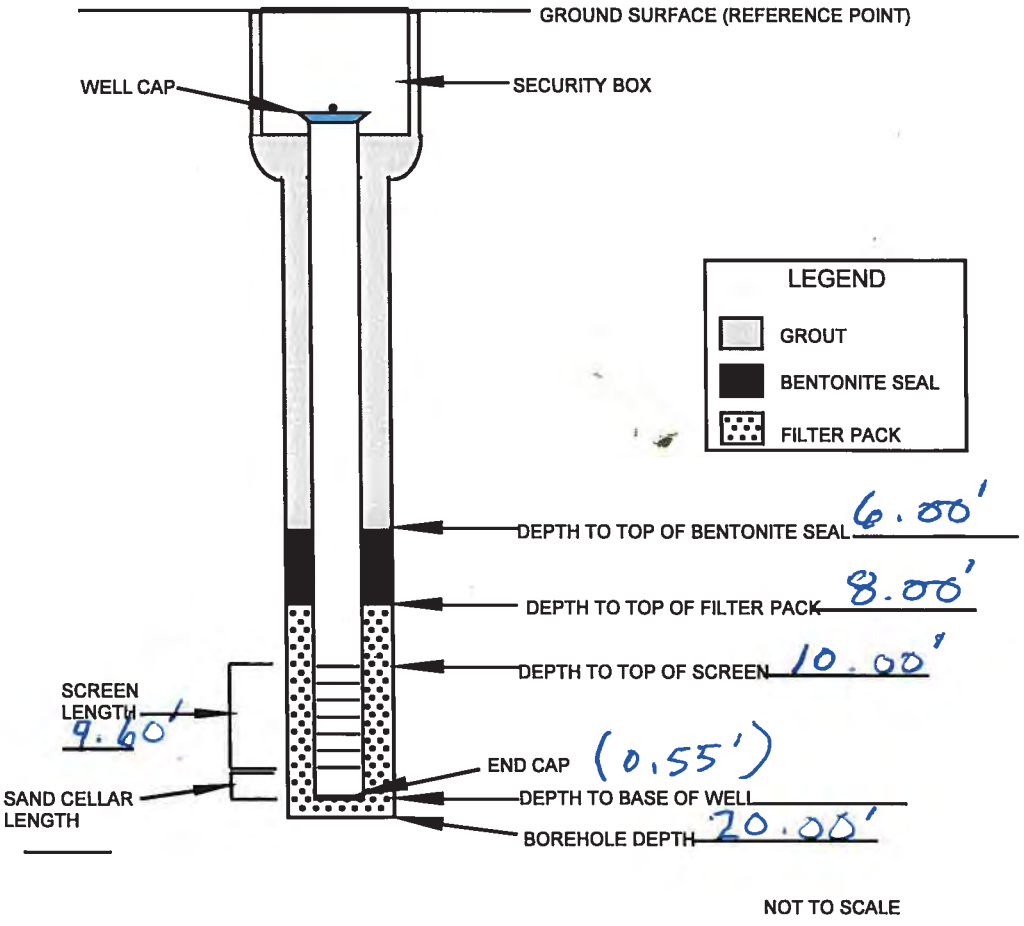
FILTER PACK
Type & Size of Filter Pack: WG #2
Filter Pack Manufacturer: US Silica (FilPro)
Amount of Filter Pack Used (lbs): 80

BENTONITE SEAL
Type & Size of Bentonite: medium chips
Bentonite Manufacturer: Cetco Poregold
Amount of Bentonite Used (lbs): 25

GROUT
Type of Cement: Portland I/II
Bentonite Powder Type:
Cement Manufacturer: Lehigh
Bentonite Powder Manufacturer:
Amount of Cement Used (lbs): 25
Amount of Bentonite Powder Used (lbs): 0

WELL DETAILS
Screen/Casing Diameter (in): 2
Casing Material/Manufactuer: Sch 40 PVC
Screen Material/Manufactuer: Sch 40 PVC
Type of Well Cap/Manufactuer:
Screened Interval (ft):
Type of End Cap/Manufactuer: Threaded PVC
Depth to Water (ft):
Dimensions of Security Box:
Water Added During Construction (gal): 40

SPECIAL CONDITIONS
(describe and draw)



NOT TO SCALE

WELL CONSTRUCTION LOG (FLUSH MOUNT COMPLETION)

Site: STB	LocID: CH-MW027	Date/Time Started: 6/5/17 1400
Project Name: Camp Hero	Project Number: 60443903	Date/Time Completed: 6/5/17 1650
Drilling Contractor: Cascade	Drilling Equipment: Fraste XL MaX	Logged By: M. Glinski
Driller: Tony Palomeque	Borehole Diameter (in.): 6	Checked By:

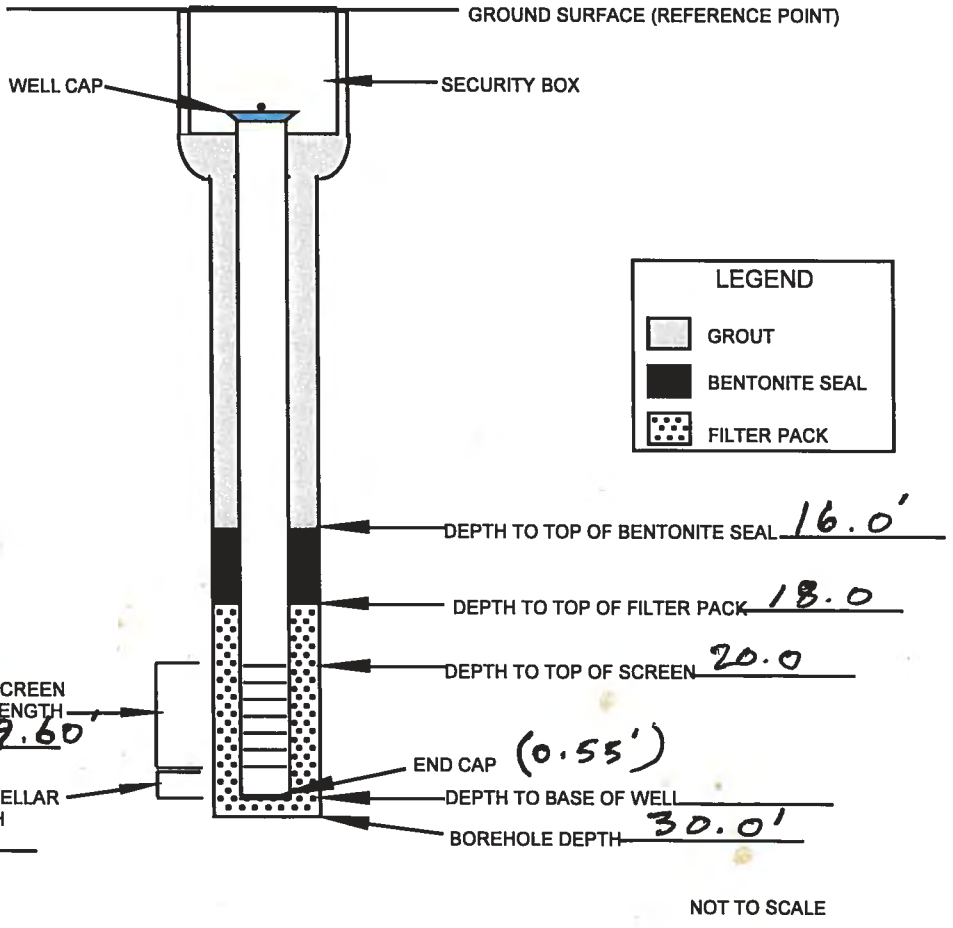
FILTER PACK
Type & Size of Filter Pack: WG #2
Amount of Filter Pack Used (lbs): 200
Filter Pack Manufacturer: US Silica

BENTONITE SEAL
Type & Size of Bentonite: medium chips
Amount of Bentonite Used (lbs): 25
Bentonite Manufacturer: Cetgo Puregold

GROUT
Type of Cement: Portland I/II
Cement Manufacturer: Lehigh
Amount of Cement Used (lbs): 94 lb.
Bentonite Powder Type:
Bentonite Powder Manufacturer:
Amount of Bentonite Powder Used (lbs): 10

WELL DETAILS
Screen/Casing Diameter (in): 2
Screen Material/Manufactuer: Sch 40 PVC
Screened Interval (ft):
Depth to Water (ft):
Water Added During Construction (gal): ~~40~~ ~30
Casing Material/Manufactuer: Sch 40 PVC
Type of Well Cap/Manufactuer:
Type of End Cap/Manufactuer: Threaded PVC
Dimensions of Security Box:

SPECIAL CONDITIONS
(describe and draw)



WELL CONSTRUCTION LOG (FLUSH MOUNT COMPLETION)

Site: STB	LocID: CH-MW028	Date/Time Started: 6/5/17 1145
Project Name: CAMP HERO	Project Number: 60443903	Date/Time Completed: 6/5/17 1330
Drilling Contractor: Cascade	Drilling Equipment: Fraste XL Max	Logged By: M. Glinski
Driller: Tony Polomeque	Borehole Diameter (in.): 6	Checked By:

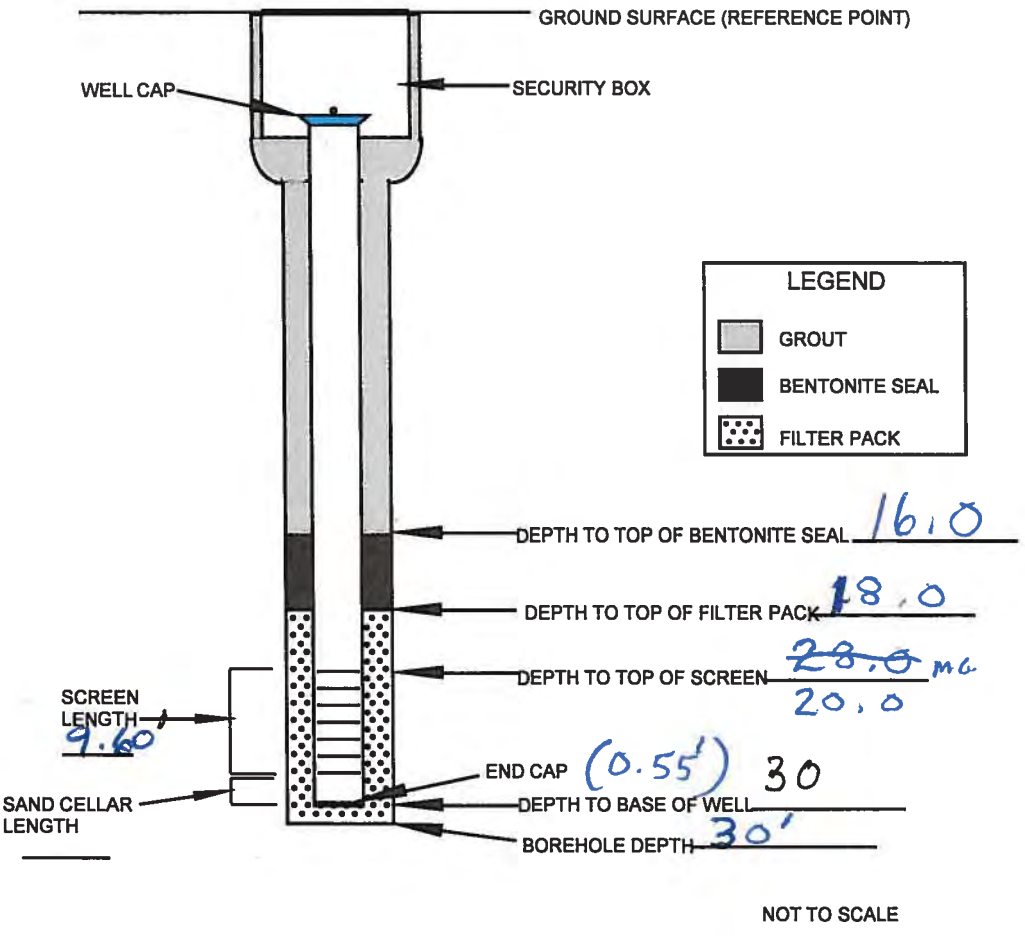
FILTER PACK
Type & Size of Filter Pack: WG #2
Filter Pack Manufacturer: US Silica
Amount of Filter Pack Used (lbs): 200

BENTONITE SEAL
Type & Size of Bentonite: medium chips
Bentonite Manufacturer: Cetco Pureguld
Amount of Bentonite Used (lbs): 25

GROUT
Type of Cement: Portland I/II
Bentonite Powder Type:
Cement Manufacturer: Lehigh
Bentonite Powder Manufacturer:
Amount of Cement Used (lbs): 94 lb.
Amount of Bentonite Powder Used (lbs): 10

WELL DETAILS
Screen/Casing Diameter (in): 2
Casing Material/Manufactuer: Sch 40 PVC
Screen Material/Manufactuer: Sch 40 PVC
Type of Well Cap/Manufactuer:
Screened Interval (ft):
Type of End Cap/Manufactuer: Threaded PVC
Depth to Water (ft):
Dimensions of Security Box:
Water Added During Construction (gal): 35

SPECIAL CONDITIONS
(describe and draw)



NOT TO SCALE

WELL CONSTRUCTION LOG (~~FLUSH MOUNT~~ ABOVE GROUND COMPLETION)

Site: DU17	LocID: CH-MW029	Date/Time Started: 6/6/17 0820
Project Name: Camp Hero	Project Number: 60443903	Date/Time Completed: 6/6/17 0855
Drilling Contractor: Cascade	Drilling Equipment: Fraste XL Max	Logged By: M. Glinski
Driller: T. Palomeque	Borehole Diameter (in.): 6	Checked By:

FILTER PACK
Type & Size of Filter Pack: WP #2
Filter Pack Manufacturer: Fil Pro
Amount of Filter Pack Used (lbs): 100

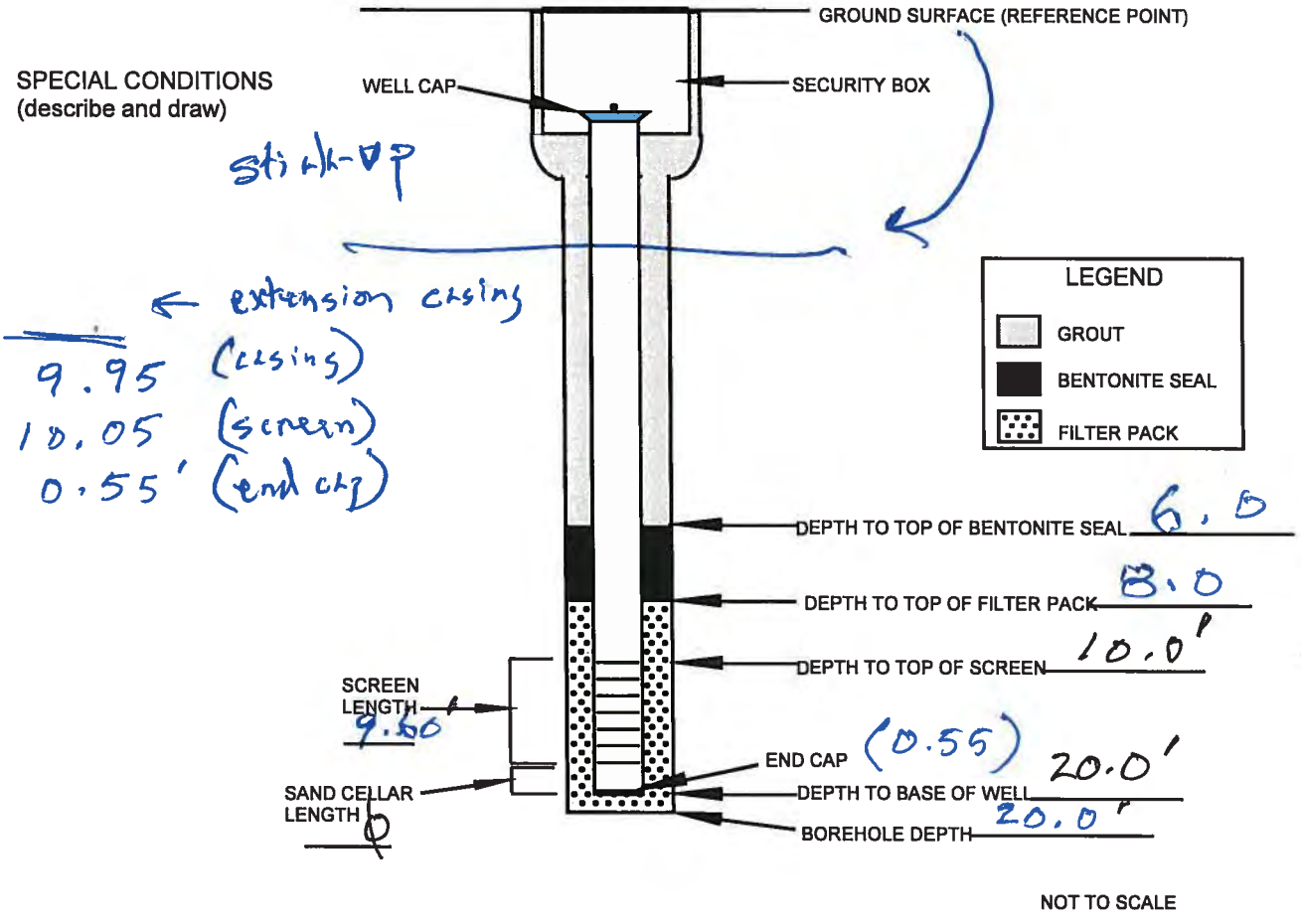
BENTONITE SEAL
Type & Size of Bentonite: medium chips
Bentonite Manufacturer: Cetco
Amount of Bentonite Used (lbs): 25

GROUT
Type of Cement: Portland I/II
Bentonite Powder Type: C/S Granular
Cement Manufacturer: Lehigh
Bentonite Powder Manufacturer: Cetco
Amount of Cement Used (lbs): 25
Amount of Bentonite Powder Used (lbs): 5

WELL DETAILS
Screen/Casing Diameter (in): 2
Casing Material/Manufactuer: Sch 40 PVC
Screen Material/Manufactuer: Sch 40 PVC
Type of Well Cap/Manufactuer:
Screened Interval (ft):
Type of End Cap/Manufactuer: Threaded PVC
Depth to Water (ft):
Dimensions of Security Box: 4" diameter ~ 3' height
Water Added During Construction (gal): 25

SPECIAL CONDITIONS (describe and draw)

stick-up



NOT TO SCALE

WELL CONSTRUCTION LOG (FLUSH MOUNT COMPLETION)

Site: DU12	**LocID:** CH-MW030	Date/Time Started: 6/6/17 0840
Project Name: Camp Hero	Project Number: 60443903	Date/Time Completed: 6/6/17 0910
Drilling Contractor: ADT	Drilling Equipment: Fraste XL	Logged By: A. Borden
Driller: Dave Moon	Borehole Diameter (in.): 5.5	Checked By:

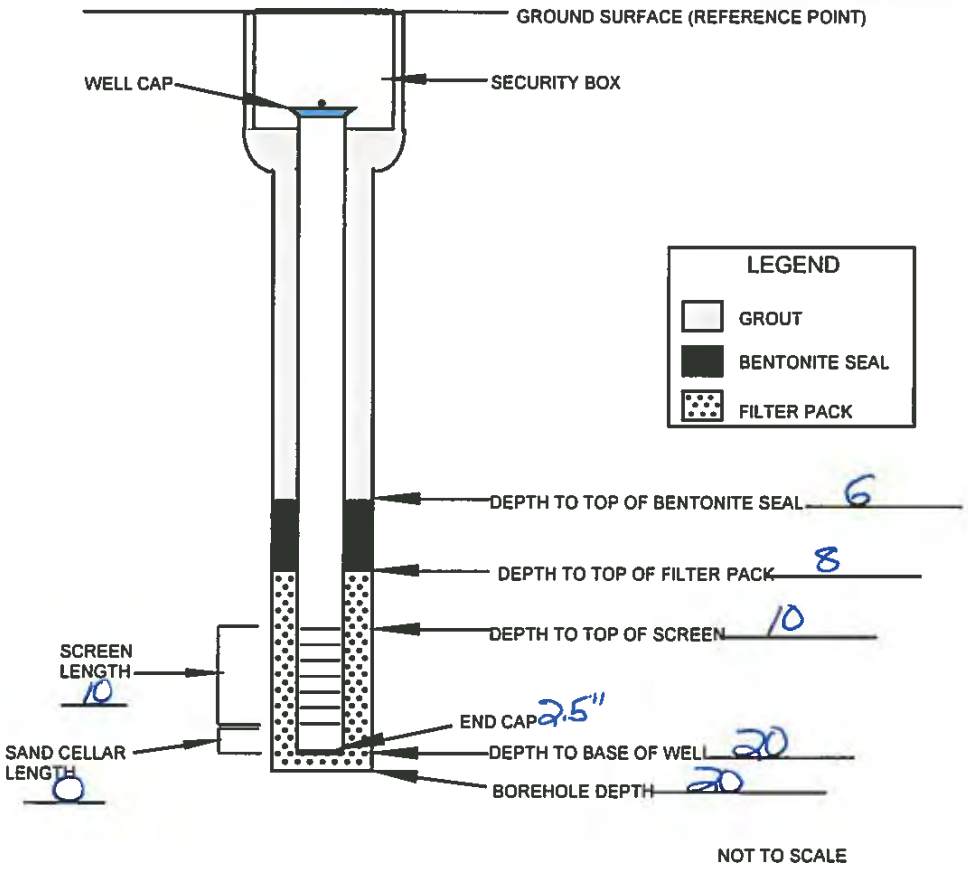
FILTER PACK
- Type & Size of Filter Pack: Filpro #2
- Filter Pack Manufacturer: US Silica
- Amount of Filter Pack Used (lbs): 200

BENTONITE SEAL
- Type & Size of Bentonite: PureGold med chips
- Bentonite Manufacturer: Cetco
- Amount of Bentonite Used (lbs): 30

GROUT
- Type of Cement: Portland Type I/II
- Bentonite Powder Type: 30-50 mesh granular
- Cement Manufacturer: Lehigh
- Bentonite Powder Manufacturer: Cetco
- Amount of Cement Used (lbs): 15
- Amount of Bentonite Powder Used (lbs): 2

WELL DETAILS
- Screen/Casing Diameter (in): 2"
- Casing Material/Manufactuer: PVC
- Screen Material/Manufactuer: PVC
- Type of Well Cap/Manufactuer: Plug
- Screened Interval (ft): 10'
- Type of End Cap/Manufactuer: sump PVC
- Depth to Water (ft):
- Dimensions of Security Box: 2x2'
- Water Added During Construction (gal): 0

SPECIAL CONDITIONS
(describe and draw)



WELL CONSTRUCTION LOG (ABOVE GROUND COMPLETION)

Site:	DU14	**LocID:**	CH-MW031	Date/Time Started:	6/7/17 1035
Project Name:	Camp Hero	Project Number:	60443903	Date/Time Completed:	6/7/17 1105
Drilling Contractor:	ADT	Drilling Equipment:	Fraste XL	Logged By:	A. Borden
Driller:	Dave Mann	Borehole Diameter (in.):	5.5	Checked By:	

FILTER PACK

Type & Size of Filter Pack: Filpro #2 — Filter Pack Manufacturer: US Silica

Amount of Filter Pack Used (lbs): 250

BENTONITE SEAL

Type & Size of Bentonite: Pure Gold — Bentonite Manufacturer: Cetco

Amount of Bentonite Used (lbs): 40

GROUT

Type of Cement: Portland Type I/II — Bentonite Powder Type: 30-50 granular mesh

Cement Manufacturer: Lehigh — Bentonite Powder Manufacturer: Cetco

Amount of Cement Used (lbs): — Amount of Bentonite Powder Used (lbs): —

WELL DETAILS

Screen/Casing Diameter (in): 2" — Casing Material/Manufactuer: PVC

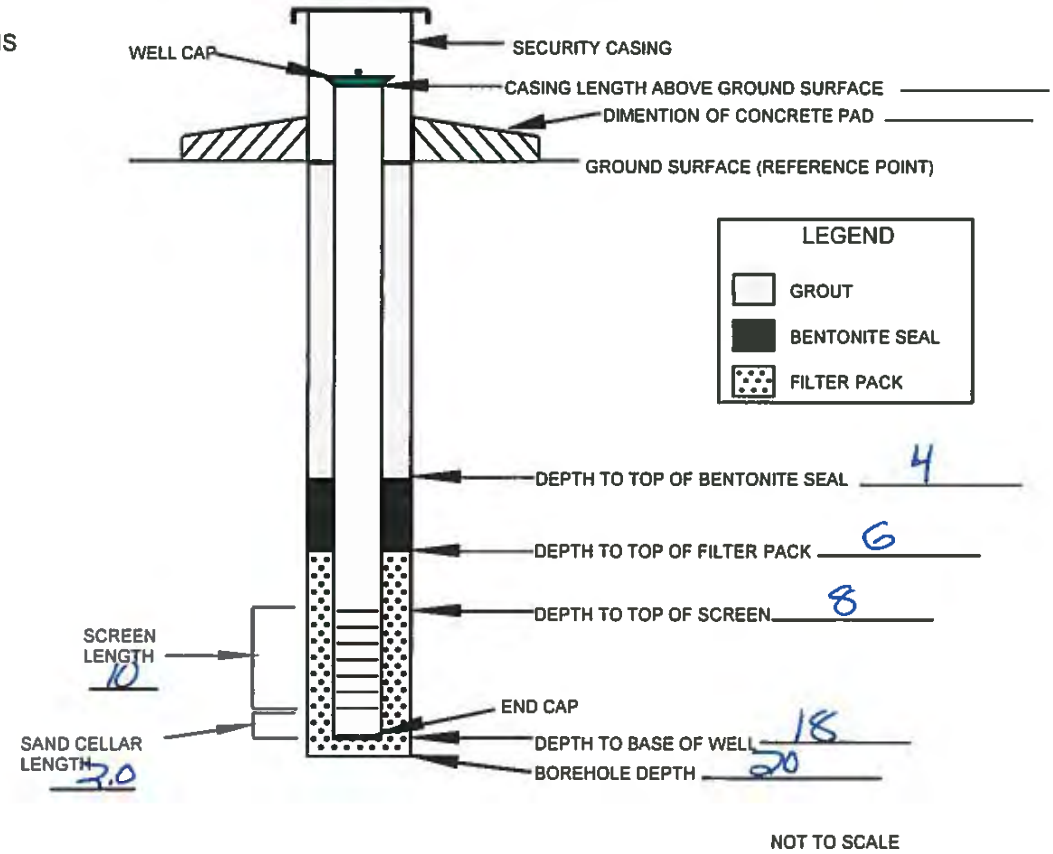
Screen Material/Manufactuer: PVC — Type of Well Cap/Manufactuer: Plug

Screened Interval (ft): 10' — Type of End Cap/Manufactuer: sump

Depth to Water (ft): — Dimensions of Security Casing: 8x8

Water Added During Construction (gal): 0

SPECIAL CONDITIONS
(describe and draw)



NOT TO SCALE

WELL CONSTRUCTION LOG (ABOVE GROUND COMPLETION)

Site: DU 11	LocID: CH-MW032	Date/Time Started: 6/6/17 1345
Project Name: Camp Hero	Project Number: 60443903	Date/Time Completed: 6/6/17 1620
Drilling Contractor: Cascade	Drilling Equipment: Fraste XL Max	Logged By: M. Glinski
Driller: T. Palomeque	Borehole Diameter (in.): 6	Checked By:

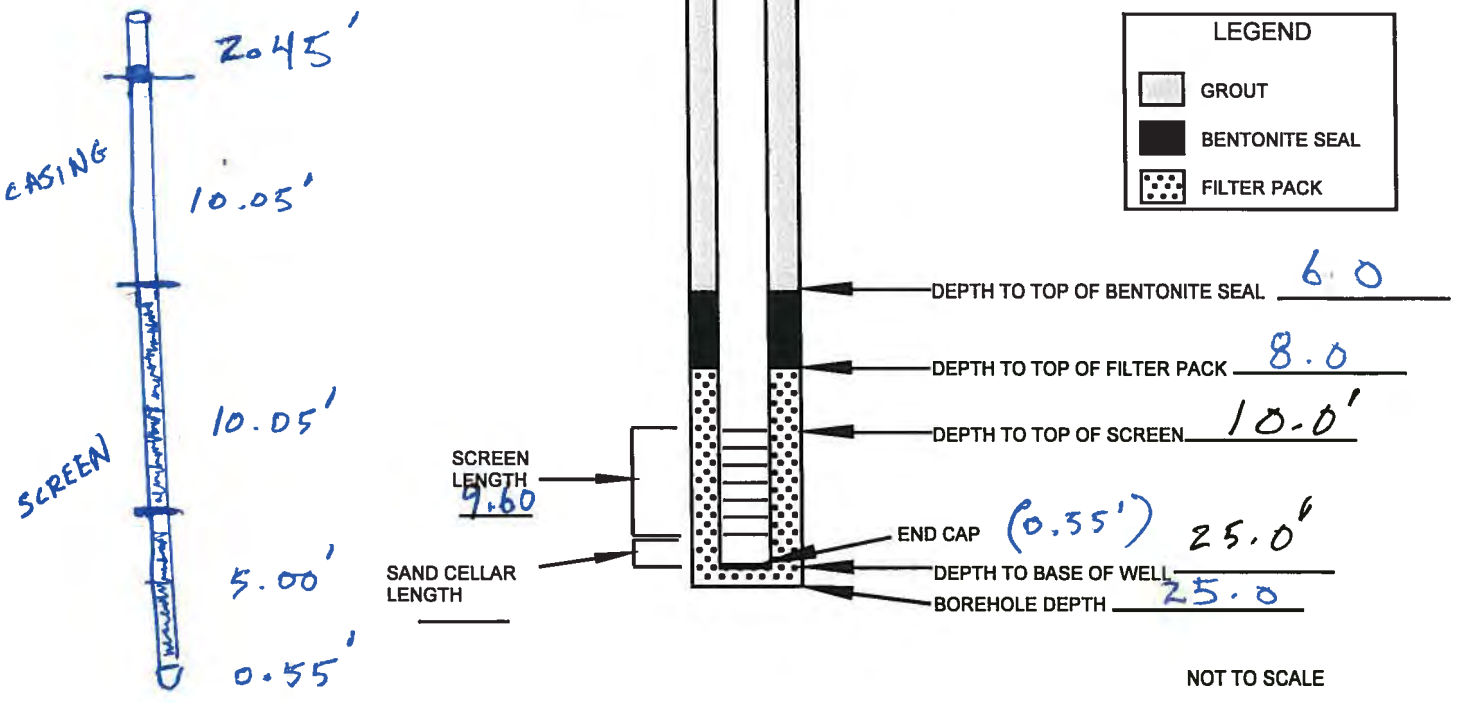
FILTER PACK
Type & Size of Filter Pack: WP #2
Amount of Filter Pack Used (lbs): 250
Filter Pack Manufacturer: Filpro

BENTONITE SEAL
Type & Size of Bentonite: medium chips
Amount of Bentonite Used (lbs): 25 lb
Bentonite Manufacturer: Cetco

GROUT
Type of Cement: Portland I/II
Cement Manufacturer: Lehigh
Amount of Cement Used (lbs): 25
Bentonite Powder Type: c/s Granular
Bentonite Powder Manufacturer: Cetco
Amount of Bentonite Powder Used (lbs): 10

WELL DETAILS
Screen/Casing Diameter (in): 2
Screen Material/Manufactuer: Sch 40 PVC
Screened Interval (ft):
Depth to Water (ft):
Water Added During Construction (gal): 40
Casing Material/Manufactuer: Sch 40 PVC
Type of Well Cap/Manufactuer: compression
Type of End Cap/Manufactuer: Threaded PVC
Dimensions of Security Casing: 4" diameter ~3' height

SPECIAL CONDITIONS (describe and draw)



WELL CONSTRUCTION LOG (ABOVE GROUND COMPLETION)

Site: DU II	LocID: CH-MW033	Date/Time Started: 6/6/17 1010
Project Name: Camptiero Phase III	Project Number: 60443903	Date/Time Completed: 6/6/17 1055
Drilling Contractor: Cascade	Drilling Equipment: Frasta XL Max	Logged By: M. Glinski
Driller: T. Palomeque	Borehole Diameter (in.): 6	Checked By:

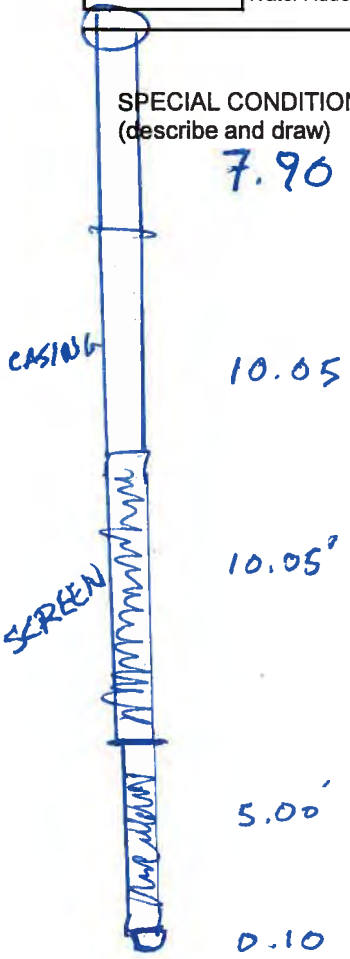
FILTER PACK
- Type & Size of Filter Pack: WP #2
- Amount of Filter Pack Used (lbs): 250
- Filter Pack Manufacturer: Filpro

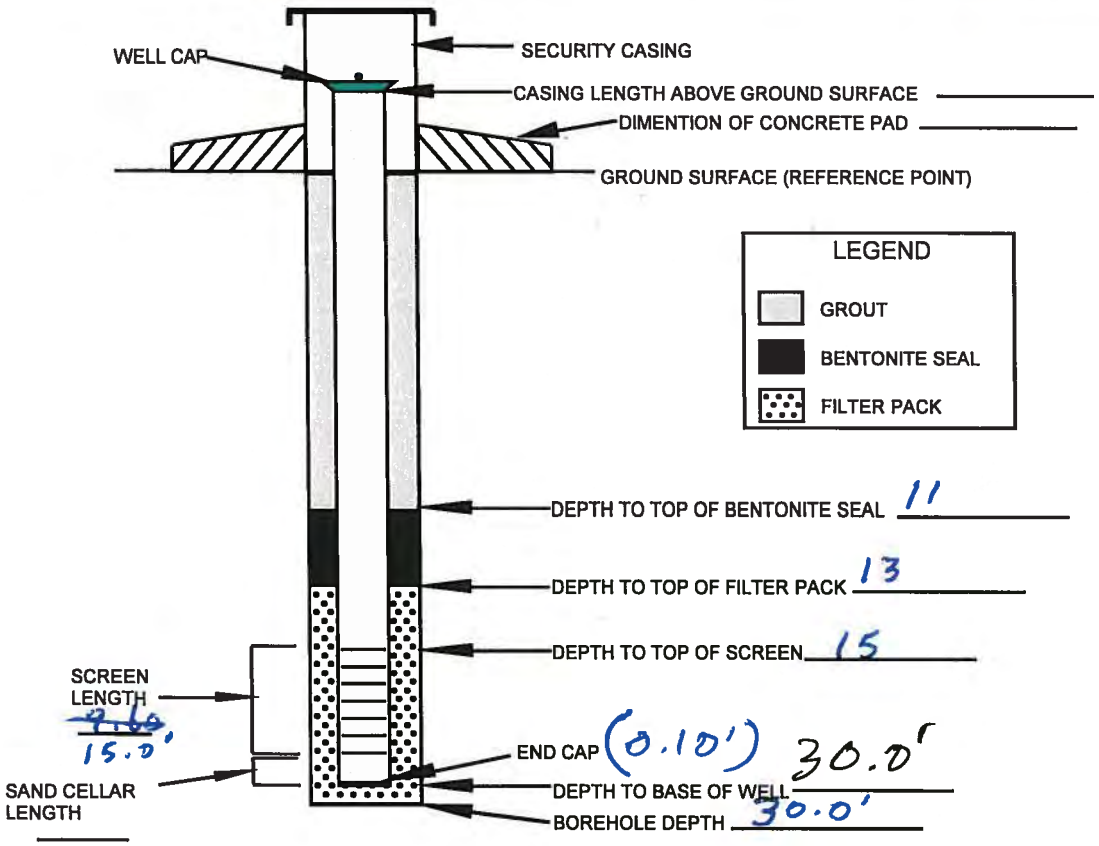
BENTONITE SEAL
- Type & Size of Bentonite: medium chips
- Amount of Bentonite Used (lbs): 25
- Bentonite Manufacturer: Cetco

GROUT
- Type of Cement: Portland I/II
- Cement Manufacturer: Lehigh
- Amount of Cement Used (lbs): 25
- Bentonite Powder Type: C/S Granular
- Bentonite Powder Manufacturer: Cetco
- Amount of Bentonite Powder Used (lbs): 10

WELL DETAILS
- Screen/Casing Diameter (in): 2
- Screen Material/Manufactuer: Sch 40 PVC
- Screened Interval (ft):
- Depth to Water (ft):
- Water Added During Construction (gal): 40
- Casing Material/Manufactuer: Sch 40 PVC
- Type of Well Cap/Manufactuer: hole products
- Type of End Cap/Manufactuer: Threaded PVC
- Dimensions of Security Casing: 4" diameter ~3' height

SPECIAL CONDITIONS (describe and draw)





NOT TO SCALE

WELL CONSTRUCTION LOG (ABOVE GROUND COMPLETION)

Site: DU13	**LocID:** CH-MW034	Date/Time Started: 6/6/17 1510
Project Name: CAMP HERO	Project Number: 60443903	Date/Time Completed: 6/6/17
Drilling Contractor: Cascade	Drilling Equipment: Fraste XL	Logged By: A. Borden
Driller: Dave Moon	Borehole Diameter (in.): 5.5	Checked By:

FILTER PACK

Type & Size of Filter Pack: Filpro #2 — Filter Pack Manufacturer: US Silica

Amount of Filter Pack Used (lbs): 275

BENTONITE SEAL

Type & Size of Bentonite: Pure Gold Med chips — Bentonite Manufacturer: Cetco

Amount of Bentonite Used (lbs): 35

GROUT

Type of Cement: Portland Type I/II — Bentonite Powder Type: 30-50 mesh granular

Cement Manufacturer: Lehigh — Bentonite Powder Manufacturer: Cetco

Amount of Cement Used (lbs): 94 — Amount of Bentonite Powder Used (lbs): 25

WELL DETAILS

Screen/Casing Diameter (in): 2 — Casing Material/Manufactuer: PVC

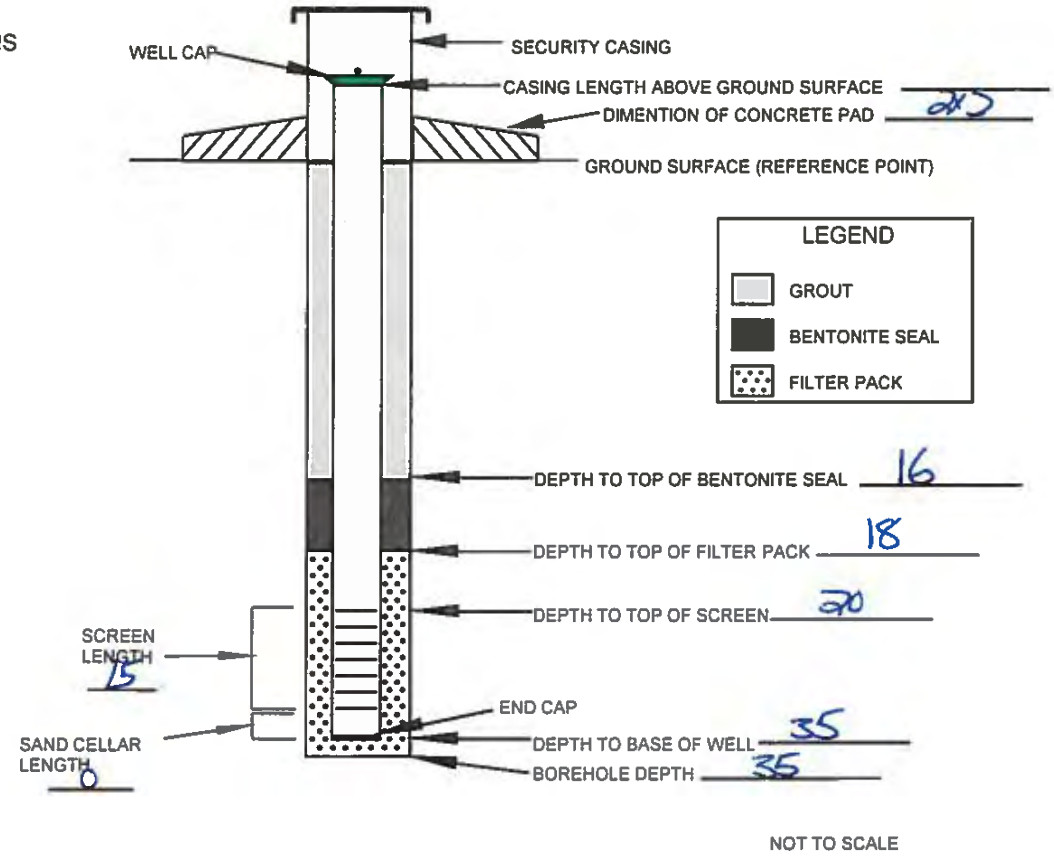
Screen Material/Manufactuer: PVC — Type of Well Cap/Manufactuer: Plug

Screened Interval (ft): 15 — Type of End Cap/Manufactuer: Sump

Depth to Water (ft): — Dimensions of Security Casing:

Water Added During Construction (gal):

SPECIAL CONDITIONS
(describe and draw)



WELL CONSTRUCTION LOG (ABOVE GROUND COMPLETION)

AVB 6/6/17

Site: ~~Camp Her~~ DU13	LocID: CH-MW035	Date/Time Started: 6/6/17 1225
Project Name: CAMP HERO	Project Number: 60443903	Date/Time Completed: 6/6/17 1310
Drilling Contractor: Cascade	Drilling Equipment: Fraste XL	Logged By: A. Borden
Driller: Dave Moon	Borehole Diameter (in.): 5.5	Checked By:

FILTER PACK

Type & Size of Filter Pack: Filpro #2 — Filter Pack Manufacturer: US Silica

Amount of Filter Pack Used (lbs): 300

BENTONITE SEAL

Type & Size of Bentonite: Pure Gold med chips — Bentonite Manufacturer: Cetco

Amount of Bentonite Used (lbs): 20

GROUT

Type of Cement: Portland Type I/II — Bentonite Powder Type: 30-50 mesh granular

Cement Manufacturer: Lehigh — Bentonite Powder Manufacturer: Cetco

Amount of Cement Used (lbs): 94 — Amount of Bentonite Powder Used (lbs): 90

WELL DETAILS

Screen/Casing Diameter (in): 2 — Casing Material/Manufactuer: PVC

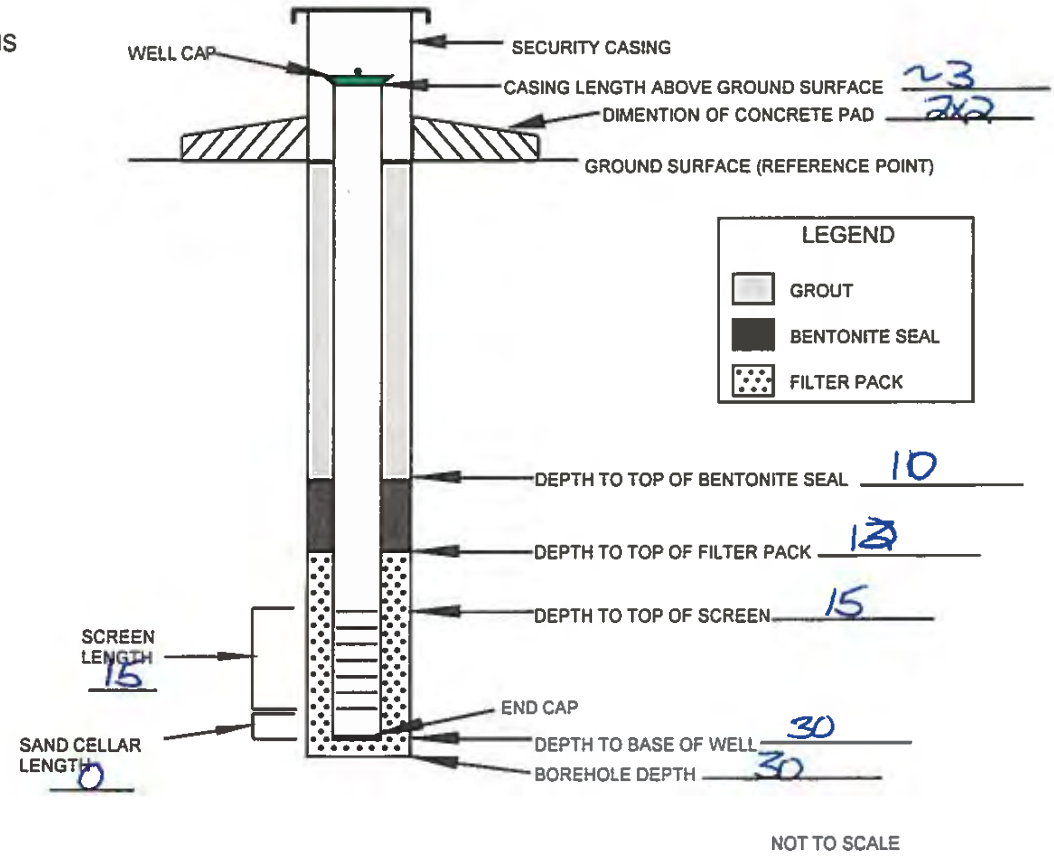
Screen Material/Manufactuer: PVC — Type of Well Cap/Manufactuer: plug

Screened Interval (ft): 15 — Type of End Cap/Manufactuer: sump PVC

Depth to Water (ft): _____ — Dimensions of Security Casing: 2x2

Water Added During Construction (gal): 0

SPECIAL CONDITIONS
(describe and draw)



NOT TO SCALE

WELL CONSTRUCTION LOG (FLUSH MOUNT COMPLETION)

Site: DU08	LocID: CH-MW036	Date/Time Started: 6/9/17 0835
Project Name: Camp Haro	Project Number:	Date/Time Completed: 6/9/17 0900
Drilling Contractor: Cascade	Drilling Equipment:	Logged By: M. Glinski
Driller:	Borehole Diameter (in.): 6	Checked By:

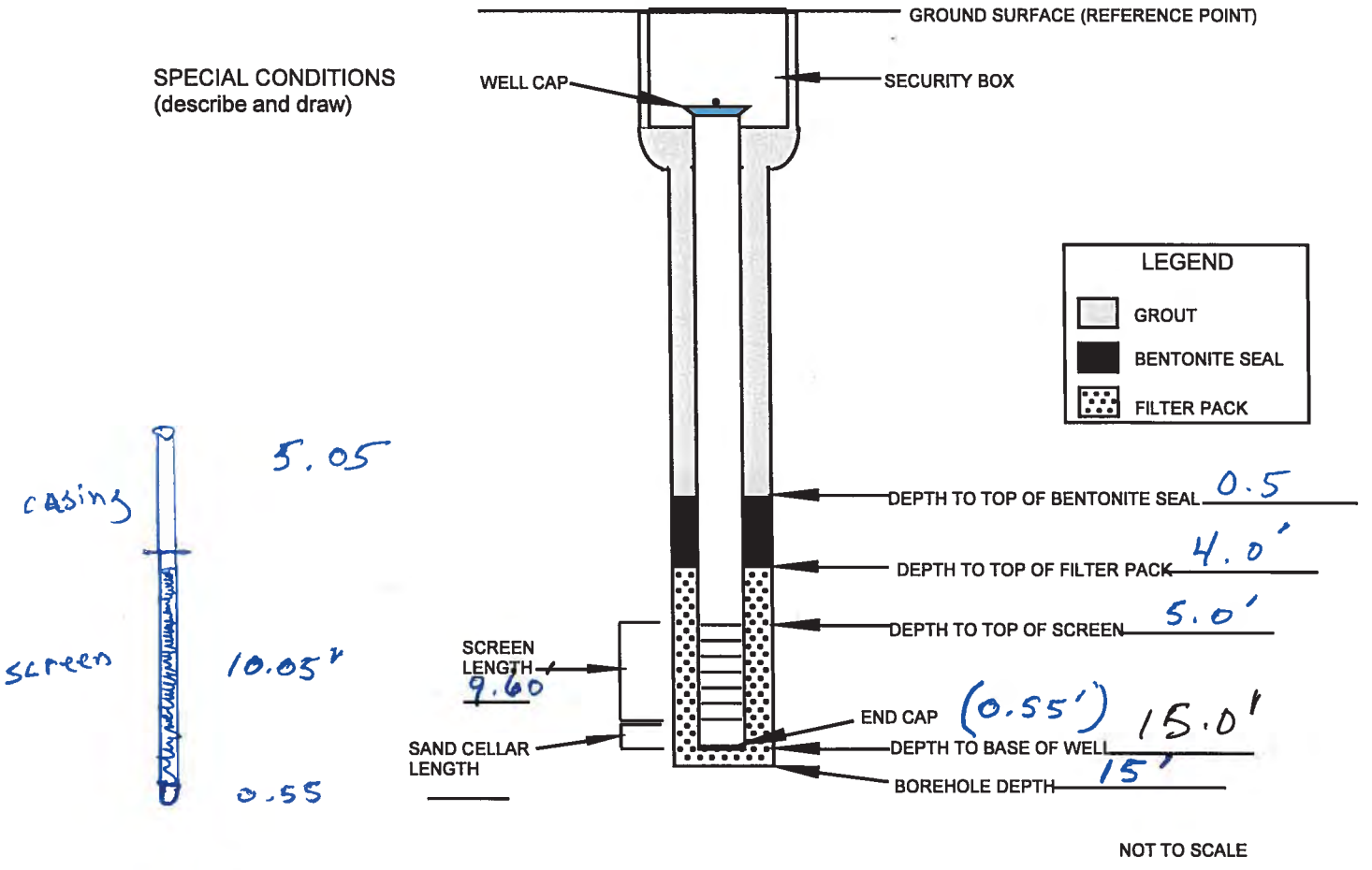
FILTER PACK
Type & Size of Filter Pack: WP #2
Amount of Filter Pack Used (lbs): 200
Filter Pack Manufacturer: US Silica Filpro

BENTONITE SEAL
Type & Size of Bentonite: medium chips
Amount of Bentonite Used (lbs): 25
Bentonite Manufacturer: Cetco

GROUT
Type of Cement:
Cement Manufacturer:
Amount of Cement Used (lbs):
Bentonite Powder Type:
Bentonite Powder Manufacturer:
Amount of Bentonite Powder Used (lbs):

WELL DETAILS
Screen/Casing Diameter (in): 2
Screen Material/Manufactuer: Sch 40 PVC
Screened Interval (ft):
Depth to Water (ft):
Water Added During Construction (gal): 5
Casing Material/Manufactuer: Sch 40 PVC
Type of Well Cap/Manufactuer: compression / hole product
Type of End Cap/Manufactuer: threaded PVC
Dimensions of Security Box:

SPECIAL CONDITIONS
(describe and draw)



NOT TO SCALE

WELL CONSTRUCTION LOG (FLUSH MOUNT COMPLETION)

Site: DU08	**LocID:** CH-MW037	Date/Time Started: 6/9/17 0836
Project Name: Camp Hero	Project Number: 60443903	Date/Time Completed: 6/9/17 0900
Drilling Contractor: ADT	Drilling Equipment: Fraste XL	Logged By: A. Borden
Driller: Dave Moon	Borehole Diameter (in.): 5.5	Checked By:

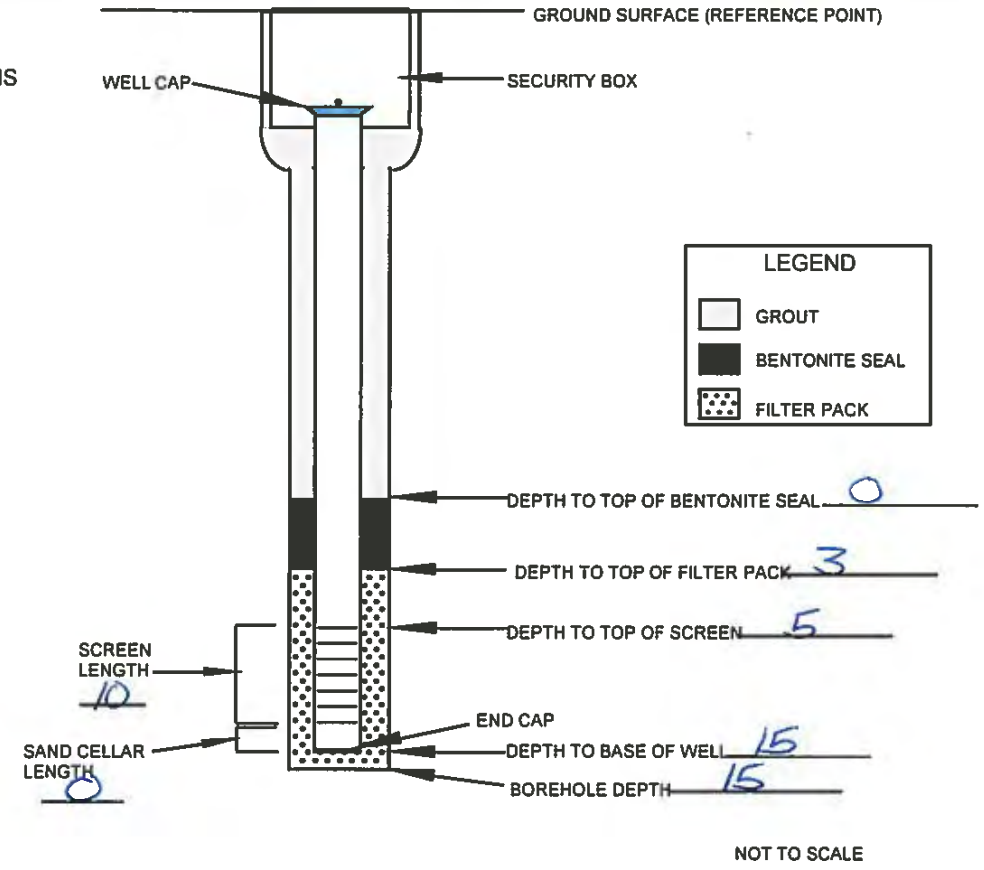
FILTER PACK
- Type & Size of Filter Pack: Filpro #2
- Filter Pack Manufacturer: US Silica
- Amount of Filter Pack Used (lbs): 200

BENTONITE SEAL
- Type & Size of Bentonite: Pure Gold med chip
- Bentonite Manufacturer: Cetco
- Amount of Bentonite Used (lbs): 35

GROUT
- Type of Cement: Portland Type I/II
- Bentonite Powder Type: ~~30-50 granular mesh~~
- Cement Manufacturer:
- Bentonite Powder Manufacturer:
- Amount of Cement Used (lbs):
- Amount of Bentonite Powder Used (lbs):

WELL DETAILS
- Screen/Casing Diameter (in): 2"
- Casing Material/Manufactuer: PVC
- Screen Material/Manufactuer: PVC
- Type of Well Cap/Manufactuer: Plug
- Screened Interval (ft): 10'
- Type of End Cap/Manufactuer: PVC sump
- Depth to Water (ft):
- Dimensions of Security Box: 2x2
- Water Added During Construction (gal): 0

SPECIAL CONDITIONS
(describe and draw)



WELL CONSTRUCTION LOG (ABOVE GROUND COMPLETION)

Site: DV07	**LocID:** CH-MW038	Date/Time Started: 6/7/17	0925
Project Name: Camp Hero	Project Number: 60443903	Date/Time Completed: 6/7/17	0955
Drilling Contractor: Cascade	Drilling Equipment: Fraste XL Max	Logged By: M. Glinski	
Driller: T. Palomeque	Borehole Diameter (in.): 6	Checked By:	

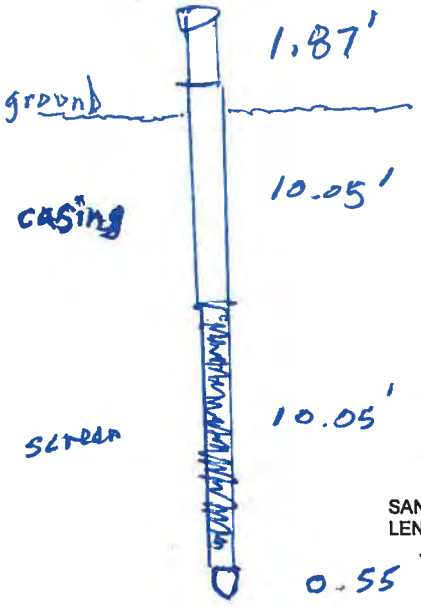
FILTER PACK
- Type & Size of Filter Pack: WP #2
- Filter Pack Manufacturer: Filgro
- Amount of Filter Pack Used (lbs): 200

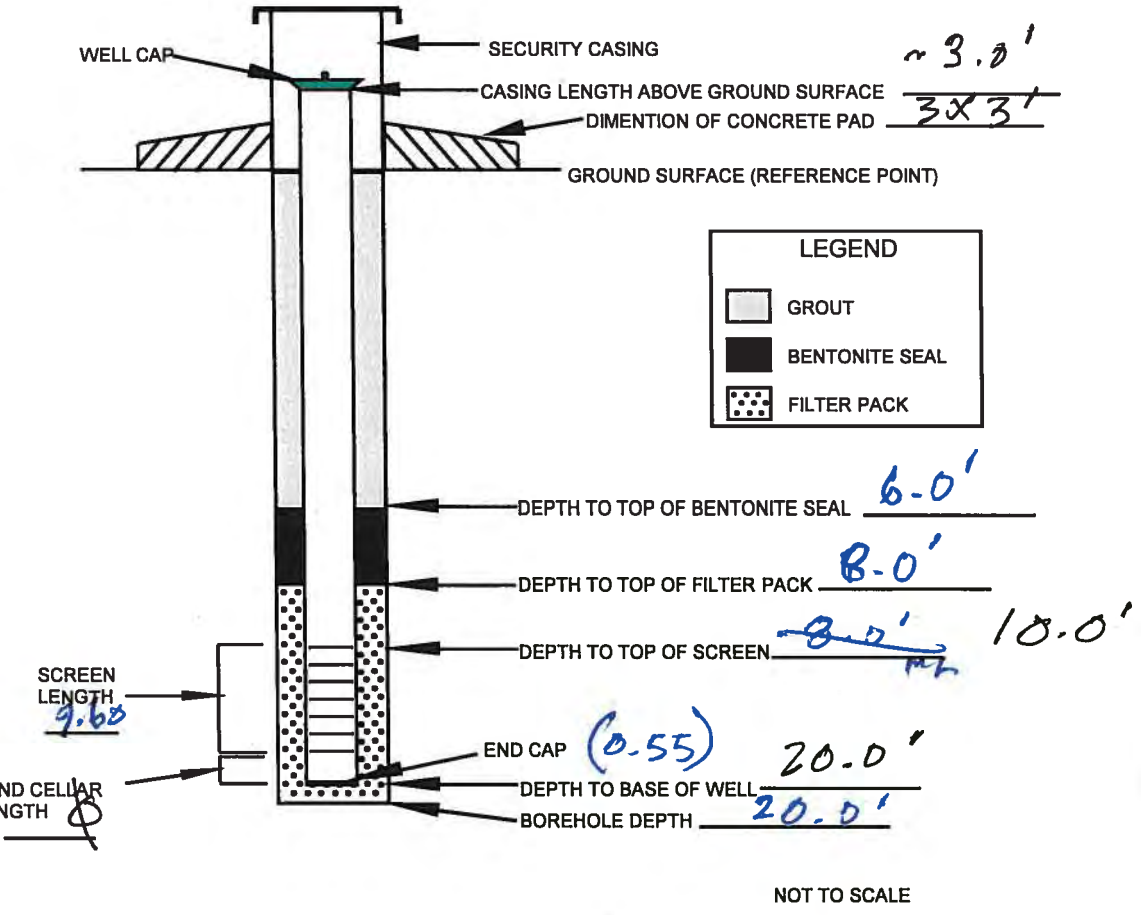
BENTONITE SEAL
- Type & Size of Bentonite: medium chips
- Bentonite Manufacturer: Cetco
- Amount of Bentonite Used (lbs): 25

GROUT
- Type of Cement: Portland I/II
- Bentonite Powder Type: C/S/Granular
- Cement Manufacturer: Lehigh
- Bentonite Powder Manufacturer: Cetco
- Amount of Cement Used (lbs): ____
- Amount of Bentonite Powder Used (lbs): 8

WELL DETAILS
- Screen/Casing Diameter (in): 2
- Casing Material/Manufactuer: Sch 40 PVC
- Screen Material/Manufactuer: Sch 40 PVC
- Type of Well Cap/Manufactuer: compression/hole
- Screened Interval (ft): ____
- Type of End Cap/Manufactuer: threaded PVC
- Depth to Water (ft): ____
- Dimensions of Security Casing: ____
- Water Added During Construction (gal): 5

SPECIAL CONDITIONS
(describe and draw)





NOT TO SCALE

WELL CONSTRUCTION LOG (ABOVE GROUND COMPLETION)

Site: DV15	LocID: CH-MW039	Date/Time Started: 6/7/17 1322
Project Name: Camp Hero	Project Number: 60443903	Date/Time Completed: 6/7/17 1340
Drilling Contractor: Cascade	Drilling Equipment: Fraste XL Max	Logged By: M. Glinski
Driller: T. Palomeque	Borehole Diameter (in.): 6	Checked By:

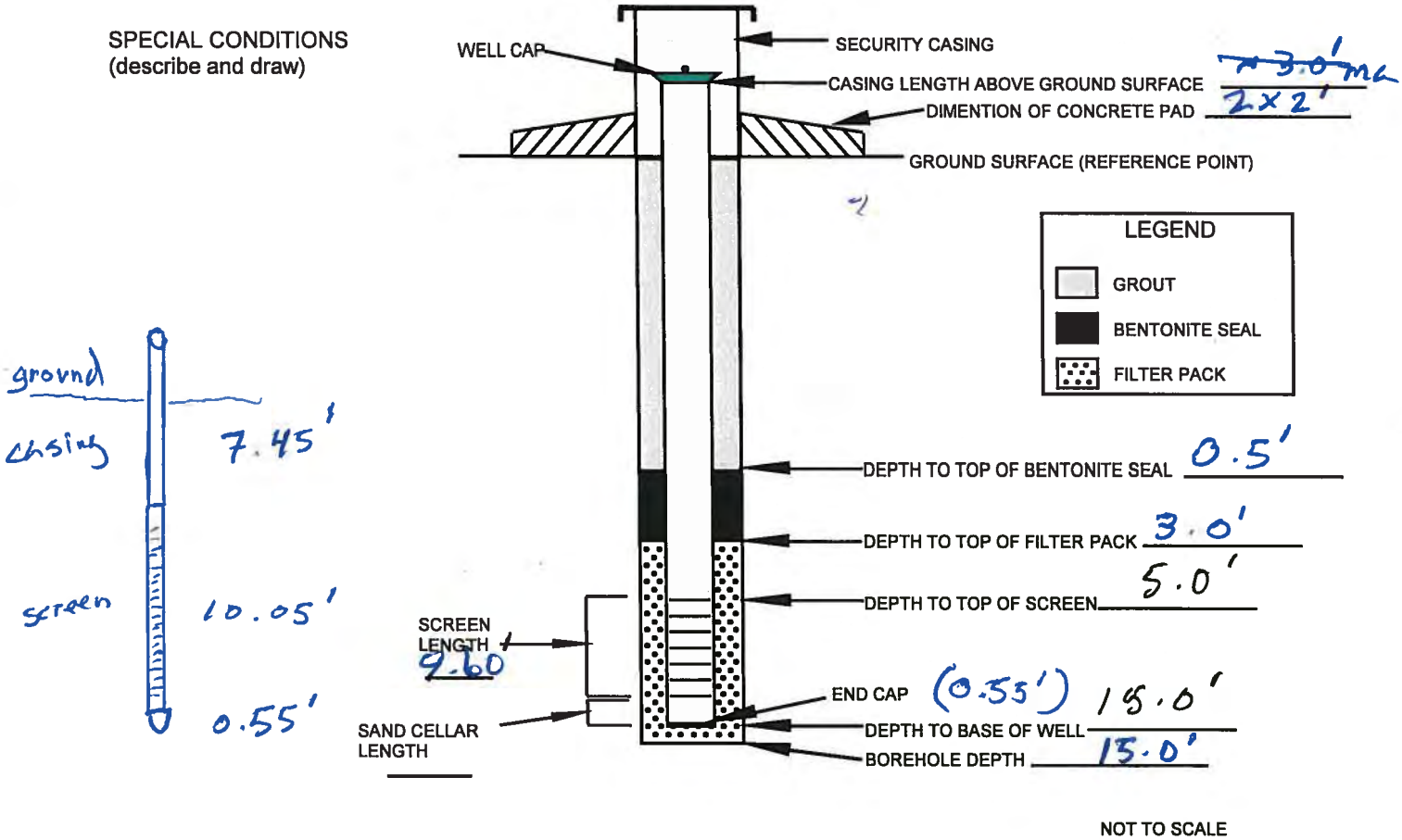
FILTER PACK
Type & Size of Filter Pack: WP#2
Amount of Filter Pack Used (lbs): 200
Filter Pack Manufacturer: Filpro

BENTONITE SEAL
Type & Size of Bentonite: medium chips
Amount of Bentonite Used (lbs): 50
Bentonite Manufacturer: Cetco

GROUT
Type of Cement:
Cement Manufacturer: NA
Amount of Cement Used (lbs):
Bentonite Powder Type:
Bentonite Powder Manufacturer: NA
Amount of Bentonite Powder Used (lbs):

WELL DETAILS
Screen/Casing Diameter (in): 2
Screen Material/Manufactuer: Sch 40 PVC
Screened Interval (ft):
Depth to Water (ft):
Water Added During Construction (gal): 20
Casing Material/Manufactuer: Sch 40 PVC
Type of Well Cap/Manufactuer: compression/hole
Type of End Cap/Manufactuer: Threaded PVC
Dimensions of Security Casing: 4" diameter 3' height

SPECIAL CONDITIONS
(describe and draw)



NOT TO SCALE

WELL CONSTRUCTION LOG (ABOVE GROUND COMPLETION)

Site: DU15	**LocID:** CH-MW040	Date/Time Started: 6/12/17 0935
Project Name: Camp Hero	Project Number: 60443903	Date/Time Completed: 6/12/17 1000
Drilling Contractor: Cascade	Drilling Equipment: Geoprobe 6620DT	Logged By: M. Glinski
Driller: E. Pope	Borehole Diameter (in.): 3.25	Checked By:

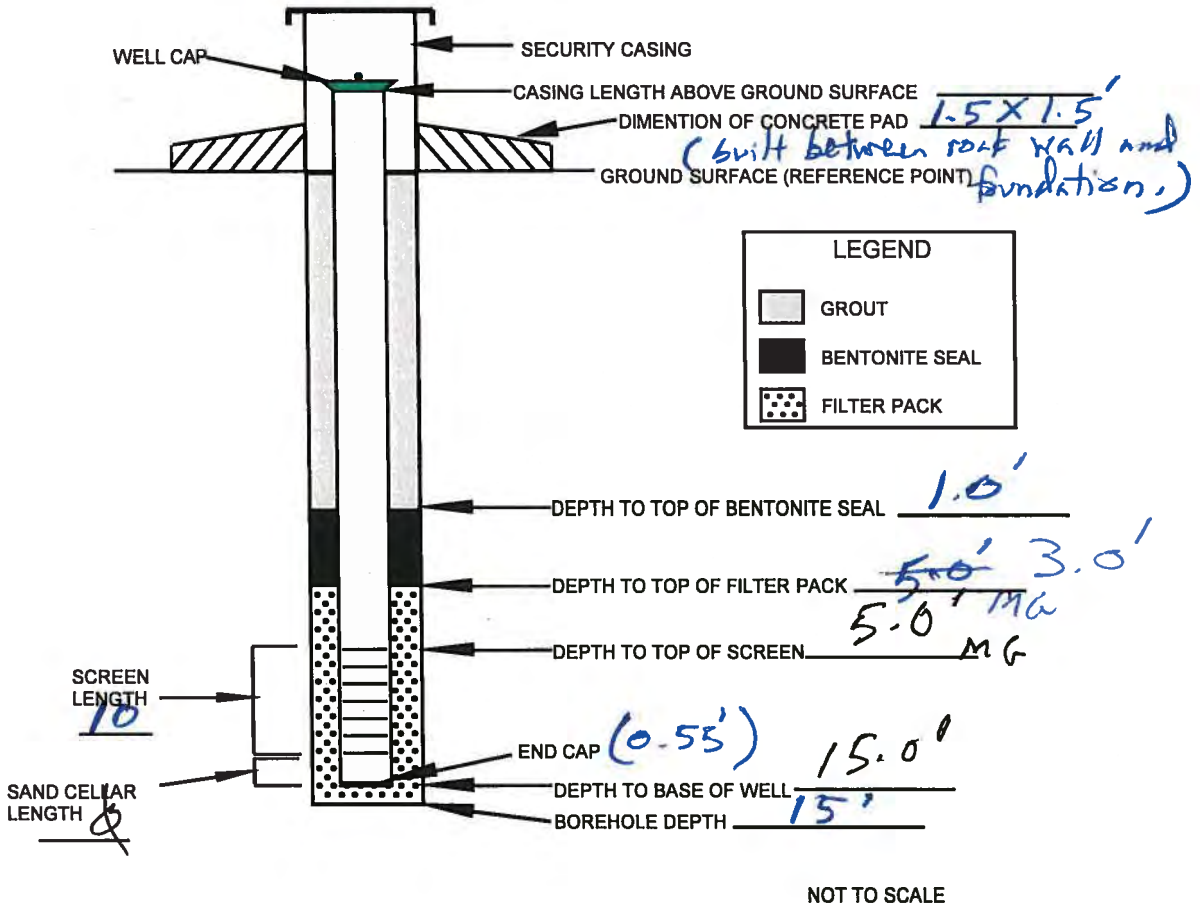
FILTER PACK
- Type & Size of Filter Pack: pre-packed
- Filter Pack Manufacturer: _____
- Amount of Filter Pack Used (lbs): pre-packed

BENTONITE SEAL
- Type & Size of Bentonite: granular
- Bentonite Manufacturer: Cetco
- Amount of Bentonite Used (lbs): 5

GROUT
- Type of Cement: Quikrete No. 1004
- Bentonite Powder Type: _____
- Cement Manufacturer: _____
- Bentonite Powder Manufacturer: _____
- Amount of Cement Used (lbs): _____
- Amount of Bentonite Powder Used (lbs): _____

WELL DETAILS
- Screen/Casing Diameter (in): 2
- Casing Material/Manufactuer: Sch 40 PVC
- Screen Material/Manufactuer: Sch 40 PVC
- Type of Well Cap/Manufactuer: _____
- Screened Interval (ft): _____
- Type of End Cap/Manufactuer: threaded PVC
- Depth to Water (ft): _____
- Dimensions of Security Casing: 4" diameter ~3' height
- Water Added During Construction (gal): 0

SPECIAL CONDITIONS (describe and draw)



NOT TO SCALE

WELL CONSTRUCTION LOG (ABOVE GROUND COMPLETION)

Site: DU06	LocID: CH-MW041	Date/Time Started: 6/5/17 1345
Project Name: CAMP HERO	Project Number: 60443903	Date/Time Completed: 6/5/17 1415
Drilling Contractor: ~~Cascade~~ ADT	Drilling Equipment: Fraste XL	Logged By: A. Borden
Driller: Dave	Borehole Diameter (in.): 5.5	Checked By:

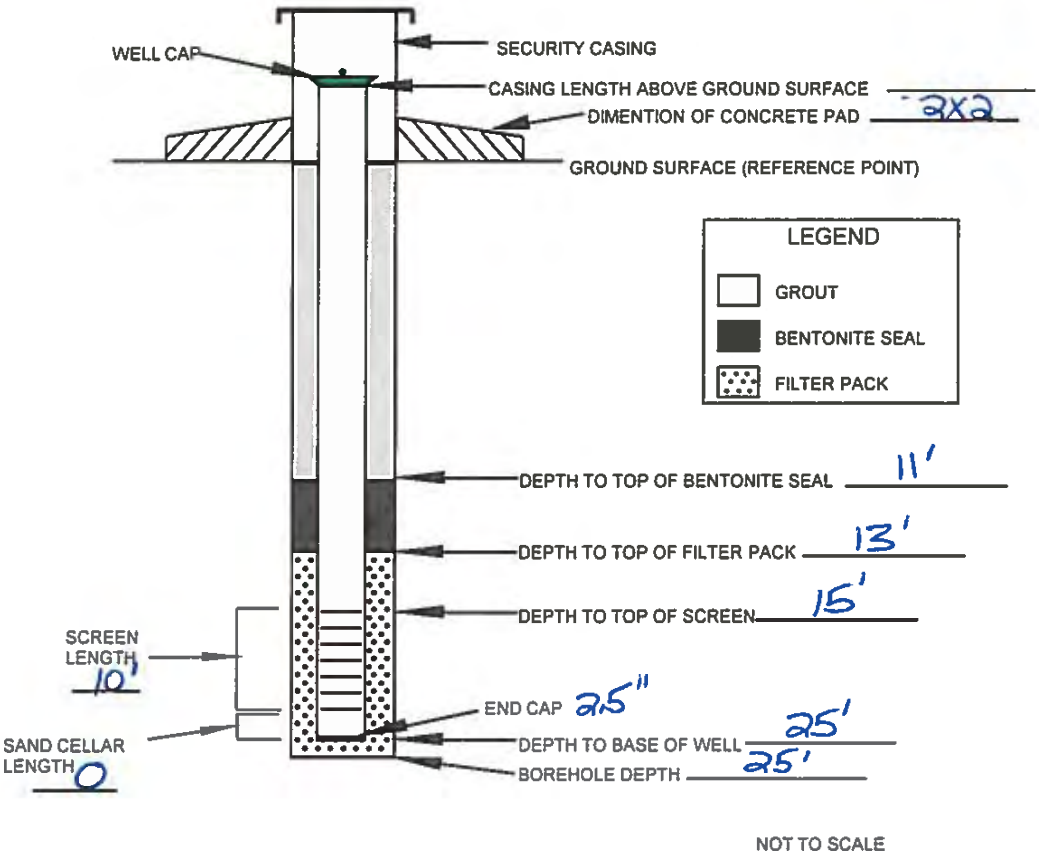
FILTER PACK
Type & Size of Filter Pack: Filpro #2
Filter Pack Manufacturer: US Silica
Amount of Filter Pack Used (lbs): 200

BENTONITE SEAL
Type & Size of Bentonite: Pure Gold med chips
Bentonite Manufacturer: Cetco
Amount of Bentonite Used (lbs): 40

GROUT
Type of Cement: Type I/II
Bentonite Powder Type: 30-50mesh granular
Cement Manufacturer: Lehigh
Bentonite Powder Manufacturer: Cetco
Amount of Cement Used (lbs): AKB 6/5/17 40 94
Amount of Bentonite Powder Used (lbs): 20

WELL DETAILS
Screen/Casing Diameter (in): 2"
Casing Material/Manufactuer: PVC
Screen Material/Manufactuer: PVC
Type of Well Cap/Manufactuer: plug
Screened Interval (ft): 10'
Type of End Cap/Manufactuer: 2.5" PVC sump
Depth to Water (ft): 6.21
Dimensions of Security Casing: 2X2
Water Added During Construction (gal): 0

SPECIAL CONDITIONS
(describe and draw)



NOT TO SCALE

WELL CONSTRUCTION LOG (FLUSH MOUNT COMPLETION)

Site: DU06	LocID: CH-MW042	Date/Time Started: 6/5/17 1055
Project Name: Camp Hero	Project Number: 60443903	Date/Time Completed: 6/5/17 1140
Drilling Contractor: ADT	Drilling Equipment: Fraste XL	Logged By: A. Borden
Driller: Dave	Borehole Diameter (in.): 5.5	Checked By:

FILTER PACK

Type & Size of Filter Pack: Filpro WG #2 — Filter Pack Manufacturer: Filpro US Silica

Amount of Filter Pack Used (lbs): 200

BENTONITE SEAL

Type & Size of Bentonite: PureGold med chips — Bentonite Manufacturer: Cetco

Amount of Bentonite Used (lbs): ~~25~~ 50 AKB 6/5/17

GROUT

Type of Cement: Type I/II — Bentonite Powder Type: 30-50 Mesh granular

Cement Manufacturer: Lehigh — Bentonite Powder Manufacturer: Cetco

Amount of Cement Used (lbs): 94 — Amount of Bentonite Powder Used (lbs): 15

WELL DETAILS

Screen/Casing Diameter (in): 2" — Casing Material/Manufactuer: PVC

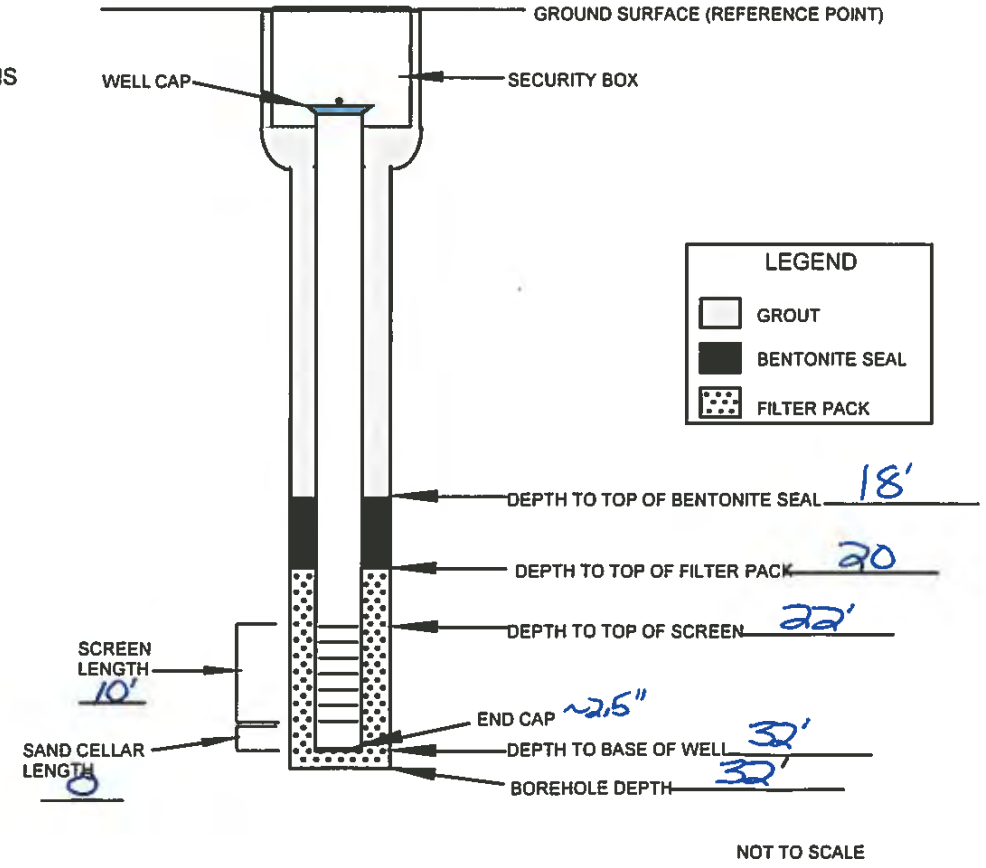
Screen Material/Manufactuer: PVC — Type of Well Cap/Manufactuer: plug

Screened Interval (ft): 10' — Type of End Cap/Manufactuer: 2.5" PVC sump

Depth to Water (ft): 7.12 — Dimensions of Security Box: 2x2

Water Added During Construction (gal): 0

SPECIAL CONDITIONS
(describe and draw)



NOT TO SCALE

WELL CONSTRUCTION LOG (FLUSH MOUNT COMPLETION)

Site: Motor Pool	LocID: CH-MW043	Date/Time Started: 6/6/17 1220
Project Name: Camp Hero	Project Number: 60443903	Date/Time Completed: 6/6/17 1250
Drilling Contractor: Cascade	Drilling Equipment: Fraste XL Max	Logged By: M. Glinski
Driller: T. Palomteque	Borehole Diameter (in.): 6	Checked By:

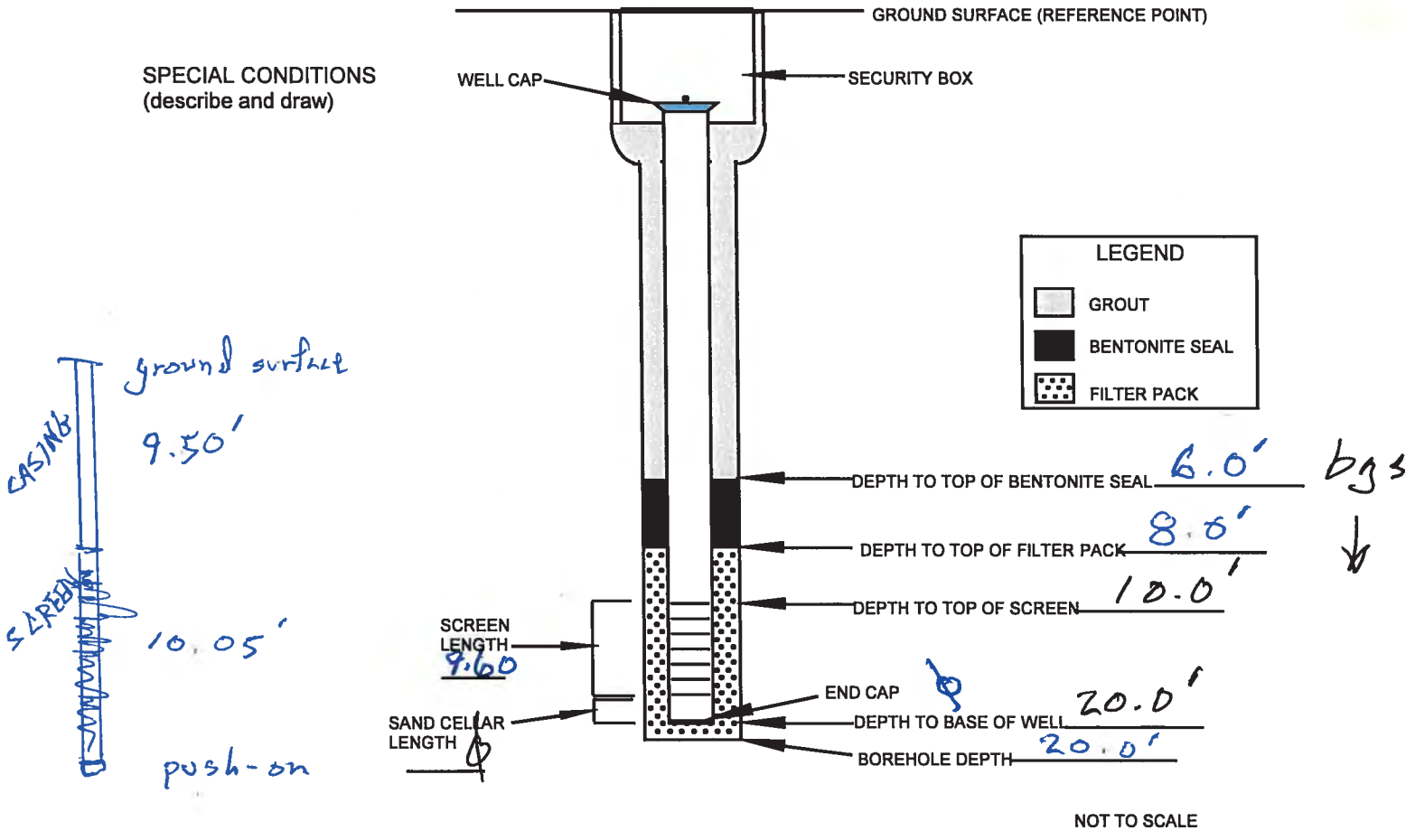
FILTER PACK
Type & Size of Filter Pack: WP #2
Amount of Filter Pack Used (lbs): 300
Filter Pack Manufacturer: Filpro

BENTONITE SEAL
Type & Size of Bentonite: medium chips
Amount of Bentonite Used (lbs): 25
Bentonite Manufacturer: Cetco

GROUT
Type of Cement: Portland I/II
Cement Manufacturer: Lehigh
Amount of Cement Used (lbs): 25
Bentonite Powder Type: C/S Granular
Bentonite Powder Manufacturer: Cetco
Amount of Bentonite Powder Used (lbs): 10

WELL DETAILS
Screen/Casing Diameter (in): 2
Screen Material/Manufactuer: Sch 40 PVC
Screened Interval (ft):
Depth to Water (ft):
Water Added During Construction (gal): 25
Casing Material/Manufactuer: Sch 40 PVC
Type of Well Cap/Manufactuer: compression/hole products
Type of End Cap/Manufactuer: slip-on PVC
Dimensions of Security Box: 4" round vault

SPECIAL CONDITIONS
(describe and draw)



Appendix I3

Well Development Forms

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MONITORING WELL DEVELOPMENT FORM

LOCATION	Site: Camp Hero – Bldg 203 area	LocID: CH-MW019	Date: 06/19/17 – 06/20/17
	Project Name: Camp Hero Phase 3	Project #: 60443903	Recorded By: JG Checked By:
EQUIPMENT	H2O Quality Meter Type/ID #: YSI 6920V2 15E101087	Development Equipment: Proactive Monsoon pump # 001716	
	Water Level Indicator Type/ID #: Solinst Model 122 #001337	Equipment Decon.: Liquinox, wash, potable rinse, distilled rinse	
WELL INFO	Casing I.D. (in): 2 inch	Water Column Thickness (ft): 11.68	Initial Depth to Water (ft): 10.92 btoc
	Total Well Depth (ft): 22.60 ia. trial, and 22.91	Water Volume (gal/lin ft): 0.1632	Well head PID = 11.1 ppm
	Remarks:		

Note that this well was developed in Dec 2016, but can benefit from redevelopment.

1 purge volume: casing volume + saturated annulus + water added drilling
= 1.9 gal + 4.6 gal + 30 gal = 36.5 gal
cumulative
15-foot screen

Date (mm/dd/yy)	Time (24 hr)	Water Level (FTOC)	Volume Removed (Gals)	Pumping Rate (Lpm)	Temp. (C)	Specific Conduct. (mS/cm)	DO (mg/L)	pH	ORP (mv)	Turb. (NTU)	Notes
06/19/17	0834	10.51	0.0	5.7	Begin pumping.						
	0836	TD	3.0	5.7	14.45	0.175	6.62	7.16	43.1	>200	Well dry. Stop pumping.
	0841	17.31	3.0	~~5.7~~	Wait for recharge.						
	0846	17.03	3.0	–	Wait for recharge. Recharge is 35mL/min at this drawndown level.						
	1030	16.36	3.0	–	Surge w/o pumping. Note that recharge is ~4mL/min at this drawndown level						
	1035	–	3.0	4.3	Resume pumping.						
	1036	TD	4.3	4.3	Well dry. Stop pumping. 1.3 gal removed. TD ~22.73 ft btoc.						
	1126	18.90	4.3	–	Surge w/o pumping						
	1137	–	4.3	~4	Resume pumping.						
	1138	TD	5.1	~4	Well dry. Stop pumping. 0.8 gal removed.						
	1249	20.39	5.1	–	Surge w/o pumping.						
	1254	–	5.1	~4	Resume pumping.						
	1255	TD	5.4	~4	Well dry. Stop pumping. 0.3 gal removed						
	1529	–	5.4	~4	Resume pumping. Very little sand in purge water.						
	1530	TD	5.9	~4	Well dry. Stop pumping. 0.5 gal removed.						
06/20/17	0828	20.95	5.9	–	15.35	0.205	8.07	6.81	16.0	91.0	Collected w/ peristaltic pump
	0836	–	5.9	0.3	Pump w/ peristaltic.						#3670; intake at ~21.9 ft btoc
	0844	TD	6.6	0.3	Well dry. Stop pumping.						

Drawdown: minimal Measurements: 3-5 min Stabilization: +/- 0.5 C, +/- 3% conductivity, +/- 10% DO, +/- 0.1 pH, +/-10 mv ORP, turb as low as possible (<10 NTU ideal) All for 3 consecutive readings

MONITORING WELL DEVELOPMENT FORM

LOCATION	Site: Camp Hero - Near DU01	LocID: CH-MW022	Date: 06/19/17 - 06/20/17
	Project Name: Camp Hero Phase 3	Project #: 60443903	Recorded By: CS Checked By:
EQUIPMENT	H2O Quality Meter Type/ID #: YSI 6920 V2 # 15E101087	Development Equipment: Proactive Monsoon # 001714	
	Water Level Indicator Type/ID #: Solinst 101 # 32254	Equipment Decon.: Liquinox wash, potable rinse, distilled rinse	
WELL INFO	Casing I.D. (in): 2 inch	Water Column Thickness (ft): 7.14	Initial Depth to Water (ft): 10.54 btoc
	Total Well Depth (ft): 17.68 initial, final 18.72	Water Volume (gal/lin ft): 0.1632	Wellhead PID = 0.4 ppm
	Remarks: 1 purge volume = casing volume + saturated annulus + water added drilling = 1.2 gal + 2.8 gal + 5 gal = 9 gal		

Date (mm/dd/yy)	Time (24 hr)	Water Level (FTOC)	Volume Removed (Gals)	Pumping Rate (Lpm)	Temp. (C)	Specific Conduct. (mS/cm)	DO (mg/L)	pH	ORP (mv)	Turb. (NTU)	Notes
06/19/17	1007	10.10	0.0	~4	Begin pumping.						
	1009	TD	1.7	~4	12.64	0.319	5.28	6.69	80.0	>2000.	Well dry. Stop pumping.
	1015	13.31	1.7	-	Wait for recharge						
	1019	13.20	1.7	-	Wait for recharge. Recharge rate ~17 mL/min at this drawdown level						
	1048	12.91	1.7	-	~~Wait~~ Surge w/o pumping. Recharge rate ~8 mL/min						
	1055	-	1.7	~4	Resume pumping.						
	1056	TD	2.7	~4	Well dry. Stop pumping. 1.0 gal removed.						
	1148	12.50	2.7	-	Surge w/o pumping.						
	1154	12.27	2.7	~4	Resume pumping. Note that water level reading affected by surging.						
	1156	TD	4.3	~4	Well dry. Stop pumping. 1.6 gal removed.						
	1314	12.53	4.3	-	Surge w/o pumping.						
	1319	-	4.3	~4	Resume pumping.						
	1321	TD	6.0	~4	Well dry. Stop pumping. 1.7 gal removed.						
	1418	12.95	6.0	-	Surge w/o pumping.						
	1421	-	6.0	~4	Resume pumping.						
	1423	TD	7.6	~4	Well dry. Stop pumping. 1.6 gal removed.						
	1515	13.43	7.6	-	Surge w/o pumping.						
	1517	-	7.6	~4	Resume pumping. Decreased sand in purge water.						

Drawdown: minimal Measurements: 3-5 min Stabilization: +/- 0.5 C, +/- 3% conductivity, +/- 10% DO, +/- 0.1 pH, +/-10 mv ORP, turb=as low as possible (<10 NTU ideal) All for 3 consecutive readings

MONITORING WELL DEVELOPMENT FORM

LOCATION	Site: Camp Hero - NearDU01	LocID: CH-MW022
	Project Name: Camp Hero Phase 3	Project #: 60443903

Date (mm/dd/yy)	Time (24 hr)	Water Level (FTOC)	Volume Removed (Gals)	Pumping Rate (Lpm)	Temp. (C)	Specific Conduct. (mS/cm)	DO (mg/L)	pH	ORP (mv)	Turb. (NTU)	Notes
06/19/17	1518	TD	8.9	~4	→ Well is dry. Stop pumping.					1.3 gal removed	
	1602	13.85	8.9	~4	Resume pumping. Less sand in purge water.						
	1603	TD	9.9	~4	Well dry. Stop pumping. 1.0 gal removed.						
06/20/17	~~0828~~	~~20.45~~									JR 06/20/17
	0904	10.50	9.9	~4	Resume pumping. Less sand.						
	0907	TD	12.7	~4	Well dry. Stop pumping. 2.8 gal removed.						
	1209	11.66	12.7	~4	Resume pumping. Turbid at first, but starts to clear after a few seconds.						
	1211	TD	15.0	~4	Well dry. Stop pumping. 2.3 gal removed.						
	1556	11.82	15.0	~0.4	15.64	6.232	8.79	6.38	113.6	60.2	Collected w/ peristaltic pump #3670, intake at ~16.3 ft btoc
	1611	—	16.5	~0.4	Stop pumping. Cleaned out sediment trap w/ peristaltic pump.						

Drawdown: minimal Measurements: 3-5 min Stabilization: +/- 0.5 C, +/- 3% conductivity, +/- 10% DO, +/- 0.1 pH, +/-10 mv ORP, turb=as low as possible (=10 NTU ideal) All for 3 consecutive readings

MONITORING WELL DEVELOPMENT FORM

LOCATION	Site: DU01	LocID: CH-MW023	Date: 6/19/17
	Project Name: Camp Hero Phase III RI	Project #: 60443093	Recorded By: MG Checked By:
EQUIPMENT	H2O Quality Meter Type/ID #: YSI 6920 V2	Development Equipment:	
	Water Level Indicator Type/ID #: KECK 1227	Equipment Decon.: Liquinox / H_2O	
WELL INFO	Casing I.D. (in): 2	Water Column Thickness (ft): 21.10'	Initial Depth to Water (ft): 5.70'
	Total Well Depth (ft): ~~5.7~~ MG 26.80'	Water Volume (gal/lin ft): 0.1632	well head PID: 0.0 ppm
	Remarks: All above BTOC; casing vol 3.44 gal + annulus volume (30% porosity) 6.65 gal + water added 20 gal = 30 gal.		
	2.50' PVC stick-up, 15-ft screen		

Date (mm/dd/yy)	Time (24 hr)	Water Level (FTOC)	Volume Removed (Gals)	Pumping Rate (Lpm)	Temp. (C)	Specific Conduct. (mS/cm)	DO (mg/L)	pH	ORP (mv)	Turb. (NTU)	Notes
06/19/17	1520	TD	7.75	~10	Pumped dry						
	1535	21.05	7.75	—	Recharge:	236 ml/min					
	1550	19.98	7.75	—	Recharge: 44	ml/min					
	1552	TD	~~7.75~~	~10	13.60	0.268	7.87	6.71	-25.2	>2000	fine sand, light olive
	1554	—	9.50 mG	—	Leave well to	recharge	overnight				brown (2.5Y 5/3)
6/20/17	0820	TD	16.25	~10	surge well,	pump dry,	initial DTW:	6.84'	BTOC		
	0840	19.40	16.25	—	Recharging,	Avg	228	ml/min			
	0902	18.00	16.25	—	Recharging,	Avg	40	ml/min			
	0927	16.69	16.25	—	Recharging,	Avg	40	ml/min			
	0955	14.85	16.25	—	Recharging,	Avg	34	ml/min			
	0956	14.85	16.25	—	Surge well	screen (submerged)					
	1010	TD	20.75	~10	Pumped dry,	1st	recover				significant fine sand
	1048	19.76	20.75	—	Recharging,	Avg.	114	ml/min			grayish brown (10YR 5/2)
	1108	18.45	20.75	—	Recharging,	Avg.	66	ml/min			
	1146	16.25	20.75	—	Recharging,	Avg.	36	ml/min			
	1158	15.63	20.75	—	Recharging	Avg.	32	ml/min			
	1208	TD	24.45	~10	Surge submerged	well screen,	pump dry				
	1255	19.30	24.45	—	Recharge	Avg.	98	ml/min			

Drawdown: minimal Measurements: 3-5 min Stabilization: +/- 0.5 C, +/- 3% conductivity, +/- 10% DO, +/-0.1 pH, +/-10 mv ORP/turb=as low as possible (<10 NTU ideal) All for 3 consecutive readings

MONITORING WELL DEVELOPMENT FORM

LOCATION	Site: DU01	LocID: CH-MW023
	Project Name: Camp Hero Phase III RI	Project #: 60443903

Date (mm/dd/yy)	Time (24 hr)	Water Level (FTOC)	Volume Removed (Gals)	Pumping Rate (Lpm)	Temp. (C)	Specific Conduct. (mS/cm)	DO (mg/L)	pH	ORP (mv)	Turb. (NTU)	Notes
06/20/17	1312	18.32	24.45	—	Recharging		Avg rate:	36 ml/min			
	1340	17.60	24.45	0.5	13.45	0.257	9.42	6.91	-21.2	1271	
	1345	19.55	25.25		13.28	0.234	10.32	6.24	7.7	718	
	1350	20.60	26.05		13.36	0.229	10.50	6.26	16.1	504	
	1355	21.70	26.95		13.50	0.234	10.88	6.29	19.8	418	
	1400	22.38	27.45		14.12	0.244	10.15	6.22	22.3	710	
	1405	23.13+	28.25		13.68	0.250	9.97	6.28	21.7	1280	water level below top of pump
	1408	DRY	28.85		Pumped dry						
	1455	20.70	28.85	0.5	Begin final pump - dry						
	1512	TD	30.85	~0.8	Pumped dry						

Drawdown: minimal Measurements:3-5 min Stabilization:+/- 0.5 C, +/- 3% conductivity, +/- 10% DO, +/- 0.1 pH, +/-10 mv ORP, turb=as low as possible (=10 NTU ideal) All for 3 consecutive readings

MONITORING WELL DEVELOPMENT FORM

LOCATION	Site: AST35 / FPH	LocID: CH-MW024	Date: 6/19/17
	Project Name: Camp Hero Phase III RI	Project #: 60443903	Recorded By: mc Checked By:
	YSI 6920 V2		
EQUIPMENT	H2O Quality Meter Type/ID #: ~~KECK 1227~~ mc	Development Equipment:	
	Water Level Indicator Type/ID #: KECK 1227	Equipment Decon.: Liquinox / DI H2O	
WELL INFO	Casing I.D. (in): 2	Water Column Thickness (ft): 10.48'	Initial Depth to Water (ft): 7.36'
	Total Well Depth (ft): 17.84'	Water Volume (gal/lin ft): 0.1632	wellhead PID 1.3ppm
	Remarks: All above BTOC CASING VOL. 1.7g + annulus 4.1g + added H2O 0 = 5.8g		
	2.75' PVC stick-up		

Date (mm/dd/yy)	Time (24 hr)	Water Level (FTOC)	Volume Removed (Gals)	Pumping Rate (Lpm)	Temp. (C)	Specific Conduct. (mS/cm)	DO (mg/L)	pH	ORP (mv)	Turb. (NTU)	Notes
06/19/17	0900	6.34'	0.0	—	Place pump down well						
	0904	TD	1.3	~10	Pumped dry						
	0919	9.06'	1.3	—	Recharge 361 mL/min						
	0926	TD	2.4	~10	Pumped dry, wait for recharge, 1.1g removed						
	0935	9.68	2.4	—	Recharge 560 ml/min, surge well						
	0945	8.20	2.4	—	Recharge / surging, 91 mL/m recharge						
	0955	7.69	3.65	~10	Pumped dry, 1.25g removed						
	0957	TD	3.65	—	13.50	0.373	1.45	6.34	-87.8	>2000	petro. odor fine brown sand
	1002	10.30	3.65	—	Recharge 930 ml/min						
	1007	8.93	3.65	—	Recharge 181 ml/min						
	1013	8.00	3.65	—	Surge well, 46.5 ml/min recharge						
	1024	TD	5.25	~10	Pump dry, 1.60 gal. removed						sheen, odor, fine
	1040	8.26	5.25	~10	resume pumping, 369 ml/min recharge						~~brown~~ mc sand, olive gray (5Y 5/2)
	1043	TD	6.50	—	Pumped dry, 1.25 gal removed						
	1055	8.91	6.50	—	Recharge 459 ml/min, surge well						
	1059	8.22	6.50	—	Begin pumping again, 106 ml/min recharge						
	1103	TD	8.0	~10	Pumped dry						
	1137	7.69	8.0	—	Avg. 184 ml/min recharge.						

Drawdown: minimal Measurements:3-5 min Stabilization:+/- 0.5 C, +/- 3% conductivity, +/- 10% DO, +/- 0.1 pH, +/-10 mV ORP, turb=as low as possible (<10 NTU ideal) All for 3 consecutive readings

MONITORING WELL DEVELOPMENT FORM

LOCATION	Site: AST35/FPH	LocID: CH-MW024
	Project Name: Camp Hero Phase III RI	Project #: 60443903

Date (mm/dd/yy)	Time (24 hr)	Water Level (FTOC)	Volume Removed (Gals)	Pumping Rate (Lpm)	Temp. (C)	Specific Conduct. (mS/cm)	DO (mg/L)	pH	ORP (mv)	Turb. (NTU)	Notes
06/19/17	1146	11.38	8.75	1.0 L		Pumping at reduced rate to observe drawdown.					
	1156	TD	~~3.0~~ 11.85	1.0 L		Pumped dry, allow to recharge., 3.0 g removed					
	1212	8.52		—		Recharge:		359	mL/min, surge well		
	1220	TD	13.10	~10		Pumped dry					
	1234	8.99	13.10	0.850	13.46	0.436	1.13	6.33	-179.4	438	
	1242	14.14	14.30	0.850	14.22	0.433	0.91	6.43	-134.0	316	Stop pump, allow to recharge.
	1301	8.90	↓	0.400	14.13	0.387	1.11	6.52	-108.6	262	
	1307	11.84	15.30	0.400	15.07	0.427	0.73	6.52	-125.1	114	
	1316	12.42	16.30	0.400	15.95	0.423	0.43	6.53	-136.1	63.9	
	1328	13.30	17.30	0.400	15.81	0.427	0.37	6.53	-144.3	27.5	
	1341	*	18.30	0.400	15.96	0.421	0.96	6.55	-137.8	17.6	* water below top of pump.
											Ending TD same as initial (17.84')

Drawdown: minimal Measurements:3-5 min Stabilization:+/- 0.5 C, +/- 3% conductivity, +/- 10% DO, +/- 0.1 pH, +/-10 mv ORP, turb=as low as possible (=10 NTU ideal) All for 3 consecutive readings

MONITORING WELL DEVELOPMENT FORM

LOCATION	Site: Fuel Pump House	LocID: CH-MW025	Date: 12 JUN 2017 - 6/15/17
	Project Name: Camp Heon Remedial Investigation	Project #: 60443913.4.1	Recorded By: Checked By:
EQUIPMENT	H2O Quality Meter Type/ID #: ~~Geotech #5677~~ YSI 6920 15E10188	Development Equipment: Mini Monsoon # 003155	
	Water Level Indicator Type/ID #: Geotech #5687	Equipment Decon.: Alconox and DI water rinse	
WELL btoc INFO	Casing I.D. (in): 2	Water Column Thickness (ft): 14.54	Initial Depth to Water (ft): 5.93
	Total Well Depth (ft): 20.47 initial, 21.10 end	Water Volume (gal/lin ft): 2.32	PID: 0.5
	1 Purge Volume = Casing Volume + Saturated Annulus + Water Added		
	Remarks: 2.32 + 4.72 + 0 = 7.02		

10-foot screen

Date (mm/dd/yy)	Time (24 hr)	Water Level (FTOC)	Volume Removed (Gals)	Pumping Rate (Lpm)	Temp. (C)	Specific Conduct. (mS/cm)	DO (mg/L)	pH	ORP (mv)	Turb. (NTU)	Notes		
06/12/17	1418	4.78	NA	NA	NA	NA	NA	NA	NA	NA	static with Pump in		
06/12/17	1420	Dry	2.25	3.8	13.84	0.349	5.28	8.02	-73.5	outofRange	Dry - Purged (1)	2.25	
6/12/17	1500	12.49	1	3.8	15.81	0.335	1.22	7.28	-58.7	outofRange	Dry - Purged (2)	3.25	
6-12-17	1545	13.24	1	3.8	14.08	0.334	4.00	8.54	-35.4	outofRange	Purged dry (3)	4.25	
6-12-17	1615	14.58	3/4	3.8	14.87	0.313	3.50	7.10	-23.9	outofRange	Purged dry (4)	5	
6-13-17	1036	6.35	2.75	3.8	13.18	0.278	4.35	6.36	130.0	9765	Purged Dry (5)	7.75	
6-13-17	1038	15.82	NA	NA	NA	NA	NA	NA	NA	NA			
6-13-17	1126	13.27	1.5	3.8	13.99	0.289	6.10	6.96	93.6	outofRange	Purged Dry (6)	9.25	.608
6-13-17	1131	17.31	NA	NA	NA	NA	NA	NA	NA	NA			
6-13-17	1235	13.84	1.25	3.8	14.62	0.294	7.22	7.14	100.3	outofRange	Purged Dry (7)	10.5	.008
6-13-17	1238	17.07	NA	NA	NA	NA	NA	NA	NA	NA			
6-13-17	1338	14.43	1	3.8	14.52	0.284	6.21	6.92	104.1	outofRange	Purged Dry (8)	11.5	
6-13-17	1341	17.36	NA	NA	NA	NA	NA	NA	NA	NA	~~Purged Dry (8)~~ PG		
6-13-17	1416	NA	0.5	NA	NA	NA	NA	NA	NA	NA	Purged Dry (9)	12	
6-13-17	1419	17.99	NA	NA	NA	NA	NA	NA	NA	NA			
6-13-17	1536	15.02	1	3.8	17.99	0.266	5.02	6.71	116.3	1755	Purged dry (10)	(8) 13	
6-15-17	1435	-	-	-	13.97	0.229	2.59	5.77	55.6	23.7	Collected w/ peristaltic #3670, intake at ~ 16.1 ft btoc		

Drawdown: minimal Measurements: 3-5 min Stabilization: +/- 0.5 C, +/- 3% conductivity, +/- 10% DO, +/- 0.1 pH, +/-10 mv ORP, turb=as low as possible (<10 NTU ideal) All for 3 consecutive readings

MONITORING WELL DEVELOPMENT FORM

LOCATION	Site: STB, Suspected Tank B	LocID: CH-MW026	Date: 13JUN2017 - 6/15/17
	Project Name: Camp Hero Remedial Investigation	Project #: 60443903.4.1	Recorded By: Checked By:
EQUIPMENT	H2O Quality Meter Type/ID #: YSI 6920 # 15E101088	Development Equipment: Mini Monsoon 002848	
	Water Level Indicator Type/ID #: Geotech #5699	Equipment Decon.: Liquinox and DI water Rinse	
WELL INFO	Casing I.D. (in): 2	Water Column Thickness (ft): 11.98	Initial Depth to Water (ft): 6.23
	Total Well Depth (ft): 18.21 initial, 19.04 end	Water Volume (gal/lin ft): 1.91	PID 40.9
	Remarks: 1 Purge Volume = Casing Volume + Saturated Annulus + water Added 1.91g 4.7g 40 = 46.61		

10-foot screen

Date (mm/dd/yy)	Time (24 hr)	Water Level (FTOC)	Volume Removed (Gals)	Pumping Rate (Lpm)	Temp. (C)	Specific Conduct. (mS/cm)	DO (mg/L)	pH	ORP (mv)	Turb. (NTU)	Notes	
06-13-2017	1015	6.23	1.75	3.8	15.11	0.274	10.19	6.38	23.8	outofRANGE	Purged Dry(5 Very turbid Brown	
06-13-2017	1019	12.29	NA	NA	NA	NA	NA	NA	NA	NA	NA	
6-13-2017	1109	6.54	1.75	3.8	14.75	0.306	1.15	6.60	-23.7	outofRange	Purged Dry (2)	3.5
6-13-2017	1112	13.60	NA	NA	NA	NA	NA	NA	NA	NA		
6-13-17	1210	6.35	2	3.8	14.64	0.276	2.10	6.59	-4.5	outofRange	Purged Dry(3)	5.5
6-13-17	1213	14.16	NA	NA	NA	NA	NA	NA	NA	NA		0.02
6-13-17	1303	6.85	2	3.8	14.09	0.245	3.51	6.62	16.0	outofRANGE	Purged Dry(4)	7.5
6-13-17	1306	14.41	NA	NA	NA	NA	NA	NA	NA	NA		
6-13-17	1407	6.49	2	3.8	14.20	0.230	4.45	6.58	31.2	outofRange	Purged Dry(5)	9.5
6-13-17	1405	14.10	NA	NA	NA	NA	NA	NA	NA	NA		
6-13-17	1512	6.39	2.5	3.8	14.37	0.223	5.07	5.98	47.0	outofRan	Purged Dry(6)	12 .018
6-15-17	1515	-	-	-	14.31	0.152	2.21	5.71	29.7	111.4	Collected w/peristaltic #3670, intake at ~14.0 ft	

Drawdown: minimal Measurements:3-5 min Stabilization:+/- 0.5 C, +/- 3% conductivity, +/- 10% DO, +/- 0.1 pH, +/-10 mv ORP, turb=as low as possible (<10 NTU ideal) All for 3 consecutive readings

MONITORING WELL DEVELOPMENT FORM

LOCATION	Site: STB, Sepetral TANKS	LocID: CH-MW027	Date: 12 JUN 2017/13 JUN 2017 - 6/18/17
	Project Name: Camp Hero Remedial Investigation	Project #: 60443903.4.1	Recorded By: RB Checked By: JCS
EQUIPMENT	H2O Quality Meter Type/ID #: YSI 6920 # 15E101088	Development Equipment: Mega Monsoon 001715/ Boost Controller D1879	
	Water Level Indicator Type/ID #: Geotech #5699	Equipment Decon.: Alconox with DI water Rinse	
WELL INFO	Casing I.D. (in): 2 28.65	Water Column Thickness (ft): 20.08	Initial Depth to Water (ft): 2.89
	Total Well Depth (ft): 22.97 (limited), ~~28.24~~ and	Water Volume (gal/lin ft): 3.21	
	Purge volume = casing volume + saturated annulus + water added		
	Remarks: 3.21g 4.7g 30g = 37.91g		
			10-foot screen

Date (mm/dd/yy)	Time (24 hr)	Water Level (FTOC)	Volume Removed (Gals)	Pumping Rate (Lpm)	Temp. (C)	Specific Conduct. (mS/cm)	DO (mg/L)	pH	ORP (mv)	Turb. (NTU)	Notes	
06/12/17	1159	2.89	NA	NA	NA	NA	NA	NA	NA	NA	start	
06/12/17	1202	Dry	3.5	3.8	19.79	2.953	4.32	11.78	-128.1	1390		3.5
06/12/17	1258	13.86	1.5g	3.8	14.46	0.745	3.17	11.16	-184.9	outofRange	Purged dry (1)	5.0
06/12/17	1517	10.15	2.5	3.8	13.85	0.419	4.33	9.48	-142.0	outofRange	Purged dry (2)	7.5
06/12/17	1632	13.85	1.75	3.8	13.13	0.447	6.09	7.93	-41.5	outofRange	Purged dry (3)	9.25
06/13/17	0930	10.10	2.5	3.8	13.16	0.483	6.05	7.12	147.0	outofRange	Purged Dry (4)	11.75
6-13-17	1047	14.44	1.5	3.8	13.76	0.464	6.04	7.03	128.6	outofRange	Purged Dry (5)	13.25
6-13-17	1050	21.61	NA	NA	NA	NA	NA	NA	NA	NA		
6-13-17	1145	16.08	1.25	3.8	14.65	0.456	7.24	7.21	114.5	outofRange	Purged Dry (6)	14.5 (0.1)
6-13-17	1148	21.58	NA	NA	NA	NA	NA	NA	NA	NA		
6-13-17	1248	16.03	1.25	3.8	14.48	0.446	6.86	7.08	105.1	outofRange	Purged Dry (7)	15.75
6-13-17	1251	21.50	NA	NA	NA	NA	NA	NA	NA	NA		
6-13-17	1351	16.29	1	3.8	14.98	0.431	7.54	7.22	111.9	outofRange	Purged Dry (8)	16.75
6-13-17	1354	21.40	NA	NA	NA	NA	NA	NA	NA	NA		
6-13-17	1444	17.45	1	0.4100	18.15	0.428	7.08	6.72	123.0	outofRange	Purged Dry (9) (8.5)	17.75 (0.01)
6-15-17	1330	-	-	-	15.57	0.441	6.25	6.46	50.8	310.9	Collected w/ peristaltic # 3670 intake at approx 23.3 ftbtoc	
06/17/17	0755	9.20	-	-	Water	level.						

Drawdown: minimal Measurements: 3-5 min Stabilization: +/- 0.5 C, +/- 3% conductivity, +/- 10% DO, +/- 0.1 pH, +/-10 mv ORP, turb=as low as possible (<10 NTU ideal) All for 3 consecutive readings

MONITORING WELL DEVELOPMENT FORM

LOCATION	Site: Camp Hero - Suspected Tank B	LocID: CH-MW027
	Project Name: Camp Hero Phase 3	Project #:

Date (mm/dd/yy)	Time (24 hr)	Water Level (FTOC)	Volume Removed (Gals)	Pumping Rate (Lpm)	Temp. (C)	Specific Conduct. (mS/cm)	DO (mg/L)	pH	ORP (mv)	Turb. (NTU)	Notes
06/17/17	0813	-	-	5.6	Begin purging with Monsoon Progressive pump #001714						
	0915	TD	3.1	5.6	Well dry. Stop pumping.						20.85 gal total
	1045	10.52	-	4.7	Resume purging. Water clear at first.						
	1047	TD	2.5	4.7	Well dry. Stop pumping.						23.35 gal total
	1150	15.90	-	3.8	Resume purging. Turbid						
	1152	TD	2.0	3.8	Well dry. Stop pumping						25.35 gal total
	1205	-	-	~3.8	Resume purging. Turbid.						
	1205	TD	0.5	~3.8	Well dry. Stop pumping.						25.85 gal total
	1313	-	-	~4.9	Resume pumping. Turbid, but starts to clear some after first seconds.						
	1314	TD	1.3	~4.9	Well dry. Stop pumping.						27.15 gal total
	1344	-	-	~4.9	Resume purging. Turbid, but starts to clear after few seconds						
	1345	TD	0.9	~4.9	Well dry. Stop pumping						28.05 gal total
06/18/17	1135	-	-	-	14.47	0.366	4.80	6.49	-9.9	59.5	TD - 28.65 ft btoc Collected w/peristaltic pump # 3670, intake at ~ 23.1 ft btoc

Drawdown: minimal Measurements:3-5 min Stabilization:+/- 0.5 C, +/- 3% conductivity, +/- 10% DO, +/- 0.1 pH, +/-10 mv ORP, turb=as low as possible (=10 NTU ideal) All for 3 consecutive readings

MONITORING WELL DEVELOPMENT FORM

LOCATION	Site: STB Suspected Tank B	LocID: CH-MW028	Date: 06/12/17 - 06/18/17
	Project Name: Camp Hero Phase 3	Project #: 60443903	Recorded By: JCS Checked By:
EQUIPMENT	H2O Quality Meter Type/ID #: YSI 6920V2 #15E101087	Development Equipment: Proactive Monsoon #001716	
	Water Level Indicator Type/ID #: Solinst 101 #32254	Equipment Decon.: Liquinox wash, distilled rinse	
WELL (btoc) INFO	Casing I.D. (in): 2-inch	Water Column Thickness (ft): 25.09	Initial Depth to Water (ft): 1.71 ft btoc
	Total Well Depth (ft): Initial 26.80, 28.58 end	Water Volume (gal/lin ft): 0.1632	Well head PID = 5.1 ppm
	Remarks: 1 purge volume = casing volume + saturated annulus + water added drilling = 4.1 gal + 4.7 gal + 35 gal = 43.8 gal		

10-foot screen

Date (mm/dd/yy)	Time (24 hr)	Water Level (FTOC)	Volume Removed (Gals) running total	Pumping Rate (Lpm)	Temp. (C)	Specific Conduct. (mS/cm)	DO (mg/L)	pH	ORP (mv)	Turb. (NTU)	Notes
06/12/17	1150	~1.40	0.0	3.72	—	—	—	—	—	—	begin pumping
	1154	TD	4.0	3.72	12.91	0.345	1.13	7.64	-435.6	>2000	stop pumping, well dry
	1204	20.71	4.0	—	—	—	—	—	—	—	waiting for recharge
	1214	20.14	4.0	—	—	—	—	—	—	—	↓
	1224	19.85	4.0	—	—	—	—	—	—	—	TD is now ~28.4 ft btoc
	1234	19.55	4.0	—	—	—	—	—	—	—	waiting for recharge
	1244	19.31	4.0	—	—	—	—	—	—	—	wait, but surge with pump
	1300	17.35	4.0	—	—	—	—	—	—	—	begin pumping
	1301	TD	5.7	7.0	—	—	—	—	—	—	stop pumping, well dry, recharge
	1607	17.97	5.7	—	Surge vigorously with pump (no pumping).						
	1616	—	5.7	—	Resume pumping.						
	1617	TD	7.8	7.8	Well is dry. Stop pumping.						
06/13/17	0758	8.29	7.8	—	Surge vigorously w/o pumping						
	0807	—	7.8	6.6	Resume pumping.						
	0809	TD	11.3	6.6	Well is dry. Stop pumping.						
	0948	19.75	11.3	—	Surge w/o pumping.						
	0954	—	11.3	4.5	Resume pumping.						
	0955	TD	12.5	4.5	Well is dry. Stop pumping.						

Drawdown: minimal Measurements:3-5 min Stabilization:+/- 0.5 C, +/- 3% conductivity, +/- 10% DO, +/- 0.1 pH, +/-10 mv ORP, turb=as low as possible (<10 NTU ideal) All for 3 consecutive readings

MONITORING WELL DEVELOPMENT FORM

LOCATION	Site: Camp Hero	LocID: CH-MW028
	Project Name: Camp Hero Phase 3	Project #: 60443903

Date (mm/dd/yy)	Time (24 hr)	Water Level (FTOC)	Volume Removed (Gals)	Pumping Rate (Lpm)	Temp. (C)	Specific Conduct. (mS/cm)	DO (mg/L)	pH	ORP (mv)	Turb. (NTU)	Notes
06/13/17	1128	20.25	12.5	-	Note that recharge is approx 54 mL/min at this drawn down level						
	1130	-	12.5	4.5	Resume pumping.						
	1131	TD	13.7	4.5	Well is dry, stop pumping. Not as much sand in purge						
					water, but still very turbid. TD = 28.58 ft btoc						
06/14/17	1655	←	13.7	-	17.18	0.316	4.96	6.26	-33.1	282.3	Collect w/peristaltic #3670, intake at 23.6 ft btoc,
06/17/17	0830	7.43	13.7	-	Water level						
	0843	-	13.7	5.0	Resume purging with Monsoon Proactive pump #003155						
	0846	TD	17.7	5.0	Well dry. Stop pumping. 4.0 gal removed.						
	1057	19.90	17.7	5.7	Resume pumping.						
	1058	TD	19.2	5.7	Well dry. Stop pumping 1.5 gal removed.						
	1158	22.21	19.2	3.4	Resume pumping						
	1159	TD	20.1	3.4	Well dry. Stop pumping. 0.9 gal removed.						
	1319	-	20.1	~3.4	Resume pumping, Turbid, but starts to clear after few seconds.						
	1320	TD	20.9	~3.4	Well dry. Stop pumping. 0.8 gal removed. TD = 28.58 ft btoc						
06/18/17	1120	-	20.9	-	14.45	0.295	4.90	6.25	-55.6	19.2	Collect w/peristaltic #3670 intake at 23.6 ft btoc

Drawdown: minimal Measurements: 3-5 min Stabilization: +/- 0.5 C, +/- 3% conductivity, +/- 10% DO, +/- 0.1 pH, +/-10 mv ORP, turb=as low as possible (=10 NTU ideal) All for 3 consecutive readings

MONITORING WELL DEVELOPMENT FORM

LOCATION	Site: Camp Hero – Near DU17	LocID: CH-MW029	Date: 06/15/17
	Project Name: Camp Hero Phase 3	Project #: 60443903	Recorded By: JCS Checked By:
EQUIPMENT	H2O Quality Meter Type/ID #: YSI 6920V2 "ISE101087	Development Equipment: Proactive Monsoon #003155	
	Water Level Indicator Type/ID #: Solinst 101 # 32254	Equipment Decon.: Liquinox wash, potable rinse, distilled rinse	
WELL INFO	Casing I.D. (in): 2-inch	Water Column Thickness (ft): 10.20 btoc	Initial Depth to Water (ft): 6.46 ft
	Total Well Depth (ft): Initial = 16.66, 20.93 end	Water Volume (gal/lin ft): 0.1632	Well head PID = 0.5 ppm
	Remarks: 1 purge volume = casing volume + saturated annulus + water added drilling = 1.7 gal + 4.7 gal + 25 gal = 31.4 gal		10-foot screen

Date (mm/dd/yy)	Time (24 hr)	Water Level (FTOC)	Volume Removed (Gals)	Pumping Rate (Lpm)	Temp. (C)	Specific Conduct. (mS/cm)	DO (mg/L)	pH	ORP (mv)	Turb. (NTU)	Notes
06/15/17	—	0.0	0.0	—	06/15/17						
	0905	6.00	0.0	4.7	Begin pumping						
	0908	TD	3.7	4.7	Well is dry. Stop pumping. TD now ~19.6 ft btoc. ½ gallon fine sand removed						
	0915	–	3.7	–	11.34	0.247	5.54	6.19	-43.5	>2000	
	0920	7.53	3.7	–	Waiting for recharge. Recharge rate ~620 mL/min over 12 min (at significant drawdown						
	0923	7.40	3.7	–	Recharge is ~27 mL/min as water level is closer to equilibrium.						
	0928	7.28	3.7	8.3	Resume pumping.						
	0929	TD	5.9	8.3	Well is dry. Stop pumping. 2.2 gal removed.						
	0935	9.30	5.9	–	Surge w/o pumping.						
	0940	–	5.9	8.3	Resume pumping.						
	0941	TD	8.1	8.3	Well is dry. Stop pumping. 2.2 gal removed.						
	0950	9.30	8.1	–	Surge w/o pumping.						
	0954	–	8.1	8.3	Resume pumping.						
	0955	TD	10.3	8.3	Well is dry. Stop pumping. 2.2 gal removed.						
	1004	8.72	10.3	–	Surge w/o pumping						
	1008	–	10.3	8.7	Resume pumping.						
	1009	TD	12.6	8.7	Well is dry. Stop pumping. 2.3 gal removed.						

Drawdown: minimal Measurements: 3-5 min Stabilization: +/- 0.5 C, +/- 3% conductivity, +/- 10% DO, +/- 0.1 pH, +/-10 mv ORP, turb=as low as possible (<10 NTU ideal) All for 3 consecutive readings

MONITORING WELL DEVELOPMENT FORM

LOCATION	Site: Camp Hero - Near DU 17	LocID: CH-MW029
	Project Name: Camp Hero Phase 3	Project #: 60443903

Date (mm/dd/yy)	Time (24 hr)	Water Level (FTOC)	Volume Removed (Gals)	Pumping Rate (Lpm)	Temp. (C)	Specific Conduct. (mS/cm)	DO (mg/L)	pH	ORP (mv)	Turb. (NTU)	Notes
06/19/17	1017	9.30	12.6	-	Surge w/o pumping						
	1021	-	12.6	8.7	Resume pumping.						
	1022	TD	14.9	8.7	Well is dry. Stop pumping.				2.3 gal removed.		
	1028	9.30	14.9	-	Surge w/o pumping						
	1032	-	14.9	9.1	Resume pumping.						
	1033	TD	17.3	9.1	Well is dry. Stop pumping.				2.4 gal removed.		
	1039	9.30	17.3	-	Surge w/o pumping.						
	1043	-	17.3	9.1	Resume pumping.						
	1044	TD	19.7	9.1	Well is dry. Stop pumping.				2.4 gal removed.		
	1050	9.30	19.7	-	Surge w/o pumping.						
	1054	-	19.7	9.1	Resume pumping.						
	1055	TD	22.1	9.1	Well is dry. Stop pumping.				2.4 gal removed.		
	1101	9.30	22.1	7.6	Resume pumping.						
	1102	TD	24.1	7.6	Well is dry. Stop pumping.				2.0 gal removed.		
	1108	9.30	24.1	7.6	Resume pumping.						
	1109	TD	26.1	7.6	Well is dry. Stop pumping.				2.0 gal removed		
	1115	9.30	26.1	7.6	Resume pumping. Water clearing, but still cloudy/turbid with some sand						
	1116	TD	28.1	7.6	Well is dry. Stop pumping.				2.0 gal removed.		
	1122	9.30	28.1	7.6	Resume pumping.						
	1123	TD	30.1	7.6	Well is dry. Stop pumping.				2.0 gal removed.		
	1130	9.30	30.1	7.6	Resume pumping.						
	1131	TD	32.1	7.6	Well is dry. Stop pumping.				2.0 gal removed.		
	1138	9.30	32.1	7.2	Resume pumping. Still cloudy/turbid, but less sand.						
	1139	TD	34.0	7.2	Well is dry. Stop pumping.				1.9 gal removed		
	1145	9.30	34.0	7.9	Resume pumping.						

Drawdown: minimal Measurements:3-5 min Stabilization:+/- 0.5 C, +/- 3% conductivity, +/- 10% DO, +/- 0.1 pH, +/-10 mv ORP, turb=as low as possible (=10 NTU ideal) All for 3 consecutive readings

MONITORING WELL DEVELOPMENT FORM

LOCATION	Site: Camp Hero - Near DV17	LocID: CH-MW029
	Project Name: Camp Hero Phase 3	Project #: 60443903

Date (mm/dd/yy)	Time (24 hr)	Water Level (FTOC)	Volume Removed (Gals)	Pumping Rate (Lpm)	Temp. (C)	Specific Conduct. (mS/cm)	DO (mg/L)	pH	ORP (mv)	Turb. (NTU)	Notes
06/15/17	1146	TD	36.1	7.9	Well is dry. Stop pumping. 2.1 gal removed.						
	1152	9.30	36.1	7.6	Resume pumping.						
	1153	TD	38.1	7.6	Well dry. Stop pumping. 2.0 gal removed.						
	1159	9.30	38.1	7.9	Resume pumping.						
	1200	TD	40.2	7.9	Well is dry. Stop pumping. 2.1 gal removed						
	1207	9.30	40.2	7.9	Resume pumping.						
	1208	TD	42.3 ~~40.3~~	7.9	Well is dry. Stop pumping. 2.1 gal removed						
	1210	—	42.3	—	11.73	0.218	10.81	5.90	68.8	44.1	TD = 20.93 ft bTOC Pump intake at ~15.9 ft bTOC

Drawdown: minimal Measurements:3-5 min Stabilization:+/- 0.5 C, +/- 3% conductivity, +/- 10% DO, +/- 0.1 pH, +/-10 mv ORP, turb=as low as possible (=10 NTU ideal) All for 3 consecutive readings

MONITORING WELL DEVELOPMENT FORM

LOCATION	Site: DU12	LocID: CH-MW030	Date: 20 JUN 2017
	Project Name: Camp Hero Remedial Investigation	Project #: 604393	Recorded By: Checked By:
EQUIPMENT	H2O Quality Meter Type/ID #: 6920 15E101088	Development Equipment: Monsoon 001715 Booster D11879	
	Water Level Indicator Type/ID #: Geotech 5699	Equipment Decon.: Liquinox + subsequent DI water rinse	
WELL INFO	Casing I.D. (in): 2	Water Column Thickness (ft): 15.33	Initial Depth to Water (ft): 4.70
	Total Well Depth (ft): 20.03, 20.36 end	Water Volume (gal/lin ft): 2.45	
	Remarks: 1well volume = Casing Volume + Annulus Volume* + water Added 2.45 + 4.69 0 = 7.14 10-foot screen		

Date (mm/dd/yy)	Time (24 hr)	Water Level (FTOC)	Volume Removed (Gals)	Pumping Rate (Lpm)	Temp. (C)	Specific Conduct. (mS/cm)	DO (mg/L)	pH	ORP (mv)	Turb. (NTU)	Notes
06-20-17	1200	4.70	NA	NA	NA	NA	NA	NA	NA	NA	Initial Reading
6-20-17	1209	4.70	5.5	5.20 (1.38)	16.94	0.323	0.44	6.33	-90.7	out of range	Purged Day(1) Dark Brown sediment on Bottom
6-20-17	1310	13.81	5.75	2.64 (0.91)	NA	NA	NA	NA	NA	NA	Purged Day(2) "
6-20-17	1434	10.58	3.25	3.78 (1.0)	NA	NA	NA	NA	NA	NA	Purged Day(3)
6-20-17	1634	6.83	3.5	1.01	15.00	0.284	8.98	6.44	-27.9	467.7	Purged Day(4)

Drawdown: minimal Measurements:3-5 min Stabilization:+/- 0.5 C, +/- 3% conductivity, +/- 10% DO, +/- 0.1 pH, +/-10 mv ORP, turb=as low as possible (<10 NTU ideal) All for 3 consecutive readings

MONITORING WELL DEVELOPMENT FORM

LOCATION	Site: OU 14	LocID: CH-MW031	Date: 15JUN2017 - 06/20/17
	Project Name: Camp Hero Remedial Investigation	Project #: 60443903	Recorded By: RB Checked By: JES
EQUIPMENT	H2O Quality Meter Type/ID #: 6920YSI / 15E101088	Development Equipment:	
	Water Level Indicator Type/ID #: Geotech 5699	Equipment Decon.: Alconox + DI water rinse	
WELL INFO	Casing I.D. (in): 2 final 20.30	Water Column Thickness (ft): 6.86	Initial Depth to Water (ft): ~~19.68~~ 12.82
	Total Well Depth (ft): 19.68 ~~(final 20.08) 20.30~~	Water Volume (gal/lin ft): 1.09	
	Remarks: 1 well volume = Casing Volume + Annulus Volume + water Added = 3.77 1.09 gal 2.68 0		10-foot screen

Date (mm/dd/yy)	Time (24 hr)	Water Level (FTOC)	Volume Removed (Gals)	Pumping Rate (Lpm)	Temp. (C)	Specific Conduct. (mS/cm)	DO (mg/L)	pH	ORP (mv)	Turb. (NTU)	Notes
06/15/17	1016	12.82	2.5	1.25gpm	11.42	0.258	1.61	6.32	62.9	out of Range	~~Purged Dry(1)~~ Cloudy light Gray
06-15-17	1018	17.52	NA	NA	NA	NA	NA	NA	NA	NA	
06-15-17	1118	15.95	0.79		NA	NA	NA	NA	NA	NA	Purged Dry(2) 49mL ~~out~~ gen 3.29
06-15-17	1125	17.24	NA	NA	NA	NA	NA	NA	NA	NA	
6-15-17	1221	16.79	0.52	NA	NA	NA	NA	NA	NA	NA	Purged Dry(3) 34mL 3.81
6-15-17	1323	Below pump	0.26		NA	NA	NA	NA	NA	NA	Purged Dry(4) 4.07
6-15-17	1424	water Below pump	0.13		NA	NA	NA	NA	NA	NA	Purged Dry (5) 4.20
6-15-17	1524	water Below Pump	<0.13		14.19	0.263	4.26	6.63	66.3	out of Range	Purged Dry (6)
6-15-17	1527	17.97	NA	NA	NA	NA	NA	NA	NA	NA	
06/16/17	1427	15.01	-	-	Purge & surge with bailer.				Very turbid/cloudy. Light gray.		
	1439	TD	2.5	-	Well bailed dry.						6.7
06/17/17	0949	15.20	-	-	Begin purging w/bailer. First bailer (no surging) entirely turbid, gray						
	0959	TD	2.4	-	Well bailed dry, Surge w/bailer.						9.1 gal removed
	1241	-	-	-	Begin bailing. First bailer has 2 ft water. Entirely turbid.						
	1243	TD	0.6	-	Well bailed dry. No surging.						9.7 gal total
	1440	-	-	-	Begin bailing. Still very turbid. Suspended fines (clay) in water						
	1441	TD	0.4	-	Well bailed dry. No surging.						10.1 gal total
06/18/17	1252	15.54	-	-	Begin bailing. Still very turbid.						

Drawdown: minimal Measurements:3-5 min Stabilization:+/- 0.5 C, +/- 3% conductivity, +/- 10% DO, +/- 0.1 pH, +/-10 mv ORP, turb=as low as possible (<10 NTU ideal) All for 3 consecutive readings

MONITORING WELL DEVELOPMENT FORM

LOCATION	Site: Camp Hero - Near DU14	LocID: CH-MW031
	Project Name: Camp Hero Phase 3	Project #: 60443903

Date (mm/dd/yy)	Time (24 hr)	Water Level (FTOC)	Volume Removed (Gals)	Pumping Rate (Lpm)	Temp. (C)	Specific Conduct. (mS/cm)	DO (mg/L)	pH	ORP (mv)	Turb. (NTU)	Notes
06/18/17	1256	TD	2.0	—	Well bailed dry. No surging						12.1 gal total
06/19/17	1219	15.05	-	-	Begin bailing. Still very turbid.						
	1225	TD	2.0	-	Well bailed dry. No surging.						14.1 gal total
06/20/17	0940	-	-	-	13.77	0.216	9.06	6.61	27.8	1,094	Begin bailing
	0945	TD	2.0	-	Well bailed dry. TD = 20.30 ftbtoc						16.1 gal total
					No decrease in turbidity. Regardless of number of						
					times bailed dry. Well will probably clear up better						
					if we stop purging it. Consider developed.						

Drawdown: minimal Measurements: 3-5 min Stabilization: +/- 0.5 C, +/- 3% conductivity, +/- 10% DO, +/- 0.1 pH, +/-10 mv ORP, turb=as low as possible (=10 NTU ideal) All for 3 consecutive readings

MONITORING WELL DEVELOPMENT FORM

LOCATION	Site: Drill	LocID: CH-MW037	Date: 16 JUN 2017 / 19 JUN 2017
	Project Name: CAMP Mero Investigation	Project #: 6044393	Recorded By: Checked By:
EQUIPMENT	H2O Quality Meter Type/ID #: 6920 15E101088	Development Equipment: Monsoon 001715 D11879	
	Water Level Indicator Type/ID #: Geotech 5699	Equipment Decon.: Liquinox & DI water rinse	
WELL INFO	Casing I.D. (in): 2	Water Column Thickness (ft): 15.37	Initial Depth to Water (ft): 10.74
	Total Well Depth (ft): 26.11 (27.77 final)	Water Volume (gal/lin ft): 2.45	
	Remarks: 1 well Volume = Casing Volume + Annulus Volume + water Added = 49.1 2.45 + 6.65 + 40 15-foot screen		

Date (mm/dd/yy)	Time (24 hr)	Water Level (FTOC)	Volume Removed (Gals)	Pumping Rate (Lpm)	Temp. (C)	Specific Conduct. (mS/cm)	DO (mg/L)	pH	ORP (mv)	Turb. (NTU)	Notes		
6-16-17	1344	10.74	9	11.35 (3)	NA	NA	NA	NA	NA	NA	Purged dry (1)		
6-16-17	1406	11.82	NA	NA	12.94	0.242	1.79	6.57	-78.0	1669.7	start development		
6-16-17	1425	DRY	5.85	1.13 (0.3)	NA	NA	NA	NA	NA	NA	Purged dry (2)	9"	14.85
6-16-17	1440	DRY	4.125	3.89 (1.03)	NA	NA	NA	NA	NA	NA	Purged dry (3)	11.5	
6-16-17	1503	DRY	6	2.04 (0.54)	12.01	0.250	2.37	6.40	-106.5	1657.7	Purged dry (4)	17.5	
6-16-17	1521	DRY	4	5.03 (1.33)	NA	NA	NA	NA	NA	NA	Purged dry (5)	21.5	
6-16-17	1540	DRY	5.5	2.57 (0.68)	11.67	0.259	4.75	6.88	-52.6	1652.7	Purged dry (6)	27	
6-16-17	1600	DRY	3.5	6.62 (1.75)	NA	NA	NA	NA	NA	NA	Purged dry (7)	30.5	
6-16-17	1611	DRY	3.5	6.62 (1.75)	NA	NA	NA	NA	NA	NA	Purged dry (8)	34	
6-16-17	1620	15.60	5	3.78 (1)	13.16	0.242	6.35	6.44	16.4	88.4	Purged dry (9)	39	
6-17-17	0829	11.14	0.52	1.96 (0.52)	13.28	0.159	11.91	7.05	22.4	137.2			
6-19-17	0838	DRY	7	2.64 (0.7)	14.21	0.161	5.82	5.36	28.4	34.8	Purged dry (10)	46.5	
6-19-17	0856	11.00	4.5	12.30 (3.25)	NA	NA	NA	NA	NA	NA	Purged dry (11)	51	
6-19-17	0918	12.00	8	1.58 (0.42)	14.99	0.237	6.38	5.89	-0.6	40.6	Purged dry (12)	59	
6-19-17	1005	12.00	6.75	2.83 (0.75)	13.09	0.229	6.68	5.74	-8.7	22.3	Purged dry (13)		
6-19-17	1040	12.20	6.5	0.310	14.38	0.220	6.96	5.63	5.8	7.7	Purged dry (14)	72.25	53.25

Drawdown: minimal Measurements:3-5 min Stabilization:+/- 0.5 C, +/- 3% conductivity, +/- 10% DO, +/- 0.1 pH, +/-10 mv ORP, turb=as low as possible (<10 NTU ideal) All for 3 consecutive readings

MONITORING WELL DEVELOPMENT FORM

LOCATION	Site: DU11	LocID: CH-MW033	Date: 16 JUN 2017
	Project Name: CAMP Hero Remedial Investigation	Project #: 604393	Recorded By: Checked By:
EQUIPMENT	H2O Quality Meter Type/ID #: 6920 15E 10/098	Development Equipment: Monsoon 001715 Booster 211879	
	Water Level Indicator Type/ID #: Geotech 5819	Equipment Decon.: Liquinox and DI water rinse	
WELL INFO	Casing I.D. (in): 2	Water Column Thickness (ft): 25.90	Initial Depth to Water (ft): 6.27
	Total Well Depth (ft): 32.17 (final 32.25)	Water Volume (gal/lin ft): 4.14	
	Remarks: 1 well volume = Casing Volume + Annulus Volume + water added ≈ 50.79 4.14g + 6.65g + 40g		

Date (mm/dd/yy)	Time (24 hr)	Water Level (FTOC)	Volume Removed (Gals)	Pumping Rate (Lpm)	Temp. (C)	Specific Conduct. (mS/cm)	DO (mg/L)	pH	ORP (mv)	Turb. (NTU)	Notes	
06-16-17	0856	6.27	9	11.35 (3)	11.33	0.219	5.40	5.98	5.9	at of RANGE	Purged dry (1)	
6-16-17	1008	DRY	32.25	2.23 (0.59)	NA	NA	NA	NA	NA	NA	Purged dry (2)	41.25
6-16-17	1036	NA	26.05	8.21 (2.17)	11.81	0.195	6.43	5.73	77.9	270.3	orgnish brown cloudy	(2.25) 67.3
6-16-17	1117	DRY	22.27	2.04 (0.54)	NA	NA	NA	NA	NA	NA	Purged dry (3)	(116) 89.57
6-16-17	1156	20.48	16.5	4.16 (1.1)	12.42	0.205	7.87	6.10	94.4	549.0		106.07
6-16-17	1208	DRY	3.93	1.21 (0.32)	NA	NA	NA	NA	NA	NA	Purged dry (4)	110g
6-16-17	1233	6.90	NA	NA	NA	NA	NA	NA	NA	NA	Restart development	@
6-16-17	1254	10.78	8.25	1.47 (0.39)	12.54	0,193	6.57	5.26	109.5	6.9		118.25

Drawdown: minimal Measurements:3-5 min Stabilization:+/- 0.5 C, +/- 3% conductivity, +/- 10% DO, +/- 0.1 pH, +/-10 mv ORP, turb=as low as possible (<10 NTU ideal) All for 3 consecutive readings

MONITORING WELL DEVELOPMENT FORM

LOCATION	Site: DU13	LocID: CH-MW034	Date: 15JUN2017 - 06/18/17
	Project Name: Camp Mepo Remedial Investigation	Project #: 60443903	Recorded By: RB Checked By: JCS
EQUIPMENT	H2O Quality Meter Type/ID #: YSI 6920 15E101082	Development Equipment: Monsoon 001715 / Booster D11879	
	Water Level Indicator Type/ID #: Geotech 5699	Equipment Decon.: Alconox with Subsequent DI water rinse	
WELL INFO	Casing I.D. (in): 2	Water Column Thickness (ft): 10.16	Initial Depth to Water (ft): 25.34
	Total Well Depth (ft): 35.50 ~~(For 35.53) 6/16/17~~	Water Volume (gal/lin ft): 1.62	
	Remarks: 1 well Volume = Casing Volume + Annulus Volume + water Added = 1.62 gal + 3.97 gal + 0 gal = 5.6 gal		

15-foot screen

Date (mm/dd/yy)	Time (24 hr)	Water Level (FTOC)	Volume Removed (Gals)	Pumping Rate (Lpm)	Temp. (C)	Specific Conduct. (mS/cm)	DO (mg/L)	pH	ORP (mv)	Turb. (NTU)	Notes
06-15-17	0934	25.34	3	1.5	11.50	0.236	4.54	6.72	171.5	~~a to~~ PWG	Purged dry (1) - Ryegrass Clay Brown
06-15-17	0937	31.39	NA	NA	NA	NA	NA	NA	NA	NA	
06-15-17	1043	29.85	1.25	1.25	NA	NA	NA	NA	NA	NA	Purged Dry (2) $\frac{6 gal}{.018 gpm}$ 4.25
06-15-17	1045	31.88	NA	NA	NA	NA	NA	NA	NA	NA	
06-15-17	1147	30.91	0.75	NA	NA	NA	NA	NA	NA	NA	Purged Dry (3) 5
06-15-17	1149	32.09	NA	NA	NA	NA	NA	NA	NA	NA	
6-15-17	1256	~~32.09~~ PID	0.75		NA	NA	NA	NA	NA	NA	Purged Dry (4) 5.75
6-15-17	1258	32.09	NA	NA	NA	NA	NA	NA	NA	NA	
6-15-17	1351	31.32	0.65		NA	NA	NA	NA	NA	NA	Purged Dry (5) 6.4
6-15-17	1353	32.11	NA	NA	NA	NA	NA	NA	NA	NA	
6-15-17	1451	31.06	0.65		14.70	0.240	7.44	7.35	235.2	a to PWG	Purged Dry (6) 7.05
6-15-17	1453	32.15	NA	NA	NA	NA	NA	NA	NA	NA	
6-15-17	1612	30.73	1.71	0.72	NA	NA	NA	NA	NA	NA	8.76
06/16/17	1332	28.04	–	–	Begin purging with bailer. Surge w/ bailer while purging.						
	1404	TD	4.0	–	Well purged dry.						12.76
06/17/17	0921	27.98	–	–	Begin purging w/ bailer. First 2 ft in first bailer relatively clear.						
	0938	TD	4.0	–	Well bailed dry. Surge (top) bail.						16.76
	1223	–	–	–	Begin purging w/ bailer. Top 1.5 ft in first bailer starting to settle						

Drawdown: minimal Measurements: 3-5 min Stabilization: +/- 0.5 C, +/- 3% conductivity, +/- 10% DO, +/- 0.1 pH, +/-10 mv ORP, turb=as low as possible (<10 NTU ideal) All for 3 consecutive readings

MONITORING WELL DEVELOPMENT FORM

LOCATION	Site: Camp Hero - Near OU13	LocID: CH-MW034
	Project Name: Camp Hero Phase 3	Project #: 60443903

Date (mm/dd/yy)	Time (24 hr)	Water Level (FTOC)	Volume Removed (Gals)	Pumping Rate (Lpm)	Temp. (C)	Specific Conduct. (mS/cm)	DO (mg/L)	pH	ORP (mv)	Turb. (NTU)	Notes
06/17/17	1233	TD	2.5	–	Well bailed dry. No surging.						19.26 gal total
	1424	–	–	–	Begin bailing. First 3 full bailers quite clear						
	1432	TD	2.2	–	Well bailed dry. No surging.						TD = 35.66 21.46 gal total
06/18/17	1215	–	–	–	12.80	0.208	9.92	6.62	37.6	51.7	Collected w/ bailer

Drawdown: minimal Measurements: 3-5 min Stabilization: +/- 0.5 C, +/- 3% conductivity, +/- 10% DO, +/- 0.1 pH, +/-10 mv ORP, turb=as low as possible (=10 NTU ideal) All for 3 consecutive readings

MONITORING WELL DEVELOPMENT FORM

LOCATION	Site: DV13	LocID: CH-MW035	Date: 15 JUN 2017 - 06/18/17
	Project Name: Camp Hero Remedial Investigation	Project #: 6044 3903	Recorded By: RB Checked By: JCS
EQUIPMENT	H2O Quality Meter Type/ID #: YSI 6920 15E101088	Development Equipment:	
	Water Level Indicator Type/ID #: Geotech 5699	Equipment Decon.: Alconox and subsequent DI water rinse	
WELL INFO	Casing I.D. (in): 2 32.86 (Final)	Water Column Thickness (ft): 4.7	Initial Depth to Water (ft): 26.83
	Total Well Depth (ft): 31.53 ~~(Final 31.92)~~ 6/16/17	Water Volume (gal/lin ft): 0.75	
	Remarks: well volume = Casing volume + Annulus volume + water added 0.75 + 1.83 + 0 = 2.58		

15-foot screen

Date (mm/dd/yy)	Time (24 hr)	Water Level (FTOC)	Volume Removed (Gals)	Pumping Rate (Lpm)	Temp. (C)	Specific Conduct. (mS/cm)	DO (mg/L)	pH	ORP (mv)	Turb. (NTU)	Notes	
06-15-17	0858	26.83	0.52 2L		15.72	0.129	0	5.78	82.9	interference	Purged Dry(1) Cloudy Brown	
06-15-17	0859	27.32	NA	NA	NA	NA	NA	NA	NA	NA		
6-15-17	1033	27.02	0.5		NA	NA	NA	NA	NA	NA	Purged Dry(2)	1
6-15-17	1036	27.68	NA	NA	NA	NA	NA	NA	NA	NA		
6-15-17	1137	27.20	0.375		NA	NA	NA	NA	NA	NA	Purged Dry(3) 22mL .005	1.375
6-15-17	1140	27.75	NA	NA	NA	NA	NA	NA	NA	NA		
6-15-17	1245	27.24	0.46		NA	NA	NA	NA	NA	NA	Purged Dry(4)	1.835
6-15-17	1247	28.11	NA	NA	NA	NA	NA	NA	NA	NA		
6-15-17	1345	27.29	0.26		NA	NA	NA	NA	NA	NA	Purged Dry(5)	2.09
6-15-17	1347	28.23	NA	NA	NA	NA	NA	NA	NA	NA		
6-15-17	1443	27.31	0.26		NA	NA	NA	NA	NA	NA	Purged Dry(6)	235
6-15-17	1549	27.30	0.26		15.07	0.119	7.50	5.95	180.4	interference	Purged Dry(7)	2.61
6-15-17	1551	30.20	NA	NA	NA	NA	NA	NA	NA	NA		
06/16/17	1236	26.97	NA	NA	Begin purging manually w/ Waterra foot valve.							
	1300	TD	1.2	-	Well purged dry							3.81
	1501	—	—	—	Begin surging & purging w/ bailer							
	1512	TD	2.4	-	Well bailed dry							6.21
06/17/17	1017	26.19	—	—	Begin purging with bailer. Top 2 ft of first bailer (no surge) quite clear.							

Drawdown: minimal Measurements:3-5 min Stabilization:+/- 0.5 C, +/- 3% conductivity, +/- 10% DO, +/-0.1 pH, +/-10 mv ORP, turb=as low as possible (<10 NTU ideal) All for 3 consecutive readings

MONITORING WELL DEVELOPMENT FORM

LOCATION	Site: Camp Hero - Near DU13	LocID: CH-MW035
	Project Name: Camp Hero Phase 3	Project #: 60443903

Date (mm/dd/yy)	Time (24 hr)	Water Level (FTOC)	Volume Removed (Gals)	Pumping Rate (Lpm)	Temp. (C)	Specific Conduct. (mS/cm)	DO (mg/L)	pH	ORP (mv)	Turb. (NTU)	Notes
06/17/17	1026	TD	2.3	-	Well	bailed dry. Surged while bailing.					8.51 gal total
	1252	-	-	-	Begin bailing. Entire first bailer clear						
	1300	TD	2.3	-	Well bailed dry. No surging.						TD - 32.86 ft btoc
06/18/17	1206	-	-	-	13.15	0.103	9.70	5.73	99.2	148.4	Collected w/bailer.

Drawdown: minimal Measurements: 3-5 min Stabilization: +/- 0.5 C, +/- 3% conductivity, +/- 10% DO, +/- 0.1 pH, +/-10 mv ORP, turb=as low as possible (=10 NTU ideal) All for 3 consecutive readings

MONITORING WELL DEVELOPMENT FORM

LOCATION	Site: D008	LocID: CH-MW036	Date: 14JUN2017 - 06/15/17
	Project Name: Camp Hero Remedial Investigation	Project #: 60443963	Recorded By: Checked By:
EQUIPMENT	H2O Quality Meter Type/ID #: YSI 6920 : 15E1010881	Development Equipment: MiniMonsoon 003155	
	Water Level Indicator Type/ID #: Geotech 5699	Equipment Decon.: Liquinox w/ DI water rinse	
WELL INFO	Casing I.D. (in): 2	Water Column Thickness (ft): 10.58	Initial Depth to Water (ft): 4.51
	Total Well Depth (ft): initial 15.09, 15.23 end	Water Volume (gal/lin ft): ~~6/27/17: 1.69~~ 0.1632	
	Remarks: 1 well Volume = Casing Volume 1.69 + Annulus Volume 4.69 + water Added 5g = 11.38g		

10-foot screen

Date (mm/dd/yy)	Time (24 hr)	Water Level (FTOC)	Volume Removed (Gals)	Pumping Rate (Lpm)	Temp. (C)	Specific Conduct. (mS/cm)	DO (mg/L)	pH	ORP (mv)	Turb. (NTU)	Notes
06-14-17	1332	4.51	4.5	5.7	13.06	0.415	0.87	6.06	-47.8	1190.8	initial Purge water clear Grayish Brn - Purged dry
6-14-17	1353	11.54	1.75	5.7	NA	NA	NA	NA	NA	NA	well Purged dry to get recharge rate
6-14-17	1420	7.05	2.25	5.7	NA	NA	NA	NA	NA	NA	Purged dry (3)
6-14-17	1421	11.45	NA	NA	NA	NA	NA	NA	NA	NA	8.5
6-14-17	1446	7.23	2	5.7	13.91	0.408	NA	NA	NA	outofRange	Purged dry (4) 10.5
6-14-17	1449	11.07	NA	NA	NA	NA	NA	NA	NA	NA	
6-14-17	1518	6.90	2	5.7	13.67	0.411	NA	6.35	33.9	outofRange	Purged dry (5) 12.5
6-14-17	1520	11.42	NA	NA	NA	NA	NA	NA	NA	NA	
6-14-17	1541	7.59	1.75	5.7 NA per	NA	NA	NA	NA	NA	NA	Purged Dry (6) 14.25
6-14-17	1606	7.36	2.25	5.7	NA	NA	NA	NA	NA	NA	Purged Dry (7) 16.5
06/15/17	1658	-	-	-	14.04	0.395	4.70	6.18	-10.7	4.2	Collected w/peristaltic #3620, intake at

Drawdown: minimal Measurements: 3-5 min Stabilization: +/- 0.5 C, +/- 3% conductivity, +/- 10% DO, +/- 0.1 pH, +/-10 mv ORP, turb=as low as possible (<10 NTU ideal) All for 3 consecutive readings

MONITORING WELL DEVELOPMENT FORM

LOCATION	Site: DU08	LocID: CH-MW037	Date: 14JUN2017
	Project Name: Camp Hero Remedial Investigation	Project #: 60443503	Recorded By: Checked By:
EQUIPMENT	H2O Quality Meter Type/ID #: YSI 6920 15E 1010 881	Development Equipment: Mini Monsan 003155	
	Water Level Indicator Type/ID #: Geotech 5699	Equipment Decon.: Liquinox w/ DI water rinse	
WELL INFO	Casing I.D. (in): 2	Water Column Thickness (ft): 9.76	Initial Depth to Water (ft): 5.09
	Total Well Depth (ft): 14.85 14.85 end	Water Volume (gal/lin ft): 1.56	
	Remarks: well volume = Casing Volume + Annulus Volume + water Added = 5.38 gal 1.56 gal + 3.82 0		2LPM = 0.52 gpm
			10-foot screen

Date (mm/dd/yy)	Time (24 hr)	Water Level (FTOC)	Volume Removed (Gals)	Pumping Rate (Lpm)	Temp. (C)	Specific Conduct. (mS/cm)	DO (mg/L)	pH	ORP (mv)	Turb. (NTU)	Notes
06-14-17	0904	5.09	3.5	5.7	12.49	0.371	3.10	6.56	19.5	out of range	Initial pore water dark Brown
6-14-17	0931	6.29	25.5	5.7	12.09	0.344	1.56	6.35	-10.5	out of Range	Dedpoint water cloudy Brown
6-14-17	0946	5.98	17.5	4.75	12.32	0.346	0.66	5.93	-12.9	out of Range	water clearing between Surges
6-14-17	1007	6.09	6.25	4.75	12.26	0.336	0.69	5.91	-13.7	out of Range	"
6-14-17	1024	6.10	21.25	4.75	12.11	0.340	0.22	5.92	-13.6	out of Range	"
6-14-17	1043	6.09	23.75	4.75	12.05	0.352	0.68	5.86	-10.1	out of Range	"
6-14-17	1053	6.09	12.50	4.75	12.33	0.350	0.52	5.81	-9.6	out of Range	"
6-14-17	1147	5.87	7.5	5.7	12.53	0.340	1.07	5.98	-72.4	177.4	initial Pore water brownish Tint
6-14-17	1200	5.95	19.5	5.7	12.33	0.357	0.84	5.95	-76.6	25.7	Surge clearing / Developed water
6-14-17	1227	5.51	1.56	2	13.57	0.351	0.75	5.94	-63.0	17.0	
6-14-17	1238	5.51	5.72	2	13.55	0.351	0.05	5.91	-50.3	9.1	
6-14-17	1249	5.51	5.72	2	13.61	0.351	0.01	5.94	-46.7	6.0	
6-14-17	1300	5.51	5.72	2	13.63	0.351	0.0	5.94	-45.0	4.1	
6-14-17	1311	5.51	5.72	2	13.63	0.350	0.0	5.95	-41.7	3.6	16L69

Drawdown: minimal Measurements:3-5 min Stabilization:+/- 0.5 C, +/- 3% conductivity, +/- 10% DO, +/- 0.1 pH, +/-10 mv ORP, turb=as low as possible (<10 NTU ideal) All for 3 consecutive readings

MONITORING WELL DEVELOPMENT FORM

LOCATION	Site: Camp Hero - Near DU 07	LocID: CH-MW038	Date: 06/16/17
	Project Name: Camp Hero Phase 3	Project #: 60443903	Recorded By: JCS Checked By:
EQUIPMENT	H2O Quality Meter Type/ID #: YSI 6920 V2 H/SE101087	Development Equipment: Proactive Monsoon # 001714	
	Water Level Indicator Type/ID #: Solinst 101 # 32254	Equipment Decon.: Liquinox wash, potable rinse, distilled rinse	
WELL INFO	Casing I.D. (in): 2-inch	Water Column Thickness (ft): 13.76 btoc	Initial Depth to Water (ft): 8.19
	Total Well Depth (ft): Initial = 21.95, 22.24 and 22.24 btoc	Water Volume (gal/lin ft): 0.1632	Well head PID = 0.5 ppm
	Remarks: 1 purge volume = casing volume + saturated annulus + water added drilling = 2.2 gal + 4.7 gal + 5 gal = 11.9 gal cumulative		10-foot screen

Date (mm/dd/yy)	Time (24 hr)	Water Level (FTOC)	Volume Removed (Gals)	Pumping Rate (Lpm)	Temp. (C)	Specific Conduct. (mS/cm)	DO (mg/L)	pH	ORP (mv)	Turb. (NTU)	Notes
06/16/17	0834	8.19	0.0	-	Place pump down well						
	0839	7.52	0.0	~10	Begin pumping. Not as much sand as previous wells.						
	0842	TD	6.5	~10	Well is dry. Stop pumping. 6.5 gal removed.						TD sf.ft ~ 21.95 ft btoc
	0847	15.02	6.5	-	Waiting for recharge. Recharge ~ 855 mL/min at this drawdown level						
	0852	13.13	6.5	-	Waiting. Recharge ~ 233 mL/min at this drawdown level.						
	0857	11.12	6.5	-	Waiting. Recharge ~ 248 mL/min at this drawdown level.						
	0858	10.61	6.5	-	~~Waiting~~ Recharge ~ 315 mL/min. Surge w/o pumping						
	0904	-	6.5	~10	Resume pumping						
	0906	TD	12.1	~10	Well is dry. Stop pumping. 5.6 gal removed.						
	0907	-	12.1	-	12.69	0.238	9.00	7.19	-1.1	>2,000	
	0915	11.65	12.1	-	Surge w/o pumping.						
	0921	-	12.1	~9	Resume pumping.						
	0923	TD	18.6	~9	Well is dry. Stop pumping. 6.5 gal removed.						
	0931	11.65	18.6	-	Surge w/o pumping.						
	0935	-	18.6	~9	Resume pumping.						
	0938	TD	25.9	~9	Well is dry. Stop pumping. 7.3 gal removed.						
	0945	11.65	25.9	-	Surge w/o pumping.						
	0950	-	25.9	~9	Resume pumping.						

Drawdown: minimal Measurements: 3-5 min Stabilization: +/- 0.5 C, +/- 3% conductivity, +/- 10% DO, +/- 0.1 pH, +/- 10 mv ORP, turb=as low as possible (<10 NTU ideal) All for 3 consecutive readings

MONITORING WELL DEVELOPMENT FORM

LOCATION	Site: Camp Hero - Near DU07	LocID: CH-MW038
	Project Name: Camp Hero Phase 3	Project #: 60443903

cumulative

Date (mm/dd/yy)	Time (24 hr)	Water Level (FTOC)	Volume Removed (Gals)	Pumping Rate (Lpm)	Temp. (C)	Specific Conduct. (mS/cm)	DO (mg/L)	pH	ORP (mv)	Turb. (NTU)	Notes
06/16/17	0953	TD	33.4	~9	Well is dry. Stop pumping. 7.5 gal removed. Water clearer near end.						
	0956	11.65	33.4	-	Surge w/o pumping						
	1003	-	33.4	~9	Resume pumping.						
	1006	TD	40.9	~9	Well dry. Stop pumping. 7.5 gal removed. Less sand in water.						
	1012	11.65	40.9	~9	Resume pumping.						
	1015	TD	47.4	~9	Well dry. Stop pumping. 6.5 gal removed. Significantly less sand.						
	1021	11.65	47.4	~9	Resume pumping. Very little sand. Some suspended fines.						
	1024	TD	53.9	~9	Well dry. Stop pumping. 6.5 gal removed.						
	1029	11.65	53.9	~9	Resume pumping. Clearing.						
	1032	TD	60.4	~9	Well dry. Stop pumping. 6.5 gal removed.						
	1038	11.65	60.4	~9	Resume pumping. Negligible sand. Some fines.						
	1041	TD	66.9	~9	Well dry. Stop pumping. 6.5 gal removed.						
	1047	11.65	66.9	-	12.07	0.135	9.52	6.73	116.5	10.4	Pump intake at ~17.2 ft btoc TD is 22.24 ft btoc

6/16/17

Drawdown: minimal Measurements: 3-5 min Stabilization: +/- 0.5 C, +/- 3% conductivity, +/- 10% DO, +/- 0.1 pH, +/-10 mv ORP, turb=as low as possible (=10 NTU ideal) All for 3 consecutive readings

MONITORING WELL DEVELOPMENT FORM

LOCATION	Site: Camp Hero	LocID: CH-MW039	Date: 06/13/17 - 06/15/17
	Project Name: Camp Hero Phase 3	Project #: 60414903	Recorded By: TG Checked By:
EQUIPMENT	H2O Quality Meter Type/ID #: YSI 6920 V2 15E101087	Development Equipment: Proactive Monsoon # 001716	
	Water Level Indicator Type/ID #: Solinst 101 # 32254	Equipment Decon.: Liquinox wash, potable rinse, distilled rinse	
WELL INFO	Casing I.D. (in): 2-inch	Water Column Thickness (ft): 11.44	Initial Depth to Water (ft): 5.11 ft btoc
	Total Well Depth (ft): Initial = 16.55 ft, 17.72 ft end	Water Volume (gal/lin ft): 0.1632	
	Remarks: 1 purge volume = casing volume + saturated annulus + water added drilling = 1.9 gal + 4.5 gal + 20 gal = 26.4 gal cumulative		10-foot screen

Date (mm/dd/yy)	Time (24 hr)	Water Level (FTOC)	Volume Removed (Gals)	Pumping Rate (Lpm)	Temp. (C)	Specific Conduct. (mS/cm)	DO (mg/L)	pH	ORP (mv)	Turb. (NTU)	Notes
06/13/17	1343	4.94	0.0	12.3	Begin pumping.						
	1345	TD	6.5	12.3	Well is dry. Stop pumping. TD is now approx						17.7 ft btoc.
	1350	–	6.5	–	16.33	0.234	7.69	6.72	-57.9	>2,000	
	1355	5.28	6.5	–	Surge w/o pumping. Note that re-charge						rate approx ~~4.7 L/min~~ 766 mL/min 6/15/17
	1400	–	6.5	9.5	Resume pumping.						
	1402	TD	11.5	9.5	Well is dry. Stop pumping.						
	1410	5.41	11.5	–	Surge w/o pumping.						
	1412	–	~~11.5~~ 11.5	8.5	Resume pumping.						
	1414	TD	16.0	8.5	Well is dry. Stop pumping.						
	1423	5.25	16.0	–	Surge w/o pumping.						
	1426	–	16.0	8.9	Resume pumping.						
	1428	TD	20.7	8.9	Well is dry. Stop pumping.						
06/14/17	0934	5.17	20.7	–	Surge w/o pumping.						
	0940	–	20.7	10.4	Resume pumping.						
	0942	TD	26.2	10.4	Well dry. Stop pumping. 5.5 gal						removed.
	0955	5.19	26.2	–	Surge w/o pumping.						
	1000	–	26.2	8.4	Resume pumping						
	1003	TD	32.9	8.4	Well is dry. Stop pumping						6.7 gal removed

Drawdown: minimal Measurements: 3-5 min Stabilization: +/- 0.5 C, +/- 3% conductivity, +/- 10% DO, +/- 0.1 pH, +/-10 mv ORP, turb=as low as possible (<10 NTU ideal) All for 3 consecutive readings

MONITORING WELL DEVELOPMENT FORM

LOCATION	Site: Camp Hero	LocID: CH-MW039
	Project Name: Camp Hero Phase 3	Project #: 60443903

cumulative

Date (mm/dd/yy)	Time (24 hr)	Water Level (FTOC)	Volume Removed (Gals)	Pumping Rate (Lpm)	Temp. (C)	Specific Conduct. (mS/cm)	DO (mg/L)	pH	ORP (mv)	Turb. (NTU)	Notes
06/14/17	1020	5.18	32.9	—	Surge w/o pumping						
	1024	—	32.9	7.9	Resume pumping.						
	1027	TD	39.2	7.9	Well is dry. Stop pumping. 6.3 gal removed.						
	1040	5.20	39.2	8.4	Resume pumping.						
	1043	TD.	45.9	8.4	Well is dry. Stop pumping 6.7 gal removed. Still seeing some sand, even w/o surging.						
	1057	5.20	45.9	8.2	Resume pumping.						
	1100	TD	52.4	8.2	Well is dry. Stop pumping. 6.5 gal removed. Less sand.						
	1123	5.20	52.4	9.1	Resume pumping.						
	1126	TD	59.6	9.1	Well is dry. Stop pumping. 7.2 gal removed. Significantly less sand.						
	1142	5.20	59.6	8.4	Resume pumping.						
	1145	TD	66.3	8.4	Well is dry. Stop pumping. 6.7 gal removed. Water running clearer.						
	1155	5.22	66.3	9.5	Resume pumping.						
	1158	TD	73.8	9.5	Well is dry. Stop pumping. 7.5 gal removed. No sand in purge water. Only suspended fines.						
	1206	5.23	73.8	9.5	Resume pumping.						
	1209	TD	81.3	9.5	Well is dry. Stop pumping. 7.5 gal removed. No sand in purge water, but still cloudy. TD = 17.72 ft btoc						
~~06/15/17~~	~~1600~~	~~—~~	~~—~~	~~—~~	~~Dup 01 pulled~~						
06/15/17	1600	-	—	—	13.66	0.141	8.37	5.23	134.2	7.7	Collected w/peristaltic pump #3670, intake at ~12.7 ft btoc
					6/15/17						

Drawdown: minimal Measurements: 3-5 min Stabilization: +/- 0.5 C, +/- 3% conductivity, +/- 10% DO, +/- 0.1 pH, +/-10 mv ORP, turb=as low as possible (=10 NTU ideal) All for 3 consecutive readings

MONITORING WELL DEVELOPMENT FORM

LOCATION	Site: Camp Hero	LocID: CH-MW040	Date: 06/14/17 - 06/15/17
	Project Name: Camp Hero Phase 3	Project #: 60443903	Recorded By: JS Checked By:
EQUIPMENT	H2O Quality Meter Type/ID #: YSI 6920 V2 # 15E101087	Development Equipment: Proactive Monsoon # 003155	
	Water Level Indicator Type/ID #: 101 # 32254 (Solinst)	Equipment Decon.: Liquinox wash, potable rinse, distilled rinse	
WELL bta INFO	Casing I.D. (in): 2-in	Water Column Thickness (ft): 7.31	Initial Depth to Water (ft): 11.15 btoc
	Total Well Depth (ft): Initial = 18.46, 18.46 ending	Water Volume (gal/lin ft): 0.1632	Wellhead PID = 0.7 ppm
	Remarks: 1 purge volume = casing volume + saturated annulus + water added drilling = 1.2 gal + 2.9 gal + 0 gal = 4.1 gal		

cumulative — 10-foot screen

Date (mm/dd/yy)	Time (24 hr)	Water Level (FTOC)	Volume Removed (Gals)	Pumping Rate (Lpm)	Temp. (C)	Specific Conduct. (mS/cm)	DO (mg/L)	pH	ORP (mv)	Turb. (NTU)	Notes
06/14/17	0905	11.15	0.0	4.9	Begin pumping						Hard bottom before pumping.
	0906	TD	1.3	4.9	Well is dry. Stop pumping. Less sand than previous wells.						
	0908	11.31	1.3	-	13.00	0.331	11.36	6.51	-56.8	539.5	Recharge is ~2.2 L/min
	0916	11.18	1.3	-	Surge w/o pumping						
	0921	-	1.3	5.7	Resume pumping						
	0922	TD	2.8	5.7	Well is dry. Stop pumping.				1.5 gal		removed.
	0947	11.18	2.8	-	Surge w/o pumping.						
	0951	-	2.8	4.5	Resume pumping.						
	0952	TD	4.0	4.5	Well is dry. Stop pumping.				1.2 gal		removed.
	1008	11.18	4.0	-	Surge w/o pumping.						
	1013	-	4.0	4.5	Resume pumping.						
	1014	TD	5.2	4.5	Well is dry. Stop pumping.				1.2 gal		removed
	1032	11.18	5.2	-	Surge w/o pumping.						
	1035	-	5.2	4.5	Resume pumping.						
	1036	TD	6.4	4.5	Well is dry. Stop pumping.				1.2 gal		removed.
	1048	11.18	6.4	-	Surge w/o pumping.						
	1054	-	6.4	4.5	Resume pumping						
	1055	TD	7.6	4.5	Well is dry, Stop pumping.						

Drawdown: minimal Measurements: 3-5 min Stabilization: +/- 0.5 C, +/- 3% conductivity, +/- 10% DO, +/- 0.1 pH, +/-10 mv ORP, Turb=as low as possible (<10 NTU ideal) All for 3 consecutive readings

MONITORING WELL DEVELOPMENT FORM

LOCATION	Site: Camp Hero	LocID: CH-MW040
	Project Name: Camp Hero Phase 3	Project #: 60443903

cumulative

Date (mm/dd/yy)	Time (24 hr)	Water Level (FTOC)	Volume Removed (Gals)	Pumping Rate (Lpm)	Temp. (C)	Specific Conduct. (mS/cm)	DO (mg/L)	pH	ORP (mv)	Turb. (NTU)	Notes
06/14/17	1114	11.18	7.6	–	Surge w/o pumping.						
	1117	–	~~7.6~~ 8.8	4.5	Resume pumping						
	1118	TD	8.8	4.5	Well is dry. Stop pumping. 1.2 gal removed.						
	1136	11.18	8.8	–	Surge w/o pumping						
	1139	–	8.8	4.5	Resume pumping.						
	1140	TD	10.0	4.5	Well is dry. Stop pumping. 1.2 gal removed.						
	1150	11.18	10.0	4.5	Resume pumping.						
	1151	TD	11.2	4.5	Well is dry. Stop pumping. 1.2 gal removed						
	1203	11.18	11.2	4.5	Resume pumping.						
	1204	TD	12.4	4.5	Well is dry. Stop pumping. 1.2 gal removed. Negligible						
					sand. ~~TD = 17.72 ft btoc~~ set 6/14/17						
	1226	11.18	12.4	4.5	Resume pumping.						
	1227	TD	13.6	4.5	Well is dry. Stop pumping. 1.2 gal removed. Negligible sand.						
	1237	11.20	13.6	4.2	Resume pumping.						
	1238	TD	14.7	4.2	Well is dry. Stop pumping. 1.1 gal removed. Negligible sand.						
	1254	11.18	14.7	4.2	Resume pumping.						
	1255	TD	15.8	4.2	Well is dry. Stop pumping. 1.1 gal removed. Negligible sand.						
	1306	11.20	15.8	4.2	Resume pumping.						
	1307	TD	16.9	4.2	Well is dry. Stop pumping. 1.1 gal removed. No sand. Minimal						
					suspended fines. Final TD = 18.46 ft btoc						
06/15/17	1625	–	–	–	13.00	0.130	8.23	5.60	116.0	4.7	Collected with peristaltic pump #3670, intake at ~13.5 ft btoc

6/15/17

Drawdown: minimal Measurements: 3-5 min Stabilization: +/- 0.5 C, +/- 3% conductivity, +/- 10% DO, +/- 0.1 pH, +/-10 mv ORP, turb=as low as possible (=10 NTU ideal) All for 3 consecutive readings

MONITORING WELL DEVELOPMENT FORM

LOCATION	Site: Camp Hero	LocID: CH-MW041	Date: 06/12/17 - 06/14/17
	Project Name: Camp Hero Phase 3	Project #: 60443903	Recorded By: Checked By:
EQUIPMENT	H2O Quality Meter Type/ID #: YSI 6920V2 #15E101087	Development Equipment: Proactive Monsoon # 003155	
	Water Level Indicator Type/ID #: Solinst 101 #32254	Equipment Decon.: Liquinox wash, potable rinse, distilled rinse	
WELL (btoc) INFO	Casing I.D. (in): 2-inch	Water Column Thickness (ft): 21.64	Initial Depth to Water (ft): 5.65 ft btoc
	Total Well Depth (ft): Initial = 27.29, 28.50 end	Water Volume (gal/lin ft): 0.1632	Well head PID = 7.4 ppm
	Remarks: Purge volume = casing volume + saturated annulus + water added drilling = 3.5 gal + 4.7 gal + 0 gal = 8.2 gal		

cumulative — 10-foot screen

Date (mm/dd/yy)	Time (24 hr)	Water Level (FTOC)	Volume Removed (Gals)	Pumping Rate (Lpm)	Temp. (C)	Specific Conduct. (mS/cm)	DO (mg/L)	pH	ORP (mv)	Turb. (NTU)	Notes
06/12/17	1440	4.88	0.0	8.1	—	—	—	—	—	—	begin pumping
	1443	TD	6.5	8.1	12.00	0.257	3.90	5.97	3.0	>2,000	stop pumping, well dry
	1454	7.38	6.5	—	—	—	—	—	—	—	waiting for recharge, TD now 28.2 ft
	1519	5.03	6.5	—	—	—	—	—	—	—	surge with pump, do not pumping
	1522	TD	12.5	7.4	—	—	—	—	—	—	resume with pumping
	—	—	—	—	—	—	—	—	—	—	well dry, stop pumping, wait for recharge + surge
	1539	22.75	12.5	—	—	—	—	—	—	—	wait for recharge
	1657	10.02	12.5	—	Surge vigorously with pump (no pumping)						
	1705	—	12.5	—	Resume pumping.						
	1707	TD	17.0	—	Well is dry. Stop pumping.						
06/13/17	0820	7.20	17.0	—	Surge vigorously w/o pumping.						
	0827	—	17.0	6.3	Resume pumping.						
	0830	TD	22.00	6.3	Well is dry. Stop pumping.						
	1020	7.29	22.0	6.3	Surge w/o pumping.						
	1027	—	22.0	10.4	Resume pumping.						
	1029	TD	27.5	10.4	Well is dry. Stop pumping.						
	1229	5.68	27.5	—	Surge w/o pumping.						
	1234	—	27.5	10.4	Resume pumping.						

Drawdown: minimal Measurements: 3-5 min Stabilization: +/- 0.5 C, +/- 3% conductivity, +/- 10% DO, +/- 0.1 pH, +/-10 mv ORP, turb=as low as possible (<10 NTU ideal) All for 3 consecutive readings

MONITORING WELL DEVELOPMENT FORM

LOCATION	Site: Camp Hero	LocID: ~~CH-MW042~~ /pz4/13/07 CH-MW041
	Project Name: Camp Hero Phase 3	Project #: 60443903

Date (mm/dd/yy)	Time (24 hr)	Water Level (FTOC)	Volume Removed (Gals)	Pumping Rate (Lpm)	Temp. (C)	Specific Conduct. (mS/cm)	DO (mg/L)	pH	ORP (mv)	Turb. (NTU)	Notes
06/13/07	1236	TD	33.0	10.4	Well is dry. Stop pumping.						
	1505	5.67	33.0	—	Surge up pumping.						
	1508	—	33.0	6.3	Resume pumping.						
	1511	TD	38.0	6.3	Well is dry. Stop pumping.				Pull pump.		TD = 28.50 ft btoc
06/14/07	1605	—	38.0	—	14.24	0.219	6.64	5.34	139.4	33.0	Collected w/peristaltic #3670, intake at 23.5 ft btoc
	Note that recharge on this well (with 2.35 ft drawdown) is approx 58 mL/min.										

Drawdown: minimal Measurements:3-5 min Stabilization:+/- 0.5 C, +/- 3% conductivity, +/- 10% DO, +/- 0.1 pH, +/-10 mv ORP, turb=as low as possible (=10 NTU ideal) All for 3 consecutive readings

MONITORING WELL DEVELOPMENT FORM

LOCATION	Site: Camp Hero	LocID: CH-MW042	Date: 06/13/17 - 06/14/17
	Project Name: Camp Hero Phase 3	Project #: 60443903	Recorded By: JGS Checked By:
EQUIPMENT	H2O Quality Meter Type/ID #: YSI 6920V2 #15E101087	Development Equipment: Proactive Monsoon #001714	
	Water Level Indicator Type/ID #: Solinst 101 #32254	Equipment Decon.: Liquinox wash, potable rinse, distilled rinse	
WELL INFO	Casing I.D. (in): 2-inch	Water Column Thickness (ft): 24.34	Initial Depth to Water (ftbtoc): 6.66 btoc
	Total Well Depth (ft): Initial: 31.00, 31.78 ending	Water Volume (gal/lin ft): 0.1632	Well head PID = 0.2 ppm
	Remarks: 1 purge volume = casing volume + saturated annulus + water added drilling = 4.0 gal + 4.7 gal + 0 gal = 8.7 gal 10-foot screen		

Date (mm/dd/yy)	Time (24 hr)	Water Level (FTOC)	Volume Removed (Gals)	Pumping Rate (Lpm)	Temp. (C)	Specific Conduct. (mS/cm)	DO (mg/L)	pH	ORP (mv)	Turb. (NTU)	Notes
06/13/17	0900	–	0.0	–	Surge w/o pumping.						
	0920	5.26	0.0	7.7	Begin pumping.						
	0923	TD	6.1	7.7	Stop pumping. Well is dry. Wait for recharge.						TD is still approx 31.0 ft btoc
	0928	–	6.1	–	15.70	0.323	3.81	7.13	-220.1	>2,000	
	0933	23.73	6.1	–	Wait for recharge.						
1036	~~0936~~ 1036	18.29	6.1	–	Note that recharge is approx. 53 mL/min at this drawn down level						
	1039	–	6.1	–	Surge w/o pumping.						
	1044	–	6.1	5.7	Resume pumping.						
	1046	TD	9.1	5.7	Well is dry. Stop pumping						
	1254	16.71	9.1	–	Surge w/o pumping.						
	1259	~~TD~~ 16.71	9.1	7.0	Resume pumping.						
	1301	TD	12.8	7.0	Well is dry. Stop pumping.						
	1451	19.34	12.8	–	Surge w/o pumping.						
	1458	–	12.8	6.6	Resume pumping.						
	1500	TD	16.3	6.6	Well is dry. Stop pumping.						
	1549	23.96	16.3	–	Surge w/o pumping.						
	1557	–	16.3	8.7	Resume pumping						
	1558	TD	18.6	8.7	Well is dry. Stop pumping. Full pump.						TD = 31.78 ft btoc

Drawdown: minimal Measurements: 3-5 min Stabilization: +/- 0.5 C, +/- 3% conductivity, +/- 10% DO, +/- 0.1 pH, +/-10 mv ORP, turb=as low as possible (<10 NTU ideal) All for 3 consecutive readings

MONITORING WELL DEVELOPMENT FORM

LOCATION	Site: Camp Hero	LocID: CH-MW042
	Project Name: Camp Hero Phase 3	Project #: 60443903

Date (mm/dd/yy)	Time (24 hr)	Water Level (FTOC)	Volume Removed (Gals)	Pumping Rate (Lpm)	Temp. (C)	Specific Conduct. (mS/cm)	DO (mg/L)	pH	ORP (mv)	Turb. (NTU)	Notes
06/14/17	1630	–	18.6	–	17.55	0.373	7.20	6.10	10.2	54.7	Collect w/peristaltic #3670, intake at 26.0 ft btoc

Drawdown: minimal Measurements:3-5 min Stabilization:+/- 0.5 C, +/- 3% conductivity, +/- 10% DO, +/- 0.1 pH, +/-10 mv ORP, turb=as low as possible (=10 NTU ideal) All for 3 consecutive readings

MONITORING WELL DEVELOPMENT FORM

LOCATION	Site: Motor Pool	LocID: CH-MW043	Date: 19JUN2017/20JUN2017
	Project Name: CAMP Hero Remedial Investigation	Project #: 6044393	Recorded By: Checked By:
EQUIPMENT	H2O Quality Meter Type/ID #: 6820 15E10088	Development Equipment: Mini Monsoon 002848	
	Water Level Indicator Type/ID #: Geotech 5689	Equipment Decon.: Liquinox + Subsequent DI water rinse	
WELL INFO	Casing I.D. (in): 2	Water Column Thickness (ft): 12.06 12.09	Initial Depth to Water (ft): 6.52
	Total Well Depth (ft): 18.61 (19.44)	Water Volume (gal/lin ft): 1.93	
	Remarks: 1 Purge Volume = 1 Casing Vol + Annulus Volume + Water Heated = 1.93 + 4.69 + 25 = 31.62 (6G)		

Date (mm/dd/yy)	Time (24 hr)	Water Level (FTOC)	Volume Removed (Gals)	Pumping Rate (Lpm)	Temp. (C)	Specific Conduct. (mS/cm)	DO (mg/L)	pH	ORP (mv)	Turb. (NTU)	Notes	
06-19-17	0910	~~6.52~~	NA	NA	NA	NA	NA	NA	NA	NA	Initial water level	
06-19-17	1059	6.52	4	7.57	13.13	0.540	7.82	6.30	-84.6	dark/Rye	Purged dry (1) Heavy brown sediment/mud	
06-19-17	1129	7.40	3.25	7.57	NA	NA	NA	NA	NA	NA	Purged dry (2)	11 7.25
06-19-17	1149	8.95	3.5	7.57	NA	NA	NA	NA	NA	NA	Purged dry (3)	11 10.5
06-19-17	1212	7.85	3.25	7.57	NA	NA	NA	NA	NA	NA	Purged dry (4)	11 13.75
06-19-17	1229	7.80	3.5	7.57	NA	NA	NA	NA	NA	NA	Purged dry (5)	11 17.25
6-19-17	1246	8.35	3.25	7.57	NA	NA	NA	NA	NA	NA	Purged dry (6)	1 20.5
6-19-17	1302	8.50	4.5	2.42 (0.64)	NA	NA	NA	NA	NA	NA	Purged dry (7)	25
6-19-17	1333	8.65	4	3.02 (0.8)	NA	NA	NA	NA	NA	NA	Purged dry (8)	29
6-19-17	1403	8.30	3.75	2.00 (0.53)	NA	NA	NA	NA	NA	NA	Purged dry (9)	32.75
6-19-17	1437	8.70	4	2.49 (0.66)	16.07	0.379	4.42	5.82	-9.4	459.5	Purged dry (10)	36.75
6-19-17	1511	8.00	4	2.15 (0.57)	NA	NA	NA	NA	NA	NA	Purged dry (11)	40.75
6-19-17	1541	9.75	3.5	3.29 (0.87)	15.40	0.368	4.75	5.80	-2.3	185.5	Purged dry (12)	44.25
6-19-17											Purged dry (13) 3.5	52.25
6-20-17	0835	7.80	8	2.3 (0.61)	15.13	0.353	5.51	5.72	15.8	86.8	Purged dry (14)	57.75
6-20-17	0912	7.93	5.5	2.08 (0.55)	13.89	0.352	4.33	5.74	17.2	58.9	Purged dry (15)	62.25 18
6-20-17	0946	8.80	4.5	2.42 (0.64)	15.07	0.347	4.02	5.63	32.2	94.2	Purged dry (16)	67.25 23
6-20-17	1028	7.80	5	1.32	16.29	0.353	5.67	5.75	34.5	60.6	Purged dry (17)	72.5 28.25
6-20-17	1116	8.00	5.25	1.21 (0.32)	15.40	0.353	5.39	5.72	34.4	75.8		

Drawdown: minimal Measurements: 3-5 min Stabilization: +/- 0.5 C, +/- 3% conductivity, +/- 10% DO, +/- 0.1 pH, +/-10 mv ORP, turb=as low as possible (<10 NTU ideal) All for 3 consecutive readings (6)

19 JUN 2017
20 JUN 2017

MONITORING WELL DEVELOPMENT FORM

LOCATION	Site: Motor Pool	LocID: CH-MW043
	Project Name: Camp Hero Remedial Investigation	Project #: 6044393

Date (mm/dd/yy)	Time (24 hr)	Water Level (FTOC)	Volume Removed (Gals)	Pumping Rate (Lpm)	Temp. (C)	Specific Conduct. (mS/cm)	DO (mg/L)	pH	ORP (mv)	Turb. (NTU)	Notes		
6-20-17	1340	7.00	6	2.04 (0.54)	17.5°	0.347	0.02	6.43	12.1	170.1	Purge Data (18)	78.5	3425
6-20-17	1533	7.08	952	0.98	16.37	0.334	5.31	5.83	21.6	89.4	Final Readings	79	3475

Drawdown: minimal Measurements: 3-5 min Stabilization: +/- 0.5 C, +/- 3% conductivity, +/- 10% DO, +/- 0.1 pH, +/-10 mv ORP, turb=as low as possible (=10 NTU ideal) All for 3 consecutive readings

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Appendix I4

Groundwater Sampling Forms

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AECOM

Monitoring Well Sample Collection Form

LOCATION	Site: Camp Hero - Bldg 203	LocID: CH-MW016	Date: 06/27/17
	Project Name: Camp Hero Phase 3	Project Number: 60443903	Recorded By: JCS Checked By:
EQUIPMENT	Sampling Equipment - Pump: Geopump Peristaltic #3670	Controller: NA	Compressor: NA
	Water Level Indicator Type/ID#: Solinst 101 #32254	Water Quality Meter Type: YSI 692 v2 Sonde ID: 15E101087	Handset ID: 15K100356
	PID Type/ID#: MiniRAE 3000 #592-919029	Equipment Decon: Liquinox wash, potable rinse, distilled rinse	
WELL & SAMPLING INFO	Description: Stickup	Screen Interval (BTOC): 15.50-30.50	Initial Depth to Water (BTOC): 21.09
	Historic Pump Settings: 240 mL/min		Pump Inlet Depth (BTOC): ~25.8
	Condition of Well/Comments: Excellent		Ambient PID (ppm): 0.0
	NOTE: TD = 30.50 ft btoc		Well Head PID (ppm): 2.1

Date (MM/DD/YY)	Time (24 hr)	Depth to Water (BTOC)	Volume Removed (gallons)	Pumping Rate (Lpm)	Temp (°C)	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Pump Refill/ Discharge (seconds)	Pump Pressure (PSI)	Comment
06/27/17	1255	21.09	0.00	0.160	Cell Filling		—	—	—	—	—	—	Fuel odor
	1300	21.28	0.21	0.190	15.70	0.750	1.78	6.61	-152.5	8.0	—	—	
	1305	21.35	0.46	0.200	14.42	0.738	0.46	6.48	-146.9	8.0	—	—	
	1310	21.36	0.72		13.97	0.738	0.19	6.53	-150.2	13.1	—	—	
	1315		0.98		13.88	0.738	0.23	6.55	-153.1	2.1	—	—	
	1320		1.24		14.06	0.738	0.09	6.58	-152.1	13.8	—	—	
	1325		1.50		14.19	0.738	0.07	6.59	-150.0	21.3	—	—	
	1330		1.76		14.16	0.738	0.05	6.59	-151.8	13.3	—	—	
	1335		2.02		13.96	0.738	0.03	6.60	-152.0	8.5	—	—	
	1340		2.28		13.74	0.738	0.03	6.60	-148.3	9.2	—	—	
	1345		2.54		13.70	0.739	0.03	6.60	-149.1	8.3	—	—	

Pumping Rate: ≤ 0.5L/min; **Measurements:** every 3 - 5 minutes; **Stabilization is defined as the following for three consecutive readings:** ± 0.5°C, ± 3% Conductivity; ± 10% DO; ± 0.1 pH; ± 10mV ORP; Turbidity as low as po

Sample ID Numbers and Sample Time	Container Count, Volume & Type	Preservative	Parameter(s)
06/27/17 @ 1350	9 x 40 mL glass vial	HCl	VOCs
CH-MW016-02	12 x 250 mL amber glass	none	SVOCs, PAHs (Total)
CH-MW016-02MS	3 x 250 mL poly	HNO_3	Metals (Total)
CH-MW016-02MSD	3 x 250 mL poly	NH_4	Hex Chromium (Total) +60 drops each
CH-MW016-02-F	12 x 250 mL amber glass	none	SVOCs, PAHs (Dissolved)
CH-MW016-02MS-F	3 x 250 mL poly	HNO_3	Metals (Dissolved)
CH-MW016-02MSD-F	3 x 250 mL poly	NH_4	Hex Chromium (Dissolved) +160 drops each
	3 x 500 mL poly	none	BOD
	3 x 250 mL poly	none	Alkalinity
	3 x 250 mL poly	H_2SO_4	COD
	3 x 250 mL glass	NaOH + ZnAc	Sulfide
	6 x 40 mL glass vial	H_2SO_4	TOC
	6 x 40 mL glass vial	HCl	VHH
	6 x 40 mL glass vial	None	Ancons

Field Fe 2+ analysis:
Unfiltered: 30.2 mg/L, 29.7 mg/L
Filtered: 31.3 mg/L, 27.7 mg/L

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AECOM

Monitoring Well Sample Collection Form

LOCATION	Site: DU01	LocID: CH-MW018	Date: 26 JUN 2017
	Project Name: CAMP Hero Remedial Investigati	Project Number:	Recorded By: Robert Burns Checked By:
EQUIPMENT	Sampling Equipment - Pump: Geotech Peristaltic #490	Controller: NA	Compressor: NA
	Water Level Indicator Type/ID#: Geotech 5699	Water Quality Meter Type: ~~Solinst~~ YSI Sonde ID: 15E1010BB	Handset ID: 07501837C
	PID Type/ID#: MiniRAE 3000 592-919038	Equipment Decon: Liquinox w/ DI water Rinse	
WELL & SAMPLING INFO	Description: Stickup	Screen Interval (BTOC): 5.85-15.85	Initial Depth to Water (BTOC): 6.42
	Historic Pump Settings:		Pump Inlet Depth (BTOC): 11
	Condition of Well/Comments:		Ambient PID (ppm): 0.0
	NOTE:		Well Head PID (ppm): 1.0

Date (MM/DD/YY)	Time (24 hr)	Depth to Water (BTOC)	Volume Removed (gallons)	Pumping Rate (Lpm)	Temp (°C)	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Pump Refill/ Discharge (seconds)	Pump Pressure (PSI)	Comment
6-26-17	1015	6.42	start								NA	NA	
	1025	6.73	0.27	0.104	17.33	0.246	0.84	5.74	-58.5	13.4			
	1030	6.91	0.375	0.080	18.22	0.243	0.47	5.49	-56.6	35.0			
	1035	7.01	0.499 .124	0.094	18.82	0.240	0.58	5.49	-57.2	165.0			
	1040	7.07	0.623	0.094	18.28	0.239	0.60	5.60	-60.9	298			
	1045	7.11	0.747	0.094	18.20	0.240	0.60	5.62	-61.4	289			
	1050	7.13	0.871	0.094	17.99	0.240	0.43	5.64	-62.8	291			
	1055	7.15	0.995	0.094	18.10	0.240	0.44	5.66	-64.3	275			
	1100	7.16	1.119	0.094	18.19	0.240	0.39	5.70	-67.0	257			
	1105	7.18	1.24	0.094	18.19	0.241	0.36	5.72	-69.8	229			
	1110	7.19	1.36	0.094	18.28	0.242	0.33	5.74	-75.3	185			

Pumping Rate: ≤ 0.5L/min; **Measurements:** every 3 - 5 minutes; **Stabilization is defined as the following for three consecutive readings:** ± 0.5°C, ± 3% Conductivity; ± 10% DO; ± 0.1 pH; ± 10mV ORP; Turbidity as low as po

Sample ID Numbers and Sample Time	Container Count, Volume & Type	Preservative	Parameter(s)
HACH 2100Q# 14120C037655			

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AECOM

Monitoring Well Sample Collection Form

LOCATION	Site: DUO)	LocID: CH-MW018	Date: 26 JUN 2017
	Project Name: * CAMP Hero Remedial Investigation	Project Number: *	Recorded By: Robert Burr Checked By:

Date (MM/DD/YY)	Time (24 hr)	Depth to Water (BTOC)	Volume Removed (gallons)	Pumping Rate (Lpm)	Temp (°C)	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Pump Refill/ Discharge (seconds)	Pump Pressure (PSI)	Comment
6-26-17	1115	7.20	1.49	0.094	18.28	0.244	0.33	5.74	-82.3	137	NA	NA	
	1120	7.20	1.61	0.094	18.45	0.244	0.28	5.75	-86.5	120			
	1125	7.20	1.73	0.094	18.61	0.244	0.24	5.76	-89.0	97.3			
	1130	7.20	1.86	0.094	18.70	0.244	0.24	5.75	-89.5	79.8			
	1135	7.20	1.98	0.094	18.94	0.245	0.21	5.76	-91.5	59.1			
	1140	7.20	2.11	0.094	18.23	0.246	0.21	5.75	-92.2	46.0			
	1145	7.20	2.23	0.094	17.99	0.245	0.20	5.72	-92.2	40.8			
	1150	7.20	2.35	0.094	17.72	0.245	0.16	5.73	-93.4	31.6			
	1155	7.20	2.48	0.094	17.31	0.246	0.21	5.72	-93.4	22.4			
	1200	7.20	2.60	0.094	17.05	0.246	0.16	5.71	-93.2	22.2			
	1205	7.20	2.73	0.094	16.94	0.245	0.11	5.71	-93.3	14.6			
	1210	7.20	2.85	0.094	16.95	0.245	0.12	5.71	-94.6	13.0			
6-26-17	1215	7.20	2.97	0.094	17.00	0.245	0.15	5.72	-95.3	12.4			120 minute Purge
6-26-17	1220	SAMPLE 1											

Pumping Rate: ≤ 0.5L/min; **Measurements:** every 3 - 5 minutes; **Stabilization is defined as the following for three consecutive readings:** ± 0.5°C, ± 3% Conductivity; ± 10% DO; ± 0.1 pH; ± 10mV ORP

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AECOM Monitoring Well Sample Collection Form

LOCATION	Site: DUQ	LocID: CH-MW019		Date: 28 JUN 2017	
	Project Name: Camp Hero	Project Number:		Recorded By: Robert Burns	Checked By:
EQUIPMENT	Sampling Equipment - Pump: Peristaltic Geotech #498		Controller: NA	Compressor: NA	
	Water Level Indicator Type/ID#: Geotech 5699	Water Quality Meter Type: YSI	Sonde ID: 02D0142AD	Handset ID: 02D0344AD	
	PID Type/ID#: MiniRAE 3000+ 592-919019	Equipment Decon: Liquinox w/ DI water rinse			
WELL & SAMPLING INFO	Description: Stickup	Screen Interval (BTOC): 7.5-22.5	Initial Depth to Water (BTOC): 14.26	Ambient PID (ppm): 0.0	
	Historic Pump Settings: 0.100 liter/min		Pump Inlet Depth (BTOC): 18.5	Well Head PID (ppm): 0.0	
	Condition of Well/Comments:				
	NOTE: Transducer Pulled, initial water level 1425 @ 0744				

Date (MM/DD/YY)	Time (24 hr)	Depth to Water (BTOC)	Volume Removed (gallons)	Pumping Rate (Lpm)	Temp (°C)	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Pump Refill/ Discharge (seconds)	Pump Pressure (PSI)	Comment
6-28-17	0835	14.26	Start	→						→	NA	NA	start Purge
	0840	14.91	0.130 ↔	0.17	15.04	0.235	6.53	6.32	223.1	117.8	↓	↓	
	0845	15.05	0.110 ↔	0.315	15.08	0.235	6.19	6.32	231.9	114.8			
	0850	15.32	0.28 ↔	0.44	15.64	0.235	6.20	6.34	238.6	131.9			
	0855	15.65	0.33 ↔	0.51	16.00	0.236	6.14	6.32	248.0	197.6			
	0900	15.99	0.078 ↔	0.61	16.00	0.237	6.18	6.30	256.9	310.9	↓	↓	
	0905												Pull Sample Pulling Dry Rapidly

Pumping Rate: ≤ 0.5L/min; **Measurements:** every 3 - 5 minutes; **Stabilization is defined as the following for three consecutive readings:** ± 0.5°C, ± 3% Conductivity; ± 10% DO; ± 0.1 pH; ± 10mV ORP; Turbidity as low as po

Sample ID Numbers and Sample Time	Container Count, Volume & Type	Preservative	Parameter(s)
CHMW019-02 CH-MW019-02-F VOC's collected			

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AECOM

Monitoring Well Sample Collection Form

LOCATION	Site: Dual	LocID: CH-MW020	Date: 6-26-17
	Project Name: Camp Hero Remedial Investigation	Project Number:	Recorded By: Rebecca Burns Checked By:
EQUIPMENT	Sampling Equipment - Pump: Geotech Peristaltic #498	Controller: NA	Compressor: NA
	Water Level Indicator Type/ID#: Geotech 5699	Water Quality Meter Type: YSI Sonde ID: 15E101069	Handset ID: 06J0183AC
	PID Type/ID#: MiniRAE 3000 592-914032	Equipment Decon: Liquinox w/ DI water rinse	
WELL & SAMPLING INFO	Description: Stick-up	Screen Interval (BTOC): ~~5.85-15.85~~ 10.7-25.70	Initial Depth to Water (BTOC): 7.44
	Historic Pump Settings:		Pump Inlet Depth (BTOC): 18
	Condition of Well/Comments:		Ambient PID (ppm): 0
	NOTE: FE Field Test: Total - No Dilution - 0.0 Test1 - 0.01 Test2		Well Head PID (ppm): 1.4
	Dissolved - No Dilution - 0.0 Test1 - 0.01 Test2		

Date (MM/DD/YY)	Time (24 hr)	Depth to Water (BTOC)	Volume Removed (gallons)	Pumping Rate (Lpm)	Temp (°C)	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Pump Refill/ Discharge (seconds)	Pump Pressure (PSI)	Comment
06/26-17	1350	7.44	start								NA	NA	
	1400	7.75	~~0.22~~ 0.275	0.085	23.12	0.165	1.94	6.07	38.7	3.08			
	1405	7.80	0.335	0.080	20.67	0.168	0.84	5.93	48.8	1.72			
	1410	7.83	0.455	0.090	19.96	0.168	0.50	5.89	52.7	1.88			
	1415	7.88	0.595	0.108	19.61	0.166	0.37	5.92	53.8	1.35			
	1420	7.89	0.705	0.086	19.31	0.166	0.33	5.92	55.0	1.33			
	1425	7.92	0.835	0.100	19.35	0.169	0.32	5.94	56.2	1.97			
	1430	7.93	0.965	0.100	19.26	0.170	0.32	5.94	57.4	1.44			
	1435	7.94	1.095	0.100	19.25	0.171	0.32	5.94	58.4	1.34			
	1440	7.95	1.22	0.100	19.01	0.172	0.34	5.93	60.0	1.26			
	1445												SAMPLE

Pumping Rate: ≤ 0.5L/min; **Measurements:** every 3 - 5 minutes; **Stabilization is defined as the following for three consecutive readings:** ± 0.5°C, ± 3% Conductivity; ± 10% DO; ± 0.1 pH; ± 10mV ORP; Turbidity as low as po

Sample ID Numbers and Sample Time	Container Count, Volume & Type	Preservative	Parameter(s)

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AECOM

Monitoring Well Sample Collection Form

LOCATION	Site: DV01	LocID: CH-MW021	Date: 23 JUN 2017
	Project Name: Camp Hero Remedial Activities	Project Number:	Recorded By: Checked By:

EQUIPMENT	Sampling Equipment - Pump:		Controller: NA	Compressor: NA
	Water Level Indicator Type/ID#:	Water Quality Meter Type:	Sonde ID:	Handset ID:
	PID Type/ID#:	Equipment Decon:		

WELL & SAMPLING INFO	Description:	Screen Interval (BTOC): 7.91-17.91	Initial Depth to Water (BTOC): 11.92	Ambient PID (ppm):
	Historic Pump Settings:		Pump Inlet Depth (BTOC): 15	Well Head PID (ppm):
	Condition of Well/Comments:			
	NOTE: Grab sample due to poor recharge previous sample Event			

Date (MM/DD/YY)	Time (24 hr)	Depth to Water (BTOC)	Volume Removed (gallons)	Pumping Rate (Lpm)	Temp (°C)	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Pump Refill/ Discharge (seconds)	Pump Pressure (PSI)	Comment
	0911	11.92											
	0940	11.92	NA	0.892	23.11	0.664	3.96	6.67	51.1	29.7	NA	NA	start sampling GRAB

Pumping Rate: ≤ 0.5L/min; **Measurements:** every 3 - 5 minutes; **Stabilization is defined as the following for three consecutive readings:** ± 0.5°C, ± 3% Conductivity; ± 10% DO; ± 0.1 pH; ± 10mV ORP; Turbidity as low as po

Sample ID Numbers and Sample Time	Container Count, Volume & Type	Preservative	Parameter(s)
PID - 0.5 0904			
1440 1017 Final DTW			

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AECOM

Monitoring Well Sample Collection Form

LOCATION	Site: Camp Hero - Near DU01	LocID: CH-MW022	Date: 06/26/17
	Project Name: Camp Hero Phase 3	Project Number: 60443903	Recorded By: JCS Checked By:

EQUIPMENT	Sampling Equipment - Pump: Geopump Peristaltic #3670	Controller: NA	Compressor: NA
	Water Level Indicator Type/ID#: Solinst 101 #32254	Water Quality Meter Type: YSI 6920V2 Sonde ID: 15E101087	Handset ID: 15K100356
	PID Type/ID#: Mini RAE 3000 #592-919029	Equipment Decon: Liquinox wash, potable rinse, distilled rinse	

WELL & SAMPLING INFO	Description: Stickup	Screen Interval (BTOC): 8.39 - 18.39	Initial Depth to Water (BTOC): 11.40 ft	Ambient PID (ppm): 0.0
	Historic Pump Settings: NA		Pump Inlet Depth (BTOC): ~14.9 - 15.9	Well Head PID (ppm): 1.5
	Condition of Well/Comments: Excellent			
	NOTE: TD = 18.72 ft btoc. Note sediment trap is 0.33 ft.			

Date (MM/DD/YY)	Time (24 hr)	Depth to Water (BTOC)	Volume Removed (gallons)	Pumping Rate (Lpm)	Temp (°C)	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Pump Refill/ Discharge (seconds)	Pump Pressure (PSI)	Comment
06/26/17	0950	11.40	0.00	0.090	Cell	filling	-	-	-	-	-	-	
	0955	~11.63	0.12	0.096	17.60	0.229	3.52	7.14	26.7	6.3	-	-	
	1000	11.88	0.25	0.106	16.01	0.214	3.05	5.74	61.1	3.2	-	-	
	1005	12.10	0.39		15.02	0.211	2.66	5.64	66.2	2.1	-	-	
	1010	12.30	0.53		15.07	0.213	2.72	5.65	61.5	16.2	-	-	
	1015	12.48	0.67		15.13	0.216	3.02	5.71	57.8	21.4	-	-	
	1020	12.64	0.81		15.03	0.221	3.23	5.76	54.8	23.3	-	-	
	1025	12.82	0.95		15.07	0.232	3.77	5.80	52.2	22.6	-	-	
	1030	13.00	1.09		14.89	0.239	4.29	5.84	50.8	21.2	-	-	
	1035	13.18	1.23		14.78	0.247	4.57	5.87	49.7	18.6	-	-	
	1040	13.37	1.37		14.72	0.261	5.25	5.88	48.9	17.5	-	-	

Pumping Rate: ≤ 0.5L/min; **Measurements:** every 3 - 5 minutes; **Stabilization is defined as the following for three consecutive readings:** ± 0.5°C, ± 3% Conductivity; ± 10% DO; ± 0.1 pH; ± 10mV ORP; Turbidity as low as po

Sample ID Numbers and Sample Time	Container Count, Volume & Type	Preservative	Parameter(s)
06/26/17 @ 1055	8 x 250mL amber glass	none	SVOCs, PAHs (Total)
CH-MW022-02	8 x 250mL amber glass	none	SVOCs, PAHs (Dissolved)
CH-MW022-02D	2 x 250mL poly	HNO_3	Metals (Total)
CH-MW022-02-F	2 x 250mL poly	HNO_3	Metals (Dissolved)
CH-MW022-02D-F	6 x 40mL glass vial	HCl	VOCs

AECOM Monitoring Well Sample Collection Form

LOCATION	Site: Camp Hero - Near DU01	LocID: CH-MW022	Date: 06/26/17
	Project Name: ~~Delaware ANGB~~ 06/26/17 Camp Hero Phase 3	Project Number: ~~LTM04~~ 60443903	Recorded By: JCS Checked By:

Date (MM/DD/YY)	Time (24 hr)	Depth to Water (BTOC)	Volume Removed (gallons)	Pumping Rate (Lpm)	Temp (°C)	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Pump Refill/ Discharge (seconds)	Pump Pressure (PSI)	Comment
06/26/17	1045	13.56	1.51	0.106	14.80	0.263	5.55	5.90	48.6	20.9	-	-	Lower tubing to 15.9 ft
	1050	13.74	1.65	↓	14.92	0.243	~~5.87~~ 4.65	5.87	48.5	16.7	-	-	
	1055	-	-	-	Collect sample even though parameters have not stabilized.								
	-	-	-	-	Concerned about running out of water for sample.								
	1211	-	-	-	Sample complete, DTW = 15.70 ft btoc at sample completion.								

Pumping Rate: ≤ 0.5L/min; Measurements: every 3 - 5 minutes; Stabilization is defined as the following for three consecutive readings: ± 0.5°C, ± 3% Conductivity; ± 10% DO; ± 0.1 pH; ± 10mV ORP; Turbidity as low as possible

CH-MW023

Electronic Data Collection Only

CH-MW024

Electronic Data Collection Only

AECOM

Monitoring Well Sample Collection Form

LOCATION	Site:	LocID: CH-MW025	Date:
	Project Name:	Project Number:	Recorded By: Checked By:
EQUIPMENT	Sampling Equipment - Pump:	Controller:	Compressor:
	Water Level Indicator Type/ID#:	Water Quality Meter Type: Sonde ID:	Handset ID:
	PID Type/ID#:	Equipment Decon:	
WELL & SAMPLING INFO	Description:	Screen Interval (BTOC):	Initial Depth to Water (BTOC): 7.67' / Ambient PID (ppm): 0.0
	Historic Pump Settings:		Pump Inlet Depth (BTOC): / Well Head PID (ppm): 0.7
	Condition of Well/Comments:		
	NOTE:		

6/22

Date (MM/DD/YY)	Time (24 hr)	Depth to Water (BTOC)	Volume Removed (gallons)	Pumping Rate (Lpm)	Temp (°C)	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Pump Refill/ Discharge (seconds)	Pump Pressure (PSI)	Comment
0938		9.29	—	0.140	16.46	236	1.62	6.06	167.9	1.0	—	—	
		10.05		1	15.52	229	0.89	6.08	179.1	1.3			
		10.88			14.67	225	0.76	6.10	186.6	1.4			
		11.73			14.48	225	0.70	6.08	192.8	1.5			
		12.10			14.40	224	0.74	6.09	198.3	1.5			
		12.38			14.42	224	0.70	6.08	199.1	1.3			
		12.67			14.40	223	0.67	6.09	206.2	2.2			
		12.94			14.55	223	0.78	6.06	208.5	4.4			
		13.14	~~21.19~~ 21.19		14.83	225	0.73	6.06	210.0	11.2			
			2.0										

Pumping Rate: ≤0.5L/min; Measurements: every 3 - 5 minutes; Stabilization is defined as the following for three consecutive readings: ± 0.5°C, ± 3% Conductivity; ± 10% DO; ± 0.1 pH; ± 10mV ORP; Turbidity as low as po

Sample ID Numbers and Sample Time	Container Count, Volume & Type	Preservative	Parameter(s)
1025			

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AECOM

Monitoring Well Sample Collection Form

LOCATION	Site:	LocID: CH-MW026	Date: 6/22/17
	Project Name:	Project Number:	Recorded By: Checked By:

EQUIPMENT	Sampling Equipment - Pump:	Controller:	Compressor:
	Water Level Indicator Type/ID#:	Water Quality Meter Type: Sonde ID:	Handset ID:
	PID Type/ID#:	Equipment Decon:	

WELL & SAMPLING INFO	Description:	Screen Interval (BTOC):	Initial Depth to Water (BTOC): 7.10	Ambient PID (ppm): 0.0
	Historic Pump Settings:		Pump Inlet Depth (BTOC):	Well Head PID (ppm): 19.1
	Condition of Well/Comments:			
	NOTE:			

Date (MM/DD/YY)	Time (24 hr)	Depth to Water (BTOC)	Volume Removed (gallons)	Pumping Rate (Lpm)	Temp (°C)	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Pump Refill/ Discharge (seconds)	Pump Pressure (PSI)	Comment
	1248	7.87	—	0.100	24.01	179	2.12	6.01	58.1	13.6			
		7.94			23.88	168	1.29	5.42	78.3	10.5			
		7.99			24.13	166	1.26	5.91	85.8	9.1			
		7.92			24.23	166	1.20	5.91	92.1	6.7			
		8.01		0.120	24.57	160	1.17	5.89	98.7	5.5			
		8.02			24.27	158	1.15	5.88	100.3	5.4			
		8.07			24.34	156	1.18	5.88	100.3	4.1			
		8.15			23.99	154	1.13	5.87	108.8	4.1			
		8.13	1.3		23.87	152	1.02	5.82	~~113.6~~ 113.6	3.8			

Pumping Rate: ≤0.5L/min; **Measurements:** every 3 - 5 minutes; **Stabilization is defined as the following for three consecutive readings:** ± 0.5°C, ± 3% Conductivity; ± 10% DO; ± 0.1 pH; ± 10mV ORP; Turbidity as low as po

Sample ID Numbers and Sample Time	Container Count, Volume & Type	Preservative	Parameter(s)
Total 1.93 mg/L 1.97 Dissolved 1.83 1.97			

AECOM

Monitoring Well Sample Collection Form

LOCATION	Site: STP	LocID: MW027	Date: 22 JUN 2017
	Project Name: *	Project Number: *	Recorded By: BB Checked By:

Date (MM/DD/YY)	Time (24 hr)	Depth to Water (BTOC)	Volume Removed (gallons)	Pumping Rate (Lpm)	Temp (°C)	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Pump Refill/ Discharge (seconds)	Pump Pressure (PSI)	Comment
06/22/17	0914	08.01											
	0925	8.85			18.35	0.390	2.15	6.16	59.6	22			0920-start
	0945	9.34		.100	18.45	0.389	2.11	6.17	58.6	18.3			
	0950	9.90		.100	18.28	0.389	2.11	6.19	53.0	21.8			
	0955	10.41		.100	16.98	0.385	1.78	6.14	55.1	11.8			
	1000	10.78		0.100	16.87	0.385	1.69	6.16	55.2	11.2			
	1005	11.14		0.100	16.87	0.385	1.87	6.15	54.2	16.8			
	1010	11.51		0.100	16.90	0.384	1.83	6.19	53.0	13.5			
	1015	11.77		0.100	16.91	0.384	1.80	6.20	52.6	4.76			
	1020	12.03		0.100	17.51	0.383	1.90	6.23	51.1	4.92			
	1025	12.23		0.100	17.52	0.384	1.87	6.23	50.7	8.42			
	1030	12.49		0.100	17.17	0.384	1.77	6.22	51.6	8.77			
	1035 → SAMPLE												

Pumping Rate: ≤ 0.5L/min; **Measurements:** every 3 - 5 minutes; **Stabilization is defined as the following for three consecutive readings:** ± 0.5°C, ± 3% Conductivity; ± 10% DO; ± 0.1 pH; ± 10mV ORP; Turbidity as low as po

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MONITORING WELL DEVELOPMENT FORM

DMTA Inputed in Edge during Purging

LOCATION	Site: STB	LocID: CH-MW028
	Project Name:	Project #:

Date (mm/dd/yy)	Time (24 hr)	Water Level (FTOC)	Volume Removed (Gals)	Pumping Rate (Lpm)	Temp. (C)	Specific Conduct. (mS/cm)	DO (mg/L)	pH	ORP (mv)	Turb. (NTU)	Notes
06/22/17	1116	7.60									Intial WL & PID-0.9
	1140										start
	1145	8.84		0.090	24.17	0.361	4.33	6.50	36.7	15.2	
	1150	9.36		0.090	23.67	0.366	3.26	6.39	30.0	27.8	
	1155	9.96		0.090	23.34	0.368	2.62	6.34	26.5	21.5	
	1200	10.49		0.090	23.36	0.368	2.40	6.34	24.1	24.4	
	1205	11.09		0.090	23.49	0.368	2.49	6.28	21.6	13.8	
	1210	11.75		0.090	23.54	0.368	2.28	6.30	19.9	14.6	
	1215	12.23		0.090	23.67	0.368	2.19	6.32	18.9	15.2	
	1220	12.80		0.090	23.58	0.368	2.11	6.31	18.1	15.1	
	1225	13.36		0.090	24.01	0.366	2.06	6.33	16.7	15.9	
	1230										Collect Sample 17.12 Final

Drawdown: minimal Measurements:3-5 min Stabilization:+/- 0.5 C, +/- 3% conductivity, +/- 10% DO, +/- 0.1 pH, +/-10 mv ORP, turb=as low as possible (=10 NTU ideal) All for 3 consecutive readings

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AECOM

Monitoring Well Sample Collection Form

LOCATION	Site: Camp Hero - Near OU17	LocID: CH-MW029	Date: 06/22/17
	Project Name: Camp Hero Phase 3	Project Number: 60443903	Recorded By: JCS Checked By:
EQUIPMENT	Sampling Equipment - Pump: Peristaltic Geopump # 3670	Controller: NA	Compressor: NA
	Water Level Indicator Type/ID#: Solinst 101 ~~#SE101087~~ #32254 6/22/17	Water Quality Meter Type: YSI 6920 V2 Sonde ID: 15E101087	Handset ID: 15K100356
	PID Type/ID#: MiniRAE 3000 #542-919-3259	Equipment Decon: Liquinox wash, potable rinse, distilled rinse	
WELL & SAMPLING INFO	Description: Stickup	Screen Interval (BTOC): 10.60-20.60	Initial Depth to Water (BTOC): 7.58
	Historic Pump Settings: NA	Pump Inlet Depth (BTOC): ~15.6 ft	Ambient PID (ppm): 0.0
	Condition of Well/Comments: Excellent		Well Head PID (ppm): 0.5
	NOTE: TD = 20.93 ft btoc. Note sediment trap is 0.33 ft		

Date (MM/DD/YY)	Time (24 hr)	Depth to Water (BTOC)	Volume Removed (gallons)	Pumping Rate (Lpm)	Temp (°C)	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Pump Refill/ Discharge (seconds)	Pump Pressure (PSI)	Comment
06/22/17	0849	7.58	0.00	0.096	Cell	filling.	–	–	–	–	–	–	
	0854	7.88	0.13	0.102	15.49	0.314	7.04	6.01	60.5	0.1	–	–	
	0859	7.91	0.26		15.11	0.317	6.91	5.49	83.0	-0.4	–	–	
	0904	7.95	0.39		14.30	0.316	6.55	5.43	88.5	-0.1	–	–	
	0909	7.97	0.52		14.36	0.315	6.39	5.43	89.6	0.0	–	–	
	0914	7.98	0.65		14.47	0.311	6.40	5.42	93.2	-2.3	–	–	
	0919	8.00	0.78		14.87	0.307	6.39	5.42	99.3	-3.6	–	–	
	0924	↓	0.91		15.48	0.305	6.39	5.42	103.0	-2.4	–	–	Sun hitting tubing.
	0929	↓	1.04	↓	15.56	0.302	6.37	5.42	106.0	-3.5	–	–	

Pumping Rate: ≤ 0.5L/min; **Measurements:** every 3 - 5 minutes; **Stabilization is defined as the following for three consecutive readings:** ± 0.5°C, ± 3% Conductivity; ± 10% DO; ± 0.1 pH; ± 10mV ORP; Turbidity as low as po

Sample ID Numbers and Sample Time	Container Count, Volume & Type	Preservative	Parameter(s)
06/22/17 @ 0935	4 x 250 mL amber	none	SVOCs, PAH (total)
CH-MW029-02	4 x250 mL amber	none	SVOCs, PAH (dissolved)
CH-MW029-02-F	1 x250 mL poly	HNO_3	metals (total)
	1 x250 mL poly	HNO_3	metals (dissolved)

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AECOM Monitoring Well Sample Collection Form

LOCATION	Site: Camp Hero - Near DUI2	LocID: CH-MW030	Date: 06/26/17
	Project Name: Camp Hero Phase 3	Project Number: 60443903	Recorded By: JCS Checked By:
EQUIPMENT	Sampling Equipment - Pump: Geopump Peristaltic #3670	Controller: NA	Compressor: NA
	Water Level Indicator Type/ID#: Solinst 101 # 32254	Water Quality Meter Type: YSI 6920V2 Sonde ID: 15E101087	Handset ID: 15K100356
	PID Type/ID#: Mini RAE 3000 #592-419029	Equipment Decon: Liquinox wash, potable rinse, distilled rinse	
WELL & SAMPLING INFO	Description: Flush mount	Screen Interval (BTOC): 10.03-20.03	Initial Depth to Water (BTOC): 5.64 ft Ambient PID (ppm): 0.0
	Historic Pump Settings: NA	Pump Inlet Depth (BTOC): ~15.0	Well Head PID (ppm): 19.5
	Condition of Well/Comments: Excellent		
	NOTE: TD = 20.36 ft btoc . Note sediment trap is 0.33 ft.		

Date (MM/DD/YY)	Time (24 hr)	Depth to Water (BTOC)	Volume Removed (gallons)	Pumping Rate (Lpm)	Temp (°C)	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Pump Refill/ Discharge (seconds)	Pump Pressure (PSI)	Comment
06/26/17	1255	5.64	0.06	0.120	Cell filling	—	—	—	—	—	—	—	
	1300	6.35	0.16	0.100	21.26	0.340	1.70	6.53	-117.5	40.5	—	—	
	1305	6.88	0.29		19.26	0.329	0.63	6.53	-121.4	29.8	—	—	
	1310	7.24	0.42		19.65	0.327	0.47	6.59	-116.2	14.4	—	—	
	13	7.55	0.55		19.34	0.325	0.35	6.55	-109.8	11.3	—		
	1320	7.76	0.68		19.25	0.323	0.30	6.61	-108.9	10.8	—	—	Sheen on
	1325	7.88	0.81		19.46	0.321	0.33	6.61	-105.6	11.0	—	-	purge water.
	1330	7.99	0.94		19.38	0.318	0.55	6.60	-101.4	11.6	—	-	
	1335	8.10	1.07		19.22	0.315	0.83	6.59	-95.8	26.9	—	—	
	1340	8.22	1.20		19.09	0.315	0.99	6.57	-90.0	88.7	-	-	
	1345	8.30	1.33		19.14	0.314	0.97	6.58	-88.9	118.0	—	—	

Pumping Rate: ≤ 0.5L/min; **Measurements:** every 3 - 5 minutes; **Stabilization is defined as the following for three consecutive readings:** ± 0.5°C, ± 3% Conductivity; ± 10% DO; ± 0.1 pH; ± 10mV ORP; Turbidity as low as po

Sample ID Numbers and Sample Time	Container Count, Volume & Type	Preservative	Parameter(s)
06/26/17 @ 1500	4 x 250mL amber glass	none	SVOCs PAHs (Total)
CH-MW030-02	4 x 250mL amber glass	none	SVOCs PAHs (Dissolved)
CH-MW030-02-F	1 x 250mL poly	HNO_3	Metals (Total)
	1 x 250mL poly	HNO_3	Metals (Dissolved)
	3 x 40mL glass vials	HCl	VOCs

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Monitoring Well Sample Collection Form

LOCATION	Site: Camp Hero - Near DU12	LocID: CH-MW030	Date: 06/26/17
	Project Name: * Camp Hero Phase 3	Project Number: * 60443903	Recorded By: JCS Checked By:

Date (MM/DD/YY)	Time (24 hr)	Depth to Water (BTOC)	Volume Removed (gallons)	Pumping Rate (Lpm)	Temp (°C)	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Pump Refill/ Discharge (seconds)	Pump Pressure (PSI)	Comment
06/26/17	1350	8.39	1.46	0.100	18.90	0.319	0.90	6.58	-90.4	151.7	—	—	
	1355	8.45	1.59		19.05	0.319	0.83	6.59	-92.1	156.7	—	—	
	1400	8.51	1.72		18.89	0.320	0.75	6.59	-93.3	160.3	—	—	
	1405	8.55	1.85		18.74	0.320	0.74	6.59	-93.9	137.9	—	—	
	1410	8.58	1.98		18.83	0.322	0.68	6.60	-95.3	142.1	—	—	
	1415	8.60	2.11		19.09	0.323	0.63	6.61	-96.1	131.1	—	—	
	1420	8.61	2.24		18.80	0.325	0.56	6.62	-98.3	128.5	—	—	
	1425	8.70	2.37		18.55	0.325	0.50	6.62	-101.1	119.9	—	—	
	1430	8.74	2.50		18.67	0.327	0.46	6.63	-101.2	117.6	—	—	
	1435	8.78	2.63		18.34	0.328	0.41	6.63	-102.1	113.5	—	—	
	1440	8.82	2.76		18.46	0.329	0.36	6.62	-101.3	98.4	—	—	
	1445	8.85	2.89		18.57	0.330	0.32	6.64	-103.5	108.1	—	—	
	1450	8.87	3.02		18.38	0.330	0.29	6.64	-107.1	94.9	—	—	
	1455	8.90	3.15		18.21	0.330	0.28	6.63	-107.4	75.2	—	—	Well has been purged for 120 minutes.

Pumping Rate: ≤ 0.5L/min; **Measurements:** every 3 - 5 minutes; **Stabilization is defined as the following for three consecutive readings:** ± 0.5°C, ± 3% Conductivity; ± 10% DO; ± 0.1 pH; ± 10mV ORP; Turbidity as low as

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Monitoring Well Sample Collection Form

LOCATION	Site: Camp Hero - Near DU14	LocID: ~~CH-MW032~~ JH 6/23/17 CH-MW031		Date: 06/23/17	
	Project Name: Camp Hero Phase 3	Project Number: 60443903		Recorded By: JCS	Checked By:
EQUIPMENT	Sampling Equipment - Pump: Geopump Peristaltic #3670		Controller: NA		Compressor: NA
	Water Level Indicator Type/ID#: Solinst 101 #32254	Water Quality Meter Type: YSI 6920V2	Sonde ID: 15E101087		Handset ID: 15K100356
	PID Type/ID#: MiniRAE 3000 #592-919029	Equipment Decon: Liquinox wash, potable rinse, distilled rinse			
WELL & SAMPLING INFO	Description: Stickup	Screen Interval (BTOC): 9.97-19.97	Initial Depth to Water (BTOC): 13.99		Ambient PID (ppm): 0.0
	Historic Pump Settings: NA		Pump Inlet Depth (BTOC): ~18.0 ft		Well Head PID (ppm): 0.7
	Condition of Well/Comments: Excellent				
	NOTE: TD = 20.30 ft btoc. Note that sediment trap is 0.33 ft.				

Date (MM/DD/YY)	Time (24 hr)	Depth to Water (BTOC)	Volume Removed (gallons)	Pumping Rate (Lpm)	Temp (°C)	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Pump Refill/ Discharge (seconds)	Pump Pressure (PSI)	Comment
06/23/17	1045	13.99	0.00	0.140	Cell filling.	—	—	—	—	—	—	—	Adjust
	1050	14.31	0.18	0.100	19.00	0.226	3.28	5.88	47.7	3.6	—	—	
	1055	14.50	0.31		18.80	0.225	8.37	5.74	80.4	534.3	—		
	1100	14.72	0.43		18.42	0.225	8.07	5.70	96.1	340.0	—	—	
	1105	14.91	0.56		18.47	0.225	7.89	5.70	101.7	324.7	—	—	
	1110	15.14	0.69		18.18	0.225	8.00	5.68	106.4	351.3	—	—	
	1115	15.37	0.82		18.15	0.225	7.90	5.68	108.2	274.1	—	—	Stop at 30 minutes. Do not want to risk running out of water for sample.
	1120	Collect sample.											
	1155	Sample complete. Depth to water = 16.79 ft btoc at sample completion											

Pumping Rate: ≤ 0.5L/min; Measurements: every 3 - 5 minutes; Stabilization is defined as the following for three consecutive readings: ± 0.5°C, ± 3% Conductivity; ± 10% DO; ± 0.1 pH; ± 10mV ORP; Turbidity as low as po

Sample ID Numbers and Sample Time	Container Count, Volume & Type	Preservative	Parameter(s)
06/23/17 @ 1120	4x 250mL amber glass	None	SVOCs, PAHs (total)
CH-MW031-02	4x 250mL amber glass	None	SVOCs, PAHs (dissolved)
CH-MW031-02-F	1x 250mL poly	HNO_3	Metals (total)
	1x 250mL poly	HNO_3	Metals (dissolved)

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Monitoring Well Sample Collection Form

LOCATION	Site: Camp Hero - Near DU11	LocID: CH-MW032	Date: 06/23/17
	Project Name: Camp Hero Phase 3	Project Number: 60443903	Recorded By: JCS Checked By:
EQUIPMENT	Sampling Equipment - Pump: Geopump Peristaltic # 3670	Controller: NA	Compressor: NA
	Water Level Indicator Type/ID#: Solinst 101 # 32254	Water Quality Meter Type: YSI 6920V2 Sonde ID: 15E101087	Handset ID: 15K100356
	PID Type/ID#: Mini RAE 3000 # 592-919029	Equipment Decon: Liquinox wash, potable rinse, distilled rinse	
WELL & SAMPLING INFO	Description: Stickup	Screen Interval (BTOC): 12.44-27.44	Initial Depth to Water (BTOC): 11.49 ft
	Historic Pump Settings: NA		Pump Inlet Depth (BTOC): ~19.9 ft
	Condition of Well/Comments: Excellent		Ambient PID (ppm): 0.0
	NOTE: TD = 27.77 ft btoc. Note sediment trap is 0.33 ft.		Well Head PID (ppm): 35.6, odor

Date (MM/DD/YY)	Time (24 hr)	Depth to Water (BTOC)	Volume Removed (gallons)	Pumping Rate (Lpm)	Temp (°C)	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Pump Refill/ Discharge (seconds)	Pump Pressure (PSI)	Comment
06/23/17	0850	11.49	0.00	0.156	Cell filling.	—	—	—	—	—	—	—	Adjusting rate
	0855	11.62	0.21	↓	17.23	0.195	5.49	6.54	-22.3	6.8	—	—	
	0900	11.65	0.42	0.150	16.38	0.195	4.43	5.61	15.5	2.6	—	—	
	0905	11.67	0.62		16.07	0.205	3.81	5.62	11.4	3.0	—	—	
	0910	11.68	0.82		16.18	0.208	3.57	5.66	4.4	4.1	—	—	
	0915	11.69	1.02		15.95	0.210	3.65	5.68	1.3	1.9	—	—	
	0920	11.70	1.22		16.02	0.210	3.58	5.70	-0.2	4.2	—	—	
	0925	11.71	1.42		15.97	0.210	3.51	5.70	-0.8	6.3	—	—	
	0930	↓	1.62		16.03	0.210	3.57	5.68	-0.2	2.1	—	—	
↓	0935	↓	1.82	↓	15.93	0.211	3.64	5.68	-1.2	3.4	—	—	

Pumping Rate: ≤ 0.5L/min; **Measurements:** every 3 - 5 minutes; **Stabilization is defined as the following for three consecutive readings:** ± 0.5°C, ± 3% Conductivity; ± 10% DO; ± 0.1 pH; ± 10mV ORP; Turbidity as low as po

Sample ID Numbers and Sample Time	Container Count, Volume & Type	Preservative	Parameter(s)
06/23/17 @ 0940	3 x 40mL glass vial	HCl	VOCs
CH-MW032-02	4 x 250mL amber glass	None	SVOCs, PAHs (total)
CH-MW032-02-F	4 x 250mL amber glass	None	SVOCs, PAHs (dissolved)
	1 x 250mL poly	HNO_3	Metals (total)
	1 x 250mL poly	HNO_3	Metals (dissolved)

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Monitoring Well Sample Collection Form

LOCATION	Site: Dull	LocID: CH-MW 033	Date: 23 JUN 2017
	Project Name: Camp Hero Remedial Investigation	Project Number:	Recorded By: Robert + Ryan Checked By:

EQUIPMENT	Sampling Equipment - Pump:	Controller:	Compressor:
	Water Level Indicator Type/ID#:	Water Quality Meter Type: Sonde ID:	Handset ID:
	PID Type/ID#:	Equipment Decon:	

WELL & SAMPLING INFO	Description:	Screen Interval (BTOC): 17.25-32.25	Initial Depth to Water (BTOC): 6.72	Ambient PID (ppm):
	Historic Pump Settings:		Pump Inlet Depth (BTOC):	Well Head PID (ppm):
	Condition of Well/Comments:			
	NOTE: PID 1.0			

Date (MM/DD/YY)	Time (24 hr)	Depth to Water (BTOC)	Volume Removed (gallons)	Pumping Rate (Lpm)	Temp (°C)	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Pump Refill/ Discharge (seconds)	Pump Pressure (PSI)	Comment
06-23-17	1130	6.72	NA										Start Purge
	1135	7.01		0.136	18.05	0.227	4.54	6.72	69.5	5.62	NA	NA	
	1140	7.01		0.136	17.44	0.222	3.74	5.97	79.9	4.23			
	1145	7.01		0.136	17.38	0.220	3.47	5.57	86.7	4.24			
	1150	7.01		0.136	17.32	0.218	3.58	5.40	87.8	8.02			
	1155	7.01		0.136	17.56	0.216	3.63	5.39	85.8	5.91			
	1200	7.01		0.136	17.29	0.214	3.63	5.36	85.6	4.76			
	1205												SAMPLE

Pumping Rate: ≤ 0.5L/min; **Measurements:** every 3 - 5 minutes; **Stabilization is defined as the following for three consecutive readings:** ± 0.5°C, ± 3% Conductivity; ± 10% DO; ± 0.1 pH; ± 10mV ORP; Turbidity as low as po

Sample ID Numbers and Sample Time	Container Count, Volume & Type	Preservative	Parameter(s)
Tubing set 25' BTOC 1230 stop			

CH-MW034

Electronic Data Collection Only

CH-MW035

Electronic Data Collection Only

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Monitoring Well Sample Collection Form

LOCATION	Site: Camp Hero - Near AUØ8	LocID: CH-MW036	Date: 06/21/17
	Project Name: ~~LTRA~~ Camp Hero Phase 3	Project Number: 60443903	Recorded By: JCS Checked By:
EQUIPMENT	Sampling Equipment - Pump: Geopump Peristaltic #3670	Controller: NA	Compressor: NA
	Water Level Indicator Type/ID#: Geotech WaterLevel #5699	Water Quality Meter Type: YSI 1920V Sonde ID: 15E101087	Handset ID: 15K100356
	PID Type/ID#: MiniRAE 3000 592-919029	Equipment Decon: Liquinox wash, potable rinse, distilled rinse	
WELL & SAMPLING INFO	Description: Flushmount	Screen Interval (BTOC): 4.90-14.90	Initial Depth to Water (BTOC): 5.10
	Historic Pump Settings: NA		Pump Inlet Depth (BTOC): ~9.9 ft
	Condition of Well/Comments: Excellent		Ambient PID (ppm): 0.0 ppm
	NOTE: TD = 15.23 ft btoc, note sediment trap is 0.33 ft		Well Head PID (ppm): 2.6 ppm

Date (MM/DD/YY)	Time (24 hr)	Depth to Water (BTOC)	Volume Removed (gallons)	Pumping Rate (Lpm)	Temp (°C)	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Pump Refill/ Discharge (seconds)	Pump Pressure (PSI)	Comment
06/21/17	1235	5.10	0.0	0.124	Cell filling	—	—	—	—	—	—	—	
	1240	5.77	0.16	0.100	19.07	0.462	1.36	6.28	-73.5	-2.3	—	—	
	1245	5.91	0.29		18.80	0.449	0.46	6.20	-60.9	-4.2	—	—	
	1250	5.97	0.42		19.35	0.447	0.31	6.24	-59.0	9.7	—	—	
	1255	6.06	0.55		19.19	0.452	0.29	6.27	-54.9	44.7	—	—	
	1300	6.11	0.68		19.53	0.452	0.31	6.28	-52.1	63.9	—	—	
	1305	6.17	0.81		19.19	0.450	0.29	6.28	-50.2	65.6	—	—	
	1310	6.23	0.94		19.01	0.447	0.28	6.27	-49.4	57.7	—	—	
	1315	6.29	1.07		19.11	0.441	0.29	6.26	-49.1	62.3	—	—	
	1320	6.32	1.20		19.09	0.434	0.30	6.25	-48.3	60.6	—	—	
	1325	6.35	1.33		18.97	0.432	0.31	6.26	-48.9	58.6	—	—	

Pumping Rate: ≤ 0.5L/min, **Measurements:** every 3 - 5 minutes; **Stabilization is defined as the following for three consecutive readings:** ± 0 5°C, ± 3% Conductivity; ± 10% DO; ± 0.1 pH; ± 10mV ORP; Turbidity as low as po

Sample ID Numbers and Sample Time	Container Count, Volume & Type	Preservative	Parameter(s)
06/21/17 @ 1330	4 x 250 mL amber	None	PAHs, SVOCs (Total)
CH-MW036-02	4 x 250 mL amber	None	PAHs, SVOCs (Dissolved)
CH-MW036-02-F	1 x 250 mL poly	HNO_3	Metals (Total)
	1 x 250mL poly	HNO_3	Metals (Dissolved)

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AECOM Monitoring Well Sample Collection Form

LOCATION	Site: Camp Hero - Near DU08	LocID: CH-MW037	Date: 06/22/17
	Project Name: Camp Hero Phase 3	Project Number: 60443903	Recorded By: JCS Checked By:
EQUIPMENT	Sampling Equipment - Pump: Geopump Peristaltic # 3670	Controller: NA	Compressor: NA
	Water Level Indicator Type/ID#: Solinst 101 # 32254	Water Quality Meter Type: YSI 6920 V2 Sonde ID: 15E101087	Handset ID: 15K100356
	PID Type/ID#: Mini RAE 3000 # 592-919029	Equipment Decon: Liquinox wash, potable rinse, distilled rinse	
WELL & SAMPLING INFO	Description: Flush mount	Screen Interval (BTOC): 4.52-14.52 ft	Initial Depth to Water (BTOC): 5.30
	Historic Pump Settings: NA		Pump Inlet Depth (BTOC): ~9.9 ft
	Condition of Well/Comments: Excellent.		Ambient PID (ppm): 0.0
	NOTE: TD = 14.05 ft btoc . Note sediment trap is 0.33 ft.		Well Head PID (ppm): 1.1

Date (MM/DD/YY)	Time (24 hr)	Depth to Water (BTOC)	Volume Removed (gallons)	Pumping Rate (Lpm)	Temp (°C)	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Pump Refill/ Discharge (seconds)	Pump Pressure (PSI)	Comment
06/22/17	1140	5.30	0.00	0.170	Cell Filling	—	—	—	—	—	—	—	Water very clear
	1145	5.33	0.22	0.210	20.32	0.331	0.64	5.79	-103.0	1.8	—	—	
	1150	5.34	0.50	0.230	18.79	0.319	0.28	5.76	-109.0	-6.2	—	—	
	1155	5.35	0.80		17.99	0.322	0.21	5.83	-118.4	-6.4	—	—	
	1200		1.10		17.85	0.324	0.19	5.86	-123.9	-6.4	—	—	
	1205		1.40		18.19	0.324	0.13	5.88	-126.5	-6.0	—	—	
	1210		1.70		17.95	0.329	0.11	5.87	-127.6	-5.9	—	—	
	1215		2.00		17.41	0.325	0.09	5.85	-129.4	-5.3	—	—	
	1220		2.30		17.27	0.324	0.07	5.84	-129.9	-6.4	—	—	
	1225		2.60		17.40	0.326	0.07	5.84	-132.1	-6.1	—	—	
	1230		2.90		17.49	0.325	0.07	5.85	-134.7	-6.0	—	—	

Pumping Rate: ≤ 0.5L/min; **Measurements:** every 3 - 5 minutes; **Stabilization is defined as the following for three consecutive readings:** ± 0.5°C, ± 3% Conductivity; ± 10% DO; ± 0.1 pH; ± 10mV ORP; Turbidity as low as po

Sample ID Numbers and Sample Time	Container Count, Volume & Type	Preservative	Parameter(s)
06/22/17 @ 1240	8 x 250 mL amber glass	none	SVOCs, PAHs (Total)
CH-MW037-02	8 x 250 mL amber glass	none	SVOCs, PAHs (Dissolved)
CH-MW037-02-F	2 x 250 mL poly	HNO_3	Metals (Total)
CH-MW037-02D	2 x 250 mL poly	HNO_3	Metals (Dissolved)
CH-MW037-02D-F	2 x 250 mL poly	NH_4	Hex chrome (Total) + 280 drops NH_4
Also: Fe^{2+} analysis in field	2 x 250 mL poly	NH_4	Hex chrome (Dissolved) + 100 drops NH_4
Filtered:	4 x 40 mL glass vial	H_2SO_4	TOC
7.3 mg/L	4 x 40 mL glass vial	None	Anions
7.7 mg/L	4 x 40 mL glass vial	HCl	VHH
Unfiltered:	2 x 500 mL poly	None	BOD
8.3 mg/L	2 x 250 mL poly	None	Alkalinity
6.8 mg/L	2 x 250 mL poly	H_2SO_4	COD
7.8 mg/L			

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AECOM Monitoring Well Sample Collection Form

LOCATION	Site: D07	LocID: CH-MW038	Date: 21 JUN 2017
	Project Name: CAMP Hero Remedial Investigation	Project Number: 60443903	Recorded By: Robert Burns Checked By:

EQUIPMENT	Sampling Equipment - Pump: Geotech Peristaltic	Controller: NA	Compressor: NA
	Water Level Indicator Type/ID#: Geotech 5679	Water Quality Meter Type: 6920 Sonde ID: 15E/01087	Handset ID: 15K/00356
	PID Type/ID#: MiniRAE 3000 592-919020	Equipment Decon: dedicated tubing and Liquinox with Subsequent DI water rinse	

WELL & SAMPLING INFO	Description: Stickup	Screen Interval (BTOC): 11.91-21.91	Initial Depth to Water (BTOC): 8.36	Ambient PID (ppm): 0
	Historic Pump Settings: NA		Pump Inlet Depth (BTOC): 17	Well Head PID (ppm): 0.1
	Condition of Well/Comments:			
	NOTE:			

Date (MM/DD/YY)	Time (24 hr)	Depth to Water (BTOC)	Volume Removed (gallons)	Pumping Rate (Lpm)	Temp (°C)	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Pump Refill/ Discharge (seconds)	Pump Pressure (PSI)	Comment
06/21/17	1510	8.36	.2	0.150	NA	NA	NA	NA	NA	NA	NA	NA	Start
	1515	8.66	.4	0.150	18.62	0.178	4.48	6.10	113.4	1.7	NA	NA	
	1520	8.66	.6	0.150	18.38	0.172	5.13	6.04	122.0	1.1	NA	NA	
	1525	8.66	.8	0.150	18.34	0.173	4.44	6.05	115.4	0.4	NA	NA	
	1530	8.66	1.0	0.150	18.24	0.173	4.50	6.05	111.5	0.2	NA	NA	
	1535	8.66	1.2	0.150	18.42	0.173	4.32	6.06	105.1	0.3	NA	NA	
	1540	8.66	1.4	0.150	18.47	0.173	4.32	6.08	97.9	1.4	NA	NA	
	1545	8.66	1.6	0.150	18.23	0.172	4.68	6.08	93.6	0.4	NA	NA	
	1550	8.66	1.8	0.150	18.24	0.172	4.36	6.07	88.3	0.8	NA	NA	

Pumping Rate: ≤ 0.5L/min, Measurements: every 3 - 5 minutes; Stabilization is defined as the following for three consecutive readings: ± 0.5°C, ± 3% Conductivity; ± 10% DO; ± 0.1 pH; ± 10mV ORP; Turbidity as low as po

Sample ID Numbers and Sample Time	Container Count, Volume & Type	Preservative	Parameter(s)
CH-MW038-02	4x 250ml Amber	None	PAH, SVOC's (total)
CH-MW038-02-F sampled @ 1555	4x 250ml Poly	HNO_3	Metals (total)
	1x 250ml Amber	None	PAH, SVOC's (Dissolved)
	1x 250ml Poly	HNO_3	Metals (Dissolved)
	1x 250ml Poly	NH_4	Cr^{6+} (total)
	1x 250ml Poly	NH_4	Cr^{6+} (Dissolved)

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AECOM Monitoring Well Sample Collection Form

LOCATION	Site: Camp Hero - Near DU15	LocID: CH-MW039	Date: 06/21/17
	Project Name: Camp Hero Phase 3	Project Number: 60443903	Recorded By: JCS Checked By:

EQUIPMENT	Sampling Equipment - Pump: Peristaltic Geopump #3670	Controller: —	Compressor: —
	Water Level Indicator Type/ID#: Solinst 101 # 32254	Water Quality Meter Type: YSI 6920 Sonde ID: 15E101087	Handset ID: 15K100356
	PID Type/ID#: MiniRAE 3000 # 592-919029	Equipment Decon: Liquinox wash, potable rinse, distilled rinse	

WELL & SAMPLING INFO	Description: Stick up	Screen Interval (BTOC): 7.39 - 17.39	Initial Depth to Water (BTOC): 5.33	Ambient PID (ppm): 0.0
	Historic Pump Settings: NA		Pump Inlet Depth (BTOC): ~12.4 ft	Well Head PID (ppm): 1.1
	Condition of Well/Comments: Excellent			
	NOTE: TD = 17.72 ft btoc, note sediment trap is 0.33 ft.			

Date (MM/DD/YY)	Time (24 hr)	Depth to Water (BTOC)	Volume Removed (gallons)	Pumping Rate (Lpm)	Temp (°C)	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Pump Refill/ Discharge (seconds)	Pump Pressure (PSI)	Comment
06/21/17	0810	5.33	0.0	0.240	Cell	Filling	—	—	—	—	—	—	Water very clear
	0815	5.44	0.32		14.67	0.148	4.24	5.52	93.9	-4.6	—	—	
	0820	5.45	0.64		14.23	0.145	3.87	5.16	123.2	-4.3	—	—	
	0825	5.46	0.96		14.19	0.145	3.68	5.15	123.8	-5.3	—	—	
	0830	↓	1.28		14.02	0.147	3.27	5.15	127.6	-7.3	—	—	
	0835		1.60		14.10	0.149	2.93	5.15	132.0	-6.1	—	—	
	0840		1.92		13.96	0.149	2.91	5.17	131.8	-6.3	—	—	
	0845		2.24		13.96	0.149	2.90	5.17	132.7	-6.2	—	—	
	0850	↓	2.56	↓	14.00	0.148	2.96	5.16	134.2	-5.3	—	—	
↓	0900	Collect sample											
											06/20/17		

Pumping Rate: ≤ 0.5L/min; **Measurements:** every 3 - 5 minutes; **Stabilization is defined as the following for three consecutive readings:** ± 0.5°C, ± 3% Conductivity; ± 10% DO; ± 0.1 pH; ± 10mV ORP; Turbidity as low as po

Sample ID Numbers and Sample Time	Container Count, Volume & Type	Preservative	Parameter(s)
6/21/17 @ 0900	18 x 250mL Amber	None	PAHs, SVOCs, PCBs (TOT)
CH-MW039-02	18 x 250mL Amber	None	PAHs, SVOCs, PCBs (DIS)
CH-MW039-02MS	3x 250mL Poly	HNO3	Metals (TOT)
CH-MW039-02MSD	3x 250mL Poly	HNO3	Metals (DIS)
CH-MW039-02-F			
CH-MW039-02MS-F			
CH-MW039-02MSD-F			

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AECOM Monitoring Well Sample Collection Form

LOCATION	Site: Camp Hero Remedial Investigation JZ	LocID: CH-MW040	Date: 21 JUN 2017
	Project Name: DU15	Project Number: 60443903	Recorded By: Robert Ross Checked By:
EQUIPMENT	Sampling Equipment - Pump: GeoTech Peristaltic	Controller: NA	Compressor: NA
	Water Level Indicator Type/ID#: Geotech 5699	Water Quality Meter Type: 6920 Sonde ID: 15610187	Handset ID:
	PID Type/ID#: MiniRAE3000 592-919020	Equipment Decon: Dedicated tubing and Liquinox w/ subsequent DI water rinse	
WELL & SAMPLING INFO	Description: Stickup	Screen Interval (BTOC): 8.13 18.13	Initial Depth to Water (BTOC): 11.40
	Historic Pump Settings: NA		Pump Inlet Depth (BTOC): 14.5
	Condition of Well/Comments:		Ambient PID (ppm): 0
	NOTE:		Well Head PID (ppm): 0.3

Date (MM/DD/YY)	Time (24 hr)	Depth to Water (BTOC)	Volume Removed (gallons)	Pumping Rate (Lpm)	Temp (°C)	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Pump Refill/ Discharge (seconds)	Pump Pressure (PSI)	Comment
06/21/17	1005	11.40	NA	0.120	NA	NA	NA	NA	NA	NA	NA	NA	Start Purge
6/21/17	1010	11.49	.16	0.120	17.65	0.242	2.58	5.48	102.4	3.9	NA	NA	
6/21/17	1015	11.49	0.32	0.120	17.23	0.244	6.74	5.42	108.6	3.0	NA	NA	
6/21/17	1020	11.49	0.48	0.120	17.08	0.246	6.70	5.40	111.2	2.3	NA	NA	
6/21/17	1025	11.49	0.64	0.120	16.38	0.254	6.98	5.45	113.5	3.3	NA	NA	
6/21/17	1030	11.49	0.8	0.120	17.29	0.258	6.88	5.49	112.3	3.8	NA	NA	
6/21/17	1035	11.49	0.96	0.120	17.41	0.259	6.86	5.49	112.5	3.9	NA	NA	
6/21/17	1040	11.44	1.12	0.120	17.32	0.262	7.01	5.48	113.3	4.2	NA	NA	

Pumping Rate: ≤ 0.5L/min; Measurements: every 3 - 5 minutes; Stabilization is defined as the following for three consecutive readings: ± 0.5°C, ± 3% Conductivity; ± 10% DO; ± 0.1 pH; ± 10mV ORP; Turbidity as low as po

Sample ID Numbers and Sample Time	Container Count, Volume & Type	Preservative	Parameter(s)
CH-MW040-02 @ 1040	12X 250mL Amber	None	PAH, PCBs, SVOCs (Total)
CH-MW040-02D @ 1040	2X 250mL Poly	HNO3	Metals (Total)
CH-MW040-02-F @ 1040	12X250mL Amber	None	PAH, PCBs, SVOCs (DISS)
CH-MW040-02D-F @ 1040	2X250mL Poly	HNO3	Metals (DISS)

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AECOM Monitoring Well Sample Collection Form

LOCATION	Site: D006	LocID: CH-MW041		Date: 6/21/17	
	Project Name: Chevron Hero	Project Number:		Recorded By: MG	Checked By:
EQUIPMENT	Sampling Equipment - Pump: Peristaltic geopump #681		Controller: —		Compressor: —
	Water Level Indicator Type/ID#: KECK		Water Quality Meter Type: YSI 6920	Sonde ID:	Handset ID:
	PID Type/ID#: MiniRAE 3000 #592-		Equipment Decon:		
WELL & SAMPLING INFO	Description:	Screen Interval (BTOC):	Initial Depth to Water (BTOC): 5.94		Ambient PID (ppm): 0.0
	Historic Pump Settings:		Pump Inlet Depth (BTOC): 25'		Well Head PID (ppm): 6.6
	Condition of Well/Comments:				
	NOTE:				

Date (MM/DD/YY)	Time (24 hr)	Depth to Water (BTOC)	Volume Removed (gallons)	Pumping Rate (Lpm)	Temp (°C)	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Pump Refill/ Discharge (seconds)	Pump Pressure (PSI)	Comment
06/21/17	1359	6.40	—	0.104	18.44	0.207	6.15	5.09	128.5	-1.7	—	—	
	1405	6.31			17.80	0.204	5.61	4.71	176.4	-4.6			
	1410	6.38	0.35		17.92	0.204	5.50	4.72	179.3	-4.8			
	1415	6.39	0.50		17.31	0.204	5.66	4.68	181.7	-6.0			
	1419	6.39	0.65		17.41	0.204	5.54	4.67	182.6	-5.8			
	1424	6.39	0.80		17.41	0.204	5.54	4.67	182.6	-5.8			
	1429	6.39	0.95		17.06	0.204	5.63	4.67	183.2	-6.4			
	1434	6.39	1.05		16.36	0.204	5.63	4.66	182.9	-6.3			
	1439	6.39	1.25		16.25	0.204	5.64	4.66	183.8	-6.1			
	1445	6.39	1.50		15.93	0.203	5.72	4.67	180.5	-6.4			
	1450	6.39	1.70		15.89	0.203	5.65	4.67	181.1	-5.7			

Pumping Rate: ≤ 0.5L/min; Measurements: every 3 - 5 minutes; Stabilization is defined as the following for three consecutive readings: ± 0.5°C, ± 3% Conductivity; ± 10% DO; ± 0.1 pH; ± 10mV ORP; Turbidity as low as po

Sample ID Numbers and Sample Time	Container Count, Volume & Type	Preservative	Parameter(s)
1455	PAH/SVOC (x2)	—	4x 250 ml amber glass
CH-MW041-02 (-F)	metals (x2)	HNO_3	1x 250 poly

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Monitoring Well Sample Collection Form

LOCATION	Site: DV06	LocID: CH-MW042	Date: 6/21/17
	Project Name: Camp Hero Phase III RI	Project Number: 60443093	Recorded By: MG Checked By:
EQUIPMENT	Sampling Equipment - Pump: Peristaltic, geopump 601	Controller: —	Compressor: —
	Water Level Indicator Type/ID#: KECK	Water Quality Meter Type: Sonde ID:	Handset ID:
	PID Type/ID#: MiniRAE 3000 592-919019	Equipment Decon:	
WELL & SAMPLING INFO	Description: 2" PVC	Screen Interval (BTOC): 20-30'	Initial Depth to Water (BTOC): 8.74
	Historic Pump Settings: —		Pump Inlet Depth (BTOC): 25'
	Condition of Well/Comments: flush-mount		Ambient PID (ppm): 0.0
	NOTE:		Well Head PID (ppm): 2.3

Date (MM/DD/YY)	Time (24 hr)	Depth to Water (BTOC)	Volume Removed (gallons)	Pumping Rate (Lpm)	Temp (°C)	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Pump Refill/ Discharge (seconds)	Pump Pressure (PSI)	Comment
06/21/17	1115	9.39	0		BEGIN PURGE								
	1120	9.61	0.10	0.116	21.55	0.409	2.26	6.33	-15.4	0	—	—	
	1125	10.25	0.20		20.48	0.413	1.53	6.37	-30.7	-5.6			
	1130	10.62	0.35		20.96	0.414	1.37	6.40	-35.8	-10.0			
	1135	11.02	0.50		21.28	0.413	1.16	6.41	-37.3	-10.1			
	1140	11.29	0.60		21.16	0.415	1.13	6.41	-37.5	-10.0			
	1145	11.70	0.75		21.39	0.415	1.11	6.41	-36.7	-9.6			
	1150	12.01	0.90		21.51	0.415	1.09	6.40	-33.6	-10.5			
	1155	12.26	1.05		21.67	0.416	1.07	6.40	-32.5	-10.4			

Pumping Rate: ≤ 0.5L/min; Measurements: every 3 - 5 minutes; Stabilization is defined as the following for three consecutive readings: ± 0.5°C, ± 3% Conductivity; ± 10% DO; ± 0.1 pH; ± 10mV ORP; Turbidity as low as po

Sample ID Numbers and Sample Time	Container Count, Volume & Type	Preservative	Parameter(s)
CH-MW042-02 (-F) 1155	(x2) 4 x 250ml amber glass	—	PAH / SVOC
	(x2) 1 x 250ml poly	HNO_3	metals

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AECOM

Monitoring Well Sample Collection Form

LOCATION	Site: MP	LocID: CH-MW043	Date: 27JUN2017
	Project Name: CAMP Hero	Project Number:	Recorded By: RobertBurns Checked By:

EQUIPMENT	Sampling Equipment - Pump: Peristaltic Geotech 498	Controller: NA	Compressor: NA
	Water Level Indicator Type/ID#: Geotech 5694	Water Quality Meter Type: YSI Sonde ID: 02D0142AD	Handset ID: 02D0344AD
	PID Type/ID#: MiniRAE3000 592-919019	Equipment Decon: Liquinox w/ DI water Rinse	

WELL & SAMPLING INFO	Description: Flush Mount	Screen Interval (BTOC): 9.44-19.44	Initial Depth to Water (BTOC): 7.29	Ambient PID (ppm): 0
	Historic Pump Settings: NA		Pump Inlet Depth (BTOC): 14.5	Well Head PID (ppm): 0.6
	Condition of Well/Comments:			
	NOTE: 1415- collect Sample, MNA/VOC collected. Field Filtered			

Date (MM/DD/YY)	Time (24 hr)	Depth to Water (BTOC)	Volume Removed (gallons)	Pumping Rate (Lpm)	Temp (°C)	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Pump Refill/ Discharge (seconds)	Pump Pressure (PSI)	Comment
0627-17	1320	7.29	Start								NA	NA	Start Rig
	1325	7.76	0.165	0.126	18.21	0.372	5.20	6.05	70.3	6.8			
	1330	7.78	0.31	0.112	17.64	0.368	2.11	5.87	92.7	7.7			
	1335	7.78	0.455	0.117	17.87	0.364	1.82	5.92	97.2	7.1			
	1340	7.80	0.6	0.117	17.47	0.358	1.46	5.94	103.0	7.2			
	1345	7.78	.715	0.090	17.36	0.356	1.81	5.93	104.3	7.2			
	1350	7.74	0.845	0.100	17.48	0.355	1.40	5.95	104.9	7.0			
	1355	7.75	0.975	0.100	17.58	0.354	1.47	5.95	105.3	7.0			
	1400	7.75	1.10	0.100	17.50	0.352	1.05	5.95	108.3	6.3			
	1405	7.75	1.23	0.100	17.52	0.350	1.06	5.94	109.6	6.5			
	1410	7.75	1.36	0.100	17.62	0.350	1.01	5.94	109.7	6.6			

Pumping Rate: ≤ 0.5L/min; **Measurements:** every 3 - 5 minutes; **Stabilization is defined as the following for three consecutive readings:** ± 0.5°C, ± 3% Conductivity; ± 10% DO; ± 0.1 pH; ± 10mV ORP; Turbidity as low as po

Sample ID Numbers and Sample Time	Container Count, Volume & Type	Preservative	Parameter(s)
CH-MW043-02 CH-MW04B-02-F			

Appendix I5

Surface Water and Sediment Sampling Forms

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Surface Water Quality Field Data and Stream Characteristics
Camp Hero Remedial Investigation
Montauk, New York

Location	Date	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	pH	Specific Conductance (mS/cm)	Temperature (°C)	Turbidity (NTU)	Revetments Present (Y/N)	Stream Width (in)	Water Depth (in)
CH-SWSD001	06/08/17	4.59	230.1	5.33	0.218	14.75	1.8	N	74	2.5
CH-SWSD002	06/08/17	5.45	257.4	4.78	0.209	15.2	78	N	74	2
CH-SWSD003	06/08/17	4.76	274.6	4.72	0.202	14.37	2.4	N	41	2
CH-SWSD004	06/09/17	7.66	117.2	6.85	0.189	13.51	0.5	N	104	2.5
CH-SWSD005	06/09/17	7.61	106.3	6.78	0.187	13.64	0.1	N	46	4
CH-SWSD006	06/09/17	7.59	88.7	6.80	0.188	13.57	0.5	N	45	3.5
CH-SWSD007	06/09/17	7.63	67.7	7.04	0.189	13.73	0	N	52	3
CH-SWSD008	06/09/17	3.17	136.1	5.04	0.160	18.92	4.0	N	20	2
CH-SWSD009	06/09/17	3.44	31.8	5.41	0.202	17.65	4.3	N	10	4
CH-SWSD010	06/09/17	4.01	196.8	4.38	0.316	17.8	8.0	N	12	3
CH-SWSD011	06/10/17	4.92	269.0	4.15	0.155	20.32	1.0	N	36	1
CH-SWSD012	06/10/17	5.46	280.5	4.09	0.154	18.67	0.9	N	50	4.5
CH-SWSD013	06/10/17	5.9	277.0	4.22	0.151	18.42	1.9	N	62	4.5
CH-SWSD014	06/09/17	6.27	118.8	5.55	0.399	16.87	7.4	N	3	3
CH-SWSD015	06/09/17	6.45	146.6	5.38	0.402	17.69	8.6	N	48	4
CH-SWSD016	06/08/17	7.19	266.6	4.78	0.223	13.98	0	Y	36	0.75
CH-SWSD017	06/08/17	7.58	256.7	4.83	0.219	14.32	2.0	Y	34.5	3
CH-SWSD018	06/08/17	7.14	223.4	4.84	0.215	13.87	0	Y	28	2
CH-SWSD019	06/08/17	7.17	279.1	4.75	0.193	15.23	1.5	Y	36	3
CH-SWSD020	06/08/17	7.18	266.0	4.78	0.191	15.32	0.6	Y	41	3
CH-SWSD021	06/08/17	7.06	291.8	3.96	0.216	14.31	0.2	Y	42.5	4.5
CH-SWSD022	06/08/17	7.44	316.7	3.98	0.271	13.09	2.9	Y	23	3
CH-SWSD023	06/08/17	5.87	337.7	3.44	0.272	13.60	1.6	Y	29	1
CH-SWSD024	06/10/17	6.47	143.7	6.37	0.196	17.28	1.8	Y	23.5	0.5
CH-SWSD025	06/10/17	5.74	175.1	5.52	0.194	16.73	0.6	Y	14	1
CH-SWSD026	06/10/17	5.50	201.8	5.17	0.193	17.05	0.9	Y	18	0.5
CH-SWSD027	06/07/17	2.57	282.0	4.59	0.137	14.33	1.8	Y	31.5	1
CH-SWSD028	06/07/17	4.16	224.8	4.78	0.133	14.31	0.9	Y	21	5
CH-SWSD029	06/07/17	3.5	213.3	4.88	0.132	15.14	0.5	Y	30.5	5
CH-SWSD030	06/07/17	3.03	198.6	3.15	0.133	16.38	0.3	Y	31.25	2
CH-SWSD031	06/06/17	5.55	69	6.13	0.155	11.72	103.1	Y	18	1.5
CH-SWSD032	06/06/17	6.15	137.1	6.28	0.153	11.72	13.8	Y	21	1
CH-SWSD033	06/06/17	6.40	128.0	6.37	0.152	11.99	125.4	Y	48	1
CH-SWSD034	06/06/17	6.24	142.4	6.45	0.154	11.95	7.3	Y	48	1
CH-SWSD035	06/06/17	5.76	145.5	6.42	0.152	12.26	13.5	Y	32	1
CH-SWSD036	06/06/17	3.89	77.7	6.29	0.160	12.32	1.6	Y	11	3.5
CH-SWSD037	06/06/17	3.96	104.5	6.03	0.159	12.56	7.0	Y	28	2
CH-SWSD038	06/06/17	3.82	109.6	6.04	0.159	12.57	1.5	Y	37	2.5
CH-SWSD039	06/06/17	3.65	115.8	6.05	0.157	12.55	2.0	Y	10	3
CH-SWSD040	06/06/17	2.92	104.3	5.97	0.155	12.66	1.4	Y	18	2
CH-SWSD041	06/06/17	2.58	89.9	5.94	0.155	12.74	1.0	Y	1.5	2
CH-SWSD042	06/06/17	2.57	88.1	5.93	0.155	12.8	2.2	Y	17	1.5
CH-SWSD043	06/06/17	2.58	104.2	5.93	0.155	12.83	1.6	Y	24	5
CH-SWSD044	06/06/17	3.19	77.2	5.99	0.156	12.92	1.7	Y	21	5
CH-SWSD045	06/06/17	3.44	89.4	5.96	0.155	12.85	2.7	Y	27	4
CH-SWSD046	06/03/17	8.06	119.9	6.38	0.153	14.91	1.4	Y	96	3
CH-SWSD047	06/03/17	7.71	124.7	6.30	0.137	15.70	8.7	Y	42	2
CH-SWSD048	06/03/17	8.16	94.6	6.31	0.150	15.13	4.6	Y	31	4
CH-SWSD049	06/03/17	7.60	102.9	6.23	0.147	14.97	5.0	Y	48	3
CH-SWSD050	06/03/17	7.00	102.4	6.23	0.147	15.22	4.9	Y	24.5	4.5
CH-SWSD051	06/03/17	7.22	45.3	6.25	0.146	15.15	4.9	Y	19.5	4
CH-SWSD052	06/03/17	6.95	96.5	6.20	0.146	14.63	4.4	Y	23	5.5
CH-SWSD053	06/03/17	6.39	100.4	6.30	0.148	14.96	4.9	Y	12	4
CH-SWSD054	06/03/17	6.99	88.4	7.34	0.48	14.16	4.9	Y	17.5	3.5
CH-SWSD055	06/03/17	6.88	76.4	7.48	0.148	14.40	5.3	Y	21	4.5
CH-SWSD056	06/02/17	6.39	176.7	5.71	0.141	15.69	3.6	Y	64	8.5
CH-SWSD057	06/02/17	7.41	174.8	5.76	0.141	15.78	5.1	Y	84	8
CH-SWSD058	06/02/17	6.68	180.5	5.37	0.141	15.52	3.4	Y	62	8
CH-SWSD059	06/02/17	7.29	184.1	5.74	0.138	16.01	4.5	Y	48	8.5
CH-SWSD060	06/02/17	6.38	194.2	5.70	0.141	16.04	2.7	Y	48	6.5
CH-SWSD061	06/02/17	7.13	199.5	5.71	0.139	16.83	9.9	Y	24	3.5

Surface Water Quality Field Data and Stream Characteristics
Camp Hero Remedial Investigation
Montauk, New York

Location	Date	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	pH	Specific Conductance (mS/cm)	Temperature (°C)	Turbidity (NTU)	Revetments Present (Y/N)	Stream Width (in)	Water Depth (in)
CH-SWSD062	06/02/17	6.57	*	5.69	0.140	16.52	2.7	Y	19.5	5
CH-SWSD063	06/02/17	7.53	*	5.76	0.139	16.81	4.8	Y	45	4.5
CH-SWSD064	06/02/17	7.48	*	5.77	0.004	17.83	4.8	Y	79	3.5
CH-SWSD065	06/02/17	8.03	*	5.63	0.142	17.92	4.7	Y	57	3.5
CH-SWSD066	06/02/17	Dry	Dry	Dry	Dry	Dry	Dry	Y	Dry	0
CH-SWSD067	06/02/17	5.60	163.3	5.45	0.180	14.28	56	Y	20	1
CH-SWSD068	06/02/17	3.16	232.7	4.02	0.162	13.92	0.6	Y	17	2.5
CH-SWSD069	06/02/17	4.13	265.2	3.94	0.163	14.01	2.70	Y	18	2.5
CH-SWSD070	06/02/17	Dry	Dry	Dry	Dry	Dry	Dry	Y	Dry	0
CH-SWSD071	06/02/17	Dry	Dry	Dry	Dry	Dry	Dry	N	Dry	0
CH-SWSD072	06/02/17	6.56	291.7	3.75	0.175	14.81	11.4	N	41	1
CH-SWSD073	06/02/17	6.04	307.2	3.48	0.176	15.02	7.7	N	42	1.25
CH-SWSD074	06/02/17	7.34	314.1	3.66	0.177	17.29	18.2	N	46	0.75
CH-SWSD075	06/02/17	7.14	319.0	3.64	0.175	16.62	3.3	N	54	1
CH-SWSD076	06/02/17	8.63	310.5	3.75	0.171	17.77	3.00	N	76	1.25
CH-SWSD077	06/02/17	6.27	309.1	3.94	0.177	15.96	1.9	N	103	2
CH-SWSD078	06/02/17	5.42	258.3	3.83	0.177	16.77	3.7	N	77	0.75
CH-SWSD079	06/02/17	Dry	Dry	Dry	Dry	Dry	Dry	N	Dry	0
CH-SWSD080	06/05/17	7.32	282.8	4.14	0.205	13.62	0.4	Y	43.5	3
CH-SWSD081	06/05/17	7.33	283.2	4.14	0.205	13.64	3.1	Y	41	5
CH-SWSD082	06/05/17	7.20	296.9	4.15	0.205	14.08	1.2	Y	43.5	3
CH-SWSD083	06/05/17	7.30	284.3	4.14	0.205	13.82	1.2	Y	43	6
CH-SWSD084	06/05/17	7.31	301.7	4.15	0.205	13.92	1.1	Y	34.5	3
CH-SWSD085	06/05/17	7.40	308.8	4.23	0.198	13.63	5.5	Y	21	3
CH-SWSD086	06/05/17	7.4	308.8	4.23	0.198	13.63	5.5	Y	23	3
CH-SWSD087	06/05/17	7.40	308.8	4.23	0.198	13.63	5.2	Y	29	3
CH-SWSD088	06/05/17	7.40	308.8	4.23	0.198	13.59	7.1	Y	36	3
CH-SWSD089	06/05/17	7.29	304.5	4.27	0.195	13.94	1.8	Y	40	5.5
CH-SWSD090	06/05/17	6.96	306.4	4.27	0.194	13.82	1.6	Y	40	4
CH-SWSD091	06/05/17	7.11	308.8	4.27	0.194	13.71	1.8	Y	37	8
CH-SWSD092	06/05/17	7.81	311.2	4.25	0.194	13.82	4.8	Y	39	7.5
CH-SWSD093	06/05/17	7.50	315.0	4.27	0.193	14.23	4.2	Y	37.5	2.5
CH-SWSD094	06/05/17	7.57	309.1	4.27	0.194	14.31	5.2	Y	38	1.5
CH-SWSD095	06/05/17	7.66	283	4.28	0.192	13.98	4.4	Y	38	1.5
CH-SWSD096	06/08/17	Dry	Dry	Dry	Dry	Dry	Dry	Y	Dry	0
CH-SWSD097	06/08/17	Dry	Dry	Dry	Dry	Dry	Dry	Y	Dry	0
CH-SWSD098	06/07/17	3.57	79.3	5.96	0.155	15.22	66.1	Y	48	0.5
CH-SWSD099	06/07/17	4.23	158.9	5.84	0.163	14.04	7.2	Y	55	1.5
CH-SWSD100	06/07/17	4.98	194.1	5.92	0.156	14.98	2.2	Y	32	1
CH-SWSD101	06/01/17	4.65	*	6.46	0.163	19.65	8.3	Y	46	1
CH-SWSD102	06/01/17	3.97	*	6.41	0.163	19.41	6.2	Y	46	2
CH-SWSD103	06/01/17	4.55	*	6.34	0.159	19.94	7.8	Y	49	2
CH-SWSD104	06/01/17	7.06	*	6.33	0.152	18.69	6.5	N	46	2
CH-SWSD105	06/01/17	6.91	*	6.52	0.154	18.52	5.9	N	101	0.75
CH-SWSD106	06/01/17	4.87	*	6.23	0.149	18.06	3.9	Y	84	5.5
CH-SWSD107	06/01/17	4.98	*	6.26	0.151	17.34	3.8	Y	72	3.75
CH-SWSD108	06/01/17	4.08	*	6.26	0.155	17.7	5.9	Y	81	2
CH-SWSD109	06/01/17	5.67	*	6.34	0.151	16.08	12.2	Y	120	1.5
CH-SWSD110	06/01/17	4.84	*	6.31	0.159	16.13	8.1	Y	122	1.2
CH-SWSD111	06/10/17	Dry	Dry	Dry	Dry	Dry	Dry	N	Dry	0
CH-SWSD112	06/03/17	4.56	167.3	6.06	0.148	15.07	10.7	N	16	1
CH-SWSD113	06/03/17	5.80	185	5.98	0.146	14.96	6.3	N	16	3
CH-SWSD114	06/03/17	5.13	190.9	5.95	0.145	14.61	10.1	N	52	3
CH-SWSD115	06/03/17	6.36	199.5	6.13	0.145	14.33	17.9	N	78	3.5
CH-SWSD116	06/03/17	4.13	208.1	6.67	0.283	16.33	40.6	N	14	0.5
CH-SWSD117	06/03/17	3.36	77.6	6.34	0.162	15.06	21.6	N	12	1
CH-SWSD118	06/03/17	6.51	185.6	6.38	0.145	15.17	64.5	N	23	1
CH-SWSD119	06/03/17	8.26	192.6	6.23	0.143	14.68	4.0	N	32	3
CH-SWSD120	06/03/17	6.97	224.6	6.20	0.143	14.19	3.6	N	65	2
CH-SWSD121	06/03/17	7.82	190.2	6.51	0.158	13.95	2.5	N	65	3.5
CH-SWSD122	06/03/17	7.25	160.2	6.52	0.156	13.38	5.5	N	22	1.75

Surface Water Quality Field Data and Stream Characteristics
Camp Hero Remedial Investigation
Montauk, New York

Location	Date	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	pH	Specific Conductance (mS/cm)	Temperature (°C)	Turbidity (NTU)	Revetments Present (Y/N)	Stream Width (in)	Water Depth (in)
CH-SWSD123	06/02/17	7.18	143.1	6.50	0.155	13.68	5.3	N	18	2.5
CH-SWSD124	06/02/17	7.49	172.6	6.52	0.154	13.53	5.4	N	46	4
CH-SWSD125	06/02/17	8.45	187.7	6.70	0.154	13.91	3.4	N	15	2.5
CH-SWSD126	06/07/17	3.53	226.5	3.77	0.193	15.47	0.1	Y	22	1
CH-SWSD127	06/07/17	3.88	251.9	3.68	0.205	15.21	0.9	Y	19.75	1.5
CH-SWSD128	06/07/17	4.04	240.4	3.65	0.214	14.30	0.6	Y	25.5	1.75
CH-SWSD129	06/07/17	3.95	270.2	3.62	0.213	14.50	2.0	Y	24.5	3
CH-SWSD130	06/07/17	3.19	248.2	3.61	0.207	13.56	1.0	Y	24.5	3
CH-SWSD131	06/07/17	2.79	247.8	3.62	0.205	13.53	0.9	Y	24.5	4
CH-SWSD132	06/07/17	2.94	254.4	3.61	0.205	13.16	1.0	Y	25.5	4
CH-SWSD133	06/07/17	4.55	280.5	3.60	0.205	13.01	0.5	Y	26.5	2.75
CH-SWSD134	06/07/17	2.72	226.1	3.60	0.200	13.21	0.7	Y	25.5	5
CH-SWSD135	06/07/17	2.44	242.3	3.60	0.199	13.24	1.4	Y	25	5
CH-SWSD136	06/07/17	6.86	239.8	3.60	0.200	12.71	2.4	Y	25	7.75
CH-SWSD137	06/07/17	1.80	17.7	3.61	0.199	12.83	1.3	Y	25.5	9.5
CH-SWSD138	06/07/17	1.74	211.9	3.62	0.200	12.63	1.1	Y	25	10
CH-SWSD139	06/07/17	2.25	212.6	3.62	0.194	12.63	0.4	Y	25.5	7
CH-SWSD140	06/07/17	2.41	256.9	3.64	0.192	12.53	0.9	Y	24	5.5
CH-SWSD141	06/09/17	8.07	100.8	6.43	0.173	16.52	1.5	Y	46	4.5
CH-SWSD142	06/09/17	8.15	109.7	6.41	0.173	16.96	0.2	Y	48	4.5
CH-SWSD143	06/09/17	8.09	111.2	6.41	0.173	16.02	0.1	Y	49	2.5
CH-SWSD144	06/09/17	8.06	112.9	6.30	0.173	16.30	0.6	Y	46.6	6.5
CH-SWSD145	06/09/17	8.15	109.8	6.38	0.172	15.68	0.6	Y	45	6
CH-SWSD146	06/09/17	7.96	107.7	6.40	0.173	16.46	0.7	N	52	12
CH-SWSD147	06/09/17	7.95	111.1	6.33	0.174	16.57	0.7	N	56	6.5
CH-SWSD148	06/09/17	7.80	111.8	6.31	0.174	17.37	0.7	N	56	7
CH-SWSD149	06/09/17	7.66	125.7	6.28	0.176	19.55	2.4	N	102	8
CH-SWSD150	06/09/17	3.97	74.9	6.46	0.197	19.58	1.2	N	NA - Pond	3.5
CH-SWSD151	06/09/17	2.96	187.1	5.81	0.138	21.86	17.2	N	NA - Pond	2
CH-SWSD152	06/09/17	3.89	215.5	5.53	0.266	22.96	2.0	N	NA - Pond	4
CH-SWSD153	06/09/17	3.17	54.5	6.15	0.204	24.48	62.8	N	NA - Pond	2
CH-SWSD154	06/09/17	3.81	136.1	6.15	0.198	20.76	4.8	N	NA - Pond	2.5
CH-SWSD155	06/09/17	2.39	27.3	6.36	0.207	16.62	88.8	N	NA - Pond	3

Notes

* = ORP data could not be collected due to error message on water quality meter
°C = degrees Centigrade
in = inches
mg/L = miligrams per liter
mS/cm = millisiemens per centimeter
mV = millivolts
NTU = nephelometric turbidity unit
Y = yes
N = no
NA = Not Applicable

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Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD001

Date 6/8/17
Time 1100
Staff AWelsh

Loc ID ~~SWSD001~~ SWSD001-SED
Northing
Easting

Site Conditions
Water depth (ft): 2.5"
Flowing: (Yes) No
Channel width (ft): 74"
Revetted Channel: Yes (No)
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1.25"
Temperature (deg. C)	14.75
Sp. Conductance (mS/cm)	0.218
Dissolved Oxygen (mg/L)	4.59
Dissolved Oxygen (% sat)	45.3
pH (S.U.)	5.33
Turbidity	1.8
ORP	230.1

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD001-SW01
Sample Time: 1120
Type of Sample Grab (Pump) / Other Peristaltic
Sample depth (inches): 1.25"
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected SVOCs, Metals, Cr, Hardness

Sheen Yes / (No) Odor Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD001-SE01
Sample Time: ~~6/8/17 1125~~ 1145
Core penetration depth (inches): 7
RPD depth (inches): 7
Number of cores collected: 8
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg, Cr, Geochem

flap gauge auger

Sheen Yes / (No) Odor Yes / No
Notes and material description (include sediment type, texture, color, layering, entrained debris, biota):
1.7 ppm; wet brown fine to medium sand from 0-5 in; wet dark brown clayey sand 5-7 in

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date: 06-08-2017
Time: 1055
Staff: A. Weber

Loc ID: CH-SWSD002 ~~-SW01~~
Northing:
Easting:

Site Conditions
Water depth (~~ft~~): 2-inches
Flowing: (Yes) / No
Channel width (~~ft~~): 74-inches
Revetted Channel: Yes (No)
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 5E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1.0 inch
Temperature (deg. C)	15.2
Sp. Conductance (mS/cm)	0.209
Dissolved Oxygen (mg/L)	5.45
Dissolved Oxygen (% sat)	54.2
pH (S.U.)	4.78
Turbidity	78.0
ORP	257.4

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD002-SW01
Sample Time: 1100
Type of Sample: Grab / (Pump) / Other Peristaltic
Sample depth (inches):
No. of samples collected: 1
No. of samples rejected: NA Rationale: NA
Analyses Collected: SVOC, Metal, chromium, hardness
Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD002-SE01
Sample Time: 1115
Core penetration depth (inches): 15
RPD depth (inches): 15
Number of cores collected: 8
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg, Cr, Geochem
Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.3ppm; 0-8 in wet very dark brown silt; 8-10 in wet light brown sandy silt

flap gauge auger

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD-003

Date: 06/08/17
Time: 1024
Staff: A Weldon

Loc ID: SWSD-003
Northing:
Easting:

Site Conditions
Water depth (ft): 2" 41"
Flowing: (Yes) / No
Channel width (ft):
Revetted Channel: Yes / (No)
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1"
Temperature (deg. C)	14.37
Sp. Conductance (~~uS/cm~~) mS/cm	0.202
Dissolved Oxygen (mg/L)	9.76
Dissolved Oxygen (% sat)	96.6
pH (S.U.)	9.72
Turbidity	2.4
ORP	274.6

Surface water sample collection: (circle if collected: FD, MS/MSD)
Sample ID: CH-SWSD003-SW01
Sample Time: 1040
Type of Sample: Grab / (Pump) / Other peristaltic
Sample depth (inches): 1"
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: SVOCs, Metals, Hardness, ICP
Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: (circle if collected: FD, MS/MSD)
6/8/17
Sample ID: CH-SWSD003-SE01
Sample Time: 1045
Core penetration depth (inches): 8
RPD depth (inches): 8
~~Number of cores collected:~~ 2
~~Number of cores rejected:~~ 0 Rationale: N/A
auger Analyses Collected: SVOCs, TOC, Metals, Hg, Cr, Geochem
Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.0ppm; 0-8 in wet light brown fine sand with silt + clay

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD004

Date	6-9-2017
Time	0940
Staff	Robert Burns

Loc ID	SWSD-004
Northing	
Easting	

Site Conditions

Water depth (ft): 2.5" Flowing: (Yes) No

Channel width (ft): 104" Revetted Channel: Yes / (No)

Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1.25"
Temperature (deg. C)	13.51
Sp. Conductance (uS/cm)	0.189
Dissolved Oxygen (mg/L)	7.66
Dissolved Oxygen (% sat)	73.6
pH (S.U.)	6.85
Turbidity	0.5
ORP	117.2

Surface water sample collection: (circle if collected: FD MS/MSD)

Sample ID: CH-SWSD004-SW01

Sample Time: 0950

Type of Sample Grab / (Pump) / Other Peri

Sample depth (inches): 1.25"

No. of samples collected: 1

No. of samples rejected: NA Rationale: NA

Analyses Collected: SVOCs, Hardness, Cr, Metals

Sheen Yes / (No) Odor Yes / (No)

Notes (not covered in Habitat Form):

Sediment collection: (circle if collected: FD MS/MSD)

Sample ID: CH-SWSD004-SE01

Sample Time: 1000

Core penetration depth (inches): 8

RPD depth (inches): 8

auger — Number of cores collected: 2

Number of cores rejected: 0 Rationale: NA

Analyses Collected: SVOCs, TOC, Metals, Hg, Cr, Geochem

Sheen Yes / (No) Odor Yes / (No)

Notes and material description (include sediment type, texture color, layering, entrained debris, biota):

0.0 ppm; remove 1-2 in very leafy matter; 0-2 in wet dark brown fine sand with some silt; 2-8 in wet dark brown fine to coarse sand

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD005

Date	6/5/17
Time	0925
Staff	MM

Loc ID	SWSD-05
Northing	
Easting	

Site Conditions
Water depth (ft): 4" Flowing: (Yes) / No
Channel width (ft): 46" Revetted Channel: Yes / (No)
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	2"
Temperature (deg. C)	13.64
Sp. Conductance ~~(uS/cm)~~ mS/cm	0.187
Dissolved Oxygen (mg/L)	~~73.4 DUP~~ 7.61
Dissolved Oxygen (% sat)	73.4
pH (S.U.)	6.78
Turbidity	0.1
ORP	106.3

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD05-SW01
Sample Time: 0930
Type of Sample Grab / (Pump) / Other Peri.
Sample depth (inches): 24
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: Cr, Metals, Hardness, SVOCs
Sheen Yes / (No) Odor Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD005-SE01
Sample Time: 0940
Core penetration depth (inches): 8
RPD depth (inches): 8
auger Number of cores collected: 2
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg, Cr, Geochem
Sheen Yes / (No) Odor Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.0ppm. 0-8 in wet brown to gray fine to coarse sand with some fine to medium gravel

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD#006

Date	6-9-17
Time	0910
Staff	R. Burns / M. Miller

Loc ID	SWSD-006
Northing	
Easting	

Site Conditions

Water depth (ft): 3.5 Flowing: Yes / No
Channel width (ft): 45 Revetted Channel: Yes / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1.75"
Temperature (deg. C)	13.57
Sp. Conductance (~~uS/cm~~) MS/cm	0.188
Dissolved Oxygen (mg/L)	7.59
Dissolved Oxygen (% sat)	73.1
pH (S.U.)	6.80
Turbidity	0.5
ORP	88.7

Surface water sample collection: circle if collected FD MS/MSD

Sample ID: CH-SWSD006-SW01
Sample Time: 0915
Type of Sample Grab / Pump / Other Peri
Sample depth (inches): 1.75"
No. of samples collected: 1
No. of samples rejected: NA Rationale: NA
Analyses Collected: Hardness, Cr, Metals, SVOCs

Sheen Yes / No Odor Yes / No
Notes (not covered in Habitat Form):

Sediment collection: circle if collected FD MS/MSD

Sample ID: CH-SWSD006-SE01
Sample Time: 0920
Core penetration depth (inches): 8
RPD depth (inches): 8
Number of cores collected: 2
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg, Cr, Geochem

auger

Sheen Yes / No Odor Yes / No
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.0 ppm; 0-8 in wet brown to gray fine to coarse sand with some fine gravel and trace clay

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD007

Date: 6/9/17
Time: 0845
Staff: MM

Loc ID: SWSD-007
Northing:
Easting:

Site Conditions
Water depth (ft): 3'1"
Flowing: (Yes) / No
Channel width (ft): 52"
Revetted Channel: Yes / (No)
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1.5"
Temperature (deg. C)	13.73
Sp. Conductance (~~uS/cm~~) mS/cm	0.189
Dissolved Oxygen (mg/L)	7.63
Dissolved Oxygen (% sat)	73.6
pH (S.U.)	7.04
Turbidity	0
ORP	67.7

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD007-SW01
Sample Time: 0850
Type of Sample: Grab / Pump / Other PCT
Sample depth (inches): 1.5"
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: SVOCs, Hardness, Metals, Cr

Sheen: Yes / (No) Odor: (Yes) ~~No~~ - rec'd 6/9/17 biological?
Notes (not covered in Habitat Form):

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD007-SE01
Sample Time: 0910
Core penetration depth (inches): 8
RPD depth (inches): 8
Number of cores collected: 2 (auger)
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg, Cr, Geochem

Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.1 ppm; 0-8 in wet light brown to brown fine to coarse sand with some fine gravel

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date: 6/9/17
Time: 1510
Staff: MS TMC

Loc ID: CH-SWSD008
Northing:
Easting:

Site Conditions
Water depth (ft): 2in
Flowing: Yes / (No)
Channel width (ft): 20
Revetted Channel: Yes / (No)
Notes (not covered in Habitat Form):

Field Data Meter Type: 6920 V2 Meter ID: 15IE101097

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1in
Temperature (deg. C)	18.92
Sp. Conductance (uS/cm)	160
Dissolved Oxygen (mg/L)	3.17
Dissolved Oxygen (% sat)	34.1
pH (S.U.)	5.04
Turbidity	4.0
ORP	136.1

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD008
Sample Time: 1530
Type of Sample: Grab / (Pump) / Other
Sample depth (inches): 1in
No. of samples collected:
No. of samples rejected: Rationale:
Analyses Collected: SVOC, PAH, Metals, Chrom6
Sheen: (Yes) / No organic? Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD008-SE01
Sample Time: 0855
Core penetration depth (inches): 10
RPD depth (inches): 10
Number of cores collected: 7
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg, Cr, Geochem
flap gauge auger
Sheen: Yes / (No) Odor: Yes / No
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
1.0 ppm; wet dark brown silt with trace sand

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date	6/9/17
Time	1530
Staff	NS MG

Loc ID	CH-SWSD009
Northing	
Easting	

Site Conditions

Water depth (ft): 10 5 Flowing: Yes (No)
Channel width (ft): 4 in 2 Revetted Channel: Yes / (No)
Notes (not covered in Habitat Form):

Field Data Meter Type: QA20 V2 Meter ID: 151F101092

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	2 in
Temperature (deg. C)	17.65
Sp. Conductance (uS/cm)	207
Dissolved Oxygen (mg/L)	3.49
Dissolved Oxygen (% sat)	36.6
pH (S.U.)	5.41
Turbidity	4.3
ORP	31.8

Surface water sample collection: circle if collected FD MS/MSD

Sample ID: CH-SWSD009-SW01
Sample Time: 1545
Type of Sample Grab (Pump) / Other
Sample depth (inches): 2 in
No. of samples collected: 1
No. of samples rejected: Rationale:
Analyses Collected:

Sheen (Yes) / No organic Odor Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected FD MS/MSD

Sample ID: CH-SWSD009-SE01
Sample Time: 0905
Core penetration depth (inches): 7
RPD depth (inches): 7
Number of cores collected: 4
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg, Cr, Geochem

flap gauge auger

Sheen Yes / (No) Odor Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.2 ppm; wet dark brown silt with trace sand and some clay

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD010

Date: 6/9/17
Time: 1215
Staff: NS MG

Loc ID: SWSD010
Northing:
Easting:

Site Conditions
Water depth (ft): 3 inches
Flowing: Yes / No
Channel width (ft): 12
Revetted Channel: Yes / No
Notes (not covered in Habitat Form):

Field Data Meter Type: 6920 V2 Meter ID: 15E101092

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1.5 inches
Temperature (deg. C)	17.8
Sp. Conductance (uS/cm)	316
Dissolved Oxygen (mg/L)	4.01
Dissolved Oxygen (% sat)	40.2
pH (S.U.)	4.38
Turbidity	8.0
ORP	196.8

Surface water sample collection: circle if collected: FD MS/MSD
Sample ID: SWSD010-SW01
Sample Time: 1230
Type of Sample: Grab (Pump) Other: Peri pump
Sample depth (inches): 1.5 inches
No. of samples collected: 1
No. of samples rejected: Rationale:
Analyses Collected: SVOC, PAH, Metals, Hex Chrom.
Sheen: Yes / No Odor: Yes / No
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD010-SE01
Sample Time: 0930
Core penetration depth (inches): 8
RPD depth (inches): 8
Number of cores collected: 12
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg, Cr, Geochem
Sheen: Yes / No Odor: Yes / No
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.1 ppm; wet dark brown silt with clay with some brown fine sand lenses

CH-SWSD010-SE01D

flap gauge auger

field Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD011 dup

Date	6-10-17
Time	1115
Staff	Robert Burns

Loc ID	SWSD-011
Northing	
Easting	

Site Conditions

Water depth (ft): 1" Flowing: Yes / No
Channel width (ft): 36" Revetted Channel: Yes / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101092

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	0.5"
Temperature (deg. C)	20.32
Sp. Conductance (~~uS/cm~~) mS/cm	0.155
Dissolved Oxygen (mg/L)	4.92
Dissolved Oxygen (% sat)	55.9
pH (S.U.)	4.15
Turbidity	1.0
ORP	269.0

Surface water sample collection: circle if collected: FD MS/MSD

Sample ID: CH-SWSD011-SW01
Sample Time: 1120
Type of Sample Grab / Pump / Other Peri
Sample depth (inches): 0.5"
No. of samples collected: 1
No. of samples rejected: NA Rationale: NA
Analyses Collected: Metals, SVOCs, Cr, Hardness

Sheen Yes / No Odor Yes / No
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: FD MS/MSD

Sample ID: CH-SWSD011-SE01
Sample Time: 1130
Core penetration depth (inches): 8
RPD depth (inches): 8
Number of cores collected: 6
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg, Cr, Geochem

auger

Sheen Yes / No Odor Yes / No
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.0ppm; wet brown to gray gravelly fine to coarse sand with some clay

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD012

Date	6/16/17
Time	1055
Staff	MM

Loc ID	~~SWSD-012~~
Northing	
Easting	

Site Conditions

Water depth (ft): 4.5" Flowing: (Yes) / No

Channel width (ft): 50" Revetted Channel: Yes (No)

Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101092

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	2.25"
Temperature (deg. C)	18.67
Sp. Conductance (~~uS/cm~~ mS/cm)	0.154
Dissolved Oxygen (mg/L)	5.46
Dissolved Oxygen (% sat)	58.6
pH (S.U.)	4.09
Turbidity	0.9
ORP	280.5

Surface water sample collection: circle if collected FD MS/MSD

Sample ID: CH-SWSD012-SW01

Sample Time: 1100

Type of Sample Grab / (Pump) / Other peri.

Sample depth (inches): 2.25

No. of samples collected:

No. of samples rejected: ~~NS~~ 0 Rationale: N/A

Analyses Collected: SVOCs, Hardness, Metals, Cr.

Sheen Yes / (No) Odor Yes / (No)

Notes (not covered in Habitat Form):

Sediment collection: circle if collected FD MS/MSD

Sample ID: CH-SWSD012-SE01

Sample Time: 1115

Core penetration depth (inches): 8

RPD depth (inches): 8

auger

Number of cores collected: 3

Number of cores rejected: 0 Rationale: NA

Analyses Collected: SVOCs, TOC, Metals, Hg, Cr, Geochem

Sheen Yes / (No) Odor Yes / (No)

Notes and material description (include sediment type, texture color, layering, entrained debris, biota):

0.1; wet brown to gray fine to coarse sand with fine to medium gravel with some clay

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD013

Date: 6/10/17
Time: 1043
Staff: MM

Loc ID: SWSD-013
Northing:
Easting:

Site Conditions
Water depth (ft): 4.5"
Flowing: (Yes) / No
Channel width (ft): 62"
Revetted Channel: Yes / (No)
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101092

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	2.25"
Temperature (deg. C)	18.42
Sp. Conductance (uS/cm)	0.151
Dissolved Oxygen (mg/L)	5.9
Dissolved Oxygen (% sat)	62.9
pH (S.U.)	4.32
Turbidity	1.9
ORP	277.0

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD#013-SW01
Sample Time: 1045
Type of Sample: Grab / (Pump) / Other peri
Sample depth (inches): 2.25"
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: SVOCs, Hardness, Metals, Cr.

Sheen: Yes / (No) Odor: (Yes) / No
Notes (not covered in Habitat Form):

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD013-SED01
Sample Time: 1100
Core penetration depth (inches): 6
auger RPD depth (inches): 6
Number of cores collected: 4
Number of cores rejected: 0 Rationale: N/A
Analyses Collected: SVOCs, TOC, Cr, Metals, Hg, Geochem

Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.1 ppm, wet brown fine to coarse sand with some fine to medium gravel

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date: 6/9/17
Time: 1320
Staff: NS/MC

Loc ID: CH-SWSD014
Northing:
Easting:

Site Conditions
Water depth (ft): 3in
Flowing: Yes / No
Channel width (ft): 3
Revetted Channel: Yes / No
Notes (not covered in Habitat Form):

Field Data Meter Type: 6920 V2 Meter ID: 15F101092

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1.5in
Temperature (deg. C)	16.87
Sp. Conductance (uS/cm)	@ 399
Dissolved Oxygen (mg/L)	6.27
Dissolved Oxygen (% sat)	64.6
pH (S.U.)	6.55
Turbidity	7.4
ORP	118.8

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD014-SW01
Sample Time: 1330
Type of Sample: Grab / Pump / Other
Sample depth (inches):
No. of samples collected: 1
No. of samples rejected: Rationale:
Analyses Collected: SVOC, PAH, Metals, Hex Chrom
Sheen: Yes / No Odor: Yes / No
Notes (not covered in Habitat Form):

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD014-SE01
Sample Time: 0825
Core penetration depth (inches): 12
RPD depth (inches): 12
Number of cores collected: 8
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOC, TOC, Metals, Hg, Cr, Geochem
Sheen: Yes / No Odor: Yes / No
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.2 gore 0-3 in wet light brown fine to medium sand; 3-7 wet dark brown silty sand; 7-12 in wet dark brown fine to medium sand with some silt

flap gouge auger

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date: 6/9/17
Time: 1340
Staff: DS | MB

Loc ID: CH-SWSD015
Northing:
Easting:

Site Conditions
Water depth (ft): 4 inches Flowing: Yes / No
Channel width (ft): 4ft Revetted Channel: Yes / No
Notes (not covered in Habitat Form):

Field Data Meter Type: 1920 V2 Meter ID: 15E101092

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	2 inches
Temperature (deg. C)	17.69
Sp. Conductance (uS/cm)	402
Dissolved Oxygen (mg/L)	6.95
Dissolved Oxygen (% sat)	73.4
pH (S.U.)	5.38
Turbidity	8.6
ORP	146.6

Surface water sample collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD015-SW01
Sample Time: 1345
Type of Sample: Grab / Pump / Other
Sample depth (inches): 2 in
No. of samples collected: 1
No. of samples rejected: Rationale:
Analyses Collected: SVOC, PAH, Metals, hex Chrom
Sheen: Yes / No Odor: Yes / No
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD015-SE01
Sample Time: 0815
Core penetration depth (inches): 15
RPD depth (inches): 15
Number of cores collected: 8
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg, Cr, Geochem
Sheen: Yes / No Odor: Yes / No
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0-2 inch 0-3 in wet light brown fine to medium sand; 3-9 in wet dark brown silty sand; 9-15 in dark brown fine to medium sand with some silt

flap gauge auger

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD016

Date: 6/8/17
Time: 0957
Staff: AWeber

Loc ID: SWSD016
Northing:
Easting:

Site Conditions
Water depth (ft): 0.75 inches Flowing: (Yes) / No
Channel width (ft): 36. inches Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	0.375
Temperature (deg. C)	13.98
Sp. Conductance (mS/cm)	0.223
Dissolved Oxygen (mg/L)	7.19
Dissolved Oxygen (% sat)	69.8
pH (S.U.)	4.78
Turbidity	0.0
ORP	266.6

36 in
3/4 in

Surface water sample collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD016-SW01
Sample Time: 1015
Type of Sample: Grab / (Pump) / Other peristaltic
Sample depth (inches):
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: SVOCs, Cr, metals, Hardness

Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD016-SE01
Sample Time: 1025
Core penetration depth (inches): 12
RPD depth (inches): 12
Number of cores collected: 8
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOC, TOC, Metals, Hg, Cr, Geochem

flop gauge auger

Sheen: Yes / (No) Odor: (Yes) / No
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
4.7 ppm; 0-5 in wet fine to coarse sand (brown); 5-12 in wet dark brown sandy silt

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date: 06-08-2017
Time: 0942
Staff: A Weber

Loc ID: CH-SWSD017
Northing:
Easting:

Site Conditions
Water depth (ft): 3"
Flowing: (Yes) / No
Channel width (ft): 34.5"
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1.5"
Temperature (deg. C)	14.32
Sp. Conductance (uS/cm)	0.219
Dissolved Oxygen (mg/L)	7.58
Dissolved Oxygen (% sat)	74.0
pH (S.U.)	7.83
Turbidity	2.0
ORP	256.7

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD017-SW01
Sample Time: 0955
Type of Sample: Grab / (Pump) / Other Peristaltic
Sample depth (inches): 1.5"
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: SVOCs, Cr, Metals, Hardness

Sheen: Yes (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD017-SE01
Sample Time: 1010
Core penetration depth (inches): 12
RPD depth (inches): 12
Number of cores collected: 8
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg, Cr, Geochem

flap gauge auger

Sheen: Yes / (No) Odor: (Yes) No
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
3.1 ppm; 0-5 in wet brown fine to coarse sand; 5-12 in wet dark brown sandy silt

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD018

Date	6/8/17
Time	0920
Staff	A Weber

Loc ID: SWSD-018
Northing:
Easting:

Site Conditions
Water depth ~~(ft)~~: 2. inches Flowing: (Yes) / No
Channel width ~~(ft)~~: 28 - inches Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 16E101084

Water Quality Parameters:	Middle of Water Column
Measurement Depth ~~(ft)~~	1.0 inches
Temperature (deg. C)	13.97
Sp. Conductance (mS/cm)	0.215
Dissolved Oxygen (mg/L)	7.14
Dissolved Oxygen (% sat)	69.1
pH (S.U.)	4.94
Turbidity	0.0
ORP	223.4

28

Surface water sample collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD018-SW01
Sample Time: 0930
Type of Sample: Grab / (Pump) / Other: Peristaltic
Sample depth (inches): 3
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: SVOC, Metals, chromium, hardness

Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD-018-SE01
Sample Time: 0940
Core penetration depth (inches): 12
RPD depth (inches): 12
Number of cores collected: 1
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg, Cr, Geochem

flip gauge auger

Sheen: Yes / (No) Odor: (Yes) / No
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
5.3 ppm; 0-5 in wet brown fine to medium sand; 5-12 in dark brown silt with fine sand

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD019

Date 6/8/17
Time 1308
Staff A Wilson

Loc ID	SW SD 019
Northing	
Easting	

Site Conditions
Water depth (ft): 3" Flowing: (Yes) / No
Channel width (ft): 36" Revetted Channel: (Yes) No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1.5"
Temperature (deg. C)	16.23
Sp. Conductance (mS/cm)	0.193
Dissolved Oxygen (mg/L)	7.17
Dissolved Oxygen (% sat)	71.4
pH (S.U.)	4.75
Turbidity	1.5
ORP	279.1

Surface water sample collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD019-SW01
Sample Time: 1315
Type of Sample Grab / (Pump) / Other peristaltic
Sample depth (inches): 1.5
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: Cr, Metals, SVOCs, Hardness

Sheen Yes / (No) Odor Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD019-SE01
Sample Time: 1330
Core penetration depth (inches): 9
RPD depth (inches): 9
Number of cores collected: 8
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOC, TOC, Metals, Hg, Cr, Geochem

flap gasp auger

Sheen Yes / (No) Odor Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
3.4 ppm; remove 2 in wet leafy material; 0-7 in wet brown fine to coarse sand; 7-9 in dark brown sand with silt

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD020

Date	6/8/17
Time	1251
Staff	A Weber

Loc ID	SWSD-020
Northing	
Easting	

Site Conditions

Water depth (ft): 3" Flowing: (Yes) / No
Channel width (ft): 4" Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1.5"
Temperature (deg. C)	15.32
Sp. Conductance (mS/cm)	0.191
Dissolved Oxygen (mg/L)	~~7.18~~ 7.18
Dissolved Oxygen (% sat)	~~71.8~~ 71.8
pH (S.U.)	4.38
Turbidity	0.6
ORP	266.0

Surface water sample collection: circle if collected: FD MS/MSD

Sample ID: CH-SWSD020-SW01
Sample Time: 1300
Type of Sample Grab / Pump / Other Peristaltic
Sample depth (inches): 1.5
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: SVOCs, metals, hardness, Cr

Sheen Yes / (No) Odor Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: FD (MS/MSD)

Sample ID: CH-SWSD020-SE01 CH-SWSD020-SE01MS CH-SWSD020-SE01MSD
Sample Time: 1305
Core penetration depth (inches): ~~24~~ ~~12~~ 9
RPD depth (inches): 6/8/17 ~~24~~ ~~12~~ 9
Number of cores collected: 24
Number of cores rejected: 0 Rationale: N/A
Analyses Collected: SVOC, TOC, metals, Hg, Cr, Geochem

flap gasp auger

Sheen Yes / (No) Odor (Yes) / No
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):

7.3 ppm: remove 3 inches leafy matter; 0-7 in wet brown fine to coarse sand; 7-9 in dark brown sand with silt

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date: 06-08-2017
Time: 1400
Staff: A. Webber

Loc ID: CH-SWSD021-~~SW01~~ SW
Northing:
Easting:

Site Conditions
Water depth ~~(ft)~~: 4.5 inches Flowing: Yes / No
Channel width ~~(ft)~~: 42.5 inches Revetted Channel: Yes / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 5E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	2.25
Temperature (deg. C)	14.31
Sp. Conductance (mS/cm)	0.216
Dissolved Oxygen (mg/L)	7.06
Dissolved Oxygen (% sat)	69.0
pH (S.U.)	3.96
Turbidity	0.2
ORP	291.8

st 1/2
st 1/2

Surface water sample collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD021-SW01
Sample Time: 1415
Type of Sample: Grab / Pump / Other peristaltic
Sample depth (inches):
No. of samples collected: 1
No. of samples rejected: NA Rationale: NA
Analyses Collected: SVOC, Metals, chromium, Hardness

Sheen: Yes / No Odor: Yes / No
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD021-SE01
Sample Time: ~~1425~~ 1430
Core penetration depth (inches): 8
RPD depth (inches): 8
Number of cores collected: 2
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOC, TOC, Metals, Hg, Cr, Geochem

auger

Sheen: Yes / No Odor: Yes / No
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
3.4 ppm; 0-2 in ~~dark~~ wet dark brown silt with leaf matter; 2-8 in wet brown fine to coarse sand

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date: 06-08-2017
Time: 1420
Staff: A. Webber

Loc ID: CH-SWSD022 ~~-SW-01~~
Northing:
Easting:

Site Conditions
Water depth (ft): 3"
Flowing: (Yes) / No
Channel width (ft): 23"
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 5E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1.5"
Temperature (deg. C)	13.09
Sp. Conductance (mS/cm)	0.271
Dissolved Oxygen (mg/L)	~~7.47~~
Dissolved Oxygen (% sat)	71.2
pH (S.U.)	3.48
Turbidity	2.9
ORP	316.7

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD022-SW01
Sample Time: 1430
Type of Sample: Grab / (Pump) / Other: Peristaltic
Sample depth (inches): 1.5"
No. of samples collected: 1
No. of samples rejected: NA Rationale: NA
Analyses Collected: SVOC, Metals, chromium, hardness

Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD022-SE01
Sample Time: 1500
Core penetration depth (inches): 8 (auger)
RPD depth (inches): 8
Number of cores collected: 2
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg, Cr, Geochem

Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.0 ppm; 0-2 in wet brown silty sand; 2-8 in wet brown fine to medium sand

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date: 6-8-17
Time: 1335
Staff: Robert Burns

Loc ID: CH-SWSD-023
Northing:
Easting:

Site Conditions
Water depth (ft): 1"
Flowing: Yes / (No)
Channel width (ft): 29"
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	0.5"
Temperature (deg. C)	13.60
Sp. Conductance ~~(uS/cm)~~ mS/cm	0.272
Dissolved Oxygen (mg/L)	5.87
Dissolved Oxygen (% sat)	56.5
pH (S.U.)	3.44
Turbidity	1.6
ORP	337.7

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD023-SW01
Sample Time: 1340
Type of Sample Grab / (Pump) / Other Peri
Sample depth (inches): 0.5"
No. of samples collected: 1
No. of samples rejected: NA Rationale: NA
Analyses Collected: SVOCs, Metals, Hardness, CR

Sheen Yes / (No) Odor Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD023-SE01
Sample Time: 1400
Core penetration depth (inches): 14
RPD depth (inches): 14
Number of cores collected: 8
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg, Cr, Geochem

flap gauge auger

Sheen Yes (No) Odor (Yes) / No
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
5-3ppm; 0-12 dark brown organic silt/soil with high leaf+organic content; 12-14 dark ~~fine~~ brown fine to coarse sand

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD024

Date: 6/14/17
Time: 0835
Staff: MM

Loc ID: SWSP# 024
Northing:
Easting:

Site Conditions
Water depth (ft): 0.5"
Flowing: Yes / (No)
Channel width (ft): 23.5"
Revetted Channel: (Yes) No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E1010[redacted]92

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	0.25"
Temperature (deg. C)	17.78
Sp. Conductance (uS/cm)	0.196
Dissolved Oxygen (mg/L)	6.47
Dissolved Oxygen (% sat)	68.2
pH (S.U.)	6.37
Turbidity	1.8
ORP	143.7

Surface water sample collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD024-SW01
Sample Time: 0840
Type of Sample: Grab / (Pump) / Other Peristaltic
Sample depth (inches): 0.25"
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: Cr, Metals, Hardness, SVOCs
Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD024-SE01
Sample Time: 08[redacted]50
Core penetration depth (inches): 6"
RPD depth (inches): 6"
Number of cores collected: [redacted]4
Number of cores rejected: #check 0 Rationale: N/A
Analyses Collected: Cr, SVOCs, TOC
Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering entrained debris, biota):
~~Silty Sand~~ f/c sand with silt & trace organics
PID = 0.1 ppm

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD025

Date: 6/10/17
Time: 0853
Staff: MM

Loc ID: ~~SWSD-025~~ CH-SWSD025
Northing:
Easting:

Site Conditions
Water depth (ft): 1"
Flowing: (Yes) / No
Channel width (ft): 14'
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101092

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	0.5"
Temperature (deg. C)	16.73
Sp. Conductance (~~uS/cm~~ mS/cm)	0.194
Dissolved Oxygen (mg/L)	5.74
Dissolved Oxygen (% sat)	59.3
pH (S.U.)	5152
Turbidity	0.6
ORP	175.1

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD025-SW01
Sample Time: ~~1005~~ RB 0905
Type of Sample: Grab / (Pump) / Other QC1
Sample depth (inches): 0.5'
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: Cr, Metals, Hardness, SVOCs
Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD025-SED1
Sample Time: 0915
Core penetration depth (inches): 6"
RPD depth (inches): 6"
Number of cores collected: 3
Number of cores rejected: 0 Rationale: N/A
Analyses Collected: Cr, TOCs, SVOCs,
Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
PID = 0.1 ppm ; fine ~~sand~~ sand with silt mix trace course sand ; some organics

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD026

Date	6/10/17
Time	0910
Staff	MM

Loc ID: SWSD-026
Northing:
Easting:

Site Conditions

Water depth (ft): 0.5"
Flowing: Yes / (No)
Channel width (ft): 18"
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101092

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	0.25"
Temperature (deg. C)	17.05
Sp. Conductance (~~uS/cm~~) mS/cm	0.193
Dissolved Oxygen (mg/L)	5.50
Dissolved Oxygen (% sat)	57.0
pH (S.U.)	5.17
Turbidity	0.9
ORP	201.8

Surface water sample collection: circle if collected: FD MS/MSD

Sample ID: CH-SWSD026-SW01
Sample Time: 0915
Type of Sample: Grab / (Pump) / Other: Peri
Sample depth (inches): 0.25"
No. of samples collected: 1
No. of samples rejected: NA Rationale: NA
Analyses Collected: SVOCs, Hardness, Metals, Cr

Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: FD MS/MSD

Sample ID: CH-SWSD026
Sample Time: 0915
Core penetration depth (inches): 6"
RPD depth (inches): 4-6" 70%, 70%, 100%
Number of cores collected: 3
Number of cores rejected: 0 Rationale: N/A
Analyses Collected: Cr, SVOCs, TOC, metals

Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):

PID= 0.2ppm more organic material on surface; leafy fine sand with silt mix trace course sand.

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD027

Date 6/7/17
Time 1400
Staff MM

Loc ID ~~SWSD-027~~ SED
Northing
Easting

Site Conditions
Water depth (ft): 11
Flowing: (Yes) / No
Channel width (ft): 31.5"
Revetted Channel: (Yes) No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	0.5"
Temperature (deg. C)	14.33
Sp. Conductance (uS/cm)	0.137
Dissolved Oxygen (mg/L)	4.57
Dissolved Oxygen (% sat)	45.0
pH (S.U.)	4.59
Turbidity	1.8
ORP	132.0

Surface water sample collection: circle if collected FD MS/MSD
Sample ID: CH-SWSD027-SW01
Sample Time: 1410
Type of Sample Grab / (Pump) / Other
Sample depth (inches): 0.5" per
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: Cr, SVOCs, Metals, Hardness

Sheen Yes / (No) Odor Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected FD MS/MSD
Sample ID: CH-SWSD027-SE01
Sample Time: 1455
Core penetration depth (inches): 12
RPD depth (inches): 12
Number of cores collected: 8
Number of cores rejected: 8 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg, Cr, Geochem

flap gauge auger

Sheen Yes / (No) Odor Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
1.3 ppm; remove 1 inch woody organic material; 0-12 wet dark brown silt with organics grading to few organics at 9 inches

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD028

Date 6/7/17
Time [redacted]1415
Staff A Wolder

Loc ID ~~SWSD-028~~ Jam
Northing
Easting

Site Conditions
Water depth (ft): 5"
Channel width (ft): 3'1"
Flowing: (Yes) / No
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	2.5"
Temperature (deg. C)	14.31
Sp. Conductance (uS/cm)	0.133
Dissolved Oxygen (mg/L)	4.16
Dissolved Oxygen (% sat)	40.8
pH (S.U.)	4.78
Turbidity	0.9
ORP	224.8

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD028-SW01
Sample Time: [redacted]1425
Type of Sample Grab / (Pump) / Other peristaltic
Sample depth (inches): 2.5"
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: Cr, SVOCs, Hardness, metals
Sheen Yes / (No) Odor Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD028-SE01
Sample Time: 1500
Core penetration depth (inches): 12
RPD depth (inches): 12
Number of cores collected: 8
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg, Cr, Geochem
Sheen Yes / (No) Odor Yes / (No)
flap gauge auger
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
1.0 gpm; remove 1 inch leafy material; 0-12 inch wet dark brown silt with organics down to 9 inches

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD029

Date 6/7/17
Time 1435
Staff AWalker

Loc ID ~~SWSD 029~~ CH-SWSD029
Northing
Easting

Site Conditions
Water depth (ft): 5.0'
Channel width (ft): 30.5'
Flowing: (Yes) / No
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YOI6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	2.5'
Temperature (deg. C)	15.14
Sp. Conductance (uS/cm)	0.132
Dissolved Oxygen (mg/L)	3.5
Dissolved Oxygen (% sat)	34.9
pH (S.U.)	4.88
Turbidity	~~2~~ 0.5
ORP	813.3

Surface water sample collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD029-SW01
Sample Time: 1445
Type of Sample Grab (Pump) / Other Peristaltic
Sample depth (inches): 2.5"
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: Cr, SVOCs, Metals, Nanolmers

Sheen Yes / (No) Odor Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD029-SE01
Sample Time: 1515
Core penetration depth (inches): 12
RPD depth (inches): 12
Number of cores collected: 6
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg, Cr, Geochem

flap gauge auger

Sheen Yes / No Odor Yes / No
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.3 ppm; remove 2 in leafy, woody material; 0-12 in wet dark brown silt with organics down to 9 inches

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD030

Date: 6/7/17
Time: 1446
Staff: MM

Loc ID: ~~SWSD-30~~ dup

Northing:
Easting:

Site Conditions
Water depth (ft): 2"
Flowing: Yes / No
Channel width (ft): 31.25"
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1"
Temperature (deg. C)	16.38
Sp. Conductance (uS/cm)	0.133
Dissolved Oxygen (mg/L)	3.03
Dissolved Oxygen (% sat)	30.9
pH (S.U.)	5.15
Turbidity	0.3
ORP	198.6

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD030-SW01
Sample Time: 1500
Type of Sample: Grab / (Pump) / Other Perr.
Sample depth (inches): 1"
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: Cr, SVOCs, Metals, Hardness

Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD030-SE01
Sample Time: 1530
Core penetration depth (inches): ~~12~~ 12
RPD depth (inches): 6/7/17 12
Number of cores collected: 10
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg, Cr, Geochem

CH-SWSD030-SE01D

flap gauge auger

Sheen: Yes / (No) Odor: (Yes) / No
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
2.6 ppm; remove 1 in leafy material. 0-12 in wet dark brown silt with organics grading to fewer organics at 9 inches

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD031

Date 6-6-17
Time 1440
Staff Robert Burns

Loc ID ~~SWSD-031~~ SWSD

Northing
Easting

Site Conditions
Water depth (ft): 1.5"
Channel width (ft): 18"
Flowing: Yes / (No)
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	0.75"
Temperature (deg. C)	16.72
Sp. Conductance (~~uS/cm~~) mS/cm	0.155
Dissolved Oxygen (mg/L)	5.55
Dissolved Oxygen (% sat)	50.7
pH (S.U.)	6.13
Turbidity	103.1
ORP	69.0

Surface water sample collection: circle if collected FD MS/MSD
Sample ID: CH-SWSD031-SW01
Sample Time: 1445
Type of Sample Grab / (Pump) / Other peri
Sample depth (inches): 0.75"
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: SVOCs, Metals, Hardness

Sheen Yes / (No) Odor Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected FD MS/MSD
Sample ID: CH-SWSD031-SE01
Sample Time: 1450
Core penetration depth (inches): 10
RPD depth (inches): 10
Number of cores collected: 3
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg

flap gauge auger

Sheen Yes / (No) Odor (Yes) / No
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
21.0 ppm; 0-5 in wet dark brown sand (fine) with silt; 5-16 in wet light gray fine sand with clay

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD032

Date 6.6.17
Time 1345
Staff Robert Burns

Loc ID ~~SWSD-032~~ SWSD032
Northing
Easting

Site Conditions
Water depth (ft): 1.11
Channel width (ft): 21.4
Flowing: (Yes) No
Revetted Channel: (Yes) No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	0.5
Temperature (deg. C)	11.72
Sp. Conductance (~~uS/cm~~) mS/cm	0.153
Dissolved Oxygen (mg/L)	6.15
Dissolved Oxygen (% sat)	56.7
pH (S.U.)	6.28
Turbidity	13.8
ORP	137.1

Surface water sample collection: circle if collected FD MS/MSD
Sample ID: CH-SWSD032-SW01
Sample Time: 1350
Type of Sample Grab / (Pump) / Other
Sample depth (inches): 19
No. of samples collected: 1
No. of samples rejected: NA Rationale: NA
Analyses Collected: Metals, Hardness, SVOCs

Sheen Yes / (No) Odor Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected FD MS/MSD
Sample ID: CH-SWSD032-SE01
Sample Time: 1418
Core penetration depth (inches): 9
RPD depth (inches): 9
Number of cores collected: 5
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg

flap gauge auger

Sheen Yes (No) Odor (Yes) / No
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
20.3 ppm. 0-7 in wet dark brown silt; 7-9 in wet dark brown silt w/ fine sand

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD033

Date	6-6-17
Time	1325
Staff	Robert Burns
Loc ID	SWSD-033
Northing	
Easting	

Site Conditions
Water depth (ft): 1.6 Flowing: (Yes) / No
Channel width (ft): 48" Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	0.5"
Temperature (deg. C)	11.99
Sp. Conductance ~~(uS/cm)~~ mS/cm	0.152
Dissolved Oxygen (mg/L)	6.40
Dissolved Oxygen (% sat)	59.4
pH (S.U.)	6.37
Turbidity	125.4
ORP	128.0

Surface water sample collection: circle if collected FD MS/MSD
Sample ID: CH-SWSD033-SW01
Sample Time: 1330
Type of Sample Grab / ~~Pump~~ Other
Sample depth (inches): 0.5"
No. of samples collected: 1
No. of samples rejected: N/A Rationale: NA
Analyses Collected: Metals, Hardness, SVOCs

Sheen Yes / (No) Odor Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected FD MS/MSD
Sample ID: CH-SWSD033-SE01
Sample Time: 1350
Core penetration depth (inches): 9
RPD depth (inches): 9
Number of cores collected: 6
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg

flap gauge auger

Sheen Yes / (No) Odor (Yes) / No
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
17.7ppm - 0-6 in wet dark brown silt w/ trace fine sand; 6-9 in wet dark brown sandy silt

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD034

Date: 6-6-17
Time: 1235
Staff: Robert Burns

Loc ID: SWSD-034
Northing:
Easting:

Site Conditions
Water depth (ft): 1"
Flowing: Yes / No
Channel width (ft): 48"
Revetted Channel: Yes / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	0.5'
Temperature (deg. C)	11.95
Sp. Conductance (uS/cm)	0.154
Dissolved Oxygen (mg/L)	6.24
Dissolved Oxygen (% sat)	57.9
pH (S.U.)	6.45
Turbidity	7.3
ORP	142.4

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD034-SW01
Sample Time: 1246
Type of Sample: Grab / Pump / Other
Sample depth (inches): 0.5"
No. of samples collected: 1
No. of samples rejected: NA Rationale: NA
Analyses Collected: Metals, Hardness, SVOCs
Sheen: Yes / No Odor: Yes / No
Notes (not covered in Habitat Form):

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD034-SE01
Sample Time: 1230
Core penetration depth (inches): 11
RPD depth (inches): 11
Number of cores collected: 5
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg
Sheen: Yes / No Odor: Yes / No
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
17.4 ppm; 0-8 in wet dark brown silt with trace sand; 8-11 in wet brown silty sand

flap gauge auger

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date: 6/6/17
Time: 1135
Staff: AW

Loc ID: CH-SWSD036
Northing:
Easting:

Site Conditions
Water depth (ft): 1"
Flowing: (Yes) No
Channel width (ft): 32"
Revetted Channel: (Yes) No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters	Middle of Water Column
Measurement Depth (ft)	0.5"
Temperature (deg. C)	12.26
Sp. Conductance (~~uS/cm~~) mS/cm	0.152
Dissolved Oxygen (mg/L)	5.76
Dissolved Oxygen (% sat)	53.5
pH (S.U.)	6.42
Turbidity	13.5
ORP	145.5

Surface water sample collection:
Sample ID: CH-SWSD035-SW01
Sample Time: 1140
Type of Sample: Grab / (Pump) / Other
Sample depth (inches): 0.5"
No. of samples collected: 1
No of samples rejected: NA Rationale: NA
Analyses Collected: SVOCs, Hardness, Metals

circle if collected: (FD) MS/MSD

Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection:
Sample ID: CH-SWSD035-SE01
Sample Time: 1150
Core penetration depth (inches): 12
RPD depth (inches): 12
Number of cores collected: 13
Number of cores rejected: Rationale: no recovery
Analyses Collected: SVOCs, TOC, Metals, Hg

circle if collected: (FD) MS/MSD
CH-SWSD035-SE01D

flop gauge auger

Sheen: Yes / (No) Odor: (Yes) / No
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
11.2 ppm. 0-1 wet leafy & organic matter; 1-9 wet dark brown ~~silty fine~~ 6/6/17 silt with fine sand; 9-12 in wet ~~light brown fine to medium~~ sand
1 core retrieved treated wood at 11-12 inches with oily sheen

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-

Date	6-6-17
Time	1120
Staff	Robert Burns

Loc ID	SWSD036
Northing	
Easting	

Site Conditions

Water depth (ft): 3.5" Flowing: (Yes) / No
Channel width (ft): 11" Revetted Channel: (Yes) No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1.75"
Temperature (deg. C)	12.32
Sp. Conductance (~~uS/cm~~) ms/cm	0.160
Dissolved Oxygen (mg/L)	3.89
Dissolved Oxygen (% sat)	36.4
pH (S.U.)	6.29
Turbidity	1.6
ORP	77.7

Surface water sample collection: circle if collected FD MS/MSD

Sample ID: CH-SWSD036-SW01
Sample Time: 1125
Type of Sample Grab / (Pump) / Other
Sample depth (inches): 1.75"
No. of samples collected: 1
No. of samples rejected: NA Rationale: NA
Analyses Collected: Metals, SVOCs, Hardness

Sheen Yes / (No) Odor Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected FD MS/MSD

Sample ID: CH-SWSD036-SE01
Sample Time: 1125
Core penetration depth (inches): 7
RPD depth (inches): 7
Number of cores collected: 6
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg

Sheen Yes / (No) Odor (Yes) / No
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):

42.1 ppm; 0-1 in leafy & organic matter; 1-5 wet dark brown organic silt w/ sand; 5-7 light brown fine to medium sand

flap gauge auger

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD037

Date: 6-6-16
Time: 1100
Staff: Robert Burns

Loc ID: ~~CHSD-037~~
Northing:
Easting:

Site Conditions
Water depth (ft): 2"
Channel width (ft): 28"
Flowing: (Yes) / No
Revetted Channel: (Yes) No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1"
Temperature (deg. C)	12.56
Sp. Conductance (~~µS/cm~~) mS/c	0.159
Dissolved Oxygen (mg/L)	3.90
Dissolved Oxygen (% sat)	36.7
pH (S.U.)	6.03
Turbidity	7.0
ORP	104.5

Surface water sample collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD037-SW01
Sample Time: 1100
Type of Sample: Grab / (Pump) / Other
Sample depth (inches): 1"
No. of samples collected: 1
No. of samples rejected: NA Rationale: NA
Analyses Collected: SVOCs, Metals Hardness
Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSA037-SE01
Sample Time: 1110
Core penetration depth (inches): 10
RPD depth (inches): 10
Number of cores collected: 3
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg
Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
11.1 ppm; 0-3 in wet dark brown silty sand; 3-10 in wet light gray clayey sand (fine sand)

Flap gauge auger

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD038

Date: 6-6-17
Time: 1030
Staff: Robert Burns

Loc ID: ~~SWSD-038~~ CH-SWSD038
Northing:
Easting:

Site Conditions
Water depth (ft): 2.5"
Channel width (ft): 37"
Flowing: (Yes) / No
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1.25"
Temperature (deg. C)	12.57
Sp. Conductance (uS/cm)	0.154
Dissolved Oxygen (mg/L)	3.82
Dissolved Oxygen (% sat)	35.9
pH (S.U.)	6.04
Turbidity	1.5
ORP	109.6

Surface water sample collection: (circle if collected: FD, MS/MSD)
Sample ID: CH-SWSD038-SW01
Sample Time: 1035
Type of Sample: Grab / (Pump) / Other
Sample depth (inches): 1.25"
No. of samples collected: 1
No. of samples rejected: NA Rationale: NA
Analyses Collected: SVOCs, Metals, Hardness
Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: (circle if collected: FD, MS/MSD)
Sample ID: CH-SWSD038-SE01
Sample Time: 1045
Core penetration depth (inches): 8
RPD depth (inches): 8
Number of cores collected: 5
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg
Sheen: (Yes) / No Odor: (Yes) / No see note below
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
19.7ppm; 0-3 in wet dark fine sand w/ trace silt; 3-8 in wet dark brown silty sand
First core recovered approx 1 inch of wood (treated) from 7-8 ~~inches~~ inches with oily sheen → impacted area not sampled since below 6 inches

flap gauge auger

see 6/6/17

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD039

Date: 6/6/17
Time: 1000
Staff: MM

Loc ID: ~~SWSD-039-dup~~
Northing:
Easting:

Site Conditions
Water depth (ft): 3"
Channel width (ft): 16"
Flowing: (Yes) / No
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1.5"
Temperature (deg. C)	12.55
Sp. Conductance (mS/cm)	0.157
Dissolved Oxygen (mg/L)	3.65
Dissolved Oxygen (% sat)	34.2
pH (S.U.)	6.05
Turbidity	2.0
ORP	116.8

Surface water sample collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD039-SW01
Sample Time: 1015
Type of Sample: Grab / Pump / Other peristaltic
Sample depth (inches): 1.5
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: SVOC, Metals, Hardness
Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD039-SE01
Sample Time: 1020
Core penetration depth (inches): 8
RPD depth (inches): 7
Number of cores collected: 5
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg
Sheen: Yes / (No) Odor: (Yes) / No
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
97.5 ppm; 0-1 in wet leafy & organic matter; 1-7 in wet dark brown silt w/ trace sand & high organic content

flap gauge auger

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD040

Date: 6/6/17
Time: 0950
Staff: AW

Loc ID	SWSD040 ~~dup~~
Northing	
Easting	

Site Conditions
Water depth (ft): 2'
Channel width (ft): 18"
Flowing: (Yes) / No
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 16E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1"
Temperature (deg. C)	12.66
Sp. Conductance ~~uS/cm~~ mS/cm	0.155
Dissolved Oxygen (mg/L)	2.92
Dissolved Oxygen (% sat)	27.5
pH (S.U.)	5.97
Turbidity	1.4
ORP	104.3

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD040-SW01
Sample Time: 1001
Type of Sample: Grab / (Pump) / Other
Sample depth (inches): 1"
No. of samples collected: 1
No. of samples rejected: NA Rationale: NA
Analyses Collected: SVOCs, Metals, hardness, Cr
Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):
Lateral flow entering stream from NE approx 15 upstream of sample location. Flow is minimal, but originates from small pond approximately 150-200 ft to NE.

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD040-SE01
Sample Time: 1005
Core penetration depth (inches): 8
RPD depth (inches): 4
Number of cores collected: 10
Number of cores rejected: Rationale: poor recovery
Analyses Collected: SVOCs, TOC, Metals, Hg, Cr
Sheen: Yes / No Odor: Yes / No
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
101.1 ppm 0-1 wet leafy & organic matter. 1-6 wet dark brown silt with trace sand and high organic content 6-7 in wet light brown fine to medium sand

flap gauge auger

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-

Date	6/6/17
Time	0930
Staff	AW

Loc ID	SWSD041
Northing	
Easting	

Site Conditions

Water depth (ft): 2 Flowing: (Yes) / No
Channel width (ft): 13.5" Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1"
Temperature (deg. C)	12.74
Sp. Conductance (mS/cm)	0.155
Dissolved Oxygen (mg/L)	2.58
Dissolved Oxygen (% sat)	24.3
pH (S.U.)	5.94
Turbidity	1.0
ORP	89.9

Surface water sample collection: circle if collected FD MS/MSD

Sample ID: CH-SWSD041-SW01
Sample Time: 0940
Type of Sample Grab / (Pump) / Other Peristaltic
Sample depth (inches): 1"
No. of samples collected: 1
No. of samples rejected: NA Rationale: NA
Analyses Collected: SVOCs, metals, hardness

Sheen Yes / (No) Odor Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected FD MS/MSD

Sample ID: CH-SWSD041-SE01
Sample Time: 0950
Core penetration depth (inches): 7
RPD depth (inches): 6
Number of cores collected: 7
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg

flap gauge auger

Sheen Yes / (No) Odor (Yes) / No
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):

66.6 ppm 0-2 wet leafy organic matter; 2-5 in wet dark brown silt w/trace sand & high organic content; 5-6 in wet light brown fine to medium sand

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD042

Date 6/6/17
Time 0919
Staff AW

Loc ID ~~SWSD-42~~ CH-SWSD042
Northing
Easting

Site Conditions
Water depth (ft): ~~NF~~ 1.5" Flowing: (Yes) / No
Channel width (ft): 17" Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	0.75"
Temperature (deg. C)	12.8
Sp. Conductance (mS/cm)	0.155
Dissolved Oxygen (mg/L)	2.57
Dissolved Oxygen (% sat)	24.3
pH (S.U.)	5.93
Turbidity	2.2
ORP	88.1

Surface water sample collection: circle if collected FD MS/MSD
Sample ID: CH-SWSD042-SW01
Sample Time: 0920
Type of Sample Grab / (Pump) / Other peristaltic
Sample depth (inches): 0.75
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: SVOCs, Metals, Hardness

Sheen Yes / (No) Odor Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected FD MS/MSD
Sample ID: CH-SWSD042-SE01
Sample Time: 0930
Core penetration depth (inches): 6
RPD depth (inches): 6
Number of cores collected: 7
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg

flap gauge auger

Sheen Yes / (No) Odor (Yes) / No
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
32.1 ppm, 0-1 in wet leafy & organic matter, 1-3 in wet dark brown silty sand, 3-6 in wet light brown fine to medium sand

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD043

Date 6/6/17
Time 0900
Staff AW

Loc ID	SWSD043
Northing	
Easting	

Site Conditions
Water depth (ft): 5" Flowing: (Yes) / No
Channel width (ft): 24 ft Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	2.5"
Temperature (deg. C)	12.83
Sp. Conductance (~~uS/cm~~) mS/cm	0.155
Dissolved Oxygen (mg/L)	2.58
Dissolved Oxygen (% sat)	24.3
pH (S.U.)	5.93
Turbidity	1.6
ORP	104.2

Surface water sample collection: circle if collected FD MS/MSD
Sample ID: CH-SWSD043-SW01
Sample Time: 0910
Type of Sample Grab / (Pump) / Other
Sample depth (inches): 2.5
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: SVOCs, Metals, Hardness

Sheen Yes / (No) Odor Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected FD MS/MSD
Sample ID: CH-SWSD043-SE01
Sample Time: 0915
Core penetration depth (inches): 8
RPD depth (inches): 8
Number of cores collected: 5
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg

flap gauge auger

Sheen Yes / (No) Odor (Yes) / No
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
15.9 ppm, 0-3 wet brown fine to medium sand, 3-8 in wet dark brown silt with fine sand

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD044

Date: 6/6/17
Time: 0845
Staff: AW

Loc ID: SWSD-44 (CH-SWSD044)
Northing:
Easting:

Site Conditions
Water depth (ft): 5"
Channel width (ft): 24"
Flowing: (Yes) / No
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	2.5"
Temperature (deg. C)	12.92
Sp. Conductance (uS/cm)	0.156
Dissolved Oxygen (mg/L)	3.19
Dissolved Oxygen (% sat)	30.2
pH (S.U.)	5.99
Turbidity	1.7
ORP	77.2

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD044-SW01
Sample Time: 0850
Type of Sample: Grab / (Pump) / Other
Sample depth (inches): 2.5"
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: SVOCs, Metals, Hardness

Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD044-SE01
Sample Time: 0855
Core penetration depth (inches): 9
RPD depth (inches): 9
Number of cores collected: 5
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, Metals, TOC, Hg

flap gauge auger

Sheen: Yes / (No) Odor: (Yes) / No
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
20.7 ppm, 0-1 in wet leafy & organic matter, 1-7 wet dark brown silty fine sand, 7-9 in wet brown fine to medium sand

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD045

Date: 6/6/17
Time: 0829
Staff: AW

Loc ID: ~~SWSD045~~ CH-SWSD045
Northing:
Easting:

Site Conditions
Water depth (ft): 4"
Flowing: (Yes) / No
Channel width (ft): 17"
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101097

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	2"
Temperature (deg. C)	12.85
Sp. Conductance (~~uS/cm~~) mS/cm	0.135
Dissolved Oxygen (mg/L)	3.44
Dissolved Oxygen (% sat)	~~32~~ 32.8
pH (S.U.)	5.96
Turbidity	2.7
ORP	99.1

Surface water sample collection: circle if collected: (FD) MS/MSD
Sample ID: CH-SWSD045-SW01
Sample Time: 0830
Type of Sample: Grab / (Pump) / Other
Sample depth (inches): 2
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: SVOCs, Metals, Hardness

Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: (FD) MS/MSD
Sample ID: CH-SWSD045-SE01
Sample Time: 0835
CH-SWSD045-SE01D
Core penetration depth (inches): 8
RPD depth (inches): 8
Number of cores collected: 8
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, Metals, Hgs, Toc

flap gauge auger

Sheen: Yes / (No) Odor: (Yes) / No
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
25.0 ppm, 0-1 in wet leafy & organic matter, 1-3 in wet brown fine to medium sand, 3-6 wet dark brown silt.

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD046

Date 6/3/17
Time 1145
Staff MM

Loc ID	~~SWSD-046~~ CH-SWSD046
Northing	
Easting	

Site Conditions
Water depth (ft): 3 inch
Channel width (ft): 8 ft
Flowing: (Yes) / No Significant flow
Revetted Channel: Yes / (No)
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101688

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1.5'
Temperature (deg. C)	14.91
Sp. Conductance (uS/cm)	0.153
Dissolved Oxygen (mg/L)	8.06
Dissolved Oxygen (% sat)	79.8
pH (S.U.)	6.38
Turbidity	14
ORP	119.9

Surface water sample collection: circle if collected FD MS/MSD
Sample ID: CH-SWSD046-SW01
Sample Time: 1150
Type of Sample Grab / (Pump) / Other
Sample depth (inches): 1.5'
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: SVOCs / Metals / Hardness
Sheen Yes / (No) Odor Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected FD MS/MSD
flap gauge auger
Sample ID: CH-SWSD046-SE01
Sample Time: 1210
Core penetration depth (inches): 8
RPD depth (inches): 8
Number of cores collected: 4
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs / Metals / TOC
Sheen Yes / (No) Odor (Yes) / No biological ?
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
3.7 ppm
wet dark brown organic silt w/trace fine sand

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD047

Date 6/3/17
Time 1130
Staff MM

Loc ID ~~SWSD-047-SED~~
Northing
Easting

Site Conditions
Water depth (ft): 2"
Flowing: (Yes) / No
Channel width (ft): 42"
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101088

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1ft
Temperature (deg. C)	5.71
Sp. Conductance (uS/cm)	0.137
Dissolved Oxygen (mg/L)	7.7
Dissolved Oxygen (% sat)	77.6
pH (S.U.)	6.30
Turbidity	8.7
ORP	124.7

Surface water sample collection: circle if collected FD MS/MSD
Sample ID: CH-SWSD047-SW01
Sample Time: 1135
Type of Sample Grab / (Pump) / Other
Sample depth (inches): 1"
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: SVOCs / metals / Hardness

Sheen Yes / (No) Odor Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected FD MS/MSD
Sample ID: CH-SWSD047-SE01
Sample Time: 1150
Core penetration depth (inches): 12
RPD depth (inches): 12
Number of cores collected: 6
Number of cores rejected: 1 Rationale: poor recovery
Analyses Collected: SVOCs / metals / TOC

flap gauge auger

Sheen Yes / (No) Odor (Yes) / No biological
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):

2.8 ppm
0-8 inches wet dark brown organic silt w/trace fine sand
8-10 inches wet bluish gray clayey silt

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD048

Date: 6/3/17
Time: 1108
Staff: MM

Loc ID: SWSD-048
Northing:
Easting:

Site Conditions
Water depth (ft): 4"
Flowing: (Yes) / No
Channel width (ft): 31"
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101088

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	2"
Temperature (deg. C)	15.13
Sp. Conductance (uS/cm)	0.150
Dissolved Oxygen (mg/L)	8.16
Dissolved Oxygen (% sat)	81.2
pH (S.U.)	6.31
Turbidity	4.6
ORP	94.6

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD048-SW01
Sample Time: 1120
Type of Sample: Grab / (Pump) / Other
Sample depth (inches): 2"
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: SVOCs / metals / hardness

Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):
light amnt. of floc on surface

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD048-SE01
Sample Time: 1135
Core penetration depth (inches): 10
RPD depth (inches): 10
Number of cores collected: 6
Number of cores rejected: 2 Rationale: poor recovery
Analyses Collected: SVOCs / metals / TOC

flop gauge auger

Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
1.7 ppm
0-6 inches wet dark brown organic silt w/trace fine sand
6-10 inches wet light brown medium sand

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD049

Date 6/3/17
Time 1047
Staff MM

Loc ID ~~SWSD 049~~ SD
Northing
Easting

Site Conditions
Water depth (ft): 3"
Flowing: (Yes) / No minimal
Channel width (ft): 48"
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101088

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1.5"
Temperature (deg. C)	14.97
Sp. Conductance (uS/cm)	0.145
Dissolved Oxygen (mg/L)	7.60
Dissolved Oxygen (% sat)	75.4
pH (S.U.)	6.23
Turbidity	5.0
ORP	102.9

Surface water sample collection: circle if collected FD MS/MSD
Sample ID: CH-SWSD049-SW01
Sample Time: 1100
Type of Sample Grab / (Pump) / Other
Sample depth (inches): 1.5"
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: SVOCs / Metals / Hardness

Sheen Yes / (No) Odor Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected FD MS/MSD
Sample ID: CH-SWSD049-SE01
Sample Time: 1120
Core penetration depth (inches): 10
RPD depth (inches): 10
Number of cores collected: 6
Number of cores rejected: 2 Rationale: poor recovery
Analyses Collected: SVOCs / Metals / TOC

flap gauge auger

Sheen Yes / (No) Odor Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):

1.2 ppm
wet dark brown organic silt w/ fine trace sand

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD050

Date	6/3/17
Time	1020
Staff	MM

Loc ID	~~SWSD-050~~ SW
Northing	
Easting	

Site Conditions
Water depth (ft): 4.5"
Flowing: (Yes) / No
Channel width (ft): 24.5"
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101088

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	2.25"
Temperature (deg. C)	15.22
Sp. Conductance (~~uS/cm~~) mS/cm	0.147
Dissolved Oxygen (mg/L)	7.00
Dissolved Oxygen (% sat)	69.8
pH (S.U.)	6.23
Turbidity	4.9
ORP	102.4

Surface water sample collection:
circle if collected: FD MS/MSD

Sample ID: CH-SWSD050-SW01
Sample Time: 1030
Type of Sample: Grab / (Pump) / Other
Sample depth (inches): 2.25"
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: SVOCs | Metals | hardness | Cr6+

Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):
Floc on surface

Sediment collection:
circle if collected: (FD) MS/MSD CH-SWSD050-SE01D

flap gauge auger

Sample ID: CH-SWSD050-SE01
Sample Time: 1100
Core penetration depth (inches): 10
RPD depth (inches): 10
Number of cores collected: 16
Number of cores rejected: 2 Rationale: poor recovery
Analyses Collected: SVOCs | Metals | TOC | Cr6+ | Geochem

Sheen: Yes / (No) Odor: (Yes) / No biological ?
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
5.5 ppm
wet dark brown organic silt

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD051

Date: 6/3/17
Time: 1008
Staff: MM

Loc ID: ~~SWSD-051~~
Northing:
Easting:

Site Conditions
Water depth (ft): 4 inches Flowing: (Yes) / No
Channel width (ft): 19.5 inches Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101088

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	2 inches
Temperature (deg. C)	15.15
Sp. Conductance (uS/cm)	0.146
Dissolved Oxygen (mg/L)	7.22
Dissolved Oxygen (% sat)	71.4
pH (S.U.)	10.25
Turbidity	4.9
ORP	55.3

Surface water sample collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD051-TW01
Sample Time: 1015
Type of Sample: Grab / (Pump) / Other
Sample depth (inches): 2 inches
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: metals | sulfides | hardness

Sheen ~~Yes~~ / (No) Odor Yes / (No)
Notes (not covered in Habitat Form):
Orange FLOC on surface

Sediment collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD051-SE01
Sample Time: 1020
Core penetration depth (inches): 8
RPD depth (inches): 8
Number of cores collected: 4
Number of cores rejected: 0 Rationale: NA
Analyses Collected: metals | sulfides | TOC

flap gauge auger

Sheen Yes / (No) Odor (Yes) / No biological
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
3.1 ppm
wet dark brown organic silt with fine sand

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD052

Date: 6/3/17
Time: 0950
Staff: MM

Loc ID: ~~SWSD-052~~ SWSD
Northing:
Easting:

Site Conditions
Water depth (ft): 5.5"
Flowing: Yes / No
Channel width (ft): 23"
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101068

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	2.75"
Temperature (deg. C)	14.63
Sp. Conductance (~~uS/cm~~) mS/cm	0.146
Dissolved Oxygen (mg/L)	6.95
Dissolved Oxygen (% sat)	68.3
pH (S.U.)	6.20
Turbidity	4.4
ORP	96.5

Surface water sample collection: circle if collected FD MS/MSD
Sample ID: CH-SWSD052-SW01
Sample Time: 1000
Type of Sample: Grab / (Pump) / Other
Sample depth (inches): 2.75"
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: SVOCs | metals | hardness
Sheen ~~Yes~~ (Yes) / No Odor Yes / (No)
Notes (not covered in Habitat Form):
Orange floc on surface

Sediment collection: circle if collected FD MS/MSD
flap gauge auger
Sample ID: CH-SWSD052-SE01
Sample Time: 1005
Core penetration depth (inches): 8
RPD depth (inches): 6
Number of cores collected: 6
Number of cores rejected: 1 Rationale: poor recovery
Analyses Collected: SVOCs | metals | TOC
Sheen Yes / (No) Odor (Yes) / No biological
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
2.5 ppm
wet dark brown organic silt with sand

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD053

Date 6/3/17
Time 0935
Staff MM

Loc ID ~~SWSD-053~~
Northing
Easting

Site Conditions
Water depth (ft): 4"
Channel width (ft): 12"
Flowing: (Yes) / No
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101088

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	2"
Temperature (deg. C)	14.96
Sp. Conductance (uS/cm)	0.148
Dissolved Oxygen (mg/L)	6.39
Dissolved Oxygen (% sat)	63.4
pH (S.U.)	6.30
Turbidity	5.9
ORP	100.4

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD053-SW01
Sample Time: 0945
Type of Sample Grab / (Pump) / Other
Sample depth (inches): 2"
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: SVOCs | metals | hardness
Sheen B: 0 (Yes) / No Odor Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD053-SE01
Sample Time: 0950
Core penetration depth (inches): 8
RPD depth (inches): 8
Number of cores collected: 4
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOC | metals | TOC
flap gauge auger
Sheen Yes / (No) Odor Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.8 ppm
wet dark brown organic silt

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD054

Date	6/3/17
Time	920
Staff	MM
Loc ID	SWSD-054 → CH-SWSD054
Northing	
Easting	

Site Conditions

Water depth (ft): 17.5" Flowing: (Yes) / No
Channel width (ft): 3.5" Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101088

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1.75
Temperature (deg. C)	14.16
Sp. Conductance (uS/cm)	0.148
Dissolved Oxygen (mg/L)	10.99
Dissolved Oxygen (% sat)	68.7
pH (S.U.)	5.34
Turbidity	4.9
ORP	88.4

Surface water sample collection: circle if collected: FD MS/MSD

Sample ID: CH-SWSD054-SW01
Sample Time: 0925
Type of Sample: Grab / ~~Pump~~ / Other
Sample depth (inches): 1.75"
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: SVOCs | metals | hardness

Sheen Yes / (No) Odor Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: FD MS/MSD

flap gauge auger

Sample ID: CH-SWSD054-SE01
Sample Time: 0935
Core penetration depth (inches): 8
RPD depth (inches): 8
Number of cores collected: 3
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs | Metals | TOC

Sheen Yes / (No) Odor Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):

1.3 ppm
wet dark brown organic silt

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD055

Date: 6/3/17
Time: 0903
Staff: MM

Loc ID: ~~SWSD-055~~ am
Northing:
Easting:

Site Conditions
Water depth (ft): 4.5"
Flowing: (Yes) / No
Channel width (ft): 21"
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101088

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	2.25"
Temperature (deg. C)	14.40
Sp. Conductance (~~uS/cm~~) mS/cm	0.148
Dissolved Oxygen (mg/L)	6.89
Dissolved Oxygen (% sat)	67.3
pH (S.U.)	7.48
Turbidity	5.3
ORP	76.4

Surface water sample collection:
circle if collected: (FD) MS/MSD
Sample ID: CH-SWSD055-SW01
Sample Time: 0910
Type of Sample: Grab / (Pump) / Other
Sample depth (inches): 2.25"
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: SVOCs / metals / hardness

Sheen 0.0 (Yes) / No Odor Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection:
circle if collected: (FD) MS/MSD
Sample ID: CH-SWSD055-SE01
Sample Time: 0915
Core penetration depth (inches): 8"
RPD depth (inches): 6"
Number of cores collected: 6
Number of cores rejected: none Rationale: N/A
Analyses Collected: SVOCs / metals / TOC

flap gauge auger

CH-SWSD055-SE01D

Sheen Yes / (No) Odor Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):

0.9 ppm
wet brown organic soil

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date: 6/2/17
Time: 1645
Staff: MM, JS, BM, RB

Loc ID: CH-SWSD056
Northing:
Easting:

Site Conditions
Water depth (ft): 8.5"
Channel width (ft): 64"
Flowing: (Yes) / No
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 560/6920 Meter ID: 15E101088

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	4.25
Temperature (deg. C) NS	15.69
Sp. Conductance ~~(uS/cm)~~	0.141
Dissolved Oxygen (mg/L)	6.39
Dissolved Oxygen (% sat)	64.3
pH (S.U.)	5.71
Turbidity	3.6
ORP	1767

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD056-SW01
Sample Time: 1650
Type of Sample: Grab / (Pump) / Other peristaltic
Sample depth (inches): 4.25
No. of samples collected: 1
No. of samples rejected: 0 Rationale: NA
Analyses Collected: SVOCs, metals, hardness
Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):
~~flocculants~~ algae

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD056-SE01
Sample Time: 1710
Core penetration depth (inches): 6
RPD depth (inches): 6
Number of cores collected: 5
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, metals, TOC
Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.4 ppm
wet dark brown silty sand

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date: 6/2/17
Time: 1625
Staff: MM, RB, BM, JS

Loc ID: CH-SWSD057
Northing:
Easting:

Site Conditions
Water depth (ft): 8
Channel width (ft): 84
Flowing: (Yes) / No
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 560/6920 Meter ID: 15E 101058

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	4
Temperature (deg. C)	15.78
Sp. Conductance (uS/cm)	0.141
Dissolved Oxygen (mg/L)	7.41
Dissolved Oxygen (% sat)	74.6
pH (S.U.)	5.76
Turbidity	5.1
ORP	174.8

Surface water sample collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD057-SW01
Sample Time: 1635
Type of Sample: Grab / (Pump) / Other peristaltic
Sample depth (inches): 4
No. of samples collected: 1
No. of samples rejected: 0 Rationale: NA
Analyses Collected: SVOCs, metals, hardness
Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):
Floc on tanks

Sediment collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD057-SE01
Sample Time: 1655
Core penetration depth (inches): 8
RPD depth (inches): 8
Number of cores collected: 8
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, Metals, TOC
Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering entrained debris, biota):
0.7 ppm
wet dark brown sandy silt

ield Duplicate
SD – Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date: 6/2/17
Time: 1615
Staff: MM, RB, BM, JS

Loc ID: CH-SWSD058
Northing:
Easting:

Site Conditions
Water depth (ft): 8
Flowing: Yes / (No)
Channel width (ft): 60
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 560/600 Meter ID: 15E101088

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	4
Temperature (deg. C)	15.52
Sp. Conductance (uS/cm)	0.141
Dissolved Oxygen (mg/L)	6.68
Dissolved Oxygen (% sat)	66.8
pH (S.U.)	5.73
Turbidity	3.4
ORP	180.5

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD058-SW01
Sample Time: 1620
Type of Sample: Grab (Pump) / Other peristaltic
Sample depth (inches): 4
No. of samples collected: 1
No. of samples rejected: 0 Rationale: N/A
Analyses Collected: SVOCs, metals, hardness

Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD058-SE01
Sample Time: 1645
Core penetration depth (inches): 8
RPD depth (inches): 6
Number of cores collected: 8
Number of cores rejected: 1 Rationale: poor recovery
Analyses Collected: SVOCs, Metals, TOC

Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.6 ppm
wet dark brown silty sand

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date: 6/2/17
Time: 1550
Staff: MM, RB, BM, JS

Loc ID: CH-SWSD059
Northing:
Easting:

Site Conditions
Water depth (ft): 8.5 Flowing: Yes / No
Channel width (ft): 48 Revetted Channel: Yes / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 560/650 Meter ID: 15E101088

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	4.25
Temperature (deg. C)	16.01
Sp. Conductance (µS/cm)	0.138
Dissolved Oxygen (mg/L)	7.29
Dissolved Oxygen (% sat)	73.9
pH (S.U.)	5.74
Turbidity	4.5
ORP	184.1

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD059-SW01
Sample Time: 1600
Type of Sample: Grab / Pump / Other peristaltic
Sample depth (inches): 4.25
No. of samples collected: 1
No. of samples rejected: 0 Rationale: NA
Analyses Collected: SVOCs, metals, hardness

Sheen: Yes / No Odor: Yes / No
Notes (not covered in Habitat Form):

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD059-SE01
Sample Time: 1630
Core penetration depth (inches): 8
RPD depth (inches): 6
Number of cores collected: 10
Number of cores rejected: 2 Rationale: poor recovery
Analyses Collected: SVOCs, Metals, TOC

Sheen: Yes / No Odor: Yes / No
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.2 ppm
wet dark brown organic silt

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date: 6/2/17
Time: 1535
Staff: MM, RD, BM, JS

Loc ID: CH-SWSD060
Northing:
Easting:

Site Conditions
Water depth (ft): 6.5 Flowing: (Yes) / No
Channel width (ft): 48 Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 560/6920 Meter ID: 15E101088

Water Quality Parameters	Middle of Water Column
Measurement Depth (ft)	3.25
Temperature (deg. C) ms	16.04
Sp. Conductance (~~uS~~/cm)	0.141
Dissolved Oxygen (mg/L)	6.38
Dissolved Oxygen (% sat)	64.7
pH (S.U.)	~~9.7~~ 5.70
Turbidity	9.7
ORP	194.2

Surface water sample collection: circle if collected: (FD) MS/MSD
Sample ID: CH-SWSD060-SW01
Sample Time: 1545
Type of Sample: Grab / (Pump) / Other peristaltic
Sample depth (inches): 3.25
No. of samples collected: 1
No. of samples rejected: 0 Rationale: NA
Analyses Collected: SVOCs, metals, hardness

Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: FD (MS/MSD)
Sample ID: CH-SWSD060-SE01
Sample Time: 1615
Core penetration depth (inches): 9
RPD depth (inches): 4
Number of cores collected: 3
Number of cores rejected: 3 Rationale: poor recovery
Analyses Collected: SVOCs, metals, TOC, Cr 6+

SE01MS
SE01-MSD

Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.6 ppm wet, dark brown, organic silt

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date: 6/2/17
Time: 1528
Staff: MM, DB, BM, JS

Loc ID: CH-SWSD061
Northing:
Easting:

Site Conditions
Water depth (ft): 3.5 Flowing: (Yes) / No
Channel width (ft): 24 Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):
a spring is present

Field Data Meter Type: YSI 560/6920 Meter ID: 15E10088

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1.75
Temperature (deg. C)	16.83
Sp. Conductance (uS/cm)	0.139
Dissolved Oxygen (mg/L)	7.13
Dissolved Oxygen (% sat)	73.6
pH (S.U.)	5.71
Turbidity	9.9
ORP	199.5

Surface water sample collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD061-SW01
Sample Time: 1525
Type of Sample: Grab / (Pump) / Other peristaltic
Sample depth (inches): 1.75
No. of samples collected: 1
No. of samples rejected: 0 Rationale: NA
Analyses Collected: SVOCs, metal, hardness & Cr6+

Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD061-SE01
Sample Time: 1545
Core penetration depth (inches): 8
RPD depth (inches): 4
Number of cores collected: 6
Number of cores rejected: 1 Rationale: poor recovery
Analyses Collected: SVOCs, metals, TOC

Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):

ield Duplicate
SD – Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date: 6/2/17
Time: 1500
Staff: MM, RB, BM, JS

Loc ID: CH-SWSD062
Northing:
Easting:

Site Conditions
Water depth (ft): 5 Flowing: (Yes) / No
Channel width (ft): 19.5 Revetted Channel: Yes / (No)
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 560/6920 Meter ID: 15E101088

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	2.5
Temperature (deg. C) MS	16.52
Sp. Conductance ~~(uS/cm)~~	0.140
Dissolved Oxygen (mg/L)	6.57
Dissolved Oxygen (% sat)	67.3
pH (S.U.)	5.69
Turbidity	2.7

Surface water sample collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD062-SW01
Sample Time: 1515
Type of Sample: Grab / Pump / Other peristaltic
Sample depth (inches): 2.5
No. of samples collected: 1
No. of samples rejected: 0 Rationale: NA
Analyses Collected: SVOCs, metals, hardness

Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD062-SE01
Sample Time: 1530
Core penetration depth (inches): 6
RPD depth (inches): 4
Number of cores collected: 6
Number of cores rejected: 2 Rationale: poor recovery
Analyses Collected: SVOCs, metals, TOC

Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.2 ppm wet, brown, f-c sand

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date: 6/2/17
Time: 1448
Staff: MM, RB, BM, JS

Loc ID: CH-SWSD063
Northing:
Easting:

Site Conditions
Water depth (ft): 4.5 Flowing: (Yes) / No
Channel width (ft): 21 Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 560/6920 Meter ID: 15E101088

Water Quality Parameters	Middle of Water Column
Measurement Depth (ft)	2.25"
Temperature (deg. C)	16.81
Sp. Conductance (~~uS~~/cm) ms	0.139
Dissolved Oxygen (mg/L)	7.53
Dissolved Oxygen (% sat)	77.6
pH (S.U.)	5.76
Turbidity	4.3

Surface water sample collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD063-SW01
Sample Time: 1455
Type of Sample: Grab / (Pump) / Other peristaltic
Sample depth (inches): 2.25
No. of samples collected: 1
No. of samples rejected: 0 Rationale: NA
Analyses Collected: SVOCs, metals, hardness

Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD063-SE01
Sample Time: 1510
Core penetration depth (inches): 6
RPD depth (inches): 3
Number of cores collected: 3
Number of cores rejected: 2 Rationale: poor recovery
Analyses Collected: SVOCs, metals, TOC

Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date: 6/2/17
Time: 1436
Staff: MM, RB, BM, JS

Loc ID: CH-SWSD064
Northing:
Easting:

Site Conditions
Water depth (ft): 3.5 Flowing: (Yes) / No
Channel width (ft): 79 Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 560/650 Meter ID: 15E10188

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1.75
Temperature (deg. C)	17.83
Sp. Conductance (uS/cm)	0.004
Dissolved Oxygen (mg/L)	7.48
Dissolved Oxygen (% sat)	79.1
pH (S.U.)	5.77
Turbidity	4.8

Surface water sample collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD064-SW01
Sample Time: 1445
Type of Sample: Grab (Pump) / Other peristaltic
Sample depth (inches): 1.75
No. of samples collected: 1
No. of samples rejected: 0 Rationale: NA
Analyses Collected: SVOCs, metals, hardness

Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD064-SE01
Sample Time: 1455
Core penetration depth (inches): 8
RPD depth (inches): 6
Number of cores collected: 10
Number of cores rejected: 3 Rationale: poor recovery
Analyses Collected: SVOCs, metals, TOC

Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
wet, brown, sand w/ silt 0.9ppm

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date: 6/2/17
Time: 1421
Staff: MM, RB, RM, JS

Loc ID: CH-SWSD065
Northing:
Easting:

Site Conditions
Water depth (ft): 3.5 Flowing: (Yes) / No
Channel width (ft): 57 Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 650/6920 Meter ID: 15E101088

Water Quality Parameters	Middle of Water Column
Measurement Depth (ft)	1.75
Temperature (deg. C)	17.92
Sp. Conductance (~~uS~~/cm) MS	0.142
Dissolved Oxygen (mg/L)	8.03
Dissolved Oxygen (% sat)	84.3
pH (S.U.)	5.63
Turbidity	4.7

Surface water sample collection:
circle if collected: (FD) MS/MSD CH-SWSD065-SW01-MS
Sample ID: CH-SWSD065-SW01
Sample Time: 1425
Type of Sample: Grab / (Pump) / Other peristaltic
Sample depth (inches): 1.75
No. of samples collected: 1
No. of samples rejected: 0 Rationale: N/A
Analyses Collected: SVOCs, metals, hardness

Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection:
circle if collected: (FD) MS/MSD
Sample ID: CH-SWSD065-SE01
Sample Time: 1440
Core penetration depth (inches): 8
RPD depth (inches): 8
Number of cores collected: 8
Number of cores rejected: 0 Rationale: N/A
Analyses Collected: SVOCs, metals, TOC

Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.4 ppm

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date 6-2-2017
Time
Staff

Loc ID CH-SWSD 0676
Northing
Easting

Site Conditions
Water depth (ft): Flowing: Yes / No
Channel width (ft): NA Revetted Channel: Yes / No
Notes (not covered in Habitat Form):

Field Data Meter Type: 6920 YSI Meter ID: 15E101088

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	
Temperature (deg. C)	
Sp. Conductance (uS/cm)	
Dissolved Oxygen (mg/L)	
Dissolved Oxygen (% sat)	
pH (S.U.)	
Turbidity	
ORP	

Surface water sample collection: circle if collected FD MS/MSD
Sample ID: CH-SWSD067-SW01
Sample Time:
Type of Sample Grab / Pump / Other
Sample depth (inches):
No. of samples collected:
No. of samples rejected: Rationale:
Analyses Collected: SVOCs, Metals, Hardness

Sheen Yes / No Odor Yes / No
Notes (not covered in Habitat Form):

Sediment collection: 6 circle if collected FD MS/MSD
Sample ID: CH-SWSD067-SE01
Sample Time: 0855
Core penetration depth (inches): 6 w/ scoop
RPD depth (inches): 6 w/ scoop
Number of cores collected: 6 scoops
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, Metals, Toc

Sheen Yes / (No) Odor Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.7 ppm
dark brown organic soil

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date: 6/2/17
Time: 0852
Staff: BOB Burns

Loc ID: CH-SWSD06[illegible]7
Northing:
Easting:

Site Conditions
Water depth (ft): 1"
Flowing: Yes / (No)
Channel width (ft): 20"
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):
Lateral flow from wetland area

Field Data Meter Type: YSI 650/6920 ~~Hach~~ YSI 6920 Meter ID: 15E101082

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	0.5"
Temperature (deg. C)	14.28
Sp. Conductance ~~uS/cm~~ mS/cm	0.180
Dissolved Oxygen (mg/L)	6.60
Dissolved Oxygen (% sat)	55.0
pH (S.U.)	5.45
Turbidity	56
ORP	163.3

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD06[illegible]7-SW01
Sample Time:
Type of Sample: Grab / (Pump) / Other 0910
Sample depth (inches): 0.5"
No. of samples collected: 1
No. of samples rejected: NA Rationale: NA
Analyses Collected: SVOCs, Metals, Hardness

Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):
Collected filtered sample

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD06[illegible]7-SE01
Sample Time: 0915
Core penetration depth (inches): 9
RPD depth (inches): 6
Number of cores collected: 5
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, Metals, TOC

Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.7 ppm
saturated dark brown organic soil

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date: 6-2-2017
Time: 0923
Staff: RobertBurns

Loc ID: CH-SWSD068
Northing:
Easting:

Site Conditions
Water depth (ft): 2.5"
Flowing: Yes / (No)
Channel width (ft): 17"
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101088

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1.25"
Temperature (deg. C)	13.92
Sp. Conductance (~~uS/cm~~) mS/cm	0.162
Dissolved Oxygen (mg/L)	3.16
Dissolved Oxygen (% sat)	30.4
pH (S.U.)	4.02
Turbidity	~~0.1682~~ 0.6
ORP	232.7

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD068-SW01
Sample Time: 0925
Type of Sample: Grab / (Pump) / Other Peristaltic
Sample depth (inches): 1.25"
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: SVOCs, Metals, Hardness
Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD068-SE01
Sample Time: 0945
Core penetration depth (inches): 10"
RPD depth (inches): 6"
Number of cores collected: 8
Number of cores rejected: 2 Rationale: poor recovery
Analyses Collected: SVOCs, Metals, TOC
Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.3 ppm, saturated, dark brown, organic soil (0-3")
dark brown, fi-m sandy loam

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date: 6/2/17
Time: 1000
Staff: MM, RB

Loc ID: CH-SWSD069
Northing:
Easting:

Site Conditions
Water depth (ft): 2.5"
Flowing: Yes / (No)
Channel width (ft): 18"
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 650/6920 Meter ID: 15E101088

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1.25"
Temperature (deg. C)	14.01
Sp. Conductance (uS/cm)	0.163
Dissolved Oxygen (mg/L)	4.13
Dissolved Oxygen (% sat)	408
pH (S.U.)	3.94
Turbidity	2.70
ORP	265.2

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD069-SW01
Sample Time: 1000
Type of Sample: Grab / (Pump) / Other peristaltic
Sample depth (inches): 1.25"
No. of samples collected: 1
No. of samples rejected: 0 Rationale: NA
Analyses Collected: SVOCs, Metals, Hardness

Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD069-SE01
Sample Time: 1010
Core penetration depth (inches): 8
RPD depth (inches): 4
Number of cores collected: 6
Number of cores rejected: 1 Rationale: poor recovery
Analyses Collected: SVOCs, Metals, TOC

Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
Saturated, dark brown, organic soil & silt, 0.1 ppm
Flap Gauge Auger

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date: 6/2/17
Time: 1015
Staff: MM, RB,

Loc ID: CH-SWSD070
Northing:
Easting:

Site Conditions
Water depth (ft): Flowing: Yes / No
Channel width (ft): Revetted Channel: Yes / No
Notes (not covered in Habitat Form):

No sample ACB 6/2/17

Field Data Meter Type: Meter ID:

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	
Temperature (deg. C)	
Sp. Conductance (uS/cm)	
Dissolved Oxygen (mg/L)	
Dissolved Oxygen (% sat)	
pH (S.U.)	
Turbidity	
ORP	

Surface water sample collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD070-SW01
Sample Time:
Type of Sample Grab / Pump / Other
Sample depth (inches):
No. of samples collected:
No. of samples rejected: Rationale:
Analyses Collected: SVOCs, Metals, Cr 6+, Hardness

Sheen Yes / No Odor Yes / No
Notes (not covered in Habitat Form):

No sample collected, dry

Sediment collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD070-SED1
Sample Time: 1038
Core penetration depth (inches): 6
RPD depth (inches): 6
Number of cores collected: 8 scoops
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, Metals, Cr 6+, Geochem, Tox

Sheen Yes / (No) Odor Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):

0.6ppm
Moist, dark brown, organic soil
disposable scoop

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date: 6/2/17
Time: 1005
Staff: RB, MM, BM, JS

Loc ID: CH-SWSD071
Northing:
Easting:

Site Conditions
Water depth (ft): 0"
Channel width (ft): 41"
Flowing: Yes / (No)
Revetted Channel: Yes / (No)
Notes (not covered in Habitat Form):

Field Data Meter Type: NA Meter ID: NA

Water Quality Parameters: Middle of Water Column
Measurement Depth (ft): NA - dry
Temperature (deg. C)
Sp. Conductance (uS/cm)
Dissolved Oxygen (mg/L)
Dissolved Oxygen (% sat)
pH (S.U.)
Turbidity
ORP

Surface water sample collection: circle if collected FD MS/MSD
Sample ID: NA dry
Sample Time:
Type of Sample Grab / Pump / Other
Sample depth (inches):
No. of samples collected:
No. of samples rejected: Rationale:
Analyses Collected:

Sheen Yes / No Odor Yes / No
Notes (not covered in Habitat Form):
No sample collected, dry

Sediment collection: circle if collected FD MS/MSD
Sample ID: CH-SWSD071-SE01
Sample Time: 1045
Core penetration depth (inches): 6
RPD depth (inches): 6
Number of cores collected: 6 scoops
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, metals, TOC

Sheen Yes / (No) Odor Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.4ppm, moist, dark brown, organic soil
disposable poly scoops

ield Duplicate
SD – Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date: 6/2/17
Time: 1010
Staff: RB, MM, BM, JS

Loc ID: CH-SWSD072
Northing:
Easting:

Site Conditions
Water depth (ft): 1"
Flowing: Yes / (No)
Channel width (ft): 4'1"
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI-650/6920 Meter ID: 15E101088

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	0.5"
Temperature (deg. C) mS	14.81
Sp. Conductance (~~uS/cm~~)	0.175
Dissolved Oxygen (mg/L)	6.56
Dissolved Oxygen (% sat)	64.3
pH (S.U.)	3.75
Turbidity	11.4
ORP	291.7

Surface water sample collection: (circle if collected: FD, MS/MSD)
Sample ID: CH-SWSD072-SW01
Sample Time: 1030
Type of Sample: Grab / (Pump) / Other peristaltic
Sample depth (inches): 0.5'
No. of samples collected: 1
No. of samples rejected: 0 Rationale: NA
Analyses Collected: SVOCs, metals, hardness, TOC

Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):
Collected filtered sample

Sediment collection: (circle if collected: FD, MS/MSD)
Sample ID: CH-SWSD072-SE01
Sample Time: 1050
Core penetration depth (inches): 8
RPD depth (inches): 6
Number of cores collected: 5 Eddie
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, metals, TOC

Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.4 ppm, 0-3in wet, dark brown, organic soil
3-6in dark brown silt
Flap gauge auger -

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date: 6/2/17
Time: 1035
Staff: RB, MM, BM, JS

Loc ID: CH-SWSD073
Northing:
Easting:

Site Conditions
Water depth (ft): 1.25'
Flowing: (Yes) / No
Channel width (ft): 42"
Revetted Channel: Yes (No)
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 650/600 Meter ID: 15E101088

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	0.80
Temperature (deg. C)	15.03
Sp. Conductance (uS/cm)	0.176
Dissolved Oxygen (mg/L)	6.04
Dissolved Oxygen (% sat)	59.9
pH (S.U.)	3.48
Turbidity	7.7
ORP	307.2

Surface water sample collection: (circle if collected: FD, MS/MSD)
Sample ID: CH-SWSD073-SW01
Sample Time: 1045
Type of Sample: Grab / (Pump) / Other peristaltic
Sample depth (inches): 0.80
No. of samples collected: 1
No. of samples rejected: 0 Rationale: NA
Analyses Collected: SVOCs, metals, hardness, Cr-6+

Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: (circle if collected: FD, MS/MSD)
Sample ID: CH-SWSD073-SE01
Sample Time: 1115
Core penetration depth (inches): 10
RPD depth (inches): 8
Number of cores collected: 4 Eddie
Number of cores rejected: 0 Rationale: NA
Analyses Collected: Metals, TOC, SVOCs

Sheen: Yes (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.4 ppm 0-1" -> wet, dark brown, organic soil
1-6" -> wet, dark brown silt

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date: 6/2/17
Time: 1106
Staff: MM, KB, BM, JS

Loc ID: CH-SWSD074
Northing:
Easting:

Site Conditions
Water depth (ft): 0.75 Flowing: (Yes) / No
Channel width (ft): 64 46 Revetted Channel: Yes / (No)
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 650/6920 Meter ID: 15E101088

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	0.37
Temperature (deg. C)	17.29
Sp. Conductance (uS/cm)	0.177
Dissolved Oxygen (mg/L)	7.34
Dissolved Oxygen (% sat)	76.2
pH (S.U.)	3.66
Turbidity	314.1
ORP	18.2

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD074-SW01
Sample Time: 1120
Type of Sample: Grab / (Pump) / Other peristaltic
Sample depth (inches): 0.37
No. of samples collected: 1
No. of samples rejected: 0 Rationale: NA
Analyses Collected: SVOCs, metals, hardness

Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):
collected filtered

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD074-SE01
Sample Time: 1130
Core penetration depth (inches): 8
RPD depth (inches): 8
Number of cores collected: 4 Eddie
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, metals, TOC

Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.9ppm 0-8" wet, dark brown silt

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date: 6/2/17
Time: 1130
Staff: MM, RB, BM, JS

Loc ID: CH-SWSD075
Northing:
Easting:

Site Conditions
Water depth (ft): 1"
Channel width (ft): 54"
Flowing: Yes / (No)
Revetted Channel: Yes (No)
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 650/6920 Meter ID: 15E101088

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	0.5
Temperature (deg. C)	16.62
Sp. Conductance (uS/cm)	0.175
Dissolved Oxygen (mg/L)	7.14
Dissolved Oxygen (% sat)	73.3
pH (S.U.)	3.64
Turbidity	3.3
ORP	319.0

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD075-SW01
Sample Time: 1145
Type of Sample Grab / (Pump) / Other peristaltic
Sample depth (inches): 0.5
No. of samples collected: 1
No. of samples rejected: 0 Rationale: NA
Analyses Collected: SVOCs, metals, hardness

Sheen Yes / (No) Odor Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: (circle if collected: (FD) MS/MSD)
Sample ID: CH-SWSD075-SE01 ~~CH-SWSD075-SE01 F~~ CH-SWSD075-SE01D
Sample Time: 1000
Core penetration depth (inches): 8"
RPD depth (inches): 6"
Number of cores collected: 8 Edible
Number of cores rejected: 1 Rationale: poor recovery
Analyses Collected: SVOCs, metals, TOC

Sheen Yes / (No) Odor Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.1 ppm wet brown silt
Flap gauge auger

JH 6/2/17

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date: 6/2/17
Time: 1152
Staff: MM, RB, BM, JS

Loc ID: CH-SWSD076
Northing:
Easting:

Site Conditions
Water depth (ft): 1.25"
Flowing: Yes / (No)
Channel width (ft): 76"
Revetted Channel: Yes / (No)
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 560/6920 Meter ID: 15E101088

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	0.62
Temperature (deg. C)	17.77
Sp Conductance (uS/cm)	0.171
Dissolved Oxygen (mg/L)	8.63
Dissolved Oxygen (% sat)	90.7
pH (S.U.)	3.75
Turbidity	3.00
ORP	30.5

Surface water sample collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD076-SW01
Sample Time: 1210
Type of Sample: Grab (Pump) / Other peristaltic
Sample depth (inches): 0.62
No. of samples collected: 1
No. of samples rejected: 0 Rationale: N/A
Analyses Collected: SVOCs, metals, hardness

Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD076-SE01
Sample Time: 1225
Core penetration depth (inches): 8
RPD depth (inches): 8
Number of cores collected: 6 Edelo
Number of cores rejected: 1 Rationale: poor recovery
Analyses Collected: SVOCs, TOC, metals

Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
1.1 ppm 0-6" -> wet brown organic soil
6-8" -> light gray sand
Flap gauge auger

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date: 6/2/17
Time: 1215
Staff: MM, PB, BM, JS

Loc ID: CH-SWSD077
Northing:
Easting:

Site Conditions
Water depth (ft): 2 in
Channel width (ft): 103 in
Flowing: Yes / (No)
Revetted Channel: Yes / (No)
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 560/8920 Meter ID: 15E101088

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1
Temperature (deg. C)	15.96
Sp. Conductance (uS/cm)	0.177
Dissolved Oxygen (mg/L)	6.27
Dissolved Oxygen (% sat)	63.4
pH (S.U.)	3.94
Turbidity	1.9
ORP	309.1

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD077-SW01
Sample Time: 1225
Type of Sample: Grab / (Pump) / Other: Peristaltic
Sample depth (inches): 1
No. of samples collected: 1
No. of samples rejected: 0 Rationale: NA
Analyses Collected: SVOCs, metals, hardness

Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD077-SE01
Sample Time: 1240
Core penetration depth (inches): 8
RPD depth (inches): 8
Number of cores collected: 5 Edelte
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, metals, TOC

Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.5 ppm 0-2" -> wet, brown organic soil
2-8" -> wet, brown, silt
Flap gauge auger

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date: 6/2/17
Time: 1230
Staff: MM, RB, BM, JS

Loc ID: CH-SWSD078
Northing:
Easting:

Site Conditions
Water depth (ft): 0.75"
Flowing: Yes / (No)
Channel width (ft): 77"
Revetted Channel: Yes / (No)
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 560/6920 Meter ID: 15E101088

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	0.33
Temperature (deg. C)	16.77
Sp. Conductance (uS/cm)	0.177
Dissolved Oxygen (mg/L)	5.42
Dissolved Oxygen (% sat)	55.2
pH (S.U.)	3.83
Turbidity	3.7
ORP	258.3

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD078-SW01
Sample Time: 1235
Type of Sample: Grab / (Pump) / Other: Peristaltic
Sample depth (inches): 0.33
No. of samples collected: 1
No. of samples rejected: 0 Rationale: NA
Analyses Collected: SVOCs, metals, hardness

Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD078-SE01
Sample Time: 1255
Core penetration depth (inches): 8
RPD depth (inches): 8
Number of cores collected: 5 Eddie
Number of cores rejected: 0 Rationale: NA
Analyses Collected:

Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.7ppm 0-2" -> wet, brown organic soil
2-8" -> wet, brown silt
Flap gauge gage

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date: 6/2/17
Time: 1240
Staff: MM, RB, BM, JS

Loc ID: CH-SWSD079
Northing:
Easting:

Site Conditions
Water depth (ft): 0"
Flowing: Yes / (No)
Channel width (ft):
Revetted Channel: Yes / (No)
Notes (not covered in Habitat Form):

Field Data Meter Type: NA Meter ID: NA

Water Quality Parameters: Middle of Water Column
Measurement Depth (ft) NA dry
Temperature (deg. C)
Sp. Conductance (uS/cm)
Dissolved Oxygen (mg/L)
Dissolved Oxygen (% sat)
pH (S.U.)
Turbidity
ORP

Surface water sample collection: circle if collected: FD MS/MSD
Sample ID: NA dry
Sample Time:
Type of Sample Grab / Pump / Other
Sample depth (inches):
No. of samples collected:
No. of samples rejected: Rationale:
Analyses Collected:

Sheen Yes / No Odor Yes / No
Notes (not covered in Habitat Form):

No sample collected. dry

Sediment collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD079-SED1
Sample Time: 1245
Core penetration depth (inches): 6" - Auger (Attempted with scoop (0-3"))
RPD depth (inches): 3"
Number of cores collected: 1
Number of cores rejected: N/A Rationale: N/A
Analyses Collected: SVOCs, metals, TOC

Sheen Yes / (No) Odor Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):

PID = 0.4ppm
plastic scoops

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD080 ~~080~~ sen ~~SWSD 099~~ sen

Date 6/5/17
Time 1600
Staff Robert Burns

Loc ID ~~SWSD 099~~
Northing
Easting

Site Conditions
Water depth (ft): 3"
Flowing: (Yes) / No
Channel width (ft): 43.5'
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1.5"
Temperature (deg. C)	13.62
Sp. Conductance (~~uS/cm~~) mS/cm	0.205
Dissolved Oxygen (mg/L)	7.32
Dissolved Oxygen (% sat)	70.5
pH (S.U.)	4.14
Turbidity	0.4
ORP	282.5

Surface water sample collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD080-SW01
Sample Time: 1615
Type of Sample Grab / (Pump) / Other Peristaltic
Sample depth (inches): ~~1.5~~ RB 1.5"
No. of samples collected: 1
No. of samples rejected: NA Rationale: NA
Analyses Collected: SVOC | Metals | hardness | Cr6+
Sheen Yes / (No) Odor Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: (FD) MS/MSD
Sample ID: CH-SWSD080-SE01
Sample Time: 1630
Core penetration depth (inches): 6
RPD depth (inches): 6
Number of cores collected: 4 augers
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOC | Metals | TOC | Cr6+ | Geochem | Hg
Sheen Yes (No) Odor (Yes) / ~~No~~ ~~Yes~~ 6/5/17 biological?
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
11.0 ppm
0-1 in leaf & organic matter
1-6 wet light brown fine to coarse sand with some dark brown silt

auger

CH-SWSD080-SE01D

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD081

Date: 6/5/17
Time: 1525
Staff: Robert Burns

Loc ID: SWSD 081
Northing:
Easting:

Site Conditions
Water depth (ft): 5"
Flowing: (Yes) / No
Channel width (ft): 41"
Revetted Channel: Yes / (No)
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 692 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	2.5
Temperature (deg. C)	13.64
Sp. Conductance (~~uS/cm~~) mS/cm	0.205
Dissolved Oxygen (mg/L)	7.33
Dissolved Oxygen (% sat)	70.6
pH (S.U.)	4.14
Turbidity	3.1
ORP	283.2

Surface water sample collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD081-SW01
Sample Time: 1545
Type of Sample: Grab / (Pump) / Other: Peristaltic
Sample depth (inches): 2.5
No. of samples collected: 1
No. of samples rejected: NA Rationale: NA
Analyses Collected: SVOCs / metals / hardness

Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD081-SE01
Sample Time: 1600
Core penetration depth (inches): 6
RPD depth (inches): 6
Number of cores collected: 2 augers (auger)
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs / metals / TOC / Hg

Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.0 ppm
0-1 in leaf & organic matter
1-6 in wet light brown fine to coarse sand with some dark brown silt & trace fine to medium gravel

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD082

Date: 6-5-2017
Time: 1505
Staff: Robert Burns

Loc ID: SWSD-82 (CH-SWSD082)
Northing:
Easting:

Site Conditions
Water depth (ft): 3"
Flowing: (Yes) / No
Channel width (ft): 43.5"
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1.5"
Temperature (deg. C)	14.08
Sp. Conductance (uS/cm)	0.205
Dissolved Oxygen (mg/L)	7.20
Dissolved Oxygen (% sat)	70.0
pH (S.U.)	4.15
Turbidity	1.2
ORP	296.9

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD082
Sample Time: 1520
Type of Sample: Grab / (Pump) / Other: Peristaltic
Sample depth (inches): 1.5"
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: SVOCs, Metals, Hardness

Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD082-SE01
Sample Time: 1530
Core penetration depth (inches): 6
RPD depth (inches): 6
Number of cores collected: 1 auger
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg

auger

Sheen: Yes / (No) Odor: (Yes) / ~~No~~ yes 6/5/17 biological?
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
7.0 ppm
0-1 in leaf + organic matter
1-6 in wet light brown fine to coarse sand with some dark brown silt & trace fine to medium gravel

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD083

Date 6-5-17
Time 1455
Staff Robert Burns

Loc ID ~~SWSD-83-dup~~
Northing
Easting

Site Conditions
Water depth (ft): 6"
Channel width (ft): 43'
Flowing: (Yes) No
Revetted Channel: (Yes) No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	~~13.82 ft~~ 3"
Temperature (deg. C)	13.82
Sp. Conductance (uS/cm)	0.205
Dissolved Oxygen (mg/L)	7.30
Dissolved Oxygen (% sat)	70.6
pH (S.U.)	4.14
Turbidity	1.2
ORP	284.3

Surface water sample collection: circle if collected FD MS/MSD
Sample ID: CH-SWSD083
Sample Time: 1500
Type of Sample Grab / Pump / Other Peristaltic
Sample depth (inches): ~~1500~~ 3"
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: SVOCs, Metals, Hardness

Sheen Yes / (No) Odor Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected FD MS/MSD
Sample ID: CH-SWSD083-SE01
Sample Time: 1510
Core penetration depth (inches): 6
RPD depth (inches): 6
Number of cores collected: 3 augers
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg

auger

Sheen Yes / (No) Odor (Yes) / No
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.0 ppm
0-1 in leaf & organic matter
1-6 in wet light brown fine to coarse sand with some dark brown silt & trace fine to medium gravel

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD084

Date 6/5/17
Time 1440
Staff Robert Bunny

Loc ID ~~SWSD-84~~ aw

Northing
Easting

Site Conditions
Water depth (ft): 3"
Flowing: (Yes) / No
Channel width (ft): 34.5'
Revetted Channel: (Yes) No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1.5
Temperature (deg. C)	13.92
Sp. Conductance ~~(uS/cm)~~ mS/cm	0.205
Dissolved Oxygen (mg/L)	7.31
Dissolved Oxygen (% sat)	70.8
pH (S.U.)	4.15
Turbidity	61
ORP	301.7

Surface water sample collection: circle if collected FD MS/MSD
Sample ID: CH-SWSD084
Sample Time: 1445
Type of Sample Grab / (Pump) / Other Peristaltic
Sample depth (inches): 1.5
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: SVOCs, metals, Hardness

Sheen Yes / (No) Odor Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected FD MS/MSD
Sample ID: CH-SWSD084-SE01
Sample Time: 1450
Core penetration depth (inches): 6
RPD depth (inches): 6
Number of cores collected: 2 augers
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg

auger

Sheen Yes / (No) Odor (Yes) No
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.0 ppm
0-1 leaf & organic matter
1-6 wet light brown fine to coarse sand with trace dark brown silt & trace fine to coarse gravel

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD085

Date 6/5/17
Time 1410
Staff PW

Loc ID ~~SWSD-85~~ dm
Northing
Easting

Site Conditions
Water depth (ft): 3"
Channel width (ft): 21"
Flowing: (Yes) / No
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E-101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1.5
Temperature (deg. C)	13.63
Sp. Conductance (uS/cm)	0.198
Dissolved Oxygen (mg/L)	7.40
Dissolved Oxygen (% sat)	71.2
pH (S.U.)	4.23
Turbidity	5.5
ORP	308.9

Surface water sample collection:
Sample ID: CH-SWSD085-SW01
Sample Time: 1415
Type of Sample Grab / (Pump) / Other Peristaltic
Sample depth (inches): 1.5
No. of samples collected: 1
No. of samples rejected: NA Rationale: NA
Analyses Collected: SVOCs, metals, hardness

circle if collected: (FD) MS/MSD

Sheen Yes / (No) Odor Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection:
Sample ID: CH-SWSD085-SE01
Sample Time: 1420
Core penetration depth (inches): 6
RPD depth (inches): 6
Number of cores collected: 3 augers
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, Hg, Metals, TOC

circle if collected: (FD) MS/MSD
CH-SWSD085-SE01D

auger

Sheen Yes / (No) Odor Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.0ppm
wet light brown, fine to coarse sand with trace dark brown silt and trace fine to coarse gravel

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD086

Date: 6/5/17
Time: 1330
Staff: AW

Loc ID: ~~SWSD-86 Dup~~
Northing:
Easting:

Site Conditions
Water depth (ft): 3"
Channel width (ft): 25"
Flowing: (Yes) No
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1.5"
Temperature (deg. C)	13.63
Sp. Conductance ~~(uS/cm)~~ mS/cm	0.198
Dissolved Oxygen (mg/L)	7.4
Dissolved Oxygen (% sat)	71.2
pH (S.U.)	4.23
Turbidity	5.5
ORP	308.8

Surface water sample collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD086-SW01
Sample Time: 1345
Type of Sample: Grab / (Pump) / Other
Sample depth (inches): 1.5
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: SVOCs, metals, hardness
Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD086-SE01
Sample Time: 1405
auger
Core penetration depth (inches): 6
RPD depth (inches): 6
Number of cores collected: 1 auger
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, Metals, Hg, TOC
Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.0 ppm
wet light brown fine to coarse sand with some silt and some fine to coarse gravel and small cobbles

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD087

Date: 6/5/17
Time: 1315
Staff: AW

Loc ID: ~~SWSD87~~ SWSD087
Northing:
Easting:

Site Conditions
Water depth (ft): 3"
Channel width (ft): 29"
Flowing: (Yes) / No
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 1892 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1.5"
Temperature (deg. C)	13.63
Sp. Conductance (uS/cm)	0.198
Dissolved Oxygen (mg/L)	7.40
Dissolved Oxygen (% sat)	71.2
pH (S.U.)	4.23
Turbidity	5.2
ORP	308.8

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD087-SW01
Sample Time: 1320
Type of Sample: Grab / (Pump) / Other
Sample depth (inches): 1.5
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: SVOCs, metals, hardness

Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD087-SE01
Sample Time: 1345
Core penetration depth (inches): 6
RPD depth (inches): 6
Number of cores collected: 3 augers
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, Metals, Hg, TOC

auger

Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.0 ppm
wet light brown fine to coarse sand with trace silt and trace fine to medium gravel

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD088

Date	6/5/17
Time	1305
Staff	MM
Loc ID	~~SWSD-88~~ am
Northing	
Easting	

Site Conditions
Water depth (ft): 3" Flowing: ~~Yes~~ / No
Channel width (ft): 36" Revetted Channel: (Yes) No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1.5"
Temperature (deg. C)	13.59
Sp. Conductance ~~(uS/cm)~~ mS/cm	0.198
Dissolved Oxygen (mg/L)	7.40
Dissolved Oxygen (% sat)	71.3
pH (S.U.)	4.23
Turbidity	7.1
ORP	308.8

Surface water sample collection: circle if collected FD MS/MSD
Sample ID: CH-SWSD088-SW01
Sample Time: 1310
Type of Sample Grab / (Pump) / Other peri.
Sample depth (inches): 1.5
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: SVOCs, Metals, Hardness
Sheen Yes / (No) Odor Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected FD MS/MSD
Sample ID: CH-SWSD088-SE01
Sample Time: 1315
Core penetration depth (inches): 6
RPD depth (inches): 6
augers Number of cores collected: 2 augers
Number of cores rejected: ~~N/A~~ 0 Rationale: N/A
Analyses Collected: SVOCs, metals, TOC, Hg
Sheen Yes / (No) Odor Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.0 ppm
wet light brown fine to coarse sand w/trace silt & trace fine gravel

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD089

Date: 6/5/17
Time: 1215
Staff: MM

Loc ID: ~~SWSD-089~~ dm
Northing:
Easting:

Site Conditions
Water depth (ft): 5.5"
Flowing: (Yes) / No
Channel width (ft): 40"
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6820 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	2.75"
Temperature (deg. C)	13.94
Sp. Conductance (uS/cm)	0.195
Dissolved Oxygen (mg/L)	7.29
Dissolved Oxygen (% sat)	70.7
pH (S.U.)	4.27
Turbidity	1.8
ORP	304.5

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD089-SW01
Sample Time: 1306
Type of Sample: Grab / (Pump) / Other Peri.
Sample depth (inches): 2.75"
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: SVOCs, Metals, Hardness

Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD089-SE01
Sample Time: 1305
Core penetration depth (inches): 6
RPD depth (inches): 6
auger
Number of cores collected: 2 augers
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, metals, TOC, Hg

Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.0 ppm
wet dark brown organic silt w/ fine sand

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD090

Date: 6/5/17
Time: ~~11:40~~ RB 1145
Staff: MM

Loc ID: ~~SWSD-90~~ CH-SWSD090
Northing:
Easting:

Site Conditions
Water depth (ft): 4"
Flowing: (Yes) No
Channel width (ft): 40"
Revetted Channel: (Yes) No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	~~2'~~ RB 2"
Temperature (deg. C)	13.82
Sp. Conductance (~~uS/cm~~) mS/cm	0.194
Dissolved Oxygen (mg/L)	6.96
Dissolved Oxygen (% sat)	67.4
pH (S.U.)	4.27
Turbidity	1.6
ORP	306.4

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD090-SW01
Sample Time: 1145
Type of Sample: Grab / (Pump) / Other ~~Peri~~
Sample depth (inches): 2"
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: SVOC, Metals, Hardness
Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: (circle if collected: FD (MS/MSD))
Sample ID: CH-SWSD090-SE01
Sample Time: 1200
Core penetration depth (inches): 6
RPD depth (inches): 6
Number of cores collected: 6 augers
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOC, Metals, TOC, Hg, Cr, Geochem
Sheen: Yes / (No) Odor: Yes / (No)
CH-SWSD090-SE01-MS
CH-SWSD090-SE01-MSD

auger

Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.0 ppm
F-6 wet light brown fine to coarse sand with dark brown silt
0-1 in leaf torganic matter

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD091

Date: 6/5/17
Time: 1120
Staff: MM

Loc ID: ~~SWSD-91~~ CH-SWSD091
Northing:
Easting:

Site Conditions
Water depth (ft): 8"
Flowing: (Yes) / No
Channel width (ft): 37"
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	4"
Temperature (deg. C)	13.71
Sp. Conductance (~~uS/cm~~) mS/cm	0.194
Dissolved Oxygen (mg/L)	7.11
Dissolved Oxygen (% sat)	68.5
pH (S.U.)	4.27
Turbidity	1.8
ORP	368.8

Surface water sample collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD091-SW01
Sample Time: 1136
Type of Sample: Grab / (Pump) / Other peristaltic
Sample depth (inches): 4"
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: SVOCs, Metals, Hardness, Cr

Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD091-SE01
Sample Time: 1145
Core penetration depth (inches): 6
RPD depth (inches): 6
Number of cores collected: 1 auger
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOC, Metals, TOC, Hg

Sheen: Yes / (No) Odor: (Yes) No biological?
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
1.3 ppm
0-1in wet/light brown fine to coarse sand with dark brown silt
1-6in leaf & organic matter

auger

Field Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD092

Date	6/5/17
Time	1100
Staff	MM

Loc ID: SWSD-92-dup
Northing:
Easting:

Site Conditions

Water depth (ft): 7.5" Flowing: (Yes) / No
Channel width (ft): 39" Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	3.75"
Temperature (deg. C)	13.82
Sp. Conductance (uS/cm)	0.194
Dissolved Oxygen (mg/L)	7.81
Dissolved Oxygen (% sat)	75.5
pH (S.U.)	4.25
Turbidity	4.9
ORP	311.2

Surface water sample collection: circle if collected FD MS/MSD

Sample ID: CH-SWS0092-SW01
Sample Time: 1115
Type of Sample Grab / Pump / Other Peristaltic
Sample depth (inches): 3.75
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: SVOCs / Metals / hardness

Sheen Yes / (No) Odor Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected FD MS/MSD

Sample ID: CH-SWS0092-SE01
Sample Time: 1130
Core penetration depth (inches): 6
RPD depth (inches): 6
Number of cores collected: 2 augers (augar)
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs / metals / TOC, Hg

Sheen Yes / (No) Odor (Yes) / No biological?
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.0ppm
0-1 :R → leaf + organic matter
1-6 (6/5/17) wet light brown fine to coarse sand with dark brown silt

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD093

Date: 6/5/17
Time: 1020
Staff: MM

Loc ID: ~~SWSD-093-am~~
Northing:
Easting:

Site Conditions
Water depth (ft): 2.5 "
Channel width (ft): 37.5 "
Flowing: (Yes) / No
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1.25
Temperature (deg. C)	14.23
Sp. Conductance (uS/cm)	0.193
Dissolved Oxygen (mg/L)	7.50
Dissolved Oxygen (% sat)	73.2
pH (S.U.)	4.29
Turbidity	4.2
ORP	315.0

Surface water sample collection: circle if collected: FD (MS/MSD)
Sample ID: CH-SWSD093-SW01
Sample Time: 1030
Type of Sample: Grab / (Pump) / Other
Sample depth (inches): 1.25
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: SVOCs | metals | hardness
Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: FD (MS/MSD)
Sample ID: CH-SWSD093-SE01
Sample Time: 1100
Core penetration depth (inches): 6
RPD depth (inches): 6
Number of cores collected: 2 augers
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs | metals | TOC | Hg
Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.0 ppm
wet light brown fine to coarse sand w/ dark brown silt

auger

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD094

Date: 05 JUN 2017
Time: 0935
Staff: Robert Burns

Loc ID: ~~SWSD-094~~ CH-SWSD094
Northing:
Easting:

Site Conditions
Water depth (ft): 1.5"
Channel width (ft): 38"
Flowing: (Yes) / No
Revetted Channel: (Yes) No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	~~1.5~~ 0.75
Temperature (deg. C)	14.31
Sp. Conductance (~~uS/cm~~) mS/cm	0.194
Dissolved Oxygen (mg/L)	7.57
Dissolved Oxygen (% sat)	74.0
pH (S.U.)	4.27
Turbidity	5.2
ORP	309.1

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD094-SW01
Sample Time: 0940
Type of Sample: Grab / (Pump) / Other Peristaltic
Sample depth (inches): 0.75
No. of samples collected: 1
No. of samples rejected: NA Rationale: NA
Analyses Collected: SVOCs / Metals / Hardness
Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD094-SE01
Sample Time: 1010
Core penetration depth (inches): 6
RPD depth (inches): 6
Number of cores collected: 2 augers
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs / Metals / TOC / Hg
Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):

auger

0.0 ppm
wet light brown fine to medium sand with dark brown silt

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD095

Date 6/5/17
Time 0945
Staff AW

Loc ID ~~SWSD-095-DUP~~
Northing
Easting

Site Conditions
Water depth (ft): 1.5"
Channel width (ft): 38"
Flowing: (Yes) / No
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	0.75"
Temperature (deg. C)	13.98
Sp. Conductance ~~(uS/cm)~~ mS/cm	0.192
Dissolved Oxygen (mg/L)	7.66
Dissolved Oxygen (% sat)	74.6
pH (S.U.)	4.28
Turbidity	4.4
ORP	783.0

Surface water sample collection: circle if collected: (FD) MS/MSD
Sample ID: CH.SWSD095-SW01
Sample Time: 0930
Type of Sample Grab / (Pump) / Other Peristaltic
Sample depth (inches): 0.75"
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: SVOC / Metals / Hardness
Sheen Yes / (No) Odor Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: (FD) MS/MSD
Sample ID: CH-SWSD095-SE01
Sample Time: 0935
Core penetration depth (inches): 6
RPD depth (inches): 6
Number of cores collected: 2 augers (auger)
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOC / Metals / TOC / Hg
Sheen Yes / (No) Odor (Yes) / No biological?
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
1.7 ppm
wet light brown fine to medium sand with dark brown silt

CH-SWSD095-SE01D

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD096

Date: 6/8/17
Time: 0840
Staff: MG

Loc ID	SWSD096-SW

Northing: _____
Easting: _____

Site Conditions
Water depth (ft): 0"
Flowing: Yes / (No)
Channel width (ft): _____
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: _____ Meter ID: _____

Water Quality Parameters: Middle of Water Column
Measurement Depth (ft): NA-dry
Temperature (deg. C)
Sp. Conductance (uS/cm)
Dissolved Oxygen (mg/L)
Dissolved Oxygen (% sat)
pH (S.U.)
Turbidity

Dry

Surface water sample collection: circle if collected: FD MS/MSD
Sample ID: NA-dry
Sample Time:
Type of Sample: Grab / Pump / Other
Sample depth (inches):
No. of samples collected:
No. of samples rejected: Rationale:
Analyses Collected:

Sheen: Yes / No Odor: Yes / No
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD096-SE01
Sample Time: 0845
Core penetration depth (inches): 10
RPD depth (inches): 10
Number of cores collected: 5
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg

Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.2ppm; 0-3 in wet very dark brown silt, 3-8 in wet very dark brown clay; 8-10 in very dark brown silt

6/8/17 flap gauge auger

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD097

Date: 6/8/17
Time: 0830
Staff: MG

Loc ID: ~~SWSD097~~ CH-SWSD097
Northing:
Easting:

Site Conditions
Water depth (ft): 0"
Flowing: Yes / (No)
Channel width (ft):
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: Meter ID:

Water Quality Parameters: Middle of Water Column
Measurement Depth (ft): NA-dry
Temperature (deg. C)
Sp. Conductance (uS/cm)
Dissolved Oxygen (mg/L)
Dissolved Oxygen (% sat)
pH (S.U.)
Turbidity

Dry

Surface water sample collection: circle if collected FD MS/MSD
Sample ID: NA-dry
Sample Time:
Type of Sample Grab / Pump / Other
Sample depth (inches):
No. of samples collected:
No. of samples rejected: Rationale:
Analyses Collected:

Sheen Yes / No Odor Yes / No
Notes (not covered in Habitat Form):

Sediment collection: circle if collected FD MS/MSD
Sample ID: CH-SWSD097-SE01
Sample Time: 0835
Core penetration depth (inches): 12
RPD depth (inches): 12
Number of cores collected: 5
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg

Sheen Yes / (No) Odor Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris biota):
0.4 ppm. 0-3 in wet black coarse sand to very fine gravel (coal +/or coal ash); 3-6 in wet gray clay; 6-9 wet very dark brown silt; 9-12 in wet gray clay

6/8/17 flap gauge auger

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD098

Date: 6/7/17
Time: 1642
Staff: A Weber

Loc ID: SWSD098-dup
Northing:
Easting:

Site Conditions
Water depth (ft): 0.5"
Flowing: Yes / No
Channel width (ft): 48"
Revetted Channel: Yes / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	0.25"
Temperature (deg. C)	15.22
Sp. Conductance (uS/cm)	0.155
Dissolved Oxygen (mg/L)	3.57
Dissolved Oxygen (% sat)	35.5
pH (S.U.)	5.96
Turbidity	66.1
ORP	79.3

Surface water sample collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD098-SW01
Sample Time: 1700
Type of Sample: Grab / Pump / Other Peristaltic
Sample depth (inches): 0.25"
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: ~~PCBs~~, Metals, SVOCs, Hardness
Sheen: Yes / No Odor: Yes / No
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD098-SE01
Sample Time: 0820
Core penetration depth (inches): 9
RPD depth (inches): 9
Number of cores collected: 5
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOC, TOC, Metals, Hg
Sheen: Yes / No Odor: Yes / No
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0-6 ppm; remove 3 in coarse gravel; 0-2 in wet fine to coarse dark brown sand; 2-4 in wet very dark brown silt; 4-6 in wet gray clay

note: coal / coal ash in removed 3 in gravel & 0-2 in sand

5/8/17 flip gauge auger

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD099

Date: 6/7/17
Time: 16:~~34~~20
Staff: MM

Loc ID: ~~SLSD-99~~ dup
Northing:
Easting:

Site Conditions
Water depth (ft): 1.5"
Flowing: Yes / (No)
Channel width (ft): 55"
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI (692O) Meter ID: 15E101897

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	0.75"
Temperature (deg. C)	14.04
Sp. Conductance (uS/cm)	0.1163
Dissolved Oxygen (mg/L)	4.23
Dissolved Oxygen (% sat)	40.6
pH (S.U.)	5.84
Turbidity	7.2
ORP	158.9

Surface water sample collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD099-SW01
Sample Time: 1625
Type of Sample: Grab / ~~Pump~~ / Other Perl.
Sample depth (inches): 0.75"
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: Metals, Hardness, SVOCs
Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: FD (MS/MSD)
Sample ID: CH-SWSD099-SE01
Sample Time: 1700
Core penetration depth (inches): 7
RPD depth (inches): 7
Number of cores collected: 10
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg
CH-SWSD099-SE01MS
CH-SWSD099-SE01MSD
flop gauge auger
Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.5 ppm; 0-3 in wet brown fine to coarse sand. 3-7 in wet alternating light brown & Very dark brown silty clay

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD100

Date: 6/7/17
Time: 1600
Staff: A Weber

Loc ID: ~~SWSD-100~~ CH-SWSD100
Northing:
Easting:

Site Conditions
Water depth (ft): 1"
Flowing: (Yes) / No
Channel width (ft): 32"
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	0.5"
Temperature (deg. C)	14.98
Sp. Conductance (uS/cm)	0.156
Dissolved Oxygen (mg/L)	4.98
Dissolved Oxygen (% sat)	49.4
pH (S.U.)	5.92
Turbidity	2.7
ORP	194.1

Surface water sample collection: circle if collected: (FD) MS/MSD
Sample ID: CH-SWSD100-SW01
Sample Time: 1610
Type of Sample: Grab / (Pump) / Other Peristaltic
Sample depth (inches): 0.5"
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: Cr, SVOCs, metals, hardness
Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD100-SE01
Sample Time: 1620
Core penetration depth (inches): 10
RPD depth (inches): 10
Number of cores collected: 6
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg, Cr, Geochem
Sheen: Yes / (No) Odor: Yes / (No)

flap gauge auger

Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.1 ppm; 0-4 in dark brown (wet) silt, 4-10 in wet light brown silty sand to light gray silty sand

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD 101

Date 6/11/17
Time 1413
Staff MM + RM

Loc ID ~~SWSD-101~~ dup
Northing
Easting

Site Conditions
Water depth (ft): 1"
Flowing: Yes / No
Channel width (ft): 46"
Revetted Channel: Yes / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920V2 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	0.5"
Temperature (deg. C)	19.65
Sp. Conductance (uS/cm)	0.163
Dissolved Oxygen (mg/L)	4.65
Dissolved Oxygen (% sat)	52.1
pH (S.U.)	6.96
Turbidity	8.3

Surface water sample collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD101-SW01
Sample Time: 1420
Type of Sample: Grab / Pump / Other
Sample depth (inches): 0.5
No. of samples collected: 1
No. of samples rejected: N/A Rationale:
Analyses Collected: SVOC | PAH | hardness

Sheen Yes / No Odor Yes / No
Notes (not covered in Habitat Form):
Minimal flow, clear Yellow tint, almost clear

Sediment collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD101-SE01
Sample Time: 1430
Core penetration depth (inches):
RPD depth (inches):
Number of cores collected:
Number of cores rejected: Rationale:
Analyses Collected: SVOC | PAH | TOC

Sheen Yes / No Odor Yes / No
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
PID=0.5 ppm
0-6" silt medium-soft, with f-m sand and organics, dark brown

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD102

Date: 6/1/17
Time: ~~1503~~ 1445
Staff: MM + RM

Loc ID: ~~SWSD-103~~ dem
Northing:
Easting:

Site Conditions
Water depth (ft): 6 4" 27
Flowing: (Yes) / No
Channel width (ft):
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 V2 Meter ID: 15F101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1"
Temperature (deg. C)	19.41
Sp. Conductance ~~(uS/cm)~~ mS/cm	0.163
Dissolved Oxygen (mg/L)	3.97
Dissolved Oxygen (% sat)	42.9
pH (S.U.)	6.41
Turbidity	6.2

Surface water sample collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD102-SW01
Sample Time: 15:00
Type of Sample: Grab / (Pump) / Other
Sample depth (inches): 1"
No. of samples collected: 1
No. of samples rejected: N/A Rationale:
Analyses Collected: SVOC | PAH | Hardness
Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD102-SE01
Sample Time: ~~1315~~ 1515
Core penetration depth (inches):
RPD depth (inches):
Number of cores collected:
Number of cores rejected: Rationale:
Analyses Collected: SVOC | PAH | TOC
Sheen: Yes / No Odor: Yes / No
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0-3" Sandy silt with organics, soft, dk brown
3-6" clayey silt, medium dense, trace f sand orange iron staining

↓ dup for 103

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD103

Date: 6/1/17
Time: 1515
Staff: MM + RM

Loc ID: ~~SWSD-103~~ dem
Northing:
Easting:

Site Conditions
Water depth (ft): 2"
Flowing: (Yes) / No
Channel width (ft): 49"
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1"
Temperature (deg. C)	19.94
Sp. Conductance ~~(uS/cm)~~ mS/cm	0.159
Dissolved Oxygen (mg/L)	4.55
Dissolved Oxygen (% sat)	49.0
pH (S.U.)	6.34
Turbidity	7.8

Surface water sample collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD103-SW01
Sample Time: 1530
Type of Sample: Grab / (Pump) / Other
Sample depth (inches): 1"
No. of samples collected: 1
No. of samples rejected: N/A Rationale:
Analyses Collected: SVOC, PAH, Hardness

Sheen Bio (Yes) / No Odor Yes / (No)
Notes (not covered in Habitat Form):
Biosheen; Orange Floc - Heavy upstream of sample pt.

Sediment collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD103-SE01
Sample Time: 1540
Core penetration depth (inches): 10"
RPD depth (inches): 8"
Number of cores collected: 5
Number of cores rejected: 0 Rationale:
Analyses Collected: SVOC, PAH, TOC

Sheen Yes / (No) Odor Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0-6" clayey silt, medium dense, trace f. sand. Orange iron staining.
PID = 0.6 ppm

desc for 102 =

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD104

Date: 6/1/17
Time: 1535
Staff: MM + RM

Loc ID: ~~SWSD-104~~ dup
Northing:
Easting:

Site Conditions
Water depth (ft): 2"
Flowing: ~~Yes~~ / No
Channel width (ft): 46"
Revetted Channel: Yes / (No)
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1"
Temperature (deg. C)	18.69
Sp. Conductance ~~(uS/cm)~~ MS/cm	0.152
Dissolved Oxygen (mg/L)	7.06
Dissolved Oxygen (% sat)	75.6
pH (S.U.)	6.33
Turbidity	6.5

Surface water sample collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD104-SW01
Sample Time: 1545
Type of Sample: Grab / (Pump) / Other
Sample depth (inches): 1"
No. of samples collected: 1
No. of samples rejected: N/A Rationale:
Analyses Collected: SVOC (DAIT) hardness
Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD104-SE01
Sample Time: @~~1515~~ 1550
Core penetration depth (inches): 8"
RPD depth (inches): 6"
Number of cores collected: 5
Number of cores rejected: 0 Rationale:
Analyses Collected: SVOC (DAIT) TOC
Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):

PID = 0.0
0-6" silt and organics, some F-M sand, organic odor, soft, wet

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD105

Date	6/1/17
Time	1604
Staff	MM + RM

Loc ID	~~SWSD-105~~ 2m
Northing	
Easting	

Site Conditions
Water depth (ft): 3/4" Flowing: (Yes) / No
Channel width (ft): 101" Revetted Channel: Yes / (No)
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	0.37"
Temperature (deg. C)	18.52
Sp. Conductance (uS/cm)	0.154
Dissolved Oxygen (mg/L)	6.91
Dissolved Oxygen (% sat)	73.7
pH (S.U.)	6.52
Turbidity	5.9

Surface water sample collection: circle if collected (FD) MS/MSD
Sample ID: CH-SWSD105-SW01
Sample Time: 1600
Type of Sample Grab / (Pump) / Other
Sample depth (inches): 0.37"
No. of samples collected: 1
No. of samples rejected: N/A Rationale:
Analyses Collected: SVOC / PAH / Hardness
Sheen Yes / (No) Odor Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected (FD) MS/MSD
Sample ID: CH-SWSD105-SE01
Sample Time: 1615
Core penetration depth (inches):
RPD depth (inches):
Number of cores collected:
Number of cores rejected: Rationale:
Analyses Collected: SVOC / PAH / TOC
Sheen Yes / No Odor Yes / No
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD106

Date	6-1-17
Time	1353
Staff	MM + RM

Loc ID: ~~SWSD-106~~ 2am
Northing:
Easting:

Site Conditions
Water depth (ft): 5.5"
Flowing: Yes / No
Channel width (ft): 84"
Revetted Channel: Yes / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 V2 Meter ID: 15 E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	2.75"
Temperature (deg. C)	18.06
Sp. Conductance (uS/cm)	0.149
Dissolved Oxygen (mg/L)	4.87
Dissolved Oxygen (% sat)	51.8
pH (S.U.)	6.23
Turbidity	3.9

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD106-SW01
Sample Time: 1400
Type of Sample: Grab / Pump / Other
Sample depth (inches): 2.75"
No. of samples collected: 1
No. of samples rejected: N/A Rationale:
Analyses Collected: SVOCs, PAH, Hardness
Sheen: Yes / No Odor: Yes / No
Notes (not covered in Habitat Form):
~~mildly cloudy~~ Yellow tint, low flow stream

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD106-SE01
Sample Time: 1415
Core penetration depth (inches):
RPD depth (inches):
Number of cores collected:
Number of cores rejected: Rationale:
Analyses Collected: SVOCs / PAH / TOC
Sheen: Yes / No Odor: Yes / No
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
PID = 1.1 0-6" silt med/lm-soft, with f-m sand mud organics dk brown

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SW080107

Date	08/01/17
Time	1315
Staff	MM + RM

Loc ID	~~SWSD 107~~ SW080107
Northing	
Easting	

Site Conditions
Water depth (ft): ~~3.75"~~ Flowing: (Yes) / No
Channel width (ft): ~~72"~~ Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	~~1.5"~~
Temperature (deg. C)	17.34
Sp. Conductance (~~uS/cm~~) mS/cm	0.151
Dissolved Oxygen (mg/L)	4.98
Dissolved Oxygen (% sat)	51.4
pH (S.U.)	6.26
Turbidity	3.8

Surface water sample collection: circle if collected FD MS/MSD
Sample ID: CH-SWSD107-SW01
Sample Time: 1345
Type of Sample Grab / (Pump) / Other
Sample depth (inches):
No. of samples collected: 1
No. of samples rejected: NA Rationale:
Analyses Collected: SVOC / Metals / Hardness

Sheen Yes / (No) Odor Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected FD MS/MSD
Sample ID: CH-SWSD107-SE01
Sample Time: 1350
Core penetration depth (inches): 8"
RPD depth (inches): 6"
Number of cores collected: 3
Number of cores rejected: 0 Rationale:
Analyses Collected: SVOC / Metals / TOC

Sheen Yes / (No) Odor Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
~~0-4" silty sand some silt, dark brown and organics~~ ~~silt and gravel~~
4"-6" f. gravel with f-c sand and little silt, dark brown
PID: 0.3 0-4" Silt, medium-soft, some organics, dark brown

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD108

Date: 6-1-17
Time: 1242
Staff: MM + RM

Loc ID: ~~SWSD108~~ CH-SWSD108
Northing:
Easting:

Site Conditions
Water depth (ft): 2"
Flowing: (Yes) / No
Channel width (ft): 81"
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 ~~650MDS~~ Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1"
Temperature (deg. C)	17.7
Sp. Conductance ~~(uS/cm)~~ mS/cm	0.155
Dissolved Oxygen (mg/L)	4.08
Dissolved Oxygen (% sat)	42.3
pH (S.U.)	6.26
Turbidity	5.9

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD108-SW01
Sample Time: 1300
Type of Sample: Grab / (Pump) / Other
Sample depth (inches): 1"
No. of samples collected: 1
No. of samples rejected: N/A Rationale:
Analyses Collected: ~~Mercury~~ SVOCs / metals / hardness
Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD108-SE01
Sample Time: 1330
Core penetration depth (inches): ~~10~~ 8"
RPD depth (inches): 6"
Number of cores collected: 5
Number of cores rejected: 0 Rationale:
Analyses Collected: SVOCs / metals / TOC
Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
PID=0.3 ppm 0-6" silt, medium-soft, some organics, dark brown

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD109

Date 06/01/17
Time 11:00
Staff MM + RM

Loc ID ~~SWSD-109-0m~~
Northing
Easting

Site Conditions
Water depth (ft): 1.5 in. Flowing: (Yes) / No
Channel width (ft): 120 in. Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	0.75"
Temperature (deg. C)	16.08
Sp. Conductance (~~uS/cm~~) mS/cm	0.151
Dissolved Oxygen (mg/L)	~~5.52~~ 5.67
Dissolved Oxygen (% sat)	~~57.0~~ 57.8
pH (S.U.)	6.34
Turbidity	12.2

Surface water sample collection: circle if collected FD MS/MSD
Sample ID: CH-SWSD0109-SW01
Sample Time: 1215
Type of Sample Grab / (Pump) / Other
Sample depth (inches): 0.75"
No. of samples collected: 1
No. of samples rejected: N/A Rationale:
Analyses Collected: SVOCs, Metals, Hardness

Sheen Yes / (No) Odor Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected FD MS/MSD
Sample ID: CH-SWSD109-SE01
Sample Time: 1240
Core penetration depth (inches): 10"
RPD depth (inches): 8"
Number of cores collected: 1
Number of cores rejected: N/A Rationale:
Analyses Collected: SVOCs, Metals, TOC

Sheen Yes / (No) Odor Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
SN 592919032 miniRAE 3000 PID: 0.5 ppm
0-6" silt, medium-soft, some organics, dark brown

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD110

Date 06/08/17
Time 11:00
Staff RM + MM

Loc ID ~~SWSD-110~~ CH-SWSD110
Northing
Easting

Site Conditions
Water depth (ft): 1.2"
Channel width (ft): 122"
Flowing: Yes / No
Revetted Channel: Yes / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI Meter ID: 15E101087 PID SN5929193

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1"
Temperature (deg. C)	16.13
Sp. Conductance ~~(uS/cm)~~ mS/cm	0.159
Dissolved Oxygen (mg/L)	5.10 4.84
Dissolved Oxygen (% sat)	49.2 49.2
pH (S.U.)	6.31
Turbidity	8.1

Surface water sample collection:
circle if collected: FD MS/MSD
Sample ID: CH-SWSD110-SW01
Sample Time: 11:30
Type of Sample: Grab / Pump / Other
Sample depth (inches): 1"
No. of samples collected: 1
No. of samples rejected: N/A Rationale:
Analyses Collected: SVOCs / Metals / Cr6+ / Hardness
Sheen: Yes / No Odor: Yes / No
Notes (not covered in Habitat Form):

Sediment collection:
circle if collected: FD MS/MSD
Sample ID: CH-SWSD110-SE01
Sample Time: 12:40
Core penetration depth (inches): 10"
RPD depth (inches): 10"
Number of cores collected: 3
Number of cores rejected: 0 Rationale:
Analyses Collected: SVOCs / Metals / Cr6+ / Inorganics / TOC
Sheen: Yes / No Odor: Yes / No
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):

PID: 0.6 ppm
0-6" ~~silty fine sand and debris~~ Silt, medium-soft, some organics, dark Brown

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date: 06/10/17
Time: 1015
Staff: JSchroeder, M.Glinski, A. Borden

Loc ID	CH-SWSD111
Northing	
Easting	

Site Conditions
Water depth (ft): NA
Channel width (ft): NA
Flowing: Yes / No
Revetted Channel: Yes / No
Notes (not covered in Habitat Form):

Dry – no surface water collected

Field Data Meter Type: _____ Meter ID: _____

Water Quality Parameters: Middle of Water Column
Measurement Depth (ft)
Temperature (deg. C)
Sp. Conductance (uS/cm)
Dissolved Oxygen (mg/L)
Dissolved Oxygen (% sat)
pH (S.U.)
Turbidity
ORP

NA

Surface water sample collection: circle if collected FD MS/MSD
Sample ID: ~~CH-SWSD111-SW01~~ 6/10/17
Sample Time:
Type of Sample Grab / Pump / Other
Sample depth (inches):
No. of samples collected:
No. of samples rejected: Rationale:
Analyses Collected: ~~SVOCs, metals, hardness~~ NA

Sheen Yes / No Odor Yes / No
Notes (not covered in Habitat Form):

Sediment collection: circle if collected FD MS/MSD
Sample ID: CH-SWSD111-SE01
Sample Time: 1020
Core penetration depth (inches): 12
RPD depth (inches): 12
Number of cores collected: 4
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg

flap gauge auger

Sheen Yes / (No) Odor Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):

0.2 ppm; wet dark brown silt with fine sand

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date: 6/3/17
Time: 1310
Staff: BM, RB, AB

Loc ID: CH-SWSD112
Northing:
Easting:

Site Conditions
Water depth (ft): 1"
Flowing: (Yes) / No
Channel width (ft): 23.0"
Revetted Channel: Yes / (No)
Notes (not covered in Habitat Form):

Field Data Meter Type: 560 MPS / 6920 Meter ID: 15K100356

Resampled on 6/6/17

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	0.5
Temperature (deg. C)	15.07
Sp. Conductance (uS/cm)	0.148
Dissolved Oxygen (mg/L)	4.56
Dissolved Oxygen (% sat)	45.3
pH (S.U.)	6.06
Turbidity	10.7
ORP	167.3

Surface water sample collection: (circle if collected: FD, MS/MSD)
Sample ID: CH-SWSD112-SW01
Sample Time: 1320
Type of Sample: Grab / (Pump) / Other peristaltic
Sample depth (inches): 0.5
No. of samples collected: 1
No. of samples rejected: 0 Rationale: NA
Analyses Collected: SVOCs, metals, hardness
Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: (circle if collected: FD, MS/MSD)
Sample ID: CH-SWSD112-SE01
Sample Time: 1420
Core penetration depth (inches): 8
RPD depth (inches): 6
Number of cores collected: 5
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg
Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.7 ppm
wet dark brown organic silt

flap gauge auger

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD112

Date	6-6-17
Time	1540
Staff	Robert Burns

Loc ID	~~SWSD-112~~ dup
Northing	
Easting	

Site Conditions
Water depth (ft): 1" Flowing: (Yes) / No
Channel width (ft): 25' Revetted Channel: Yes / (No)
Notes (not covered in Habitat Form):

Resample Corg. sample 6/3/17 - bottleneck breakage)

Field Data Meter Type: YSI 6920 Meter ID: 15E10087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	0.5"
Temperature (deg. C)	12.93
Sp. Conductance (mS/cm)	0.159
Dissolved Oxygen (mg/L)	3.56
Dissolved Oxygen (% sat)	33.7
pH (S.U.)	6.04
Turbidity	8.5
ORP	~~78~~ 79.0

Surface water sample collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD 112-SW01
Sample Time: 1600
Type of Sample: Grab / (Pump) / Other
Sample depth (inches): 0.5"
No. of samples collected: 1
No. of samples rejected: NA Rationale: NA
Analyses Collected: metals, SVOC, Hardness
Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: FD MS/MSD
Sample ID: NA (see org. sample form)
Sample Time:
Core penetration depth (inches):
RPD depth (inches):
Number of cores collected:
Number of cores rejected: Rationale:
Analyses Collected:
Sheen: Yes / No Odor: Yes / No
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date: 6/3/17
Time: 1255
Staff: BM, BB, AB

Loc ID: CH-SWSD113
Northing:
Easting:

Site Conditions
Water depth (ft): 3"
Channel width (ft): 16"
Flowing: (Yes) / No
Revetted Channel: Yes (No)
Notes (not covered in Habitat Form):

Field Data Meter Type: 650MPS/6920 Meter ID: 15K100356

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1.5
Temperature (deg. C)	14.96
Sp. Conductance (uS/cm)	0.146
Dissolved Oxygen (mg/L)	5.80
Dissolved Oxygen (% sat)	57.2
pH (S.U.)	6.98
Turbidity	6.3
ORP	185

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD113-SW01
Sample Time: 1300
Type of Sample: Grab (Pump) Other peristaltic
Sample depth (inches): 1.5
No. of samples collected: 1
No. of samples rejected: 0 Rationale: NA
Analyses Collected: SVOCs, metals, hardness
Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD113-SE01
Sample Time: 1440
Core penetration depth (inches): 4
RPD depth (inches): 4
Number of cores collected: 14 scoops
Number of cores rejected: 2 Rationale: poor recovery
Analyses Collected: SVOCs, TOC, Metals, Hg
Sheen: Yes / (No) Odor: Yes / (No)

disposable poly scoop

Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.3 ppm
0-1 in wet dark brown organic silt
1-4 wet light brown sand w/clay

ield Duplicate
SD – Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date: 6/3/17
Time: 1230
Staff: BM, RB, MB

Loc ID: CH-SWSD114
Northing:
Easting:

Site Conditions
Water depth (ft): 3"
Flowing: (Yes) / No
Channel width (ft): 52"
Revetted Channel: Yes / (No)
Notes (not covered in Habitat Form):

Very low flow

Field Data Meter Type: 650 MPS/6920 Meter ID: 15K100356

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1.5
Temperature (deg. C)	14.61
Sp. Conductance (uS/cm)	0.145
Dissolved Oxygen (mg/L)	5.13
Dissolved Oxygen (% sat)	50.3
pH (S.U.)	5.95
Turbidity	10.1
ORP	190.9

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD114-SW01
Sample Time: 1220
Type of Sample: Grab (Pump) / Other: peristaltic
Sample depth (inches): 1.5
No. of samples collected: 1
No. of samples rejected: 0 Rationale: NA
Analyses Collected: SVOCs, metals, hardness
Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD114-SE01
Sample Time: 1505
Core penetration depth (inches): 6
RPD depth (inches): 6
Number of cores collected: 2
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg
Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture, color, layering, entrained debris, biota):

auger

0.8 ppm
0-1 in wet dark brown organic silt
1-6 in wet light brown sand with clay

ield Duplicate
SD – Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date: 6/3/17
Time: BB, BM, AB
Staff: 1166

Loc ID: CH-SWSD115
Northing:
Easting:

Site Conditions
Water depth (ft): 3.5
Channel width (ft): 78
Flowing: (Yes) / No
Revetted Channel: Yes / (No)
Notes (not covered in Habitat Form):

Field Data Meter Type: 650 MPS/6920 Meter ID: 15K100355

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1.75
Temperature (deg. C)	14.33
Sp. Conductance (uS/cm)	0.145
Dissolved Oxygen (mg/L)	6.36
Dissolved Oxygen (% sat)	62.0
pH (S.U.)	6.13
Turbidity	17.9
ORP	199.5

Surface water sample collection: circle if collected: (FD) MS/MSD
Sample ID: CH-SWSD115-SW01
Sample Time: 1155
Type of Sample: Grab / (Pump) / Other peristaltic
Sample depth (inches): 1.75
No. of samples collected: 1
No. of samples rejected: 0 Rationale: NA
Analyses Collected: SVOCs, metals, hardness
Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: (FD) MS/MSD
Sample ID: CH-SWSD115-SE01
Sample Time: 1545
Core penetration depth (inches): 6
RPD depth (inches): 6
Number of cores collected: 2
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg
Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota).
10.4 ppm; 0-6 in wet light brown fine sand w/trace clay

auger
6/6/17

CH-SWSD115-SE01D
6/6/17

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date: 6/3/17
Time: 1430
Staff: BM, BS, AB

Loc ID: CH-SWSD116
Northing:
Easting:

Site Conditions
Water depth ~~(ft)~~: 0.5"
Channel width ~~(ft)~~: 14"
Flowing: (Yes) / No
Revetted Channel: Yes (No)
Notes (not covered in Habitat Form):

Field Data Meter Type: 650 MDS/6920 Meter ID: 15K100356

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	0.25
Temperature (deg. C)	16.33
Sp. Conductance ~~(uS/cm)~~ mS	0.283
Dissolved Oxygen (mg/L)	4.13
Dissolved Oxygen (% sat)	41.8
pH (S.U.)	6.67
Turbidity	208.1 ↓ D
ORP	40.6

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD116
Sample Time: ~~1400~~ 1445
Type of Sample: Grab / (Pump) / Other peristaltic
Sample depth (inches): 0.25
No. of samples collected: 1
No. of samples rejected: 0 Rationale: NA
Analyses Collected: SVOCs, metals, hardness
Sheen (Yes) / No Odor Yes / (No)
Notes (not covered in Habitat Form):
organic sheen

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD116-SE01
Sample Time: 0850
Core penetration depth (inches): 8
RPD depth (inches): 8
Number of cores collected: 5
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg
Sheen Yes / (No) Odor Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.3 ppm. 0-1 in wet leafy/organic matter. 1-8 in wet light to medium brown sand with some silt

6/7/17 flap gauge auger

6/7/17

no sheen on sediment, but sheen (organic?) on water
water is orange

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date: 6/3/17
Time: 1410
Staff: BM, BB, AB

Loc ID: CH-SWSD117
Northing:
Easting:

Site Conditions
Water depth (ft): 1"
Channel width (ft): 12"
Flowing: Yes / No
Revetted Channel: Yes / No
Notes (not covered in Habitat Form):

Field Data Meter Type: 650MDS/6920 Meter ID: 15K100356

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	0.5
Temperature (deg C)	15.06
Sp. Conductance (uS/cm)	0.162
Dissolved Oxygen (mg/L)	3.36
Dissolved Oxygen (% sat)	33.2
pH (S.U.)	6.34
Turbidity	21.6
ORP	77.6

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD117-SW01
Sample Time: 1405
Type of Sample: Grab / Pump / Other peristaltic
Sample depth (inches): 0.5
No. of samples collected: 1
No. of samples rejected: 0 Rationale: NA
Analyses Collected: SVOCs, metals, hardness
Sheen: Yes / No Odor: Yes / No
Notes (not covered in Habitat Form):
organic sheen

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD117-SE01
Sample Time: 0835
Core penetration depth (inches): 6
RPD depth (inches): 6
Number of cores collected: 6
Number of cores rejected: 1 Rationale: poor recovery
Analyses Collected: SVOCs, TOC, Metals, Hg
Sheen: Yes / No Odor: Yes / No
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.4 ppm; 0-1 in wet leafy & organic matter; 1-6 in wet light to medium brown fine to medium sand with trace silt

note that water is orange

6/7/17 flap gauge auger

6/3/17

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date: 6/3/17
Time: 1350
Staff: BM, BB, AB

Loc ID: CH-SWSD118
Northing:
Easting:

Site Conditions
Water depth (ft): 1 Flowing: Yes / (No)
Channel width (ft): 32 Revetted Channel: Yes (No)
Notes (not covered in Habitat Form):

Field Data Meter Type: 650MDS/6920 Meter ID: 15K100356

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	0.5
Temperature (deg. C) mS	15.17
Sp. Conductance (~~uS~~/cm)	0.145
Dissolved Oxygen (mg/L)	6.51
Dissolved Oxygen (% sat)	64.7
pH (S.U.)	6.38
Turbidity	64.5
ORP	185.6

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD118-SW01
Sample Time: 1355
Type of Sample: Grab / (Pump) / Other: peristaltic
Sample depth (inches): 0.5
No. of samples collected: 1
No. of samples rejected: 0 Rationale: NA
Analyses Collected: SVOCs, metals, hardness
Sheen: (Yes) / ~~No~~ Odor: Yes / (No)
Notes (not covered in Habitat Form):
organic sheen

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD118-SE01
Sample Time: 0825
Core penetration depth (inches): 8
RPD depth (inches): 8
Number of cores collected: 4
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg
Sheen: Yes (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.7 ppm; 0-1 in wet leafy & organic matter; 1-8 in wet light to medium brown fine to medium sand with trace silt

6/7/17 Hand auger gauge

6/7/17

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date: 6/3/17
Time: 1135
Staff: BM, BB, AB

Loc ID: CH-SWSD119
Northing:
Easting:

Site Conditions
Water depth (ft): 3"
Channel width (ft): 32"
Flowing: (Yes) / No
Revetted Channel: Yes (No)
Notes (not covered in Habitat Form):

Field Data Meter Type: 650MPS/6920 Meter ID: 15K100365

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1.5
Temperature (deg. C)	14.68
Sp. Conductance (uS/cm)	0.143
Dissolved Oxygen (mg/L)	8.26
Dissolved Oxygen (% sat)	81.3
pH (S.U.)	6.23
Turbidity	4.0
ORP	192.6

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD119-SW01
Sample Time: 1145
Type of Sample: Grab / (Pump) / Other peristaltic
Sample depth (inches): 1.5
No. of samples collected: 1
No. of samples rejected: 0 Rationale: NA
Analyses Collected: SVOCs, metals, hardness
Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD119-SE01
Sample Time: 1605
Core penetration depth (inches): 6
PID depth (inches): 6
Number of cores collected: 3
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Mercury, Hg
Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering entrained debris, biota):
8.2 ppm; 0-6 in wet light brown clayey f-c sand with trace f-c gravel

6/6/17 auger 6/6/17

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date: 6/3/17
Time: 1042
Staff: BM, RB, AB

Loc ID: CH-SWSD120
Northing:
Easting:

Site Conditions
Water depth (ft): 2"
Channel width (ft): 65'
Flowing: Yes / No
Revetted Channel: Yes / No
Notes (not covered in Habitat Form):

Field Data Meter Type: 650 MPS/6920 Meter ID: 15K100356

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1
Temperature (deg. C)	14.19
Sp. Conductance (uS/cm)	0.143
Dissolved Oxygen (mg/L)	6.97
Dissolved Oxygen (% sat)	67.9
pH (S.U.)	6.20
Turbidity	3.6
ORP	224.6

Surface water sample collection:
Sample ID: CH-SWSD120-SW01 (circle if collected: FD MS/MSD)
Sample Time: 1045
Type of Sample: Grab (Pump) Other peristaltic
Sample depth (inches): 1
No. of samples collected: 1
No. of samples rejected: 0 Rationale: NA
Analyses Collected: SVOCs, metals, hardness, Cr6+
Sheen Yes / No Odor Yes / No
Notes (not covered in Habitat Form):

Sediment collection:
Sample ID: CH-SWSD120-SE01 (circle if collected: FD MS/MSD)
Sample Time: 1620
Core penetration depth (inches): 6
RPD depth (inches): 6
Number of cores collected: 4
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg, Cr
Sheen (Yes) / No Odor (Yes) / No petroleum odor
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
62.1 ppm - wet dark brown silt (high organic matter) & light brown fine sand

oily sheen on water surface after sediment disturbed

6/6/17 auger 6/6/17

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date: 6/3/17
Time: 1020
Staff: BM, RB, AB

Loc ID: CH-SWSD121
Northing:
Easting:

Site Conditions
Water depth (ft): 3.5
Channel width (ft): 65
Flowing: (Yes) / No
Revetted Channel: Yes (No)
Notes (not covered in Habitat Form):

Field Data Meter Type: 650 MDS/6920 Meter ID: 15K100356

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1.70
Temperature (deg. C)	13.95
Sp. Conductance (uS/cm)	0.158
Dissolved Oxygen (mg/L)	7.82
Dissolved Oxygen (% sat)	74.4
pH (S.U.)	2.5
Turbidity	6.51
ORP	190.2

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD121-SW01
Sample Time: 1030
Type of Sample: Grab / (Pump) / Other peristaltic
Sample depth (inches): 1.70
No. of samples collected: 1
No. of samples rejected: 0 Rationale: NA
Analyses Collected: SVOCs, metals, hardness
Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD121-SE01
Sample Time: 1630
Core penetration depth (inches): 6
RPD depth (inches): 6
Number of cores collected: 2
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg
Sheen: Yes / (No) Odor: (Yes) No faint petrolum odor
Notes and material description (include sediment type, texture color, layering, entrained debris biota):
35.1 ppm; wet dark brown sand with silt

6/6/17 auger 6/6/17

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date: 6/3/17
Time: 1000
Staff: BM, RB, AB

Loc ID: CH-SWSD122
Northing:
Easting:

Site Conditions
Water depth (ft): 1.75 ft
Channel width (ft): 22 ft
Flowing: (Yes) / No
Revetted Channel: Yes / (No)
Notes (not covered in Habitat Form):

Field Data Meter Type: 650 MDS/6920 Meter ID: 15K100356

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	0.80
Temperature (deg. C)	13.88
Sp. Conductance (uS/cm)	0.156
Dissolved Oxygen (mg/L)	7.25
Dissolved Oxygen (% sat)	70.3
pH (S.U.)	6.52
Turbidity	5.5
ORP	160.2

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD122-SW01
Sample Time: 1005
Type of Sample: Grab / (Pump) / Other peristaltic
Sample depth (inches): 0.80
No. of samples collected: 1
No. of samples rejected: 0 Rationale: NA
Analyses Collected: SVOC, metals, hardness
Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD122-SE01
Sample Time: 1635
Core penetration depth (inches): 6
RPD depth (inches): 6
Number of cores collected: 3
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg
Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture, color, layering, entrained debris, biota):
21.3 ppm 0-2 wet leafy & organic matter and silt;
2-6 in wet light brown fine to medium sand

6/6/17 auger

6/6/17

ield Duplicate
SD = Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date: 6/2/17
Time: 0937
Staff: BM, RB, AB

Loc ID: CH-SWSD123
Northing:
Easting:

Site Conditions
Water depth (ft): 2.5'
Flowing: (Yes) / No
Channel width (ft): 18'
Revetted Channel: Yes / (No)
Notes (not covered in Habitat Form):

Field Data Meter Type: 650MDS/6920 Meter ID: 15K100356

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1.25
Temperature (deg. C)	13.68
Sp. Conductance (uS/cm)	0.155
Dissolved Oxygen (mg/L)	7.18
Dissolved Oxygen (% sat)	69.2
pH (S.U.)	6.50
Turbidity	5.3
ORP	143.1

Surface water sample collection: circle if collected: FD / (MS/MSD)
Sample ID: CH-SWSD123-SW01
Sample Time: 0940
Type of Sample: Grab / (Pump) / Other peristaltic
Sample depth (inches): 1.25
No. of samples collected: 1
No. of samples rejected: 0 Rationale: NA
Analyses Collected: SVOCs, metals, hardness
Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: FD / MS/MSD
Sample ID: CH-SWSD123-SE01
Sample Time: 1645
Core penetration depth (inches): 6
RPD depth (inches): 6
Number of cores collected: 2
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOC, TOC, Metals, Hg
Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
26.2 ppm; wet dark brown sandy silt to silty sand (fine sands)

6/6/17 auger

6/6/17

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date: 6/2/17
Time: 0918
Staff: BM, RB, AB

Loc ID: CH-SWSD124
Northing:
Easting:

Site Conditions
Water depth (ft): 4"
Channel width (ft): 46"
Flowing: (Yes) / No
Revetted Channel: Yes / (No)
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 650 MDS/6920 Meter ID: 15K100356

Water Quality Parameters	Middle of Water Column
Measurement Depth (ft)	2
Temperature (deg C) mS	13.53
Sp. Conductance (~~uS~~/cm)	0.154
Dissolved Oxygen (mg/L)	7.49
Dissolved Oxygen (% sat)	71.7
pH (S.U.)	6.52
Turbidity	5.4
ORP	172.6

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD124-SW01
Sample Time: 0925
Type of Sample: Grab / (Pump) / Other peristaltic
Sample depth (inches): 2
No. of samples collected: 1
No. of samples rejected: 0 Rationale: NA
Analyses Collected: SVOCs, metals, hardness
Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD124-SE01
Sample Time: 1650
Core penetration depth (inches): 6
RPD depth (inches): 6
Number of cores collected: 3
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg
auger
Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture, color, layering, entrained debris, biota):
10.3 ppm; 0-2 in wet leafy + organic matter and dark brown silt; 2-6 in wet brown sand w/ silt (fine sand)

6/6/17

6/6/17

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date: 6/2/17
Time: 0900
Staff: BM, RB, AB

Loc ID: CH-SWSD125
Northing:
Easting:

Site Conditions
Water depth (ft): 2.5"
Flowing: (Yes) / No
Channel width (ft): 15"
Revetted Channel: Yes / (No)
Notes (not covered in Habitat Form):
sandy bottom, brownish algae

Field Data Meter Type: 650 MDS/6920 Meter ID: 15K100396

Water Quality Parameters	Middle of Water Column
Measurement Depth (ft)	1.25
Temperature (deg. C) MS	13.91
Sp. Conductance (~~uS~~/cm)	0.154
Dissolved Oxygen (mg/L)	8.45
Dissolved Oxygen (% sat)	81.9
pH (S.U.)	6.70
Turbidity	3.4
ORP	187.7

Surface water sample collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD125-SW01
Sample Time: 0910
Type of Sample: Grab / (Pump) / Other: peristaltic
Sample depth (inches): 1.25
No. of samples collected: 1
No. of samples rejected: 0 Rationale: NA
Analyses Collected: SVOCs, metals, hardness

Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: FD (MS/MSD)
Sample ID: CH-SWSD125-SE01
Sample Time: 1710
Core penetration depth (inches): 6
RPD depth (inches): 6
Number of cores collected: 4
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg

Sheen: Yes / (No) Odor: (Yes) / No
Notes and material description (include sediment type, texture, color, layering, entrained debris, biota):
21.8 ppm; ~~light~~ 2½ 6/6/17 wet light brown fine sand with trace silt

6/6/17 auger

6/6/17

ield Duplicate
SD – Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

Date: 06-07-17
Time: 1331
Staff: A. Webber

Loc ID: CH-SWSD126 ~~-SW01~~ SD
Northing:
Easting:

Site Conditions
Water depth (ft): 1.0 inches Flowing: Yes / (No)
Channel width (ft): 22-inches Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 5E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	0.5
Temperature (deg. C)	15.47
Sp. Conductance (MS/cm)	0.193
Dissolved Oxygen (mg/L)	3.53
Dissolved Oxygen (% sat)	35.5
pH (S.U.)	3.77
Turbidity	0.1
ORP	226.5

Surface water sample collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD126-SW01
Sample Time: 1330
Type of Sample: Grab / (Pump) / Other Peristaltic
Sample depth (inches):
No. of samples collected: 1
No. of samples rejected: NA Rationale: NA
Analyses Collected: SVOC, PCB, Metals, hardness
Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: (FD) MS/MSD
Sample ID: CH-SWSD126-SE01 CH-SWSD126-SE01D
Sample Time: 1350
Core penetration depth (inches): 12
RPD depth (inches): 12
Number of cores collected: 11
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg, PCBs
Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
1.2 ppm; remove 2 inches leafy material; 0-3 in wet dark brown silt; 3-9 in wet very dark brown ~~to almost black~~ silty clay

Plug gauge auger

gs 6/7/17

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD127

Date	06-07-17
Time	1305
Staff	A Weber

Loc ID: ~~CH-SW-SD-127-SW01~~ am
Northing:
Easting:

Site Conditions
Water depth (ft): 1.5 inches Flowing: Yes / (No)
Channel width (ft): 19.75 inches Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 5E 101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	0.75
Temperature (deg. C)	15.21
Sp. Conductance (uS/cm)	0.205
Dissolved Oxygen (mg/L)	3.88
Dissolved Oxygen (% sat)	38.7
pH (S.U.)	83.66
Turbidity	0.0
ORP	257.9

19.3/4 inches
1.5
~~8~~-inches

Surface water sample collection: circle if collected: FD MS/MSD

Sample ID:	CH-SWSD-127-SW01
Sample Time:	~~1320~~ 1315
Type of Sample	Grab / (Pump) / Other Peristaltic
Sample depth (inches):	~~0.75~~ 0.75
No. of samples collected:	1
No. of samples rejected:	NA Rationale: NA
Analyses Collected:	SVOC, PCB, Metal, Hardness

Sheen Yes / (No) Odor Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: FD MS/MSD

Sample ID:	CH-SWSD127-SE01
Sample Time:	~~1335~~ 1340
Core penetration depth (inches):	12
RPD depth (inches):	12
Number of cores collected:	6
Number of cores rejected:	0 Rationale: NA
Analyses Collected:	SVOCs, TOC, Metals, Hg, PCBs

flap gauge auger

Sheen Yes / (No) Odor Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
1.3 ppm; remove 1in leaves/roots; 0-3 in wet dark brown silt; 3-9 in wet very dark brown silty clay

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD128

Date 6-7-17
Time 1256
Staff A Weber

Loc ID ~~SWSD-128~~ CH-SWSD128
Northing
Easting

Site Conditions
Water depth ~~(ft)~~: 1.75"
Channel width ~~(ft)~~: 25.5"
Flowing: Yes / (No)
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 5E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	0.86"
Temperature (deg. C)	14.30
Sp. Conductance ~~(uS)~~/cm)	0.214
Dissolved Oxygen (mg/L)	39.4
Dissolved Oxygen (% sat)	4.04
pH (S.U.)	3.65
Turbidity	0.6
ORP	240.4

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD128-SW01
Sample Time: 1300
Type of Sample Grab / (Pump) / Other Peristaltic
Sample depth (inches): ~~1~~ 0.86
No. of samples collected: 1
No. of samples rejected: NA Rationale:
Analyses Collected: SVOC, PCB, Metals, Hardness.

Sheen Yes / (No) Odor Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD128-SE01
Sample Time: 1330
Core penetration depth (inches): 12
RPD depth (inches): 12
Number of cores collected: 5
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, Toc, Metals, Hg, PCBs

flap gauge auger

Sheen Yes / (No) Odor Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
1.6ppm; ~~0=gel~~ 6/7/17 remove lin leafy, woody material; 0-4 in wet dark brown silt; 4-12 in wet very dark brown silty clay

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD129

Date 7/7/17
Time 1145
Staff AWeber

Loc ID ~~SWSD-129~~ CH-SWSD129
Northing
Easting

Site Conditions
Water depth ~~(ft)~~: 3"
Channel width ~~(ft)~~: 24.5"
Flowing: Yes / (No)
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1.5'
Temperature (deg. C)	14.50
Sp. Conductance (~~µ~~S/cm)	0.213
Dissolved Oxygen (mg/L)	3.99
Dissolved Oxygen (% sat)	38.7
pH (S.U.)	3.62
Turbidity	2.0
ORP	270.2

Surface water sample collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD129-SW01D
Sample Time: 1155
Type of Sample Grab / (Pump) / Other Peristaltic
Sample depth (inches): 1.5
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: SVOCs, metals, hardness, PCBs
Sheen Yes / (No) Odor Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD129-SE01
Sample Time: 1315
Core penetration depth (inches): 12
RPD depth (inches): 12
Number of cores collected: 5
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg, PCBs
Sheen Yes / (No) Odor (Yes) / No
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
2.1 ppm; 0-6 in wet dark brown silt; 6-12 wet very dark brown clayey silt

flap gauge auger

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD130

Date: 6/7/17
Time: 11:35
Staff: A Weber

Loc ID: ~~SWSD 130~~ CH-SWSD130
Northing:
Easting:

Site Conditions
Water depth (~~ft~~): 3"
Channel width (~~ft~~): 24.5"
Flowing: Yes / (No)
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E 101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1.5"
Temperature (deg. C)	13.56
Sp. Conductance (mS/cm)	0.207
Dissolved Oxygen (mg/L)	3.19
Dissolved Oxygen (% sat)	30.7
pH (S.U.)	3.61
Turbidity	1.0
ORP	248.2

Surface water sample collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD130-SW01
Sample Time: 1145
Type of Sample: Grab / (Pump) / Other peristaltic
Sample depth (inches): 1.5
No. of samples collected: 1
No. of samples rejected: NA Rationale: NA
Analyses Collected: SVOCs, metals, hardness, PCBs
Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD130-SE01
Sample Time: 1310
Core penetration depth (inches): 12
RPD depth (inches): 12
Number of cores collected: 8
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, Metals, Hg, TOC, PCBs, Cr, Geochem
Sheen: Yes / (No) Odor: (Yes) / No
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
3.0 ppm; remove 1 in roots; 0-9 in wet dark brown silt; 9-12 wet very dark brown clayey silt

Hop gauge auger

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD131

Date 6/7/17
Time 1113
Staff AWebber

Loc ID ~~SwSD-131~~ SWSD131
Northing
Easting

Site Conditions
Water depth (ft): 4 - inches Flowing: Yes / (No)
Channel width (ft): 24.5 inches Revetted Channel: (Yes) No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	
Temperature (deg. C)	13.53
Sp. Conductance (mS/cm)	0.205
Dissolved Oxygen (mg/L)	2.79
Dissolved Oxygen (% sat)	26.8
pH (S.U.)	3.62
Turbidity	0.9
ORP	247.8

24.5 inches
4 inches

Surface water sample collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD131-SW01
Sample Time: 1130
Type of Sample Grab / (Pump) / Other Peristaltic
Sample depth (inches): 2 - inches
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: SVOCs, Metals, hardness, PCBs
Sheen Yes / (No) Odor Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: FD (MS/MSD)
Sample ID: CH-SWSD131-SE01
Sample Time: 1250
Core penetration depth (inches): 12
RPD depth (inches): 12
Number of cores collected: 12
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg, PCBs
Sheen Yes / (No) Odor Yes / (No)

CH-SWSD131-SE01MS
CH-SWSD131-SE01MSD

flap gauge auger

Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
2.1 ppm: remove 2 in wet leafy & woody material; 0-7 in wet dark brown silt; 7-12 in wet very dark brown clayey silt

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD132

Date: 6/7/17
Time:
Staff: A Weber

Loc ID: ~~SWSD-132~~ sm
Northing:
Easting:

Site Conditions
Water depth ~~(ft)~~: 4"
Flowing: Yes / (No)
Channel width ~~(ft)~~: 25.5"
Revetted Channel: (Yes) No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	2"
Temperature (deg. C)	13.16
Sp. Conductance (~~uS/cm~~) mS/cm	0.205
Dissolved Oxygen (mg/L)	3.13
Dissolved Oxygen (% sat)	29.9
pH (S.U.)	3.61
Turbidity	1.0
ORP	259.4

Surface water sample collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD132-SW01
Sample Time: 1100
Type of Sample: Grab / (Pump) / Other: Peristaltic
Sample depth (inches): 2"
No. of samples collected: 1
No. of samples rejected: 0 Rationale: NA
Analyses Collected: PCB, Hardness, Metals, SVOCs

Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD132-SE01
Sample Time: 1155
Core penetration depth (inches): 12
RPD depth (inches): 12
Number of cores collected: 5
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg, PCBs

flap gauge auger

Sheen: Yes / (No) Odor: (Yes) / No
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
6.2 ppm; remove 1 in wet leafy material; 0-8 wet dark brown silt with trace fine sand; 8-12 in wet very dark brown clayey silt

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD133

Date 6/7/17
Time 1035
Staff A Weaver

Loc ID ~~SWSD-~~133 am
Northing
Easting

Site Conditions
Water depth (ft): 2.75 inches Flowing: Yes (No)
Channel width (ft): 26.25 inches Revetted Channel: (Yes) No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1.38 inches
Temperature (deg. C)	13.01
Sp. Conductance (~~uS/cm~~) mS/cm	(0.205) 0.205
Dissolved Oxygen (mg/L)	4.55
Dissolved Oxygen (% sat)	43.1
pH (S.U.)	3.61
Turbidity	0.5
ORP	290.5

26.25 across
2.75 deep

Surface water sample collection: circle if collected FD MS/MSD
Sample ID: CH-SWSD133-SW01
Sample Time: 1045
Type of Sample Grab / (Pump) / Other peristaltic
Sample depth (inches): 1.38 inches
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: SVOCs, metals, PCBs, hardness

Sheen Yes / (No) Odor Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected FD MS/MSD
Sample ID: CH-SWSD133-SE01
Sample Time: 1145
Core penetration depth (inches): 12
RPD depth (inches): 12
Number of cores collected: 5
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg, PCBs

flap gate auger

Sheen Yes / (No) Odor (Yes) / No
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
7.2 ppm. recov 2 in leafy + organic material; 0-9 wet dark brown silt with trace fine sand; 9-12 in wet very dark brown clayey silt

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD134

Date	6-7-17
Time	1015
Staff	Robert Burns

Loc ID	~~SWSD-134~~
Northing	
Easting	

Site Conditions
Water depth (ft): 5"
Flowing: Yes / No
Channel width (ft): 25.5"
Revetted Channel: Yes / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	2.5'
Temperature (deg. C)	13.21
Sp. Conductance (mS/cm)	0.200
Dissolved Oxygen (mg/L)	2.72
Dissolved Oxygen (% sat)	26.0
pH (S.U.)	3.60
Turbidity	0.7
ORP	226.1

Surface water sample collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD134-SW01
Sample Time: 1020
Type of Sample: Grab / Pump / Other Peristaltic
Sample depth (inches): 2.5"
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: Cr, PCBs, SVOCs, Metals, Hardness
Sheen: Yes / No Odor: Yes / No
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD134-SE01
Sample Time: ~~1030~~ DUP 1130
Core penetration depth (inches): 12
RPD depth (inches): 12
Number of cores collected: 5
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg, PCBs
Sheen: Yes / No Odor: Yes / No
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
1.3ppm; remove 1 in leafy material; 0-9 wet dark brown silt with trace sand; 9-12 in det very dark brown silt

flap gauge auger

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD135

Date 6/7/17
Time 1015
Staff A. Weber

Loc ID ~~SWSD-135~~ CH-SWSD135
Northing
Easting

Site Conditions
Water depth ~~(ft)~~: 6"
Flowing: Yes / (No)
Channel width ~~(ft)~~: 25"
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 16E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	2.5"
Temperature (deg. C)	13.24
Sp. Conductance ~~(uS/cm)~~ mS/cm	0.199
Dissolved Oxygen (mg/L)	2.44
Dissolved Oxygen (% sat)	23.3
pH (S.U.)	3.60
Turbidity	1.4
ORP	242.3

Surface water sample collection: circle if collected: (FD) MS/MSD
Sample ID: CH
Sample Time: 1015
Type of Sample Grab / (Pump) / Other Peristaltic
Sample depth (inches): 2.5"
No. of samples collected: 1
No. of samples rejected: NA Rationale: NA
Analyses Collected: PCB's, SVOC, Metals, Hardness
Sheen Yes / (No) Odor Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: FD MS/MSD
Sample ID: CH-SWS0135-SE01
Sample Time: 1110
Core penetration depth (inches): 12
RPD depth (inches): 12
Number of cores collected: 5
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg, PCBs.
Sheen Yes / (No) Odor Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
1.2ppm; 0-9 in wet dark brown silt with trace fine sand; 9-12 in wet very dark brown silt

flop gauge auger

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD136

Date: 6/7/17
Time: 0950
Staff: AWebber

Loc ID: ~~SWSD-136~~ CH-SWSD136
Northing:
Easting:

Site Conditions
Water depth (~~ft~~): 7.75"
Channel width (~~ft~~): 25"
Flowing: Yes / (No)
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	3.875"
Temperature (deg. C)	12.71
Sp. Conductance (~~uS/cm~~) mS/cm	0.200
Dissolved Oxygen (mg/L)	6.86
Dissolved Oxygen (% sat)	64.7
pH (S.U.)	3.60
Turbidity	2.4
ORP	239.8

Surface water sample collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD136-SW01
Sample Time: 1005
Type of Sample: Grab / (Pump) / Other Peristaltic
Sample depth (inches): 3.875"
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: SVOCs, Metals, hardness, PCBs
Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: (FD) MS/MSD
Sample ID: CH-SWSD136-SE01
Sample Time: 1055
Core penetration depth (inches): 10
RPD depth (inches): 10
Number of cores collected: 9
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg, PCBs
Sheen: Yes / (No) Odor: Yes / (No)
CH-SWSD136-SE01A

flap gauge auger

Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
5.9 cm; remove minimal (< 1in) leafy + woody material; 0-8 in wet dark brown silt with trace sand; 8-10 in wet very dark brown silt

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD137

Date 6/7/17
Time 0930
Staff AWeber

Loc ID ~~SWSD-137~~ CH-SWSD137
Northing
Easting

Site Conditions
Water depth (~~ft~~): 9.5"
Channel width (~~ft~~): 25.6"
Flowing: Yes (No)
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	4.75"
Temperature (deg. C)	12.83
Sp. Conductance (mS/cm)	0.199
Dissolved Oxygen (mg/L)	1.80
Dissolved Oxygen (% sat)	17.1
pH (S.U.)	3.61
Turbidity	1.3
ORP	17.1

Surface water sample collection: circle if collected FD MS/MSD
Sample ID: CH-SWSD137-SW01
Sample Time: 0950
Type of Sample Grab / (Pump) / Other Peristaltic
Sample depth (inches): 4.75"
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: SVOCs, PCBs, Metals, hardness

Sheen Yes / (No) Odor Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected FD MS/MSD
Sample ID: CH-SWSD137-SE01
Sample Time: 1025
Core penetration depth (inches): 10
RPD depth (inches): 10
Number of cores collected: 5
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg, PCBs

flat gauge auger

Sheen Yes / (No) Odor Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
7.0ppm. remove minimal leaf matter (<1 in); 0-10 in wet dark brown silt & dark brown silt with trace sand

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD138

Date: 6/7/17
Time: 0905
Staff: A Weber

Loc ID: ~~SWSD-138~~ CH-SWSD138 am
Northing:
Easting:

Site Conditions
Water depth (ft): 10"
Flowing: Yes / (No)
Channel width (ft): 25"
Revetted Channel: (Yes) No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	5"
Temperature (deg. C)	12.63
Sp. Conductance (mS/cm)	0.200
Dissolved Oxygen (mg/L)	1.74
Dissolved Oxygen (% sat)	16.4
pH (S.U.)	3.62
Turbidity	1.1
ORP	211.9

Surface water sample collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD138-SW01
Sample Time: 0920
Type of Sample: Grab / (Pump) / Other Peristaltic
Sample depth (inches): 5"
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: SVOCs, Metals, Hardness, PCBs
Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD138-SE01
Sample Time: 1010
Core penetration depth (inches): 10
RPD depth (inches): 10
Number of cores collected: 6
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg, PCBs.
Sheen: Yes / (No) Odor: (Yes) / No
Notes and material description (include sediment type, texture, color, layering, entrained debris, biota):
21.9 ppm; remove 2-3 in leafy, woody, + organic material; 0-6 in wet dark brown silt; 6-8 in wet very dark brown clayey silt; 8-10 in wet black clay

flop gauge auger

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD139

Date: 6/7/17
Time: 0840
Staff: A. Weber

Loc ID: ~~SWSD-139~~ 101
Northing:
Easting:

Site Conditions
Water depth (ft): 7"
Channel width (ft): 28.5"
Flowing: Yes / (No)
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	3.5"
Temperature (deg. C)	12.103
Sp. Conductance (mS/cm)	0.199
Dissolved Oxygen (mg/L)	2.25
Dissolved Oxygen (% sat)	21.3
pH (S.U.)	3.62
Turbidity	0.4
ORP	212.6

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD139-SW01
Sample Time: 0850
Type of Sample: Grab / (Pump) / Other peristaltic
Sample depth (inches): 3.5
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: SVOCs, Metals, hardness, PCBs

Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD139-SE01
Sample Time: 0950
Core penetration depth (inches): 10
RPD depth (inches): 10
Number of cores collected: 6
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metal, Hg, PCBs

flap gauge auger

Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
1.4 ppm; 0-2 in wet leafy & organic matter; 2-10 in wet dark brown sandy silt

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD140

Date	6/7/17
Time	0810
Staff	Alexi Weber

Loc ID	~~SWSD-140~~ CH-SWSD140
Northing	
Easting	

Site Conditions

Water depth (~~ft~~): 5.5" Flowing: Yes / (No)

Channel width (~~ft~~): 24" Revetted Channel: (Yes) No

Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	~~12~~ RB 2.75"
Temperature (deg. C)	12.53
Sp. Conductance (uS/cm)	0.192
Dissolved Oxygen (mg/L)	2.41
Dissolved Oxygen (% sat)	22.6
pH (S.U.)	3.64
Turbidity	0.9
ORP	256.9

Surface water sample collection:

circle if collected: FD (MS/MSD)

Sample ID: CH-SWSD140-SW01

Sample Time: 0830

Type of Sample: Grab / (Pump) / Other

Sample depth (inches): 275"

No. of samples collected: 1

No. of samples rejected: N/A Rationale: N/A

Analyses Collected: Metals, Hardness, SVOC, PCB

Sheen: Yes / (No) Odor: Yes / (No)

Notes (not covered in Habitat Form):

Sediment collection:

circle if collected: FD MS/MSD

Sample ID: CH-SWSD140-SE01

Sample Time: 0935

Core penetration depth (inches): 12

RPD depth (inches): 12

Number of cores collected: 10

Number of cores rejected: 0 Rationale: NA

Analyses Collected: SVOCs, TOC, Metals, Hg, Cr, Geochem, PCBs

flap gauge auger

Sheen: Yes / (No) Odor: Yes / (No)

Notes and material description (include sediment type, texture color, layering, entrained debris, biota):

0.4 ppm; 0-4 in wet leafy, woody organic material; 4-11 in wet dark brown silty fine sand; 11-12 in wet gray ~~clayey~~ fine sand with clay

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD141

Date: 6/9/17
Time: 1659
Staff: JB, AB

Loc ID: ~~SWSD 141 Sed~~
Northing:
Easting:

Site Conditions
Water depth (ft): 4.5'
Flowing: (Yes) / No
Channel width (ft): 46"
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: 560MPS/6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	2.25"
Temperature (deg. C)	16.52
Sp. Conductance (uS/cm)	0.173
Dissolved Oxygen (mg/L)	8.07
Dissolved Oxygen (% sat)	82.6
pH (S.U.)	6.43
Turbidity	1.5
ORP	100.8

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD141-SW01
Sample Time: 1700
Type of Sample: Grab / (Pump) / Other peristaltic
Sample depth (inches): 2.25"
No. of samples collected: 1
No. of samples rejected: 0 Rationale: NA
Analyses Collected: SVOCs, metals, hardness
Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD141-SE01
Sample Time: 1715
Core penetration depth (inches): 12
RPD depth (inches): 12
Number of cores collected: 1
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg
flap gauge auger
Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.4 ppm; 0-4 in wet light brown fine to coarse sand; 4-12 in wet dark brown soft silt

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD142

Date: 6/9/17
Time: 1650
Staff: JB, AB

Loc ID: ~~SWSD 142 sm~~
Northing:
Easting:

Site Conditions
Water depth (ft): 4.5
Flowing: (Yes) / No
Channel width (ft): 40
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: 560MPS/6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	2.25
Temperature (deg. C)	16.96
Sp. Conductance (uS/cm)	0.173
Dissolved Oxygen (mg/L)	8.15
Dissolved Oxygen (% sat)	82.4
pH (S.U.)	6.41
Turbidity	0.2
ORP	109.7

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD142-SW01
Sample Time: 1645
Type of Sample: Grab / (Pump) / Other peristaltic
Sample depth (inches): 2.25
No. of samples collected: 1
No. of samples rejected: 0 Rationale: NA
Analyses Collected: SVOCs, metals, hardness
Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD142-SE01
Sample Time: 1700
Core penetration depth (inches): 18
RPD depth (inches): 18
Number of cores collected: 1
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg
Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.3 ppm; 0-6 in wet light brown fine to coarse sand; 6-12 in wet dark brown silty sand; 12-18 in wet dark brown soft silt

flop
gauge
auger

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD143

Date: 6/9/17
Time: 1630
Staff: JB, AB

Loc ID: ~~SWSD143~~ JBm
Northing:
Easting:

Site Conditions
Water depth (ft): 2.5"
Channel width (ft): 49"
Flowing: (Yes) / No
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: 560MPS/6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1.25
Temperature (deg. C)	16.02
Sp. Conductance (uS/cm)	0.173
Dissolved Oxygen (mg/L)	8.09
Dissolved Oxygen (% sat)	82.1
pH (S.U.)	6.41
Turbidity	0.1
ORP	111.2

Surface water sample collection: circle if collected: FD / (MS/MSD)
Sample ID: CH-SWSD143-SW01
Sample Time: 1630
Type of Sample: Grab / (Pump) / Other peristaltic
Sample depth (inches): 1.25
No. of samples collected: 1
No. of samples rejected: 0 Rationale: NA
Analyses Collected: SVOCs, metals, hardness
Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: FD / MS/MSD
Sample ID: CH-SWSD143-SE01
Sample Time: 1645
Core penetration depth (inches): 18
RPD depth (inches): 18
Number of cores collected: 7
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg
flop gauge auger
Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0-1 ppm; 0-5 in wet light brown fine to coarse sand; 5-12 in wet dark brown silty sand; 12-18 in wet dark brown soft silt

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD144

Date: 6/9/17
Time: 1614
Staff: JB, AB

Loc ID: ~~SWSD144-dup~~
Northing:
Easting:

Site Conditions
Water depth (ft): 6.5"
Flowing: (Yes) / No
Channel width (ft): 46.6"
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: 560 MPS/6920 Meter ID: 15E10087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	3.25
Temperature (deg. C)	16.30
Sp. Conductance (uS/cm)	0.173
Dissolved Oxygen (mg/L)	8.06
Dissolved Oxygen (% sat)	82.5
pH (S.U.)	6.30
Turbidity	0.6
ORP	112.9

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD144-SW01
Sample Time: 1615
Type of Sample: Grab (Pump) Other peristaltic
Sample depth (inches): 3.25
No. of samples collected: 1
No. of samples rejected: 0 Rationale: NA
Analyses Collected: SVOCs, metals, hardness
Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD144-SE01
Sample Time: 1630
Core penetration depth (inches): 18
RPD depth (inches): 18
Number of cores collected: 1
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg
Sheen: Yes / (No) Odor: Yes / (No)
flap gate auger
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.3 ppm. remove 9 in wet leafy material; 0-6 in wet dark brown soft silt; 6-9 in wet light brown fine to coarse sand

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD145 AKB 6/9/17

Date: 6/9/17
Time: 1658
Staff: JB, MB

Loc ID: ~~SWSD 146/145~~ 145
Northing:
Easting:

Site Conditions
Water depth (~~ft~~): 6"
Channel width (~~ft~~): 46"
Flowing: Yes / (No)
Revetted Channel: (Yes) / No
Notes (not covered in Habitat Form):

Field Data Meter Type: 560MPS/6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	3"
Temperature (deg. C)	15.68
Sp. Conductance (uS/cm)	0.172
Dissolved Oxygen (mg/L)	8.15
Dissolved Oxygen (% sat)	82.0
pH (S.U.)	6.38
Turbidity	0.6
ORP AKB 6/9/17 145	109.8

Surface water sample collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD146-SW01
Sample Time:
Type of Sample: Grab / (Pump) / Other peristaltic
Sample depth (inches): 3"
No. of samples collected: 1
No. of samples rejected: 0 Rationale: NA
Analyses Collected: SVOCs, metals, hardness
Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: FD (MS/MSD)
Sample ID: CH-SWSD145-SE01
Sample Time: 1615
Core penetration depth (inches): 18
RPD depth (inches): 18
Number of cores collected: 6/9/17 ~~16~~ 14
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg
CH-SWSD145-SE01MS
CH-SWSD145-SE01MSD
flop gauge auger
Sheen: Yes / No Odor: Yes / No
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0,1 ppm. remove 4 in wet leafy material; 0-11 in wet dark brown soft silt - 11-14 in wet light brown fine to coarse sand

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD146

Date: 6/9/17
Time: 1620
Staff: JB, AB

Loc ID: ~~SWSD 146~~ CH-SWSD146
Northing:
Easting:

Site Conditions
Water depth ~~(ft)~~: 12"
Channel width ~~(ft)~~: 52"
Flowing: (Yes) / No
Revetted Channel: Yes / (No)
Notes (not covered in Habitat Form):

Field Data Meter Type: SEOMPS/6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	6
Temperature (deg. C)	16.46
Sp. Conductance (uS/cm)	0.173
Dissolved Oxygen (mg/L)	7.96
Dissolved Oxygen (% sat)	81.6
pH (S.U.)	6.40
Turbidity	0.7
ORP	107.7

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD146-SW01
Sample Time: 1630
Type of Sample: Grab / (Pump) / Other peristaltic
Sample depth (inches): 6
No. of samples collected: 1
No. of samples rejected: 0 Rationale: NA
Analyses Collected: SVOCs, metals, hardness
Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD146-SE01
Sample Time: 1550
Core penetration depth (inches): 18
RPD depth (inches): 18
Number of cores collected: 1
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg
Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.1ppm; remove Tin wet leafy organic material. 7-18 in alternating wet dark brown soft silty and light brown fine to coarse sand

flap gauge auger

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD147

Date: 6/9/17
Time: 1506
Staff: JB, AB

Loc ID: ~~SWSD147~~ SD

Northing:
Easting:

Site Conditions
Water depth (ft): 6.5"
Channel width (ft): 56"
Flowing: (Yes) / No
Revetted Channel: Yes (No)
Notes (not covered in Habitat Form):

Field Data Meter Type: 560 MPS/6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	3.25'
Temperature (deg. C)	16.37
Sp. Conductance (uS/cm)	0.174
Dissolved Oxygen (mg/L)	7.95
Dissolved Oxygen (% sat)	81.4
pH (S.U.)	6.33
Turbidity	0.7
ORP	111.1

Surface water sample collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD147-SW01
Sample Time: 1515
Type of Sample: Grab (Pump) Other peristaltic
Sample depth (inches): 3.25"
No. of samples collected: 1
No. of samples rejected: 0 Rationale: NA
Analyses Collected: SVOCs, metals, hardness
Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD147-SE01
Sample Time: 1520
Core penetration depth (inches): 18
RPD depth (inches): 18
Number of cores collected: 7
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg
Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.2 ppm; remove 9 in wet leafy organic material; 0-3 in ~~da~~ 6/9/17 wet dark brown silt; 3-9 in wet light brown fine to coarse sand

flap gadge auger

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD148

Date: 6/9/17
Time: 1400
Staff: JB, BB

Loc ID: ~~SWSD148~~ CH-SWSD148
Northing:
Easting:

Site Conditions
Water depth (ft): 7"
Flowing: Yes / (No)
Channel width (ft): 56"
Revetted Channel: Yes / (No)
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI MPS/6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	3.5"
Temperature (deg. C)	17.37
Sp. Conductance (uS/cm)	0.174
Dissolved Oxygen (mg/L)	7.80
Dissolved Oxygen (% sat)	81.6
pH (S.U.)	6.31
Turbidity	0.7
ORP	111.8

Surface water sample collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD148-SW01
Sample Time: 1610
Type of Sample: Grab (Pump) Other peristaltic
Sample depth (inches): 3.5"
No. of samples collected: 1
No. of samples rejected: 0 Rationale: NA
Analyses Collected: SVOCs, metals, hardness
Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD148-SE01
Sample Time: ~~1510~~ 1513
Core penetration depth (inches): 18
RPD depth (inches): 18
Number of cores collected: 1
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg
Sheen: Yes / (No) Odor: Yes / (No)
flap gauge auger
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.1 ppm; ~~0-12~~ gas 6/9/17 removed 12 in wet leafy organic material; 0-6 in wet light brown fine to coarse sand

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD149

Date: 6/9/17
Time: 1415
Staff: MM

Loc ID: ~~SWSD-149~~ SWSD149
Northing:
Easting:

Site Conditions
Water depth (~~ft~~): 8"
Channel width (~~ft~~): 102"
Flowing: Yes / (No)
Revetted Channel: Yes / (No)
Notes (not covered in Habitat Form):

Field Data Meter Type: YSI 6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	4"
Temperature (deg. C)	19.55
Sp. Conductance (uS/cm)	0.176
Dissolved Oxygen (mg/L)	4.66
Dissolved Oxygen (% sat)	53.6
pH (S.U.)	6.28
Turbidity	2.4
ORP	125.7

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD149-SW01
Sample Time: 1430
Type of Sample: Grab / (Pump) / Other Peri.
Sample depth (inches): 4"
No. of samples collected: 1
No. of samples rejected: N/A Rationale: N/A
Analyses Collected: Metals, Hardness, SVOCs
Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD149-SE01
Sample Time: 1445
Core penetration depth (inches): 18
RPD depth (inches): 18
Number of cores collected: 7
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg
flag gauge auger
Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0-2 ppm; 0-15 in wet dk brown soft silt; 15-18 in brown fine to medium sand

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD150

Date	6/9/17
Time	1156
Staff	RB, AB

Loc ID	~~SWSD150~~
Northing	
Easting	

Site Conditions
Water depth ~~(ft)~~: 3.5 inches Flowing: Yes / (No)
Channel width ~~(ft)~~: NA-Pond Revetted Channel: Yes / (No)
Notes (not covered in Habitat Form):

Field Data Meter Type: 560 MPS/6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1.75 in
Temperature (deg. C)	19.58
Sp. Conductance (uS/cm)	0.197
Dissolved Oxygen (mg/L)	3.97
Dissolved Oxygen (% sat)	43.3
pH (S.U.)	6.46
Turbidity	1.2
ORP	74.9

Surface water sample collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD150-SW01
Sample Time: 1200
Type of Sample: Grab (Pump) / Other: peristaltic
Sample depth (inches): 1200
No. of samples collected: 1
No. of samples rejected: 0 Rationale: NA
Analyses Collected: SVOCs, metals, hardness, Cr6+
Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD150-SE01
Sample Time: 1300
Core penetration depth (inches): 8
RPD depth (inches): 8
Number of cores collected: 7
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg, Cr, Geochem
Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.2 ppm; 0-8 in wet dark brown silty fine sand

flap gate buoy

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD151

Date: 6/9/17
Time: 1359
Staff: JB, AB

Loc ID: ~~SWSD 151~~ dup
Northing:
Easting:

Site Conditions
Water depth (~~ft~~): 2 in.
Flowing: Yes / (No)
Channel width (ft): NA – pond
Revetted Channel: Yes / (No)
Notes (not covered in Habitat Form):

Field Data Meter Type: 560 MPS/6820 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1
Temperature (deg. C)	21.86
Sp. Conductance (uS/cm)	0.138
Dissolved Oxygen (mg/L)	2.96
Dissolved Oxygen (% sat)	33.6
pH (S.U.)	6.18
Turbidity	17.2
ORP	187.1

Surface water sample collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD151-SW01
Sample Time: 1400
Type of Sample: Grab / (Pump) / Other: peristaltic
Sample depth (inches): 1
No. of samples collected: 1
No. of samples rejected: 0 Rationale: NA
Analyses Collected: SVOCs, metals, hardness
Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: (circle if collected: FD MS/MSD)
Sample ID: CH-SWSD151-SE01
Sample Time: 1415
Core penetration depth (inches): 6
RPD depth (inches): 6
Number of cores collected: 1
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg
Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0-1 ppm; 0-2 wet dark brown silt; 4-6 very dark brown silt

flap gauge auger

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD152

Date: 6/9/17
Time: 1324
Staff: JB, AB

Loc ID: ~~SWSD152~~ SED

Northing:
Easting:

Site Conditions
Water depth ~~(ft)~~: 4"
Channel width (ft): NA- pond
Flowing: Yes / (No)
Revetted Channel: Yes / (No)
Notes (not covered in Habitat Form):

Field Data Meter Type: 560 MPS/6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	2
Temperature (deg. C)	22.96
Sp. Conductance (uS/cm)	0.266
Dissolved Oxygen (mg/L)	3.89
Dissolved Oxygen (% sat)	46.3
pH (S.U.)	5.53
Turbidity	0.0 2.0
ORP	215.5

Surface water sample collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD152-SW01
Sample Time: 1330
Type of Sample: Grab / (Pump) / Other peristaltic
Sample depth (inches): 2
No. of samples collected: 1
No. of samples rejected: 0 Rationale: NA
Analyses Collected: SVOCs, metals, hardness
Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD152-SE01
Sample Time: 1400
Core penetration depth (inches): 6
RPD depth (inches): 6
Number of cores collected: 1
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg
Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.3ppm; 0-2 wet dark brown silt with trace sand; 2-6 in wet very dark brown silt

flap gauge auger

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD153

Date: 6/9/17
Time: 1301
Staff: JB, AB

Loc ID: ~~SWSD153~~ CH-SWSD153-dup
Northing:
Easting:

Site Conditions
Water depth (ft): 2"
Flowing: Yes / (No)
Channel width (ft): NA - pond
Revetted Channel: Yes / (No)
Notes (not covered in Habitat Form):

Field Data Meter Type: 560MPS/6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1
Temperature (deg. C)	24.48
Sp. Conductance (uS/cm)	0.204
Dissolved Oxygen (mg/L)	3.17
Dissolved Oxygen (% sat)	48.0
pH (S.U.)	6.15
Turbidity	62.8
ORP	54.5

Surface water sample collection:
Sample ID: CH-SWSD153-SW01
Sample Time: 1245
Type of Sample: Grab / (Pump) / Other peristaltic
Sample depth (inches): 1
No. of samples collected: 1
No. of samples rejected: 0 Rationale: NA
Analyses Collected: SVOCs, metals, hardness
Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

circle if collected: FD / (MS/MSD)

Sediment collection:
Sample ID: CH-SWSD153-SE01
Sample Time: 1330
Core penetration depth (inches): 8
RPD depth (inches): 8
Number of cores collected: 6
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, Metals, Hg
Sheen: Yes / (No) Odor: Yes / (No)

flap gauge auger

circle if collected: FD MS/MSD

Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.3 ppm. 0-3 wet dark brown silt; 3-8 in wet dark brown silty fine sand

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD154

Date: 6/9/17
Time: 1134
Staff: RB, AB

Loc ID	~~SWSD 154~~ dem

Northing
Easting

Site Conditions
Water depth ~~(ft)~~: 2.5"
Flowing: Yes / (No)
Channel width (ft): NA - pond
Revetted Channel: Yes / (No)
Notes (not covered in Habitat Form):

Field Data Meter Type: 560 MPS/6920 Meter ID: 15E101087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1.25
Temperature (deg. C)	20.76
Sp. Conductance (uS/cm)	0.189
Dissolved Oxygen (mg/L)	3.81
Dissolved Oxygen (% sat)	42.6
pH (S.U.)	6.15
Turbidity	9.8
ORP	136.1

Surface water sample collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD154-SW01
Sample Time: 1145
Type of Sample: Grab / (Pump) / Other peristaltic
Sample depth (inches): 1.25
No. of samples collected: 1
No. of samples rejected: 0 Rationale: NA
Analyses Collected: SVOCs, metals, hardness

Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: FD MS/MSD
Sample ID: CH-SWSD154-SE01
Sample Time: 1150
Core penetration depth (inches): 8
RPD depth (inches): 8
Number of cores collected: 6
Number of cores rejected: 0 Rationale: NA
Analyses Collected: SVOCs, TOC, metals, Hg

flap gauge auger

Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):
0.4 ppm; 0-6 wet brown silt with trace fine sand; 6-8 clayey fine sand

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Surface Water and Sediment Sample Collection Form
Camp Hero, Montauk, New York

CH-SWSD155

Date	6-9-17
Time	1110
Staff	Robert Burns

Loc ID	~~SWSD-155~~ CH-SWSD155
Northing	
Easting	

Site Conditions

Water depth (ft): 3"
Flowing: Yes / (No)
Channel width (ft): NA- pond
Revetted Channel: Yes / (No)
Notes (not covered in Habitat Form):

Field Data Meter Type: 660MPS/6820 Meter ID: 5E10087

Water Quality Parameters:	Middle of Water Column
Measurement Depth (ft)	1.5
Temperature (deg. C)	16.62
Sp. Conductance (uS/cm)	0.207
Dissolved Oxygen (mg/L)	2.39
Dissolved Oxygen (% sat)	24.5
pH (S.U.)	6.36
Turbidity	88.8
ORP	27.3

Surface water sample collection: circle if collected: FD MS/MSD

Sample ID: CH-SWSD155-SW01
Sample Time: 1115
Type of Sample: Grab / (Pump) / Other peristaltic
Sample depth (inches): 1.5
No. of samples collected: 1
No. of samples rejected: 0 Rationale: NA
Analyses Collected: SVOCs

Sheen: Yes / (No) Odor: Yes / (No)
Notes (not covered in Habitat Form):

Sediment collection: circle if collected: FD (MS/MSD)

Sample ID: CH-SWSD155-SE01
Sample Time: 1130
Core penetration depth (inches): 12
RPD depth (inches): 12
Number of cores collected: 13
Number of cores rejected: 1 Rationale: poor recovery
Analyses Collected: SVOCs, TOC, Metals, Hg

CH-SWSD155-SE01MS
CH-SWSD155-SE01MSD

flap gauge auger

Sheen: Yes / (No) Odor: Yes / (No)
Notes and material description (include sediment type, texture color, layering, entrained debris, biota):

0.2 ppm. 0-8 in wet dark brown sandy silt; 8-12 wet very dark brown silt

ield Duplicate
SD - Matrix Spike/Matrix Spike Duplicate
Redox Potential Discontinuity

Appendix I6

Stream Exposure Area Characterization Sheets

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Stream Exposure Area Characterization Sheet
Camp Hero, Montauk, New York

Date	6/3/2017
Time	1000
Staff	C. LAVAGNINO
Weather	60s OVERCAST

Location IDs within Stream Segment	017, SWSD001-003 CHSWSD016-023 H-22 CHSWS081-084

Has there been heavy rain within last 7 days? Yes / No

Stream Width (ft): 3

Bottom Type: litter + sand + (silt, sands, gravel, cobble, boulder, bedrock, etc)

Stream Segment Length (ft):

Revetted Stream: (Yes) / No

Water Depth (ft): 0.3

Water Velocity (ft/sec): 1 ft/sec

Does channel appear to have perennial flow? (Yes) / No — Comments:

Is stream unshaded (looking downstream)? Left side - Yes / (No) Right side - Yes / (No) — Comments:

Is sediment deposition occurring in the channel? (Yes) / No — Comments:

~~Has stream channel eroded into the Calvert formation? Yes / No~~ — Comments:

Is erosion occuring along stream banks? Left side - Yes / (No) Right side - Yes / (No) — Comments:

Is vegetation growing in the channel? (Yes) / No — Type:

Land use left side (looking downstream): FORESTED — Wetlands present on left side? (Yes) / No

Land use right side (looking downstream): FORESTED — Wetlands present on right side? (Yes) / No

Trash present in the channel? Yes / (No) — Type:

Floc present in channel? Yes / (No) % of bottom covered: Color of floc:

Groundwater discharge/seep observed? (Yes) / No — Comments: WTL

Discharge pipe(s) present within segment? Yes / (No) Actively flowing? Yes / No Evidence of discharge? Yes / No

Pipe diameter (ft): Pipe construction: (Concrete, Metal, Plastic, etc) Odor: (Sewage, Chlorine, etc)

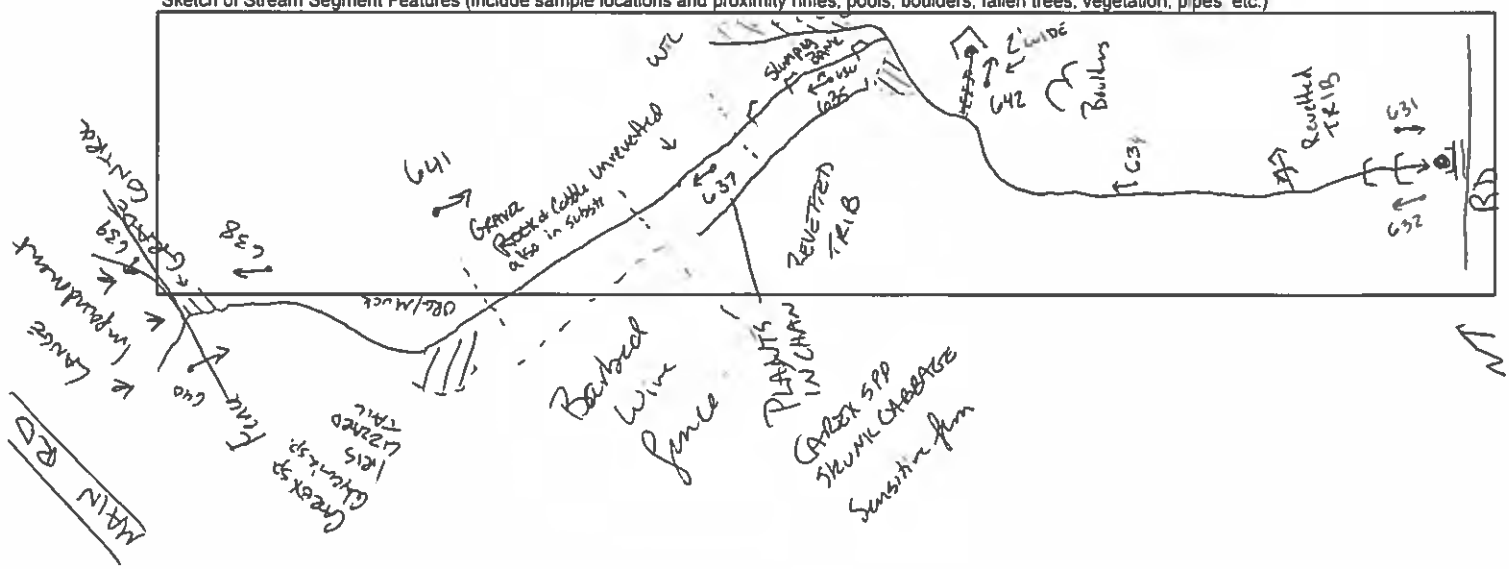
Fish observed: Yes / (No) — Type:

Invertebrates observed: Yes / No — Type:

Other wildlife observed: (Yes) / No — Type:

Songbirds Deer evidence squirrel

Sketch of Stream Segment Features (include sample locations and proximity riffles, pools, boulders, fallen trees, vegetation, pipes etc.)



Stream Exposure Area Characterization Sheet
Camp Hero, Montauk, New York

Date 06/09/17
Time 0900
Staff L. MacPhee
Weather Sunny ~50°F

Location IDs within Stream Segment	CH-SWSD004-007

Has there been heavy rain within last 7 days? Yes / No

Stream Width (ft) _____ Bottom Type: silts and organics (Silt, Sands, Gravel, Cobble or Bedrock, etc)

Stream Segment Length (ft) _____ Revetted Stream: Yes / (No)

Water Depth (ft) _____ Water Velocity (ft/sec) slow trickle

Does channel appear to have perennial flow? (Yes) / No Comments _____

Is stream unshaded (looking downstream)? Left side - Yes / (No) Right side - Yes / (No) Comments heavy - moderate shading

Is sediment deposition occurring in the channel? (Yes) / No Comments _____

Has stream channel eroded into the Calvert formation? (N/A) Yes / No Comments _____

Is erosion occuring along stream banks? Left side - (Yes) / No Right side - (Yes) / No Comments _____

Is vegetation growing in the channel? (Yes) / No Type moss and aquatic plants

Land use left side (looking downstream) forest Wetlands present on left side? Yes / (No) ?

Land use right side (looking downstream) forest Wetlands present on right side? Yes / (No) ?

Trash present in the channel? Yes / (No) Type _____

Floc present in channel? Yes / (No) % of bottom covered _____ Color of floc? _____

Groundwater discharge/seep observed? Yes / (No) Comments _____

Discharge pipe(s) present within segment? Yes / (No) Actively flowing? Yes / (No) Evidence of discharge? Yes / (No)

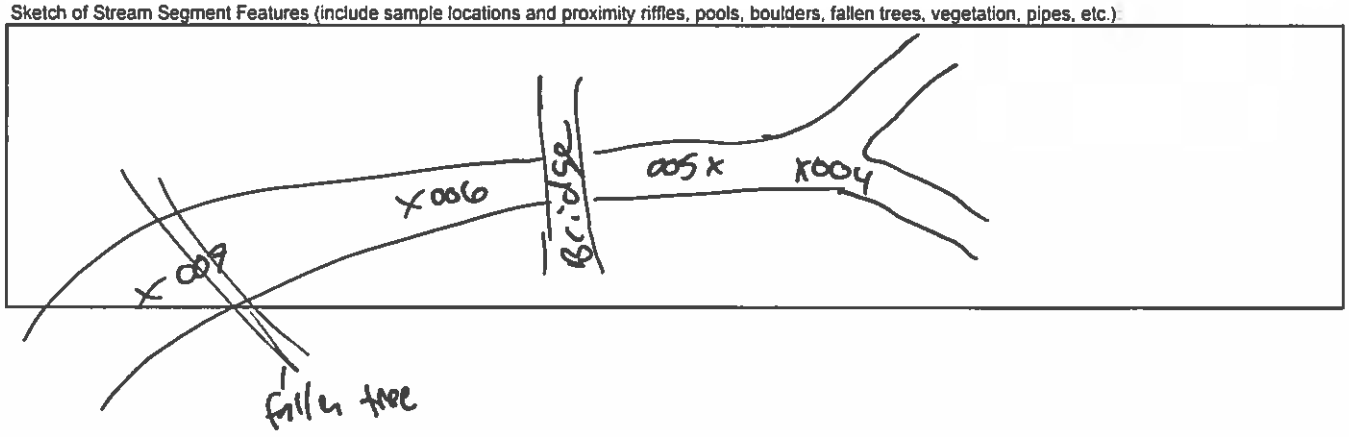
Pipe diameter (ft) _____ Pipe construction: _____ (Concrete, Metal Plastic, etc) Odor _____ (Sewage, Chlorine, etc)

Fish observed: Yes / (No) Type _____

Invertebrates observed (Yes) / No Type bugs

Other wildlife observed: Yes / (No) Type _____

Sketch of Stream Segment Features (include sample locations and proximity riffles, pools, boulders, fallen trees, vegetation, pipes, etc.)



Stream Exposure Area Characterization Sheet
Camp Hero, Montauk, New York

Date 6/9/17
Time 1215
Staff NS/MG
Weather Sun 65°

Location IDs within Stream Segment	CH-SWSD008

Has there been heavy rain within last 7 days? (Yes) / No

Stream Width (ft) 12
Bottom Type: Silt/leaves (Silts, Sands, Gravel, Cobble, Boulder, Bedrock, etc)
Stream Segment Length (ft)
Revetted Stream: Yes (No)
Water Depth (ft) 3 inches
Water Velocity (ft/sec) none

Does channel appear to have perennial flow? Yes / No Comments
Is stream unshaded (looking downstream)? Left side - Yes / (No) Right side - Yes (No) Comments
Is sediment deposition occurring in the channel? (Yes) / No Comments
Has stream channel eroded into the Calvert formation? Yes / (No) Comments
Is erosion occuring along stream banks? Left side - Yes / (No) Right side - Yes / (No) Comments
Is vegetation growing in the channel? (Yes) / No Type
Land use left side (looking downstream) Wetlands present on left side? Yes / No
Land use right side (looking downstream) Wetlands present on right side? Yes / No
Trash present in the channel? Yes / (No) Type

Floc present in channel? Yes / No % of bottom covered: Color of floc?

Groundwater discharge/seep observed? Yes / (No) Comments

Discharge pipe(s) present within segment? Yes / (No) Actively flowing? Yes / (No) Evidence of discharge? Yes / No
Pipe diameter (ft): Pipe construction: (Concrete, Metal, Plastic, etc) Odor: (Sewage, Chlorine, etc)

Fish observed: Yes / (No) Type
Invertebrates observed: Yes / (No) Type
Other wildlife observed: Yes / (No) Type

Sketch of Stream Segment Features (include sample locations and proximity riffles, pools, boulders, fallen trees, vegetation, pipes, etc.)

Stream Exposure Area Characterization Sheet
Camp Hero, Montauk, New York

Date 06/10/17
Time 0820
Staff
Weather 68°F, Sunny

Location IDs within Stream Segment	CH-SWSD014 to 015

Has there been heavy rain within last 7 days? (Yes) / No

Stream Width (ft) 3-4 ft
Bottom Type: sand (Silts, Sands, Gravel, Cobble, Boulder, Bedrock, etc)
Stream Segment Length (ft)
Revetted Stream: Yes / (No)
Water Depth (ft) 3-4 in
Water Velocity (ft/sec) ~~No flow~~ 1 ft/sec

Does channel appear to have perennial flow? (Yes) / No — Comments perhaps ~~not flow~~ in very dry weather but would probably still be saturated
Is stream unshaded (looking downstream)? Left side - Yes / (No) Right side - Yes / (No) — Comments heavily shaded
Is sediment deposition occurring in the channel? Yes / (No) — Comments would be minimal
~~Has stream channel eroded into the Calvert formation~~? ~~Yes / No~~ — Comments
Is erosion occuring along stream banks? Left side - (Yes) / No Right side - (Yes) / No — Comments minimal
Is vegetation growing in the channel? (Yes) / No — Type skunk cabbage
Land use left side (looking downstream) — Wetlands present on left side? Yes / (No)
Land use right side (looking downstream) — Wetlands present on right side? Yes (No)
Trash present in the channel? Yes (No) — Type

Floc present in channel? Yes / (No) % of bottom covered NA Color of floc? NA

Groundwater discharge/seep observed? Yes / (No) — Comments

Discharge pipe(s) present within segment? Yes / (No) Actively flowing? ~~Yes / No~~ NA Evidence of discharge? Yes / (No)
Pipe diameter (ft) NA Pipe construction NA (Concrete, Metal, Plastic, etc) Odor NA (Sewage, Chlorine, etc.)

Fish observed Yes / (No) — Type
Invertebrates observed Yes / (No) — Type
Other wildlife observed Yes (No) — Type

Sketch of Stream Segment Features (include sample locations and proximity riffles, pools, boulders, fallen trees, vegetation, pipes, etc.)

Stream Exposure Area Characterization Sheet
Camp Hero, Montauk, New York

Date 6/7/17
Time 1430
Staff R. MacRae
Weather Sunny ~65

Location IDs within Stream Segment	CH-SWSD027 through 030

Has there been heavy rain within last 7 days? Yes / No

Stream Width (min) 30"
Stream Segment Length (ft)
Water Depth (max) 5"

Bottom Type silts and organics (Silts, Sands, Gravel, Cobble, Boulder, Bedrock, etc.)
Revetted Stream (Yes) / No
Water Velocity (ft/sec) none, no flow standing water

Does channel appear to have perennial flow? Yes / (No) Comments
Is stream unshaded (looking downstream)? Left side - (Yes) / No Right side - (Yes) / No Comments mostly dense veg cover, one open area (small) ~~Area~~ b/w 29 & 30
Is sediment deposition occurring in the channel? Yes / (No) Comments
Has stream channel eroded into the Calvert formation? (N/A) Yes / No Comments
Is erosion occuring along stream banks? Left side - Yes / (No) Right side - Yes / (No) Comments
Is vegetation growing in the channel? (Yes) / No Type small emergent plants
Land use left side (looking downstream) forest / wetland Wetlands present on left side? (Yes) / No
Land use right side (looking downstream) forest / wetland Wetlands present on right side? (Yes) / No
Trash present in the channel? Yes / (No) Type

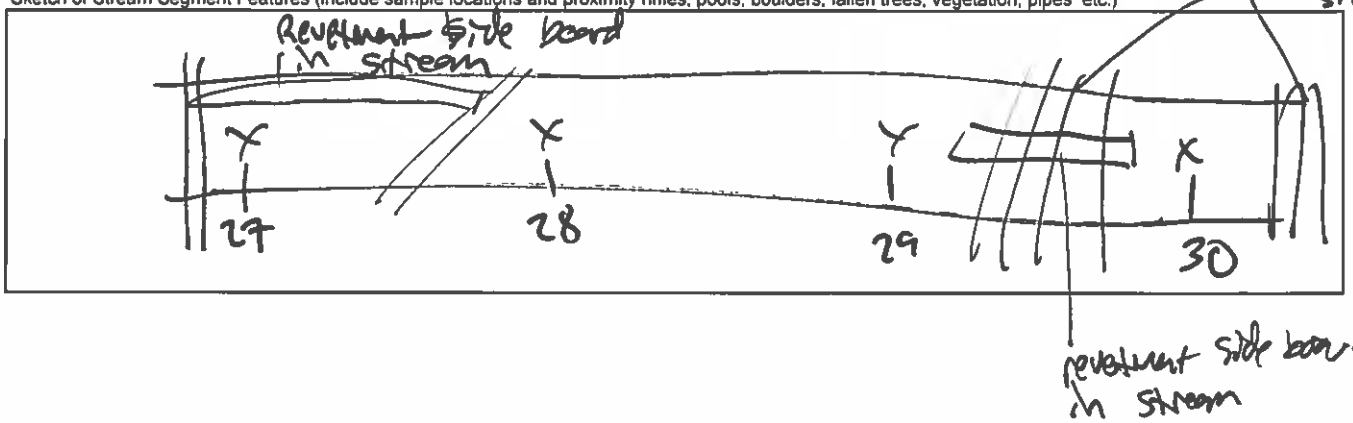
Floc present in channel? Yes / (No) % of bottom covered N/A Color of floc? N/A

Groundwater discharge/seep observed? Yes / (No) Comments N/A

Discharge pipe(s) present within segment? Yes / (No) Actively flowing? Yes / (No) Evidence of discharge? Yes / (No)
Pipe diameter (ft): N/A Pipe construction: N/A (Concrete, Metal, Plastic, etc) Odor: N/A (Sewage, Chlorine, etc)

Fish observed: Yes / (No) Type
Invertebrates observed: (Yes) / No Type bugs
Other wildlife observed: Yes / (No) Type

Sketch of Stream Segment Features (include sample locations and proximity riffles, pools, boulders, fallen trees, vegetation, pipes etc.)



Stream Exposure Area Characterization Sheet
Camp Hero, Montauk, New York

Date 6/3/2017
Time 9:30
Staff C. LaVAGNINO
Weather 60s SUNNY

Location IDs within Stream Segment	DU-7, DU-18 SWSD-40, SWSD-031, SWSD045

Has there been heavy rain within last 7 days? Yes / No

Stream Width (ft) 6'
Stream Segment Length (ft)
Water Depth (ft) 0.3

Bottom Type ORG / MUCK (Silts, Sands, Gravel, Cobble Boulder, Bedrock, etc)
Revetted Stream (Yes) / No
Water Velocity (ft/sec) 0.5 TO NONE

Does channel appear to have perennial flow? (Yes) / No Comments
Is stream unshaded (looking downstream)? Left side - (Yes) No Right side - (Yes) No Comments STREAM SHADED
Is sediment deposition occurring in the channel? (Yes) No Comments FINE SILT / ORG FROM ADJ SLOPES
~~Has stream channel eroded into the Calvert formation?~~ ~~Yes / No~~ Comments
Is erosion occuring along stream banks? Left side - Yes / (No) Right side - Yes / (No) Comments LOW FLOW
Is vegetation growing in the channel? (Yes) / No Type Skunk cabbage, Jewelweed, carex spp
Land use left side (looking downstream) FOREST / State Park Wetlands present on left side? (Yes) / No
Land use right side (looking downstream) FOREST / State Park Wetlands present on right side? (Yes) / No
Trash present in the channel? Yes / (No) Type

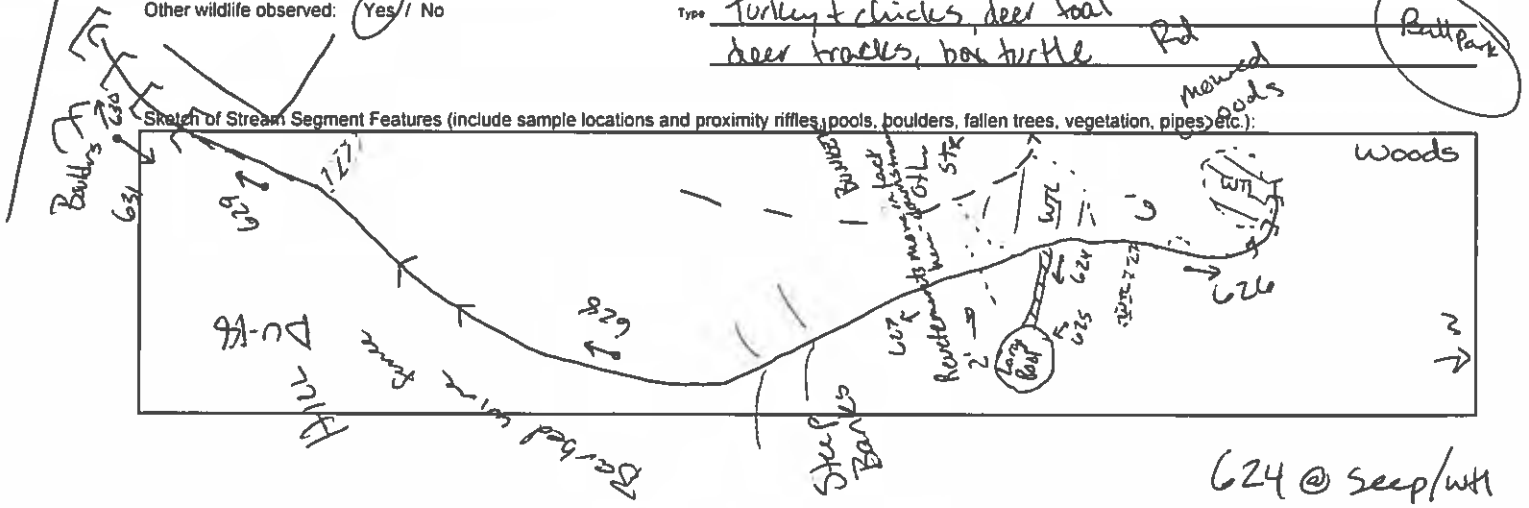
Floc present in channel? Yes / (No) % of bottom covered Color of floc?

Groundwater discharge/seep observed? (Yes) / No Comments WTLS, one inundated pool with

Discharge pipe(s) present within segment? Yes (No) Actively flowing? Yes / No Evidence of discharge? Yes / No
Pipe diameter (ft) Pipe construction (Concrete, Metal, Plastic, etc) Odor: (Sewage, Chlorine, etc)

Fish observed: Yes / (No) Type
Invertebrates observed: Yes / (No) Type
Other wildlife observed: (Yes) / No Type Turkey + chicks, deer foal, deer tracks, box turtle

Sketch of Stream Segment Features (include sample locations and proximity riffles, pools, boulders, fallen trees, vegetation, pipes etc.):



624 @ seep/wtl
625 @ Inundation/trib to STR

Stream Exposure Area Characterization Sheet
Camp Hero, Montauk, New York

Date 6/3/2017
Time 0800
Staff C. LAVAGNINO
Weather 60s SUNNY

Location IDs within Stream Segment	SWSD-046 - SWSD-055 DU-17

Has there been heavy rain within last 7 days? Yes / No

Stream Width (ft) 2-8' (4' MOST COMMON)
Stream Segment Length (ft):
Water Depth (ft)

Bottom Type: (Silts, Sands, Gravel, Cobble, Boulder Bedrock, etc.)
Revetted Stream? (Yes) / No
Water Velocity (ft/sec): 0.5

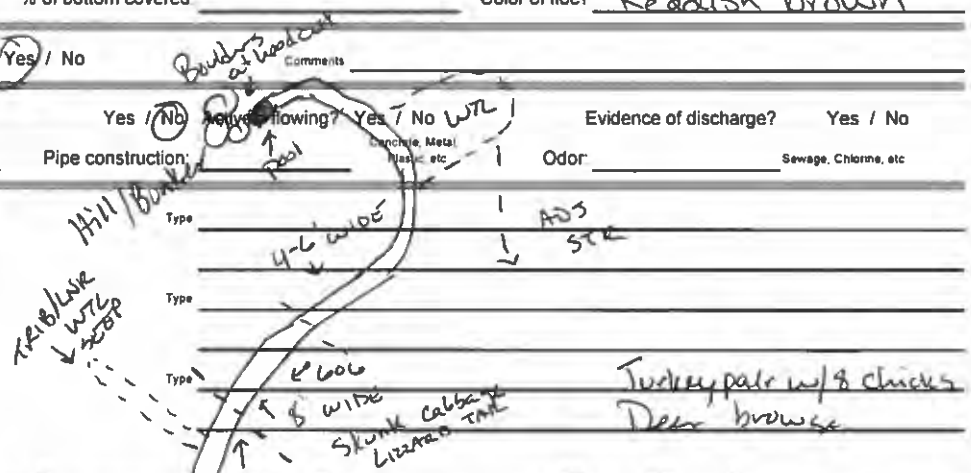
Does channel appear to have perennial flow? (Yes) / No Comments
Is stream unshaded (looking downstream)? Left side - Yes / (No) Right side - Yes / (No) Comments
Is sediment deposition occurring in the channel? (Yes) / No Comments: fine organics from adj. slopes
~~Has stream channel eroded into the Calvert formation? Yes / No~~ Comments
Is erosion occuring along stream banks? Left side - Yes / (No) Right side - Yes / (No) Comments
Is vegetation growing in the channel? (Yes) / No Type: SYFO, IMCA, Sambucus
Land use left side (looking downstream): FORESTED — Wetlands present on left side? Yes / No
Land use right side (looking downstream): — Wetlands present on right side? Yes / No
Trash present in the channel? Yes / No Type

Floc present in channel? (Yes) / No % of bottom covered Color of floc: Reddish brown

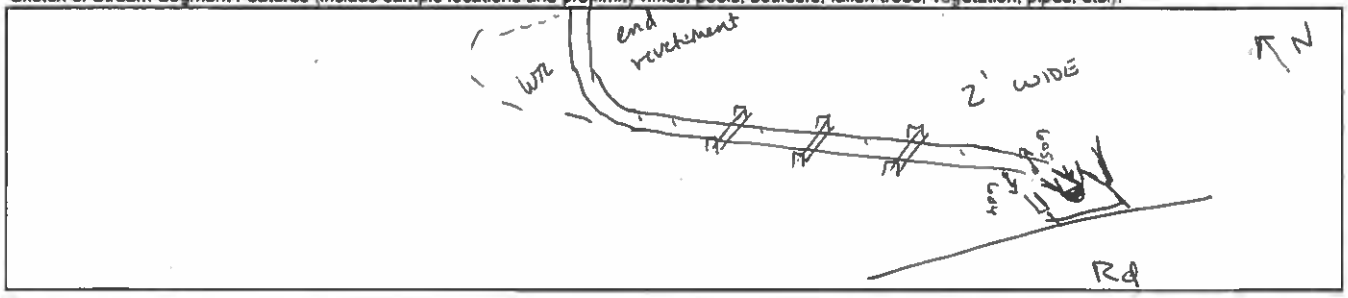
Groundwater discharge/seep observed? (Yes) / No Comments: Boulders at headcut

Discharge pipe(s) present within segment? Yes / (No) Actively flowing? Yes / No Evidence of discharge? Yes / No
Pipe diameter (ft): Pipe construction: (Concrete, Metal, Plastic, etc.) Odor: (Sewage, Chlorine, etc.)

Fish observed: Yes / (No) Type
Invertebrates observed: Yes / (No) Type
Other wildlife observed: (Yes) / No Type: Turkey pair w/ 8 chicks; Deer browse



Sketch of Stream Segment Features (include sample locations and proximity riffles, pools, boulders, fallen trees, vegetation, pipes, etc.):



Stream Exposure Area Characterization Sheet
Camp Hero, Montauk, New York

Date 6/2/2017
Time ~~14:15~~ 16:15
Staff C. LAVAGNINO
Weather 70s SUNNY

Location IDs within Stream Segment	SW 56 - 65 DU-12 ~~SW 58, 57, 56~~

Has there been heavy rain within last 7 days? Yes / No

Stream Width (ft): 4-6
Bottom Type: MUCK/ORG (Silts, Sands, Gravel, Cobble, Boulder, Bedrock, etc)
Stream Segment Length (ft):
Revetted Stream: (Yes) / No
Water Depth (ft): 0.5
Water Velocity (ft/sec): SL NO OBV FLOW INSIDE DU ~~DOWNSTR OF DU FLOW = 2.5 ft/sec~~

Does channel appear to have perennial flow? (Yes) / No — Comments: RPW
Is stream unshaded (looking downstream)? Left side - (Yes) / No — Right side - Yes / (No) — Comments: SEE PICTURE
Is sediment deposition occurring in the channel? (Yes) / No — Comments: ORG
Has stream channel eroded into the Calvert formation? ~~Yes / No~~ — Comments: N/A
Is erosion occuring along stream banks? Left side - (Yes) / No — Right side - (Yes) / No — Comments: Undermining revetment
Is vegetation growing in the channel? (Yes) / No — Type: Skunk Cabb, Jewel Weed, Carex spp.
Land use left side (looking downstream): PARKING / FOREST ASIDE FROM ROADSIDE CLEARING — Wetlands present on left side? Yes / (No)
Land use right side (looking downstream): FORESTED ASIDE FROM ROADSIDE CLRG — Wetlands present on right side? Yes / (No)
Trash present in the channel? Yes / (No) — Type:

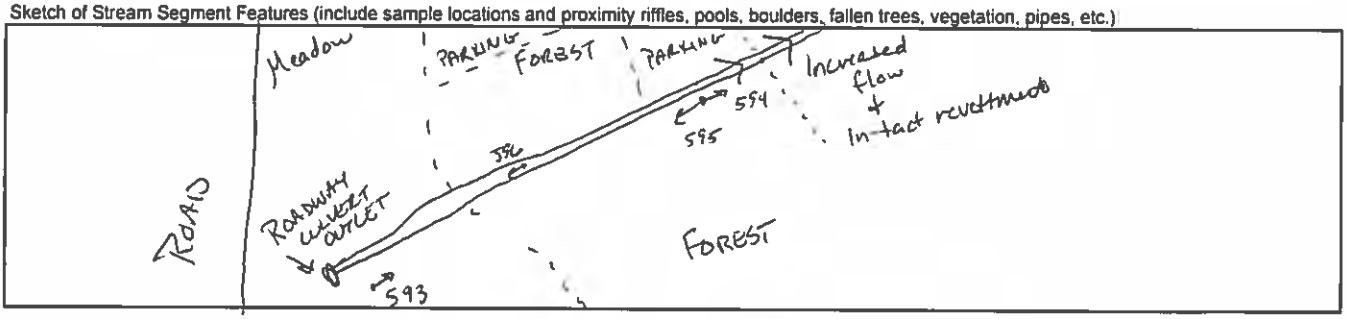
Floc present in channel? (Yes) / No — % of bottom covered: LO ALGAE — Color of floc? Black / Brown

Groundwater discharge/seep observed? (Yes) / No — Comments: @ G1

Discharge pipe(s) present within segment? Yes / (No) — Actively flowing? Yes / No — Evidence of discharge? Yes / No
Pipe diameter (ft): — Pipe construction: (Concrete, Metal, Plastic, etc) — Odor: (Sewage, Chlorine, etc)

Fish observed: Yes / (No) — Type:
Invertebrates observed: Yes / (No) — Type:
Other wildlife observed: (Yes) / No — Type: DEER SIGN, SONGBIRDS

Sketch of Stream Segment Features (include sample locations and proximity riffles, pools, boulders, fallen trees, vegetation, pipes, etc.)



plating sheen obsrd (F_e Reducing)

Stream Exposure Area Characterization Sheet
Camp Hero, Montauk, New York

Date 6/2/2017
Time 1650
Staff C. LAVAGNINO
Weather 70s SUNNY

Location IDs within Stream Segment	CIT-SWSD066 - CIT-SWSD073 DU-11 +65

Has there been heavy rain within last 7 days? Yes / No

Stream Width (ft): 2
Bottom Type: ORG/MUCK (Silts, Sands, Gravel, Cobble, Boulder, Bedrock, etc)
Stream Segment Length (ft):
Revetted Stream: (Yes) No
Water Depth (ft): 0-0.4
Water Velocity (ft/sec):

Does channel appear to have perennial flow? Yes / (No) Comments: ~~DRY~~ MOIST IN SOME PARTS/STD 1/30 in others
Is stream unshaded (looking downstream)? Left side - (Yes) / No Right side - Yes / (No) Comments: See picture
Is sediment deposition occurring in the channel? Yes / (No) Comments:
~~Has stream channel eroded into the Calvert formation?~~ ~~Yes / No~~ Comments:
Is erosion occuring along stream banks? Left side - (Yes) / No Right side - (Yes) / No Comments: ERODING UNDER REVETMENT
Is vegetation growing in the channel? Yes / (No) Type:
Land use left side (looking downstream): DISTURBED REGEN/BARN FOREST/MEADOW Wetlands present on left side? (Yes) / No
Land use right side (looking downstream): FOREST Wetlands present on right side? Yes (No)
Trash present in the channel? Yes / (No) Type:

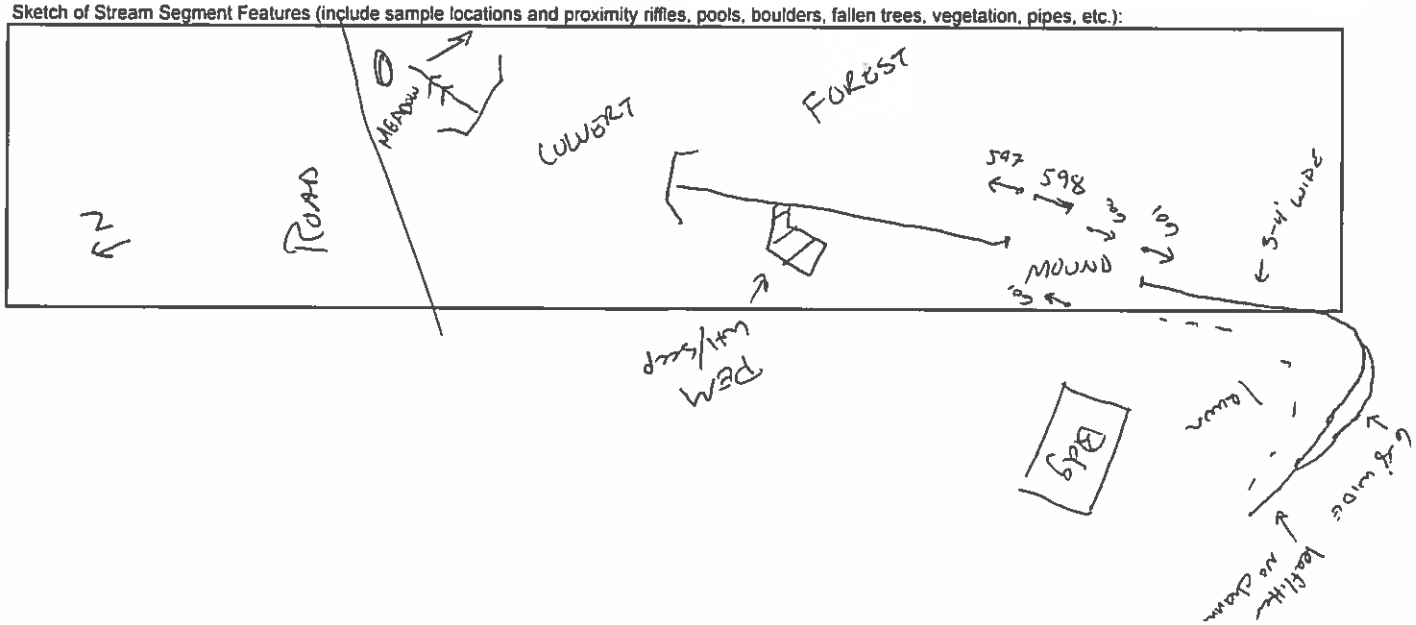
Floc present in channel? Yes / (No) % of bottom covered: Color of floc:

Groundwater discharge/seep observed? (Yes) / No Comments: ADJ WTL

Discharge pipe(s) present within segment? Yes / (No) Actively flowing? Yes / No Evidence of discharge? Yes / No
Pipe diameter (ft): Pipe construction: (Concrete, Metal, Plastic, etc) Odor: (Sewage, Chlorine, etc)

Fish observed: Yes / (No) Type:
Invertebrates observed: (Yes) / ~~(No)~~ Type: SCUD
Other wildlife observed: Yes / (No) Type:

Sketch of Stream Segment Features (include sample locations and proximity riffles, pools, boulders, fallen trees, vegetation, pipes, etc.):



Stream Exposure Area Characterization Sheet
Camp Hero, Montauk, New York

Date 6/3/2017
Time 1045
Staff C. LAVAGNINO
Weather 70s OVERCAST

Location IDs within Stream Segment	PRIMARY N-S CHANEL FROM CAMP HERO RD TO OLD MONTAUK HWY (DUOS) DU-13 080095 + 141-155

Has there been heavy rain within last 7 days? Yes / No

Stream Width (ft) 4
Bottom Type: Si SaGR + Leaf litter (Silts, Sands, Gravel, Cobble Boulder Bedrock, etc)
Stream Segment Length (ft)
Revetted Stream: (Yes) / No
Water Depth (ft) 0.3
Water Velocity (ft/sec): 0.5 -

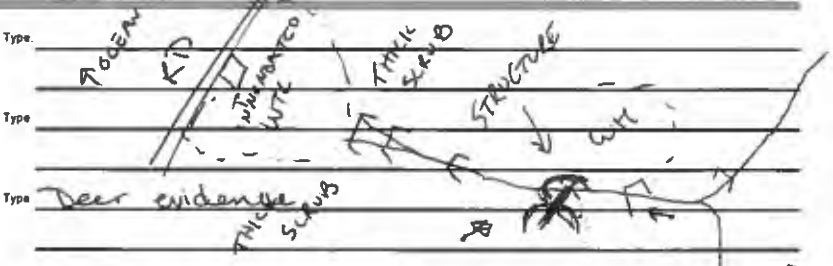
Does channel appear to have perennial flow? (Yes) / No Comments: Less tannin colored than other reaches
Is stream unshaded (looking downstream)? Left side - Yes / (No) Right side - Yes / (No) Comments
Is sediment deposition occurring in the channel? (Yes) / No Comments
~~Has stream channel eroded into the Calvert formation? Yes / No~~ Comments
Is erosion occuring along stream banks? Left side - Yes / No Right side - (Yes) / No Comments: where revetments are failing
Is vegetation growing in the channel? Yes / No Type
Land use left side (looking downstream) FOREST — Wetlands present on left side? (Yes) / No
Land use right side (looking downstream) FOREST — Wetlands present on right side? (Yes) / No
Trash present in the channel? Yes / (No) Type

Floc present in channel? Yes / (No) % of bottom covered Color of floc?

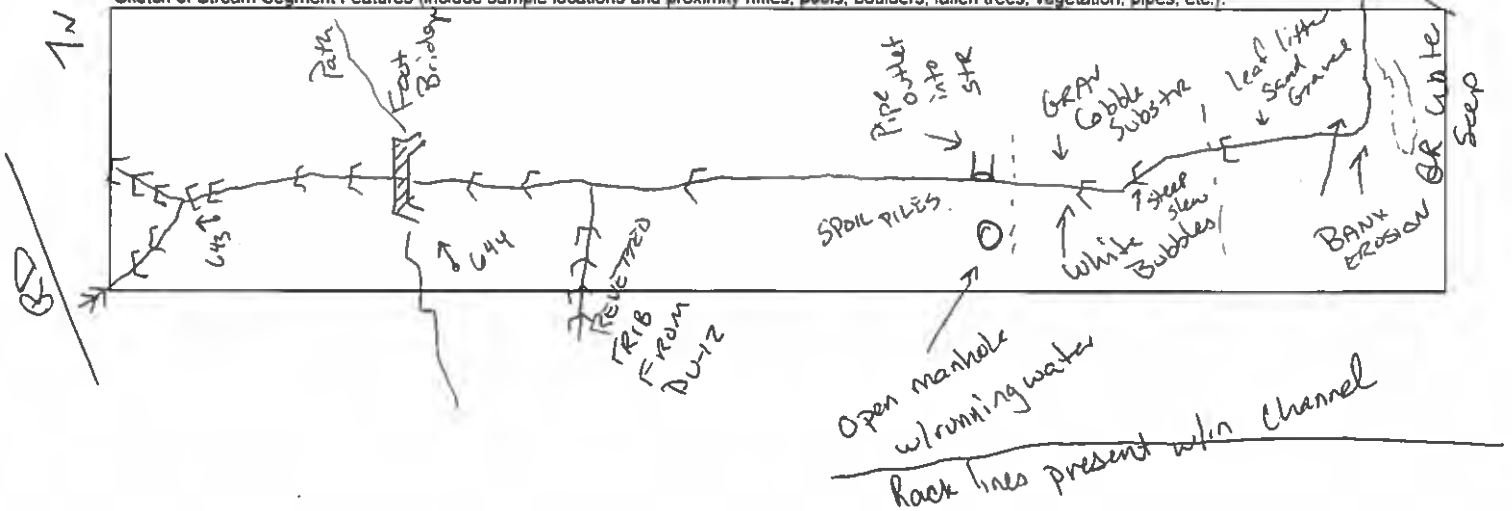
Groundwater discharge/seep observed? Yes / No Comments

Discharge pipe(s) present within segment? (Yes) / No Actively flowing? (Yes) / No Evidence of discharge? Yes / (No)
Pipe diameter (ft) in 12-18" Pipe construction: Concrete (Concrete, Metal, Plastic, etc) Odor: DID NOT SMELL/SMELL (Sewage, Chlorine, etc)

Fish observed: Yes / (No) Type
Invertebrates observed: Yes / (No) Type
Other wildlife observed: (Yes) / No Type Deer evidence



Sketch of Stream Segment Features (include sample locations and proximity riffles, pools, boulders, fallen trees, vegetation, pipes, etc.):



Stream Exposure Area Characterization Sheet
Camp Hero, Montauk, New York

Location IDs within Stream Segment	096-118 DU-05 + DU-06

Date 6/2/2017
Time 15:15
Staff C. LAVAGNINO
Weather 70s SUNNY

Has there been heavy rain within last 7 days? Yes / No

Stream Width (ft): 4
Bottom Type: Organic (Silts, Sands, Gravel, Cobble, Boulder, Bedrock, etc.)
Stream Segment Length (ft)
Revetted Stream: Yes / No
Water Depth (ft): 0.3
Water Velocity (ft/sec): < 1 Backwater/stagnant

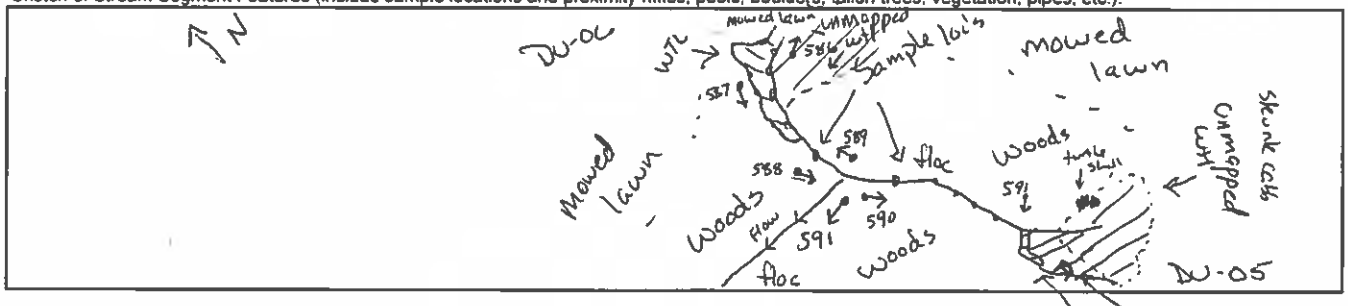
Does channel appear to have perennial flow? Yes / No — Comments: RPW, not much "flow", ditched/leveled STR
Is stream unshaded (looking downstream)? Left side - Yes / No — Right side - Yes / No — Comments:
Is sediment deposition occurring in the channel? Yes / No — Comments: fines + org
~~Has stream channel eroded into the Calvert formation?~~ ~~Yes / No~~ — Comments: N/A
Is erosion occuring along stream banks? Left side - Yes / No — Right side - Yes / No — Comments: Badly Defined Bank when not revetted
Is vegetation growing in the channel? Yes / No WTH veg — Type: SYFO - SKUNK CABBAGE, Jewelweed (IMCA), Jack in the pulpit/ARI
Land use left side (looking downstream): Forested + mowed lawn — Wetlands present on left side? Yes / No
Land use right side (looking downstream): see picture — Wetlands present on right side? Yes / No
Trash present in the channel? Yes / No — Type: Plastic cup Picknick area nearby, can (Soda)

Floc present in channel? Yes / No — % of bottom covered: 80% — Color of floc: reddish brown
Groundwater discharge/seep observed? Yes / No — Comments: ADJ WTLS BANKS OF STR WET/SUCK
Discharge pipe(s) present within segment? Yes / No — Actively flowing? Yes / No N/A — Evidence of discharge? Yes / No N/A
Pipe diameter (ft): — Pipe construction (Concrete, Metal, Plastic, etc): — Odor (Sewage, Chlorine, etc): PIPE IS DISLODGED DEBRIS, NOT INSTALLED

Fish observed Yes / No — Type:
Invertebrates observed Yes / No — Type:
Other wildlife observed Yes / No — Type: TURTE SHELL (BOX TURTLE), DEER BROWSE

→ Photos

Sketch of Stream Segment Features (include sample locations and proximity riffles, pools, boulders, fallen trees, vegetation, pipes, etc.):



~~Trespasser~~
~~Forestry~~

large box turtle shell obsvd
Deer browse obsvd
Songbird calls obsvd

Stream Exposure Area Characterization Sheet
Camp Hero, Montauk, New York

111 - 125

Date 6/3/2017
Time 1300
Staff C. LANAGNINO
Weather 60s OVERCAST

Location IDs within Stream Segment	CH-SWS ~~-HB~~ 111 - 125 DU-03

Has there been heavy rain within last 7 days? Yes / No

Stream Width (ft): 4
Bottom Type: Boulder Cob Gr Sa (Silts, Sands, Gravel, Cobble, Boulder, Bedrock, etc)
Stream Segment Length (ft):
Revetted Stream: Yes / No
Water Depth (ft): 0.5
Water Velocity (ft/sec): 0.5

Does channel appear to have perennial flow? Yes / No Comments:
Is stream unshaded (looking downstream)? Left side - Yes / No Right side - Yes / No Comments:
Is sediment deposition occurring in the channel? Yes No Comments: evidence of substrate sorting
~~Has stream channel eroded into the Calvert formation? Yes / No~~ Comments:
Is erosion occuring along stream banks? Left side - Yes / No Right side - Yes / No Comments:
Is vegetation growing in the channel? Yes / No Type: Skunk cabbage, Carex sp, Phrag
Land use left side (looking downstream): Forest Wetlands present on left side? Yes / No
Land use right side (looking downstream): Forest Wetlands present on right side? Yes / No
Trash present in the channel? Yes / No Type:

Floc present in channel? Yes / No % of bottom covered: Color of floc:

Groundwater discharge/seep observed? Yes / No Comments: Adj wetlands

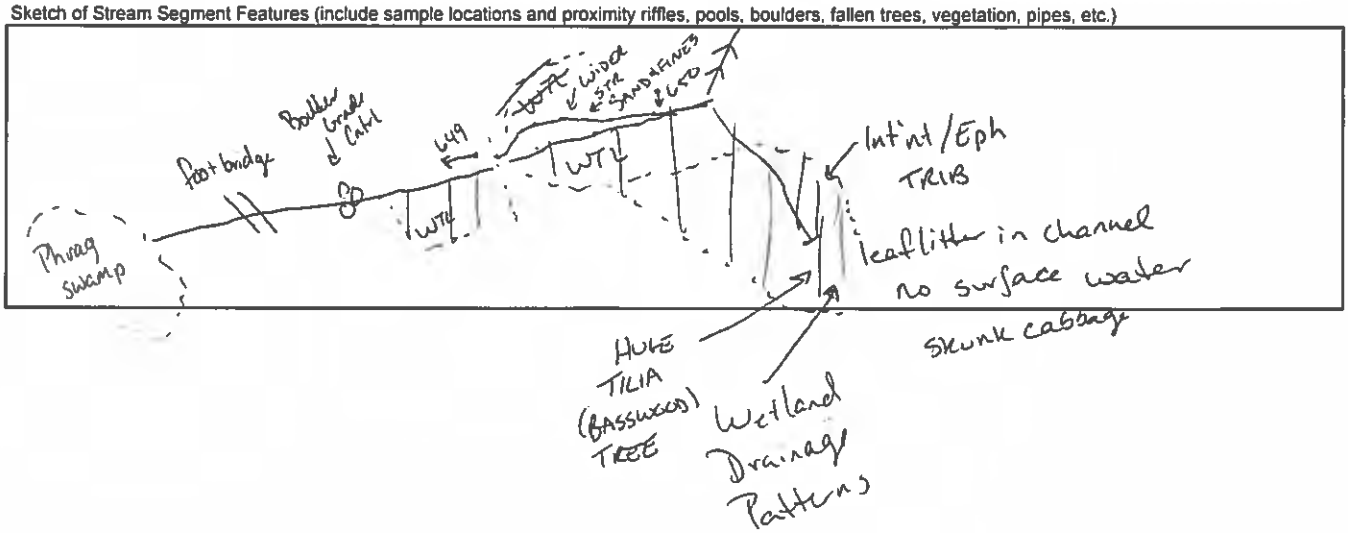
Discharge pipe(s) present within segment? Yes / No Actively flowing? Yes / No Evidence of discharge? Yes / No
Pipe diameter (ft): Pipe construction: (Concrete, Metal, Plastic, etc) Odor: (Sewage, Chlorine, etc.)

Fish observed: Yes / No Type:

Invertebrates observed: Yes / No Type: Caddisfly 2+ families netspinner (Hydropsychidae) None other

Other wildlife observed: Yes / No Type: Deer evidence

Sketch of Stream Segment Features (include sample locations and proximity riffles, pools, boulders, fallen trees, vegetation, pipes, etc.)



Stream Exposure Area Characterization Sheet
Camp Hero, Montauk, New York

Date 06/07/2017
Time 16
Staff R. MacPhee
Weather Sunny ~60°F

Location IDs within Stream Segment	DU06, DU05 SWSD-100-110

Has there been heavy rain within last 7 days? Yes / No

Stream Width (ft) 32
Stream Segment Length (ft) ~23
Water Depth (ft): 1'

Bottom Type: Silt and organic (Sands, Gravel, Cobble, Boulder, Bedrock, etc)
Revetted Stream: (Yes) No
Water Velocity (ft/sec) very slow trickle

Does channel appear to have perennial flow? Yes / (No) Comments
Is stream unshaded (looking downstream)? Left side - Yes / (No) Right side - Yes / (No) Comments heavy tree cover while down
Is sediment deposition occurring in the channel? Yes / (No) Comments
Has stream channel eroded into the Calvert formation? (NA) Yes / No Comments
Is erosion occuring along stream banks? Left side - Yes / (No) Right side - Yes / No Comments
Is vegetation growing in the channel? (Yes) / No Type Skunk Cabbage, other emergent veg.
Land use left side (looking downstream) wetlands / forest Wetlands present on left side? (Yes) No
Land use right side (looking downstream) wetlands / forest Wetlands present on right side? (Yes) No
Trash present in the channel? Yes / (No) Type

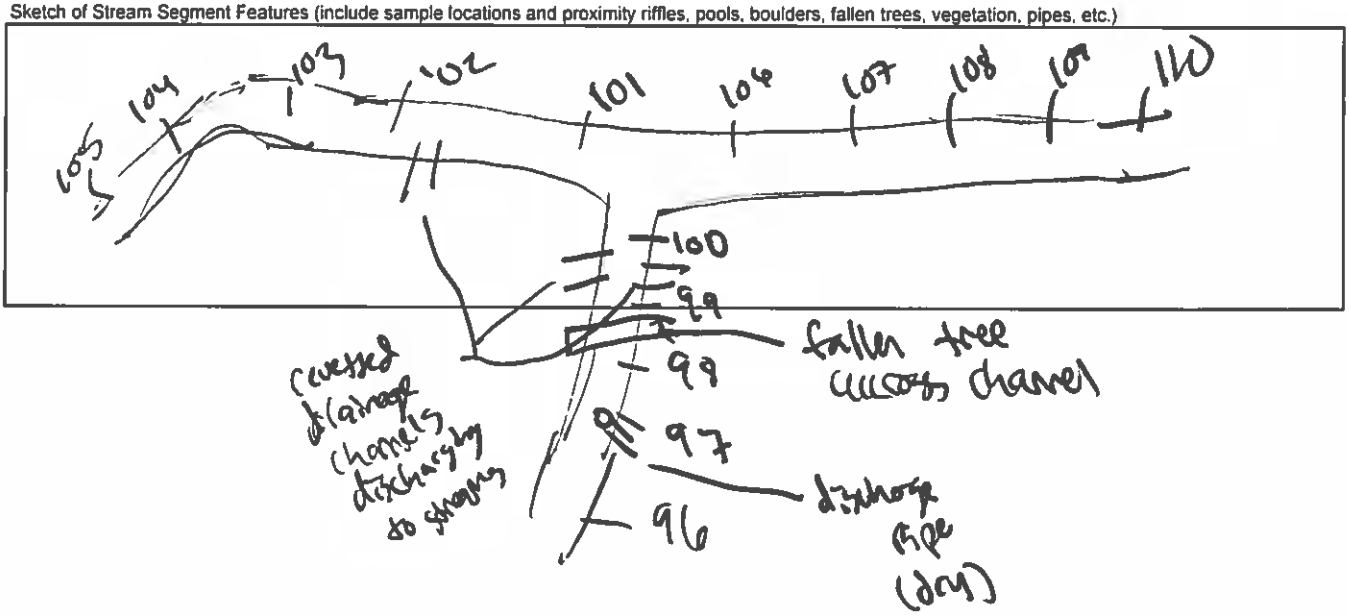
Floc present in channel? Yes / (No) % of bottom covered: NA Color of floc? NA

Groundwater discharge/seep observed? Yes / (No) Comments

Discharge pipe(s) present within segment? (Yes) / No Actively flowing? Yes / (No) Evidence of discharge? (Yes) / No erosion
Pipe diameter (in.) 8 inches Pipe construction: Steel (Concrete, Metal, Plastic, etc) Odor: none (Sewage, Chlorine, etc)

Fish observed: Yes / (No) Type
Invertebrates observed: (Yes) / No Type bugs
Other wildlife observed: (Yes) No Type turtle shell, turkeys

Sketch of Stream Segment Features (include sample locations and proximity riffles, pools, boulders, fallen trees, vegetation, pipes, etc.)



Stream Exposure Area Characterization Sheet
Camp Hero, Montauk, New York

Date: 6/7/17
Time: 1200
Staff: Rachel MacPhee
Weather: Cloudy ~60°F

Location IDs within Stream Segment	CH-SWSD127 TO 139 DUP5

Has there been heavy rain within last 7 days? Yes / No

Stream Width (ft) @ 1 ft: 25'
Stream Segment Length (ft):
Water Depth (ft) @ 1 ft: 5'

Bottom Type: Silty sediment (Silts, Sands, Gravel, Cobble, Boulder, Bedrock, etc)
Revetted Stream: (Yes) No
Water Velocity (ft/sec): N.O flows - standing water

Does channel appear to have perennial flow? Yes / (No) Comments:
Is stream unshaded (looking downstream)? Left side - Yes / (No) Right side - Yes / (No) Comments: moderate - heavily shaded
Is sediment deposition occurring in the channel? (Yes) / No Comments: Sediment in bottom of channel
Has stream channel eroded into the Calvert formation? (N/A) Yes / No Comments:
Is erosion occuring along stream banks? Left side - Yes / (No) Right side - Yes / (No) Comments:
Is vegetation growing in the channel? Yes / (No) Type:
Land use left side (looking downstream): Forest / Wetland — Wetlands present on left side? (Yes) / No
Land use right side (looking downstream): Forest / wetland — Wetlands present on right side? (Yes) / No
Trash present in the channel? Yes / (No) Type:

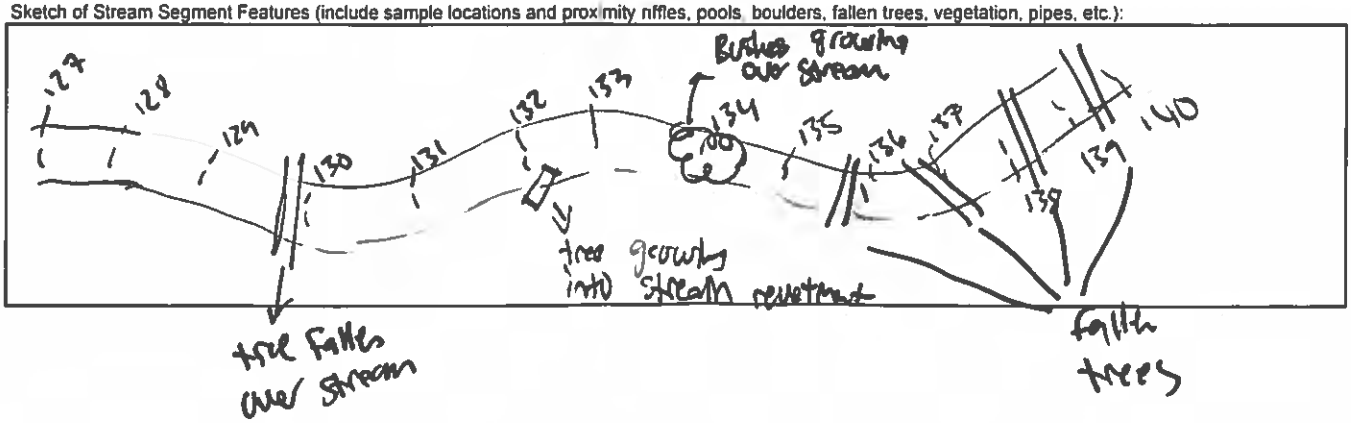
Floc present in channel? Yes / (No) % of bottom covered: Color of floc:

Groundwater discharge/seep observed? Yes / (No) Comments:

Discharge pipe(s) present within segment? Yes / (No) Actively flowing? Yes / No N/A Evidence of discharge? Yes / (No)
Pipe diameter (ft): N/A Pipe construction (Concrete, Metal, Plastic etc.): N/A Odor (Sewage, Chlorine etc): N/A

Fish observed: Yes / (No) Type: N/A
Invertebrates observed: (Yes) / No Type: dead salamander near SWSD-139
Other wildlife observed: (Yes) / No Type: turkeys

Sketch of Stream Segment Features (include sample locations and proximity riffles, pools, boulders, fallen trees, vegetation, pipes, etc.):



* Fallen trees caught on top of revetment, not touching water or sediment in the stream channel *

Appendix I7

Soil Borings Logs and Sampling Forms

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AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU01	**Hole ID:** DU01-S001
Project Number: 60443903	*Northing:*	Total Depth (feet): 10
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/14/17 1426
Driller: E. Pope	Elevation (feet MSL): *Ground:*	Date / Time Finished: ↓ 1435
Drilling Equipment: Geoprobe 6620DT	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Roto Sonic~~ DP	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments: Sunny 76°	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILT, soft, dry, dark yellowish brown (10YR 3/4), cohesive non-plastic.				DP			1426		Ambient PID: 0.1 ppm
							0.0			0-2' silt, with rare roots, trace sand
				3.4 / 5.0		(1)	0.1			
	grading to very soft, yellowish brown (10YR 5/4)						0.2			
							0.1			DU01-S001-01-10 1435
5					DP					
	grading to SILT WITH SAND, dense, dry, dark grayish brown (10YR 4/2)						0.2			
				4.2 / 5.0		(2)	1.9			
							65.7			ODOR (petro?)
							173.6			
							735.4	1435		
10										
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE1\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI.GPJ, AECOM, 15.05

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM

Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU01	Hole ID: DU01-S002
Project Number: 60443903	Northing:	Total Depth (feet): 10
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/14/17 1412
Driller: E. Pope	Elevation (feet MSL): Ground:	Date / Time Finished: ↓
Drilling Equipment: Geoprobe 6620DT	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: NA 1420
Drilling Method: ~~Roto Sonic~~ DP	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments: sunny 76°	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SANDY SILT, soft, brown (10YR 4/3), cohesive, non-plastic, 30% fine sand			1.9/5.0	DP	1	0.3	1412		Ambient PID: 0.2ppm DU01-S002-01-10 1425
							0.2			
5	grading to very dark grayish brown (2.5Y 3/2).			4.0/5.0	DP	2	0.3			
							0.4			
							1.7			
10							0.5	1420		
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM

Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU01	Hole ID: DU01-S003
Project Number: 60443903	Northing:	Total Depth (feet): 10
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/14/17 1050
Driller: E. Pope	Elevation (feet MSL): Ground:	Date / Time Finished: ↓ 1103
Drilling Equipment: Geoprobe 6620DT	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Roto Sonic~~ DP	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments: Sunny 74°	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILT, soft, dry, very dark gray (2.5Y 3/1)				DP			1050		Ambient PID: 0.1 ppm
	SANDY SILT, soft, dry, brown (10YR 4/3), cohesive, non-plastic micaceous.			4.1/5.0		1	0.3 0.2 0.2 0.1			DU01-S003-01-10 1105
5					DP		0.1			
				1.2/5.0		2	0.1			POOR RECOVERY
10								1103		
15										

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USCS Name, **Consistency/Density** (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). **Moisture** (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM

Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU01-	Hole ID: DU01-S004
Project Number: 60443903	Northing:	Total Depth (feet): 10
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/14/17 1042
Driller: E. Poze	Elevation (feet MSL): Ground:	Date / Time Finished: ↓ 1047
Drilling Equipment: Geoprobe 6620DT	Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Roto-Sonic~~ DP	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments:	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILT WITH SAND, soft, dry, dark yellowish brown (10YR 4/4) pulverized rock/concrete				DP			1042		Ambient PID: 0.1 ppm
	SILT, soft, dry, very dark gray (10YR 3/1)			3.5 / 5.0		(1)	0.0			DU01-S004-01-10 1050
	grades to very dark grayish brown micaceous (2.5Y 3/2)						0.0			
							0.0			
							0.0			
5					DP					
				4.3 / 5.0		(2)	0.0			
							0.0			
							0.0			
10								1047		
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

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AECOM

Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU01	Hole ID: DU01-S005
Project Number: 60443903	Northing:	Total Depth (feet): 10
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/14/17 1356
Driller: E. Pope	Elevation (feet MSL): Ground:	Date / Time Finished: ↓ 1401
Drilling Equipment: Geoprobe 6620DT	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Roto Sonic~~ DP	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments: Sunny 76°	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SANDY SILT, soft, dry, brown (10YR 5/3), 30% fine sand, cohesive, non-plastic			2.3 / 5.0	DP	1	0.0 0.0 0.0	1356		0-2" SANDY SILT w/grass + roots DU01-S005-01-10 1405
5	SILTY SAND, loose, moist, olive brown (2.5Y 4/3), fine to med sand, slightly cohesive			2.8 / 5.0	DP	2	0.0 0.3 1.2			
	wet sub-rounded gravel to 2 cm LEAN CLAY, stiff, dry, dark grayish brown (10YR 4/2)						120.1 86.9	1401		
10										
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

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AECOM

Soil Boring Log

Sheet 1 of 1

Project Name: CAMP HERO	Site: DU01	Hole ID: DU01-S006
Project Number: 60443903	*Northing:*	Total Depth (feet): 10
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/14/17 1403
Driller: E. Pope	Elevation (feet MSL): *Ground:*	Date / Time Finished: ↓ 1410
Drilling Equipment: Geoprobe 6620DT	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Roto Sonic~~ DT	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments:	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	SANDY SILT, soft, dry, grayish brown (2.5Y 5/2)				DP			1403		0-2" SANDY SILT w/ grass + roots
	SILT WITH SAND, soft, dry, dark grayish brown (2.5Y 4/2) 20% fine sand, cohesive, non-plastic			3.0 / 3.0		1	94.7			DU01-S006-01-10 1415
5							217.0			
					DP					
	trace rounded gravel to 1 cm			2.7 / 5.0		2	~~94.7~~ 355 ~~217.0~~	1410		
10										
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM

Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DV01	Hole ID: DV01-S007
Project Number: 60443903	*Northing:*	Total Depth (feet): 10
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 8/14/17 1058
Driller: E. Pope	Elevation (feet MSL): *Ground:*	Date / Time Finished: 1106
Drilling Equipment: Geoprobe 6620DT	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Rote-Sonic~~ DP	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments: sunny 74°	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILT WITH SAND, soft, dry, dark yellowish brown (10YR 3/4) pulverized rock/concrete				DP		0.1	1058		Ambient PID: 0.1 ppm
	POORLY GRADED SAND, loose dry, yellowish brown (10YR 5/4)			2.7 / 5.0		(1)	0.1			
	SILT, soft, dry, olive gray (5Y 4/2) ↓						0.2			DV01-S007-01-10 1110
							1.5			
5					DP					
							5.1			
				4.5 / 5.0		(2)	1.6			
							1.0			
							1.6			
10							82.5	1106		ODOR (petro?)
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENETHAY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI GP2, 4/6/10, 15:05

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU01	Hole ID: DU01-SO08
Project Number: 60443903	*Northing:*	Total Depth (feet): 10.0
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/14/17 1040
Driller: Zack	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/14/17 1045
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed:
Drilling Method: ~~Roto Sonic~~ DP	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: sunny, 80°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	SILTY SAND, dense, dry, light brown, m sand, poorly sorted, silt, dense, light, massive, slightly cohesive, non plastic trace gravel			3/5	DP	1	0.1 0.1 0.1 0.2	1040		0-2" silty sand, trace grass, dry
5	sand lens, moist, m-f sand						0.1			
	FAT CLAY, soft, dry, reddish brown, cohesive & plastic,			2.7/5	DP	2	0.1			
	sand lens, moist, m-f sand,						0.1			
	crushed rock, pulverized									
10	SILTY SAND, SAA							1045		
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE1\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI.GPJ, 4/8/10, 15:05

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM

Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU01	Hole ID: DU01-SO09
Project Number: 60443903	*Northing:*	Total Depth (feet): 10
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/14/17 1226
Driller: E. Pope	Elevation (feet MSL): *Ground:*	Date / Time Finished: ↓ 1234
Drilling Equipment: Geoprobe 6620DT	Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Rota Sonic~~ DP	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments: sunny 750	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SANDY SILT, loose, dry, dark yellowish brown (10YR 4/4) cohesive, non-plastic				DP			1226		Ambient PID: 0.4 ppm
				3.5/5.0		(1)	0.4			DU01-SO09-01-10 1235
							0.5			
							0.4			
5	LEAN CLAY, stiff, dry, very dark grayish brown (10YR 3/2) low plasticity				DP					
							0.5			
				4.4/5.0		(2)	0.5			
							0.5			
							0.5	1234		
10										
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE1\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI GP1, 4/5/10, 15:05

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Shelby Tube

AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DV01	Hole ID: DV01-S009
Project Number: 60443903	Northing:	Total Depth (feet): 15.0
Drilling Contractor: ADT	Easting:	Date / Time Started: 6/8/17 0911
Driller: Dave Moon	Elevation (feet MSL): Ground:	Date / Time Finished: 6/8/17 0923
Drilling Equipment: Fraste XL	▼ Water Depth During Drilling (feet bgs)	Date / Time Completed: 6/8/17
Drilling Method: Roto Sonic	Logged By: A. Border	Checked By:
Borehole Diameter (inches): 5.5	Weather/Comments: sunny, calm winds	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted/Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	Organic soil, grass, leaves, wet									
	SILTY SAND dense, moist, reddish brown, m sand, poorly sorted, sub rounded, root stringers trace gravel, silt, cohesive, not plastic,						0.4			
				2.8/5	S	1	0.5			
							0.8			
	coarser sand at 4' bgs, well sorted						0.7			
5								0911		
	SILTY CLAY, soft, dry to moist, light reddish brown, trace f. sand, silt & clay, cohesive & plastic. v. soft						1.1			
				3.5/5	S	2	1.2			
	LEAN CLAY/FAT CLAY, v. dense, dry, light reddish brown, silt & clay. cohesive, plastic, v. tight, trace fine sands						2.4			
							3.8			
10								0917		
							4.2			
				3.7/5	S	2	2.7			
							3.1			
							4.9			SHELBY TUBE 15-17'
								0923		
15										

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USCS Name. Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

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AECOM

Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU01	**Hole ID:** DU01-SO10
Project Number: 60443903	*Northing:*	Total Depth (feet): 10
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/14/17 1217
Driller: E. Pope	Elevation (feet MSL): *Ground:*	Date / Time Finished: ↓ 1224
Drilling Equipment: Geoprobe 6620DT	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Roto-Sonic~~ DP	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments:	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILT WITH SAND, soft, dry, brown (10YR 4/3) 15% fine sand cohesive, non-plastic micaceous		ML	2.9/5.0	DP	(1)	0.5 0.5	1217		DU01-SO10-01-10 1215
5	grading to dark grayish brown (2.5Y 4/2)			2.0/5.0	DP	(2)	0.6 0.5	1224		
10										
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM

Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU01	**Hole ID:** DU01-SO11
Project Number: 60443903	*Northing:*	Total Depth (feet): 10
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/14/17 1110
Driller: E. Pope	Elevation (feet MSL): *Ground:*	Date / Time Finished: ↓ 1118
Drilling Equipment: Geoprobe 6620DT	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Roto-Sonic~~ DP	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments: sunny 75°	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILT WITH SAND, medium stiff, dry, dark yellowish brown (10YR 4/4), 15% fine sand, cohesive				DP		0.4	1110		Ambient PID: 0.4 ppm
	POORLY GRADED SAND, loose, dry, dark yellowish brown (10YR 4/4), fine to medium sand			1.9 / 5.0		(1)	0.6			DU01-SO11-01-10 1115
5	SANDY SILT, soft, dry, olive gray (5Y 4/2)				DP		0.4			
				3.3 / 5.0		(2)	0.4			
							76.0			
							368.0			
10							288.1	1118		
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU01	Hole ID: DU01-SO12
Project Number: 60443903	Northing:	Total Depth (feet): 10.0
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/14/17 1450 10.5
Driller: Zack Fortier	Elevation (feet MSL): Ground:	Date / Time Finished: 6/14/17 1500 1030
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/14/17
Drilling Method: ~~Roto Sonic~~ DP	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: sunny, 80°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILTY SAND, loose, dry, light brown, m sand, poorly sorted, trace to some silt, trace gravel			5/5	DP	1	0.1			0-2"; organic loamy soil, grass, roots
							0.1			DU01-SO12-01-10 ~~1515~~ 1030 01-10 VOCs/SVOCs, metals/Hg
							0.1			
							0.1	1015 1440		
5							0.0			
	coarse lens, v. poorly sorted, dry			5/5	DP	2	0.0			
	FAT CLAY, soft, dry, dark reddish brown, clay & silt, cohesive & plastic, trace f sand						0.0			
10								1030 1445		
15										

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USCS Name. **Consistency/Density** (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU01	Hole ID: DU01-S013
Project Number: 60443903	Northing:	Total Depth (feet): 10
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/14/17 1242
Driller: E. Pope	Elevation (feet MSL): Ground:	Date / Time Finished: ↓ 1250
Drilling Equipment: Geoprobe 6620DT	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Roto-Sonic~~ DP	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments:	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILT WITH SAND, soft, dry, dark yellowish brown (10YR 4/6) fine sand 15% cohesive, non-plastic			3.2/5.0	DP	(1)	0.0 0.0 0.0	1242		Ambient PID: 0.0 ppm DU01-S013-01-10 1245
5	LEAN CLAY, stiff, dry, dark yellowish brown (10YR 4/4) low plasticity POORLY GRADED SAND WITH GRAVEL loose, dry, yellowish brown (10YR 5/6), non-cohesive, 15% well-graded sub-angular gravel to 2 cm			4.0/5.0	DP	(2)	0.0 0.0 0.0 0.0	1250		
10										
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

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Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU01	Hole ID: DU01-SO14
Project Number: 60443903	Northing:	Total Depth (feet): 10
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/14/17 1252
Driller: E. Pope	Elevation (feet MSL): Ground:	Date / Time Finished: ↓ 1258
Drilling Equipment: Geoprobe 6620DT	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Roto Sonic~~ DP	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments: sunny 76°	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SANDY SILT, medium stiff, dry, dark yellowish brown (10YR 4/4) cohesive, non-plastic		ML	2.3/5.0	DP	1	0.1 0.0 0.0	1257		DU01-SO14-01-10 1300
5	trace sub-rounded gravel to 1 cm			3.8/5.0	DP	2	0.0 0.0 0.0 0.0	1258		
10										
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

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BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

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Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU01-	Hole ID: DU01-S015
Project Number: 60443903	*Northing:*	Total Depth (feet): 10
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/14/17 1205
Driller: E. Pope	Elevation (feet MSL): *Ground:*	Date / Time Finished: ↓ 1015
Drilling Equipment: Geoprobe 6620DT	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Roto Sonic~~ DP	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments:	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILT WITH SAND, medium stiff, dry, dark yellowish brown (10YR 4/4) 15% fine sand, micaceous				DP			1205		Ambient PID: 1.0
							0.9			
				3.3 / 5.0		(1)	0.8			
	pulverized concrete/rock						0.9			
								1208		DU01-S015-01-10 1200
5					DP					
							0.9			
				3.4 / 5.0		(2)	0.9			
							2.0			
							140.5		)	ODOR (petro?)
10								~~1015~~ 1215	MC	
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

Shelby Tube

AECOM
Soil Boring Log

Sheet 1 of 12

Project Name: Camp Hero	Site: DV01	**Hole ID:** DV01-SO15
Project Number: 60443903	*Northing:*	Total Depth (feet): 22
Drilling Contractor: ADT	*Easting:*	Date / Time Started: 6/8/17 1053
Driller: Dave Moon	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/8/17 ~~1134~~ 1250
Drilling Equipment: Fraste XL	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/8/17
Drilling Method: Roto Sonic	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 5.5	Weather/Comments: sunny, 70°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	SILTY SAND, soft, wet, dark brown, m sand, poorly sorted, sub rounded, silt, cohesive, non plastic			3/5	S	1	4.7			
							5.2			
	dense to tight at						2.3			
							237			
5								1053		
	trace ~~clay~~ gravel, dry						234			
							634			
	SAND, loose, wet, light grayish brown, m sand poorly sorted, sub rounded, trace silt, slightly cohesive			4.1/5	S	2	211			
							376			
	FAT CLAY, tight, dry, grayish brown, silt & clay, cohesive, plastic (moderate), trace sand and gravel									
10							439			
				4.3/5	S	3	572			
							688			
							871			
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

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Soil Boring Log (Continued)

Sheet 2 of 2

Project Name: Camp Hero | Site: DU01 | Hole ID: DU01-SO15

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	FAT CLAY cont						774			
							1054			
				4.2/5	S	4	457			
	SILTY CLAY, SAA									
20							63.9	1115		
	SHELBY TUBE									~~20-22~~ 25-27
	FAT CLAY									
25										
	SHELBY TUBE							1250		Shelby tube collected 25-27
30										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU01	**Hole ID:** DU01-SO16
Project Number: 60443903	*Northing:*	Total Depth (feet): 10
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/14/17 1014
Driller: E. Pope	Elevation (feet MSL): *Ground:*	Date / Time Finished: ↓ 1021
Drilling Equipment: Geoprobe 6620DT	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Rotо-Sonic~~ DP	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments: sunny, 73°	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SANDY SILT, soft, dry, dark yellowish brown (10YR 4/4)		ML	4.0 / 5.0	DP	1	0.0 0.0 0.0 0.0	1014		Ambient PID: 0.0 ppm DU01-SO16-01-10 1015
5	LEAN CLAY WITH SAND, stiff, dry, brown (10YR 5/3) 15% fine sand, low plasticity, micaceous		CL	4.5 / 5.0	DP	2	0.0 0.0 0.0			
10	LEAN CLAY						0.0	1021		
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE1\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI.GPJ, 4/6/10, 15:05

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

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Surface Soil Sampling Form

AECOM

LOCATION	Project Name: Camp Hero Remedial Investigation, Phase III	Project #: 60443903.4.5
	Decision Unit: DU02	

Sample ID (List Duplicate, MS/MSD samples)	Sample Date	Sample Time	Sample Matrix	Sample Depth	Sampled By	Sample Type (Composite/ Discrete)	Soil Type	Moisture Content	PID Screening (Y - Result/N)	0 - 2 in. Observations (Grass, Roots, Gravel, etc.)	Analytical Parameters
DU02-S004-00-01	6/16/17	1000	SO	00-01	~~HH~~AB	Discrete	SM	D	Y-11.7	fragmites, leaf cover	metals / Hg (Pet sm II)
DU02-S008-00-01		1005	SO	00-01	AB	Discrete	SM	D	N	grassy, silty sand	metals / Hg
DU02-S012-00-01		1010	SO	00-01	AB	Discrete	SM	D	N	ferns, silty sand	metals / Hg
DU02-S016-00-01		1015	SO	00-01	AB	Discrete	SM	D	N	ferns, silty sand	metals / Hg
DU02-S003-00-01		1045	SO	00-01	AB	Discrete	CL	M	N	leaf cover, frag	metals / Hg
DU02-S007-00-01		1050	SO	00-01	AB	Discrete	CL	W	N	leaf cover, muddy	metals / Hg
(DUP) DU02-S011-00-01		1055	SO	00-01	AB	Discrete	OH	D	N	mossy, wet	metals / Hg
DU02-S015-00-01		1100	SO	00-01	AB	Discrete	OH	D	0.1	mossy, roots	metals / Hg
DU02-S002-00-01		1115	SO	00-01	AB	Discrete	OH	W	N	wetland, silty, roots	metals / Hg
DU02-S006-00-01		1120	SO	00-01	AB	Discrete	OH	W	N	wetland, silty, roots	metals / Hg
DU02-S010-00-01		1125	SO	00-01	AB	Discrete	OH	W	0.0	wetland, silty, moss	metals / Hg
DU02-S014-00-01		1130	SO	00-01	AB	Discrete	OH	D	N	roots, silty, loamy	metals / Hg
DU02-S001-00-01		1210	SO	00-01	AB	Discrete	OH	W	N	wetland, silty, loamy	metals / Hg, Cr
DU02-S005-00-01		1215	SO	00-01	AB	Discrete					metal / Hg
DU02-S009-00-01		1220	SO	00-01	AB	Discrete	OH	W	N	wetland, silty, loamy	metals / Hg
DU02-S013-00-01		1225	SO	00-01	AB	Discrete	OH	W	0.2	wetland, silty, loamy	metals / Hg
			SO			Discrete					metals / Hg
			SO			Discrete					
			SO			Discrete					
			SO			Discrete					
			SO			Discrete					
			SO			Discrete					
			SO			Discrete					

Comments

Moisture Content
D - Dry
M - Moist
W - Wet
S - Saturated
Soil Type Options

Soil Type (Refer to Soil Description Sheets)	
GW	well-graded gravel, fine to coarse gravel
GP	poorly graded gravel
GM	silty gravel
GC	clayey gravel sand
SW	well-graded sand, fine to coarse sand
SP	poorly graded sand
SM	silty sand
SC	clayey sand
ML	silt
CL	clay of low plasticity, lean clay
OL	organic silt, organic clay
MH	silt of high plasticity, elastic silt
CH	clay of high plasticity, fat clay
OH	organic clay, organic silt
Pt	peat

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AECOM

Soil Boring Log

Sheet 1 of ~~2~~ 1

Project Name: Camp Hero	Site: DV03	**Hole ID:** DV03-S001
Project Number: 60443903	*Northing:*	Total Depth (feet): 2.0
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/15/17 1311
Driller: Evan	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/15/17 1318
Drilling Equipment: HA	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed:
Drilling Method: ~~Roto-Sonic~~ HA	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: Sunny, 66°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	organic soil: 0-2", black organic matter, roots, moss, trace sand			~~1/1~~ 1/1	HA	1	0.0			DV03-S001-00-01 1330 00-01 SVOC, metal, Gr
							0.0			
1	SAND, loose, moist to wet, m sand, poorly sorted, light brown, trace roots							1311		DV03-S001-01-02 1335 01-02 SVOCs, metal
	SAA, less organics			1/1	HA	2	0.0			
2							0.0			
								1318		

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE1\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI.GPJ, AS/10, 15:05

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

SN = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

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AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU03	**Hole ID:** DU03-SO02
Project Number: 60443903	*Northing:*	Total Depth (feet): 2.0
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/15/17 1256
Driller: Evan	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/15/17 1300
Drilling Equipment: HA	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed:
Drilling Method: ~~Roto Sonic~~ HA	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: sunny, 60°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	0-2'; fragmites, wet, mossy, limited soil						0.0			
	SAND, loose, wet, light gray, m-c sand, poorly sorted, trace silt, decaying organics, roots, fragmities			1/1	HA	1	0.0			1305
1								1256		
	organics, roots, fragmites, m-c sand mixed			1/1	HA	2	0.0			1317
							0.0			
2.0							0.0	1300		

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE1\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI.GPJ, 4/5/10, 15:05

USCS Name, **Consistency/Density** (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
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Form: 00-BLANK LOG

AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU03	**Hole ID:** DU03-SO03
Project Number: 60443903	*Northing:*	Total Depth (feet): 2.0
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/15/17 1231
Driller: Evan	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/15/17 1238
Drilling Equipment: HA	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed:
Drilling Method: ~~Roto-Sonic~~ HA	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: sunny, 66°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	0-2": moss, wet, roots									DU03-SO03-00-01 1235 00-01 SVOCs, metals
	SILTY SAND, loose, wet, light gray, m-c sand, well sorted, trace to some wood/tree fragments, roots			1/1	HA	1	0.0			
							0.0			DU03-SO03-01-02 1250 01-02 SVOCs, metals
1								1231		
	soft, organic material mixed w/ silty sand, wet						4.4			
				1/1	HA	2	5.8			
							7.1			
2								1238		

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USCS Name, **Consistency/Density** (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
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BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

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Soil Boring Log

Sheet 1 of 2

Project Name: Camp Hero	Site: DU03	Hole ID: DU03-S004
Project Number: 60443903	Northing:	Total Depth (feet): 2.0
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/15/17 1220
Driller: Evan Wievoria	Elevation (feet MSL): Ground:	Date / Time Finished: 6/15/17 1225
Drilling Equipment: HA	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed:
Drilling Method: ~~Roto Sonic~~ HA	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: SUNNY, 67°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	0-2": mossy, dense organic matter (moss, roots, other vegetation)			1/1	HA	1	0.0			DU03-S004-00-01 1225 00-01 SVOCs, metals
	SAND, soft/loose, wet, light gray, m-c sand, poorly sorted, trace silt, roots and other vegetation (moss)						0.0			
1 1/2								1220		DU03-S004-01-02 1230 01-02 SVOCs, metals
	Organic material, moss, leaves, decaying organic material, trace amount of sand, m-c, wet			1/1	HA	2	13.3			
							11.8			
2							0.7	1225		
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM

Soil Boring Log

Sheet 1 of 1

Project Name: Camp	Site: DU03	Hole ID: DU03-S005
Project Number: 60443903	Northing:	Total Depth (feet): 2.0
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/15/17 1338
Driller: Evan	Elevation (feet MSL): Ground:	Date / Time Finished: 6/15/17 1343
Drilling Equipment: HA	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed:
Drilling Method: ~~Roto Sonic~~ HA	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: sunny, 66°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted/Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	0-2": silty clay, moist, roots, wet						0.0			DU03-S005-00-01 1355 00-01 SVOCs, metal
	SILTY/CLAY, soft, wet, silt & clay, cohesive, slightly plastic, f. sand, poorly sorted			1/1	HA	1	0.0			
1.5							0.0	1338		DU03-S005-01-~~02~~ 1400 01-02 SVOCs, metals
	color change, dark gray to black, increasing sand %,			1/1	HA	2	0.0			
2							0.0			
							0.0	1343		
10										
15										

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Form: 00-BLANK LOG

AECOM
Soil Boring Log

Sheet 1 of 51

Project Name: Camp Hero	Site: DU03	Hole ID: DU03-S006
Project Number: 60443903	*Northing:*	Total Depth (feet): 2.0
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/15/17 1425
Driller: Evan	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/15/17 1430
Drilling Equipment: HA	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed:
Drilling Method: ~~Roto Sonic~~ HA	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: sunny, 66°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	0-2": loamy silty sand, black, roots and grass						0.0			1500
	SILTY SAND, soft, moist to wet, plastic, cohesive, trace fine sand			1/1	HA	1	0.0			
							0.0			
1.8								1425		
	fine sands, well sorted, moist to wet						0.0			1505
				1/1	HA	2	0.0			
2.0							0.0	1430		
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE1\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI.GPJ, 4/8/10, 15:05

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
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Form: 00-BLANK LOG

AECOM
Soil Boring Log

Sheet 1 of 21

Project Name: Camp Hero	Site: DU03	**Hole ID:** DU03-S007
Project Number: 60443903	*Northing:*	Total Depth (feet): 2.0
~~Drilling Contractor~~: E NA	*Easting:*	Date / Time Started: 6/16/17 0841
~~Driller~~: NA	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/16/17 0850
Drilling Equipment: HA	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed:
Drilling Method: ~~Roto Sonic~~ HA	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: sunny, 62°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	0-2": roots, massy, silty clay soft						0.0			DU03-S007-00-01 0805 00-01 SVOCs, metals
	SILTY CLAY: soft, moist to wet, silt & clay, cohesive, slightly plastic, trace to some f sand, roots, trace fragmites, woody debris			1/1	HA	1	0.0			
							0.0			
1								0841		DU03-S007-01-02 0810 01-02 SVOCs, metals
				1/1	HA	2	0.0			
							0.0			
2							0.0			
								0850		
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI.GPJ, 4/6/10, 15:05

USCS Name, **Consistency/Density** (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
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AECOM
Soil Boring Log

Sheet 1 of ~~1~~ 1

Project Name: Camp Hero	Site: DU03	**Hole ID:** DU03-S008
Project Number: 60443903	*Northing:*	Total Depth (feet): 2.0
Drilling Contractor: NA	*Easting:*	Date / Time Started: 6/16/17 0835
Driller: NA	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/16/17 0839
Drilling Equipment: HA	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed:
Drilling Method: ~~Roto Sonic~~ HA	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: Sunny, 61°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	0-2": silty clay, trace f. sand, root stringers, some moss						0.0			DU03-S008-00-01 0825 00-01 SVOCs, metals
	SILTY CLAY, soft, moist to wet, silt & clay, cohesive & plastic, f sand, well sorted			1/1	HA	1	0.1			
							0.0			
1.5	some m sand, light brown						0.0	0835		DU03-S008-01-02 0830 01-02 SVOCs, metals
	mossy, roots mixed w/ f sand, silt, clay, wet			1/1	HA	2	0.0			
							0.0			
R 2.0							0.0	0839		

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
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BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

AECOM

Soil Boring Log

Sheet 1 of ~~1~~ 2

Project Name: Camp Haro	Site: DU03	Hole ID: DU03-S009
Project Number: 60443903	*Northing:*	Total Depth (feet): 2.0
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/15/17 1352
Driller: Evan	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/15/17 1405
Drilling Equipment: HA	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed:
Drilling Method: ~~Roto Sonic~~ HA	Logged By: A. Barden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: Sunny, 66°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	0-2": sand, loose, poorly sorted, wet, limited roots						0.0			DU03-S009-00-01
	SAND, SAA, light grayish brown, oxidation staining, poorly sorted, wet			1/1	HA	1	0.0			1410 00-01 SVOCs, metals
							0.0			DU03-S009-01-02
1								1352		1415 01-02 SVOCs, metals
	fine sand, trace silt, light gray, wet						0.0			
				1/1	HA	1	0.0			
	coarse sand at bottom						0.0			
2								1405		

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE\MY DOCUMENTS\PROJECTS\MIKE POMPU\ANIOLU\ALUALEI.GPJ, 4/6/10, 15:05

15

USCS Name. Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DV03	**Hole ID:** DV03-SO10
Project Number: 60443903	*Northing:*	Total Depth (feet): 2.0
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/15/17 1445
Driller: Evan	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/15/17 1451
Drilling Equipment: HA	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed:
Drilling Method: ~~Roto Sonic~~ HA	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: SUNNY, 67°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted/Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	0-2"- silty sand, loose, moist to wet, roots & some moss						0.0			DV03-SO10-00-01 1525 00-01 SVOCs, metals
	SILTY SAND, loose, moist to wet, f sand, poorly sorted, silt, cohesive, slightly plastic			1/1	HA	1	0.0			
							0.0			
1.5	fine sand, well sorted, soft							1445		DV03-SO10-01-02 1530 01-02 SVOCs, metals
							0.0			
				1/1	HA	1				
							0.0			
2							0.0			
								1451		

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE1\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI.GPJ, 4/8/10, 15:05

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). **Moisture**, (dry, moist, wet). **Color Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM
Soil Boring Log

Sheet 1 of ~~2~~ 1

Project Name: Camp Hero	Site: DU03	Hole ID: DU03-S011
Project Number: 60443903	*Northing:*	Total Depth (feet): 2.0
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/16/17 0800
~~Driller:~~ NA	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/16/17 0805
Drilling Equipment: HA	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed:
Drilling Method: ~~Roto Sonic~~ DP	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: sunny, 60°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	0-2", leafy bottom, adjacent to tributary, soft, silty sand			1/1	HA	1	0.0			DU03-S011-00-01 0755 00-01 SVOCs, metals, Cr
	SILTY SAND, soft, wet, dark brown, f sand, silt and trace clay, cohesive, flat slightly plastic, roots, mossy vegetation						0.0			
							0.0			
1								0800		DU03-S011-01-02 0800 01-02 SVOCs, metals
	wet to saturated						0.0			
	f. sand, dense, hard to break apart			1/1	HA	2	0.0			
	fewer roots at 2' bgs						0.0			
2								0805		
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI.GPJ, 4/6/10, 15:05

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM
Soil Boring Log

Sheet 1 of 3

Project Name: Camp Hero	Site: DU03	**Hole ID:** DU03-SO12
Project Number: 60443903	*Northing:*	Total Depth (feet): 2.0
~~Drilling~~ Contractor: NA	*Easting:*	Date / Time Started: 6/16/17 0817
Driller: NA	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/16/17 0822
Drilling Equipment:	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed
Drilling Method: ~~Roto Sonic~~	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: sunny,	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	0-2": silty clay, surrounding by thorn bushes, light gray, cohesive, plastic, trace leaves						0.0			DU03-SO12-00-01 0815 00-01 SVOCs, metals
	SILTY CLAY, v. soft, wet, light gray, silt @ clay, cohesive and plastic, trace f sand			1/1	HA	1	0.0			
							0.0			
1.85								0817		DU03-SO12-01-02 0820 01-02 SVOCs, metals
	increasing f sand, well sorted, cohesive, non plastic						0.0			
				1/1	HA	2				
	trace roots or other organic material						0.0			
							0.0			
2.10								0822		
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI GP3, 4/8/10, 15:05

USCS Name, **Consistency/Density** (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU03	**Hole ID:** DU03-S013
Project Number: 60443903	*Northing:*	Total Depth (feet): 2.0
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/15/17 1411
Driller: Evan	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/15/17 1418
Drilling Equipment: HA	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed:
Drilling Method: ~~Roto Sonic~~ HA	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: Sunny, 66°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	0-2"- loamy soil, soft, lots of roots						0.0			DU03-S013-00-01 1440 00-01 SVOCs, metals
	LOAMY SOIL, soft, dry, black, f sand, roots			1/1	HA	1	0.0			
							0.0	1411		DU03-S013-01-02 1445 01-02 SVOCs, metals
1.0	SAND, soft, moist to wet, f. sand, ~~silt~~ trace silt cohesive, non plastic						0.0			
				1/1	HA	2	0.0			
2.0							0.0	1418		

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE1\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI.GPJ, 4/8/10, 15:05

USCS Name, **Consistency/Density** (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
SN = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM

Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU03	**Hole ID:** DU03-SO14
Project Number: 60443903	*Northing:*	Total Depth (feet): 2.0
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/15/17 1510
Driller: Evan	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/15/17 1520
Drilling Equipment: HA	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed:
Drilling Method: ~~Roto Sonic~~ HA	Logged By: A. Border	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: Sunny, 67°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted/Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	0-2" = loose, silty sand, some gravel, roots						0.0			DU03-SO14-00-01 1540 00-01 SVOCs, metal
	SILTY SAND, loose, dry, m sand, poorly sorted, roots, silt, slightly cohesive			1/1	HA	1	0.0			
							0.0			
5								1510		DU03-SO14-01-02 1545 01-02 SVOCs, metals
	~~SAND~~ SAND, loose, dry, light brownish gray, f sand, trace silt			1/1	HA	2	0.0			
							0.0			
10								1520		
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALE).GPJ, AKS/10.15.05

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM

Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU03	**Hole ID:** DU03-SO15
Project Number: 60443903	*Northing:*	Total Depth (feet): 2.0
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/15/17 1537
Driller: Evan	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/15/17 1544
Drilling Equipment: HA	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed:
Drilling Method: ~~Roto-Sonic~~ HA	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: sunny 66°F=	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	0-2"-silty sand, loose, dry, f-m sand, well sorted, roots						0.0			DU03-SO15-00-01 1600 00-01 SVOCs, metal
				1/1	HA	1	0.0			
	SAA						0.0			
1.5	color change, light orange brown, increased silt content, slightly cohesive							1538		DU03-SO15-01-02 1605 01-02 SVOCs, metals
				1/1	HA	2	0.0			
							0.0			
2							0.0			
								1544		

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USCS Name, **Consistency/Density** (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

AECOM

Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU03	Hole ID: DU03-SO16
Project Number: 60443903	Northing:	Total Depth (feet): 2.0
Drilling Contractor: NA	Easting:	Date / Time Started: 6/16/17 0901
Driller: NA	Elevation (feet MSL): Ground:	Date / Time Finished: 6/16/17 0910
Drilling Equipment: HA	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed:
Drilling Method: ~~Roto-Sonic~~ HA	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: sunny, 61°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	0-2" silty sand, trace to no roots, organics, saturated						0.0			
	SILTY SAND, loose, saturated, m sand, poorly sorted, trace silt, slightly cohesive			1/1	HA	1	0.0			
							0.0			
1.0								0901		
	more roots and moss, higher organic content						0.0			
	trace gravel, sm, angular			1/1	HA	2	0.0			
							0.0			
2.0								0910		

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

Surface Soil Sampling Form

AECOM

LOCATION	Project Name: Camp Hero Remedial Investigation, Phase III	Project #: 60443903.4.5
	Decision Unit: DU04	

Sample ID (List Duplicate, MS/MSD samples)	Sample Date	Sample Time	Sample Matrix	Sample Depth	Sampled By	Sample Type (Composite/ Discrete)	Soil Type	Moisture Content	PID Screening (Y - Result/N)	0 - 2 in. Observations (Grass, Roots, Gravel, etc.)	Analytical Parameters
DU04-S001-00-01	06/15/17	1230	SO	0-1'	MG	Discrete	ML	dry	0.0	roots, silt w/sand	metals + Cr^{6+}
DU04-S002-00-01		1240	SO			Discrete	ML	dry	0.0	grass/roots, silt w/sand	metals
(FD) DU04-S003-00-01		1250	SO			Discrete	SM	dry	0.0	grass/roots, silty sand	
DU04-S004-00-01		1300	SO			Discrete	ML	dry	0.0	moss/roots, silt w/sand	
DU04-S005-00-01		1310	SO			Discrete	ML	dry	0.0	grass/roots/leaves, silt	
DU04-S006-00-01		1320	SO			Discrete	ML	dry	0.0	grass/roots/silt w/sand	
DU04-S007-00-01		1330	SO			Discrete	ML	dry	0.0	grass/roots, silt w/sand	
(FD) DU04-S008-00-01		1340	SO			Discrete	ML	dry	0.0	grass/roots/leaves, silt w/sand	
DU04-S009-00-01		1350	SO			Discrete	ML	dry	0.0	roots/leaves, silt with sand	
DU04-S010-00-01		1400	SO			Discrete	ML	dry	0.0	roots/leaves, silt with sand	
DU04-S011-00-01		1410	SO			Discrete	ML	dry	0.0	roots, sandy silt	metals + Cr^{6+}
DU04-S012-00-01		1420	SO			Discrete	ML	dry	0.0	roots, silt with sand	metals
DU04-S013-00-01		1430	SO			Discrete	ML	dry	0.0	roots/leaves, silt w/sand	
DU04-S014-00-01		1440	SO			Discrete	ML	dry	0.0	roots, sandy silt	
DU04-S015-00-01		1450	SO			Discrete	ML	dry	0.0	roots, sandy silt	
DU04-S016-00-01		1500	SO			Discrete	ML	dry	0.0	roots, sandy silt	
			SO			Discrete					
			SO			Discrete					
			SO			Discrete					
			SO			Discrete					
			SO			Discrete					
			SO			Discrete					

Comments

Typically, 0 - ~5" very dark grayish brown silt w/sand
5" - 12" yellowish brown sandy silt (increasing sand)
Cohesive, non-plastic
Rare gravel, predominantly fine sand

Dry to 1.0' depth

Root zone extends to ~ 5" bgs

Moisture Content
D - Dry
M - Moist
W - Wet
S - Saturated
Soil Type Options

Soil Type (Refer to Soil Description Sheets)

GW	well-graded gravel, fine to coarse gravel
GP	poorly graded gravel
GM	silty gravel
GC	clayey gravel sand
SW	well-graded sand, fine to coarse sand
SP	poorly graded sand
SM	silty sand
SC	clayey sand
ML	silt
CL	clay of low plasticity, lean clay
OL	organic silt, organic clay
MH	silt of high plasticity, elastic silt
CH	clay of high plasticity, fat clay
OH	organic clay, organic silt
Pt	peat

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AECOM

Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU05	Hole ID: DU05-S001
Project Number: 60443903	*Northing:*	Total Depth (feet): 10
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/13/17 0809
Driller: E. Pope	Elevation (feet MSL): *Ground:*	Date / Time Finished: ↓ 0815
Drilling Equipment: Geoprobe 6620DT	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Roto-Sonic~~ DP	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments: clear, sunny 74°	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILT, soft, dry, dark brown (10YR 3/3)				DP		0.4	0809		Ambient PID: 0.4 ppm
	POORLY GRADED SAND WITH SILT, medium dense, dry yellowish brown (10YR 5/4)			2.4/5.0		1	0.5			DU05-S001-00-01 0815
5					DP		0.5			
	sub-angular pulverized rock poor recovery			1.1/5.0		2				DU05-S001-01-10 0825
10								0815		
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site:	Hole ID: DU05-S002
Project Number: 60443903	*Northing:*	Total Depth (feet): 10
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/13/17 0818
Driller: E. Pope	Elevation (feet MSL): *Ground:*	Date / Time Finished: 0825
Drilling Equipment: Geoprobe 6620DT	Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Rota-Sonic~~ DP DP	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments:	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILT, soft, dry, very dark grayish brown (10YR 3/2)				DP		0.4	0818		Ambient PID: 0.5 ppm
	medium stiff, gray (2.5Y 5/1)			3.1/5.0		1	0.6			DU05-S002-00-01 0830
	POORLY GRADED SAND, loose dry, yellowish brown						0.4			
5	SILT, med. stiff, strong brown (7.5YR 5/6) very cohesive non-plastic				DP		0.5			
				5.0/5.0		2	0.5			DU05-S002-01-18 0835
	grading to grayish brown (2.5Y 5/2)						0.6			
							0.4	0825		
10										
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

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AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU05	**Hole ID:** DU05-S003
Project Number: 60443903	*Northing:*	Total Depth (feet): 2
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/13/17 1029
Driller: E. Pope	Elevation (feet MSL): *Ground:*	Date / Time Finished: ↓ 1032
Drilling Equipment: Geoprobe 6620DT	Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Roto-Sonic~~ HA	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments:	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	SILT, soft, dry, very dark grayish brown (10YR 2/3), trace fine sand		ML	1.0 / 1.0	HA	A	0.4	1030		Ambient PID: 0.5 ppm
	LEAN CLAY, soft, dry, brown (10YR 4/3) low plasticity			1.0 / 1.0	HA	2	0.6	1035		DU05-S003-00-01 1030
5										DU05-S003-01-02 1035
10										
15										

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USCS Name. **Consistency/Density** (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
Sil = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

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Soil Boring Log

Sheet 1 of 3

Project Name: Camp Hero	Site: DV05	Hole ID: DV05-~~S008~~ S004
Project Number: 60443903	*Northing:*	Total Depth (feet): 10
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/12/17 1534
Driller: E. Pope	Elevation (feet MSL): *Ground:*	Date / Time Finished: ↓ 1540
Drilling Equipment: Geoprobe 6620DT	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Roto Sonic~~ DP	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments:	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SANDY SILT, soft, dry, dark brown (7.5 YR 3/2)		ML		DP			1534		Ambient PID: 0.0 ppm
	POORLY GRADED SAND, loose, dry, yellowish brown (10YR 5/4)			3.0 / 5.0		(1)	0.0			DV05-S004-00-01 1550
							0.0			
								1536		DV05-S004-01-10 1555
5					DP					
							0.0			
	SILT WITH SAND, med. stiff, dry, very dark brown (10YR 2/2) grading to brown (10YR 5/3)		ML	4.7 / 5.0		(2)	0.0			
							0.0			
							0.0			
10								1540		
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

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Soil Boring Log

Sheet 1 of 3

Project Name: Camp Ikuk	Site: DV05	Hole ID: DV05-S005
Project Number: 60443983	Northing:	Total Depth (feet): 10
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/13/17 0826
Driller: E. Pope	Elevation (feet MSL): Ground:	Date / Time Finished: ↓ 0832
Drilling Equipment: Geoprobe 6620DT	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Rota-Sonic~~ DP	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments:	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted/Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILT WITH SAND, soft, dry, very dk. grayish brown (2.5Y 3/2)				DP		0.9	0826		Ambient PID: 0.9 ppm
	SILTY SAND, loose, dry, yellowish brown (10YR 5/4)			3.6/5.0		(1)	0.7			DV05-S005-01-01 0840
	– wood fragments						1.0			
5	POORLY GRADED SAND, loose, dry, poor recovery			1.5/5.0	DP	(2)	0.8			DV05-S005-01-10 0845
10								0832		
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

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Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DV05	Hole ID: DV05-S006
Project Number: 60464 3903	Northing:	Total Depth (feet): 10
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/13/17 0843
Driller: E. Poze	Elevation (feet MSL): Ground:	Date / Time Finished: ↓ 0850
Drilling Equipment: Geoprobe 6620DT	Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Roto Sonic~~ DP	Logged By: M. Grlinski	Checked By:
Borehole Diameter (inches):	Weather/Comments:	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILT, soft, dry, dark brown (10YR 3/3) cohesive, non-plastic				DP			0843		Ambient PID: 1.2 ppm
	POORLY GRADED SAND WITH SILT, loose, dry, yellowish brown (10YR 5/6), fine sand			2.3 / 5.0		1	1.0 0.8 1.0			DV05-S006-00-01 0900
5	LEAN CLAY, med. stiff, dry, brown (7.5YR 4/4), low plasticity SILT, soft, dry, gray (2.5Y 5/1) very cohesive, non-plastic			5.0 / 5.0	DP	2	0.8 0.7 0.8 0.7	0850		DV05-S006-01-10 0905
10										
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

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Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU05	**Hole ID:** DU05-S007
Project Number: 60443903	*Northing:*	Total Depth (feet): 2
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/13/17 1040
Driller: E. Pope	Elevation (feet MSL): *Ground:*	Date / Time Finished: ↓ 1045
Drilling Equipment: Geoprobe 6620	☒ Water Depth During Drilling (feet bgs): -	Date / Time Completed: NA
Drilling Method: ~~Roto-Sonic~~ HA	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments:	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILT, soft, dry, very dark grayish brown (10YR 3/2), trace sand		ML	1.2 / 1.0	HA	1	1.4	1045		Ambient PID: 1.3 ppm
	LEAN CLAY, stiff, dry, grayish brown (2.5Y 5/2), medium plasticity		CL	1.0 / 1.0	HA	2	1.6	1050		DU05-S007-00-01 1045
5										DU05-S007-01-~~00~~02 1050
10										
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

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Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DV05	Hole ID: DV05-S008
Project Number: 60443903	Northing:	Total Depth (feet): 10
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/12/17 1545
Driller: E. Pope	Elevation (feet MSL): Ground:	Date / Time Finished: ↓ 1555
Drilling Equipment: Geoprobe 6620DT	Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Roto Sonic~~ DP	Logged By: M. Gulinski	Checked By:
Borehole Diameter (inches):	Weather/Comments	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SANDY SILT, soft, dry, dark brown (7.5YR 3/2)		ML	DP				1545		Ambient PID 0.0 ppm
	POORLY GRADED SAND, loose, dry, yellowish brown (10YR 5/4)			3.0 / 5.0		1	0.0			
							0.0			DV05-S008-00-01 1600
							0.0			
5	SILT, soft, dry, light olive brown (2.5Y 5/3) trace fine sand, micaceous			DP						DV05-S008-01-10 1610
				3.8 / 5.0		2	0.0			
							0.0			
								1555		
10										
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

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BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

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Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DV05	Hole ID: DV05-S009
Project Number: 60443903	*Northing:*	Total Depth (feet): 10
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/13/17 0936
Driller: E. Pope	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/13/17 0955
Drilling Equipment: Geoprobe 6620DT	Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Roto-Sonic~~ DP	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments:	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILT, soft, dry, very dark gray (10YR 3/1)				DP			0936		Ambient PID 0.0 ppm
	POORLY GRADED SAND WITH SILT, loose, dry, yellowish brown (10YR 5/6) fine sand			2.7 / 5.0		(1)	0.0			DV05-S009-01-01
							0.0			0915
								0939		DV05-S009-01-05
5	No recovery (void space encountered)				DP					0920
				8		(2)				
								0955		
10										
15										

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USCS Name. Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture. (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

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Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU05	Hole ID: DU05-S010
Project Number: 60443903	Northing:	Total Depth (feet): 10
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/13/17 0834
Driller: E. Pope	Elevation (feet MSL): Ground:	Date / Time Finished: 0844
Drilling Equipment: Geoprobe 6620DT	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Roto Sonic~~ DP	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments:	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	POORLY GRADED SAND WITH SILT loose, dry, yellowish brown (10YR 5/6) cohesive, non-plastic, poor recovery			1.6 / 5.0	DP	(1)	0.7	0834		Ambient PID 0.9 ppm DU05-S010-00-01 0850 DU05-S010-01-10 0855
5	LEAN CLAY, stiff, dry, yellowish brown (10YR 5/4) SILT WITH SAND, med. stiff, dry, pale brown (10YR 6/3) fine sand	CL		3.3 / 5.0	DP	(2)	0.9 0.8 0.7	0841		
10										
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

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BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

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Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU05	Hole ID: DU05-SO11
Project Number: 60443903	Northing:	Total Depth (feet): 3.0
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/13/17 1056
Driller: E. Pope	Elevation (feet MSL): Ground:	Date / Time Finished: ↓ 1102
Drilling Equipment: NA	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Roto Sonic~~ HA	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments:	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted/Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILT, soft, dry, dark reddish gray (2.5YR 3/1), low plasticity, trace fine sand		ML	1.0/1.0	HA	①	*	1100		* PID dead battery
	LEAN CLAY, medium stiff, dry, brown (10YR 5/3), low plasticity		CL	2.0/2.0	HA	②	*	1105		DU05-SO11-00-01 1100 DU05-SO11-01-03 1105
5										
10										
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

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BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

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Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU05	**Hole ID:** DU05 - SO12
Project Number: 60443903	*Northing:*	Total Depth (feet): 10
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/12/17 1558
Driller: E. Pope	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/12/17 1604
Drilling Equipment: Geoprobe 6620 DT	Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Roto Sonic~~ DP	Logged By: M. Gilinski	Checked By:
Borehole Diameter (inches):	Weather/Comments:	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILT, soft, dry, dark brown (7.5YR 3/2)				DP		0.0	1558		
	POORLY GRADED SAND, loose, dry, yellowish brown (10YR 5/4)			1.5 / 5.0		(1)	0.0			DU05-SO12-00-01 1620
							0.0			
							0.0			
5					DP					DU05-SO12-01-10 1625
							0.0			
				2.0 / 5.0		(2)	0.0			
							0.0			
	SILT, soft, dry, very dark gray (2.5Y 3/1)						0.0	1604		
10										
15										

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USCS Name, **Consistency/Density** (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU05	Hole ID: DU05-S013
Project Number: 60443903	*Northing:*	Total Depth (feet): 6/12/17 1444
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/12/17 1450
Driller: E. Pope	Elevation (feet MSL): *Ground:*	Date / Time Finished:
Drilling Equipment: Geoprobe 6620DT	Water Depth During Drilling (feet bgs):	Date / Time Completed:
Drilling Method: ~~Rote Sonic~~ DP	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments:	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SANDY SILT, soft, dry, dark brown (7.5YR 3/2)				DP		4.1	1444		
	POORLY GRADED SAND, loose, dry, yellowish brown (10YR 5/4)			2.6/5.0		(1)	0.2			DU05-S013-00-01 1450
							0.3			
							0.2			
5					DP					DU05-S013-01-10 1500
	SILT, soft, dry, dark brown SILTY SAND, loose, moist yellowish brown (10YR 5/4)			3.2/5.0		(2)	0.0			
							0.6			
10							0.0	1450		
	TD: 10' bgs									
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

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AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU05	Hole ID: DU05-~~MW~~SO14
Project Number: 60443903	Northing:	Total Depth (feet): 6/12/17 1518
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/12/17 1515
Driller: E. Pope	Elevation (feet MSL): Ground:	Date / Time Finished:
Drilling Equipment: Geoprobe 6620DT	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Roto-Sonic~~ DP	Logged By: M. Gilinski	Checked By:
Borehole Diameter (inches):	Weather/Comments:	

MC

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted/Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SANDY SILT, soft, dry, dark brown (7.5YR 3/2)		ML		DP		0.0	1510		Ambient PID: 0.1 ppm
	POORLY GRADED SAND WITH SILT, loose, dry, yellowish brown (10YR 5/4)			3.0/5.0		(1)	0.1			DU05-SO14-00-01 1518
							0.0			DU05-SO14-01-18 1520
5					DP					
				3.2/5.0		(2)	0.0			
							0.0			
							0.0			
10	SILT, med. stiff, dry, pale brown (10YR 6/3)		ML					1515		
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

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AECOM

Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU05	**Hole ID:** DU05-S015
Project Number: 60443903	*Northing:*	Total Depth (feet): 2
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/13/17 1108
Driller: E. Pope	Elevation (feet MSL): *Ground:*	Date / Time Finished: ↓ 1112
Drilling Equipment: NA	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Roto-Sonic~~ HA	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments:	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILT, soft, dry, reddish black (2.5YR 2.5/1) trace fine sand		ML	1.0 / 1.0	HA	1	*	1110		DU05-S015-00-01 1110
	moist ↓			1.0 / 1.0	HA	2	*	1115		DU05-S015-01-02 1115
5										
10										
15										

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USCS Name, **Consistency/Density** (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). **Moisture**, (dry, moist, wet) **Color Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

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AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DV05	Hole ID: DV05-SB16
Project Number: 60443903	Northing:	Total Depth (feet): 10 mL
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/12/17 1525
Driller: E. Pope	Elevation (feet MSL): Ground:	Date / Time Finished: 6/12/17 1530
Drilling Equipment: Geoprobe 6620DT	Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: Roto Sonic DP	Logged By: M. Gilinski	Checked By:
Borehole Diameter (inches):	Weather/Comments:	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SANDY SILT, soft, dry, dark brown (7.5YR 3/2)				DP			1525		
							0.0			
	POORLY GRADED SAND, loose, dry, yellowish brown (10YR 5/4) cohesive			3.0/5.0		(1)	0.0			DV05-SB16-00-01 1530
							0.0			
							0.0	1528		
5					DP		0.0			DV05-SB16-01-10 1540
						(2)	0.0			
				3.2/5.0						
							0.0			
							0.0	1530		
10	SILT, med. stiff, dry, dark brown									
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU06	**Hole ID:** DU06-S001
Project Number: 60443903	*Northing:*	Total Depth (feet): 10.0
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/12/17 0950
Driller: Zac	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/12/17 1050
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/12/17 1130
Drilling Method: ~~Roto Sonic~~ DP	Logged By: A. Boelen	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: sunny, 80°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILTY SAND, loose, dry, brown, m sand, poorly sorted, subrounded to rounded						0.0			DU06-S001-00-01 1105 00-01 SVOCs, metals, Cr, pH, ORP
	SAND, tight to loose, dry, orange brown, m to c sand, poorly sorted, subrounded to sub angular			3.5/5	DP	1	0.1			
							0.0			
	SILTY SAND, tight, dry to moist, orange/reddish brown, m sand, poorly sorted, sub rounded						0.0	0952		
5							0.0			DU06-S001-01-10 1120 01-10 SVOCs, metals FD
	SAND, loose, wet, reddish brown, ~~poo~~ m sand, poorly sorted, subrounded, trace silt, slightly cohesive			3.5/5	DP	2	0.0			
							0.1			
							0.0	0954		
10										
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM
Soil Boring Log

DU06-S002
Sheet 1 of 1

MKB 6/12/17

Project Name: Camp Hero	Site: DU06	Hole ID: ~~DU06-S003~~
Project Number: 60443903	*Northing:*	Total Depth (feet): 10
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: ~~6~~/12/17 0940
Driller: Zac	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/12/17 0950
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/12/17 1130
Drilling Method: ~~Roto-Sonic~~ DP	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: sunny, 77°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SAND, loose, dry, light orange brown, f-m sand, rounded to subrounded, very poorly sorted, trace silt, slightly to not cohesive						0.1			DU06-S002-00-01 1040 00-01 SVOCs, metals
	light brown			4/5	DP	1	0.2			
	becoming f-m sand, to slightly coarse, moist to wet						0.1			
							0.0			
5	wet to moist							0945		DU06-S002-01-10 1050 01-10 SVOCs, metals MS/MSD
	well sorted,						0.0			
				4.7/5	DP	2	0.1			
	dark brown to black lens, no odor						0.0			
							0.2			
10								0948		
15										

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USCS Name. Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

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AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU06	Hole ID: DU06-S003
Project Number: 60443903	*Northing:*	Total Depth (feet): 10.0
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/12/17 0930
Driller: Zac	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/12/17 0935
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/12/17 ~~0940~~ 1130
Drilling Method: ~~Roto-Sonic~~ DP	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: sunny, 77°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILTY SAND, dense, dry to moist, reddish brown, m, sand poorly sorted, subrounded, trace to some silt & clay cohesive			3½/5	DP	1	0.0			DU06-S003-00-01 1095 00-01 SVOCs, metals
	crushed stone, pulverized at 4' bgs						0.0			
	increasing f sand						0.0	0935		DU06-S003-01-10 1030 01-10 SVOCs, metals FD
5	SAND, loose to tight, wet, light brown, m sand, subrounded, poorly sorted, trace silt, slightly cohesive, not plastic			3.5	DP	2	0.0			
							0.0			
	SILTY SAND, dense, tight, moist, m to f sand, poorly sorted, subrounded, silt is cohesive, not plastic						0.0	0940		
10										
15										

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USCS Name, **Consistency/Density** (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

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Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU06	**Hole ID:** DU06-S004
Project Number: 60443903	*Northing:*	Total Depth (feet): 10.0
Drilling Contractor: Cascade	*Easting:*	Date / Time Started 6/12/17 0930
Driller: Zac	Elevation (feet MSL): *Ground:*	Date / Time Finished 6/12/17 0935
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/12/17 1130
Drilling Method: ~~Rota Sonic~~ DP	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: sunny, 75°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted/Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	organic soil, grass, silty soil						0.0			DU06-S004-00-01 0930, 00-01 SVOCs & metals
	crushed rock, pulverized									
	silty SAND, dense, moist, light reddish brown, m sand, poorly sorted, silt cohesive, not plastic			3.1/5	DP	1	0.0			
	SAND, loose, moist to wet, light reddish brown, m-c sand, sub rounded, poorly sorted, trace silt, slightly cohesive, not plastic						0.0	0930		DU06-S004-01-10 1000 01-10 SVOCs, metals MS/MSD
5	becoming v. coarse, v. poorly sorted						0.0			
				4/5	DP	2	0.0			
	SILT/SAND, dense, moist to dry, light brown, m sand, poorly sorted, sub rounded, silt, trace clay, cohesive, not plastic						0.0	0935		
10										
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture. (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

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Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU06	Hole ID: DU06-S005
Project Number: 60443903	*Northing:*	Total Depth (feet): 10.0
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/12/17 1055
Driller: Zac	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/12/17 1100
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/12/17
Drilling Method: ~~Roto Sonic~~ DP	Logged By: A. Barker	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: sunny, 80°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILTY SAND, loose, dry, reddish brown, m-c sand, poorly sorted, sub rounded, silt, slightly cohesive, trace gravel, rocks			3.1/5	DP	1	0.0			DU06-S005-00-01 1110 00-01 SVOCs, metals
							0.0			
	crushed rock, pulverized							1055		DU06-S005-01-10 1115 01-10 SVOCs, metals FD
5										
	wet @ 6.5' bgs, poorly sorted			3.2/5	DP	2	0.0			
							0.0			
	trace gravel, crushed stone pulverized						0.0			
								1059		
10										
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE1\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI.GPJ, 4/6/10, 15:05

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

SN = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU06	Hole ID: DU06-SB06
Project Number: 60443903	*Northing:*	Total Depth (feet): 10.0
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/12/17 1102
Driller: Zac	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/12/17 1105
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/12/17 1230
Drilling Method: ~~Roto Sonic~~ DP	Logged By: A. Boelen	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: sunny, 82°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SAND, loose, dry, reddish brown, m sand, poorly sorted, subrounded, trace pulverized rock			3.1/5	DP	1	0.0			DU06-SB06-00-01 1130 00-01 SVOCs, metals
							0.0			
							0.0			
	SILTY SAND, tight, moist, brown, ~~f to~~ m sand, poorly sorted, subrounded, silt, tight, dense, cohesive, not plastic						0.0	1102		
5	SAND lens, v. coarse						0.0			DU06-SB06-01-10 1135 01-10 SVOCs, metals MS/MSD
	SILTY SAND, tight/dense, dry, f-m sand, poorly sorted, silt, tight/dense, cohesive, not plastic			5/5	DP	2	0.0			
							0.0			
							0.0	1105		
10										
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI GP.J, 4/8/10, 15:05

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM
Soil Boring Log

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Project Name: Camp Hero	Site: DU06	**Hole ID:** DU06-S007
Project Number: 60443903	*Northing:*	Total Depth (feet): 10.0
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/12/17 1109
Driller: Zac	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/12/17 1111
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/12/17 1230
Drilling Method: ~~Roto-Sonic~~ DP	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: sunny, 84°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SAND, loose, dry, light brown, f-m sand, poorly sorted, subrounded, trace silt, pulverized rock, crushed stone			2/5	DP	1	0.0			DU06-S007-00-01 1205 00-01 SVOCs, metals
							0.0			
	SILTY SAND, tight, moist, brown, f sand, poorly sorted, subrounded, silt, cohesive, slightly plastic						0.0			
5								1109		DU06-S007-01-10 1210 01-10 SVOCs, metals
	crushed rock, pulverized						0.0			
	SAND lens, moist, loose, brown, well sorted, rounded to subrounded			3.3/5	DP	2	0.0			
	SILTY SAND, tight, moist, reddish brown, f sand, poorly sorted, subrounded, silt, cohesive, slightly plastic						0.0			
10							0.0	1111		
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE1\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI.GPJ, 4/5/10, 15:05

USCS Name, **Consistency/Density** (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU06	**Hole ID:** DU06-SB08
Project Number: 60443903	*Northing:*	Total Depth (feet): 10.0
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/12/17 1110
Driller: Zac	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/12/17 1120
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/12/17 1230
Drilling Method: ~~Roto Sonic~~ DP	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3"	Weather/Comments: sunny, warm 85°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	SAND, loose, dry, dark brown, black in places, m sand, poorly sorted, trace small diameter rocks/gravel			3.1/5	DP	1	0.0			DU06-SB08-00-01 1220 00-01 SVOCs, metals
	well sorted lens						0.0			
5	SILTY SAND, tight, moist, light gray, f. sand, well sorted, subrounded to rounded, silt cohesive, none plastic						0.0	1110		DU06-SB08-01-10 1225 01-10 SVOCs, metals MS/MSD
	increasing clay content, plastic			4/5	DP	2	0.0	1154		
	SAND, tight, wet, reddish brown, m sand, poorly sorted, sub rounded, trace gravel, rounded small diameter, trace silt, slightly cohesive, slight odor						0.0	1153		
10								1200		
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color Gradation (relative percentages of soil components) Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU06	**Hole ID:** DU06-SB09
Project Number: 60443903	*Northing:*	Total Depth (feet): 10
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/12/17 1250
Driller: Zac	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/12/17 1300
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/12/17 1430
Drilling Method: ~~Roto-Sonic~~ GDP	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3"	Weather/Comments: sunny, 82°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted/Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	Coal ash						0.0			DU06-SB09-00-01 1405 00-01 SVOCs, metals
	SILTY SAND, tight, dry, orange brown, m sand, poorly sorted, subrounded, oxidation staining at 3.5' bgs, grading to gray			2.8/5	DP	1	0.0			
	brick, construction debris						0.0			
5								1250		DU06-SB09-01-10 1410 01-10 SVOCs, metals MS/MSD
	organic material, soft, black, roots, silt w/ f sand, moist/wet						0.0			
	SILTY SAND, tight, moist, light grayish brown, m sand, poorly sorted, trace silt @ day, slightly cohesive, non plastic			3/5	DP	2	0.0			
							0.0			
	SAND tight, moist to wet, reddish orange, oxidation staining through 8-10' bgs, f sand, poorly sorted, trace silt						0.0			
10								1300		
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU06	**Hole ID:** DU06-S010
Project Number: 60443903	*Northing:*	Total Depth (feet): 10
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/12/17 1240
Driller: Zac	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/12/17 1250
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/12/17 1430
Drilling Method: ~~Roto Sonic~~ DP	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3"	Weather/Comments: sunny, 83°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted/Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	coal ash						0.0			DU06-S010-00-01 1345 00-01 SVOCs, metals
	SILTY SAND, dense, dry, orange brown, m sand, poorly sorted, sub rounded, silt, slightly cohesive, trace gravel			3/5	DP	1	0.0			
	Organics, soft, wet, black, roots,						0.0			
5	SAND, tight, moist, reddish brown, m to f sand, well sorted, subrounded, trace silt						0.0	1240		DU06-S010-00-01 1350 01-10 SVOCs, metals MS/MSD
	sand coarsening, oxidation staining at 8.5' bgs			3/5	DP	2	0.0			
	some coarse sand lens						0.1			
10							0.0	1250		
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\JARSENEAULT\MY DOCUMENTS\PROJECTS\MIKE POMPILIO\LUALUALEI GP1 4/8/10, 15:05

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU06	**Hole ID:** DU06-SO11
Project Number: 60443903	*Northing:*	Total Depth (feet): 10.0
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/12/17 1230
Driller: Zac	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/12/17 1240
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/12/17 1430
Drilling Method: ~~Roto-Sonic~~ DP	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: sunny, 81°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	coal ash						0.0			DU06-SO11-00-01 1320 00-01 SVOCs, metals
	SILTY SAND, dense, dry, reddish brown, m sand, poorly sorted, silt, slightly cohesive, trace gravel			2.8/5	DP	1	0.1			
							0.0			
							0.0			DU06-SO11-01-10 1335 01-10 SVOCs, metals, Cr, pH, ORP
5	PEAT, organic, wet, black to dark brown, fine sand, well sorted, roots, silt, cohesive & slightly plastic							1230		
							0.0			
	SAND, dense, moist, light gray, f sand, well sorted, sub rounded, trace silt, not cohesive			4/5	DP	2	0.0			
							0.0			
10	color change at 8' bgs coarse-med sand lens at 9' bgs						0.0	1240		
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENEHAY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI GP1.4\8/10, 15:05

USCS Name, **Consistency/Density** (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)) **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

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AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU06	Hole ID: DU06-SO12
Project Number: 60443903	Northing:	Total Depth (feet): 10
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/2/17 1230
Driller: Zac	Elevation (feet MSL): Ground:	Date / Time Finished: 6/2/17 1230 MAB
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/2/17 ~~1230~~ 1430
Drilling Method: ~~Roto Sonic~~ DP	Logged By: A. Boeden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: sunny, 83°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILTY SAND, loose to tight, dry, light brown, m sand, poorly, subrounded, silt, cohesive, not plastic						0.0			DU06-SO12-00-01 1255 00-01 SVOCs, metals
				3	DP	1	0.0			
	SILTY SAND W/ CLAY, tight, moist, light brown, orange oxidation (orange) staining						0.0			
	SILTY SAND, tight, moist to wet, m sand, poorly sorted, subrounded, silt cohesive, slightly plastic, trace clay						0.0	1220		DU06-SO12-01-10 1300 01-10 SVOCs, metals
							0.0			
				3.1	DP	2	0.0			
	fine sand, trace clay						0.0			
10							0.0	1230		
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE1\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI.GPJ, 4/6/10, 15:05

USCS Name. Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM

Soil Boring Log

Sheet 1 of ~~21~~

Project Name: Camp Hero	Site: DU06	**Hole ID:** DU06-SO13
Project Number: 60443903	*Northing:*	Total Depth (feet): 100
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/12/17 1330
Driller: Zac	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/12/17 1340
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/12/17 1540
Drilling Method: ~~Roto Sonic~~ DP	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3"	Weather/Comments: sunny, 83°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	coal ash						0.0			DU06-SO13-00-01 1435 00-01 SVOCs, metals
				2.4/5	DP	1	0.0			
							0.0			
	Organic Soil, soft, moist, dark brown to black, f sand, well sorted, silty cohesive,						0.0	1330		DU06-SO13-00-01 1430 01-10 SVOCs, metals MS/MSD
5							0.0			
	LEAN CLAY, soft, moist, black to dark brown, silt & clay, cohesive, plastic, fine sand, well sorted			2.9/5	DP	2	0.0			
	FAT CLAY, dense, dry, gray, silt & clay, cohesive, plastic, trace f sand						0.0			
							0.0	1340		
10										
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI.GPJ, AR/10, 15:05

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

1500
1505

AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DUOG	**Hole ID:** DUOG-SO14
Project Number: 60443903	*Northing:*	Total Depth (feet): 10.0
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/12/17 1340
Driller: Zac	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/12/17 1350
Drilling Equipment: Geoprobe 6620 DP	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/12/17 1540
Drilling Method: ~~Roto Sonic~~	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3"	Weather/Comments: SUNNY, 82°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	coal ash						0.0			DUOG-SO14-OU-01 @500 OU-01 SVOCs, metals
	SILTY SAND, loose, dry, dark brown to black/orange staining, m sand, poorly sorted, silt, cohesive, non plastic, trace gravel, angular			2/5	DP	1	0.0			
							0.0			
5	SAND lens, coarse, poorly sorted, dry						0.0	1340		DUOG-SO14-01-10 1505 01-10 SVOCs, metals
	Organic soil, soft, moist, dark brown to black, fine sand and silt,			3.1/5	DP	2	0.0 2.4			
	SAND lens fine sand, well sorted, moist						0.0			
10	LEAN CLAY, soft to tight, gray, dry, silt & clay, cohesive, plastic, fine sand,							1350		
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE1\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI.GPJ, AR/10.15.05

USCS Name. **Consistency/Density** (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

1520
1525
MS/MSD

AECOM
Soil Boring Log

Sheet 1 of ~~2~~ 1

Project Name: Camp Hero	Site: DUO6	**Hole ID:** DUO6-SO15
Project Number: 60443903	*Northing:*	Total Depth (feet): 10.0
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/12/17 1350
Driller: Zac	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/12/17 1400
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/12/17 1540
Drilling Method: ~~Rote-Sonic~~ DP	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3"	Weather/Comments: sunny, 84°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	SILT/SAND, loose, dry, black, fine sand, well sorted, subrounded, silt, cohesive, non plastic, coal ash fragment, trace organic matter			3.2/5	DP	1	0.0			DUO6-SO15-00-01 1520 00-01 SVOCs, metals
							0.1			
							0.2			
	Woody fragment, odor Broken wood, 11.7 ppm						2.4	1350		DUO6-SO15-01-10 1525 01-10 SVOCs, metals MS/MSD
5	Organic soil, soft, wet, black, silt & trace clay, cohesive, plastic, fine sand increasing clay content at 6.5' bgs						3.2			
							1.1			
				3.8/5	DP	2	0.8			
	Sand lens, moist, gray, m sand, poorly sorted									
	LEAN CLAY, tight, dry, gray w/ orange oxidation staining, silt w/ some clay, cohesive, slightly plastic, fine sand, poorly sorted						0.0	1400		
10										
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE1\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI GP1 4/8/10, 15:05

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

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1535
1540
N MS/MSD

AECOM
Soil Boring Log

Sheet 1 of ~~3~~ 1

Project Name: Camp Hero	Site: DU06	**Hole ID:** DU06-SO16
Project Number: 60443903	*Northing:*	Total Depth (feet): 10.0
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/12/17 1400
Driller: Zac	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/12/17 1410
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/12/17 1540
Drilling Method: ~~Roto Sonic~~ DP	Logged By: A. Border	Checked By:
Borehole Diameter (inches): 3"	Weather/Comments: sunny, 85°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	SAND, loose, dry, light brown, c-m sand, poorly sorted, rounded, trace silt						0.0			DU06-SO16-00-01 1535 00-01 SVOCs, metals
				2.7/5	DP	1	0.0			
	color change, dark brown, moist to wet						0.0			
	SILTY CLAY, soft, moist, light grayish brown, silt and clay, cohesive & plastic, trace fine sand						0.0	1400		DU06-SO16-01-10 1540 01-10 SVOCs, metals
	SAND, tight to loose, dry to moist, m sand, poorly sorted, rounded to subrounded,						0.0			
				3.1/5	DP	1	0.0			
	SILTY CLAY, SAA						0.0			
	LEAN CLAY, soft to dense, dry, light grayish brown, silt & clay, cohesive, plastic, trace fine sand						0.0	1410		

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USCS Name. Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
Sil = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU07	**Hole ID:** DU07-S001
Project Number: 60443903	*Northing:*	Total Depth (feet): 10.0
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/14/17 1305
Driller: Zack Fortley	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/14/17 1310
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/14/17
Drilling Method: ~~Rote-Sonic~~ DP	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: sunny, 76°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	organics, roots, leaves, loamy, dry						0.1			0-2": loamy, soft, leaves, roots
	SILTY SAND, dense, dry, dark yellowish brown, m sand, poorly sorted, subrounded, silt, cohesive, non plastic			4.2/5	DP	1	0.1			DU07-S001-00-01 1410 00-01 SVOCs/PAH, metals, Cr
							0.1			
5	organic loamy seam							1305		DU07-S001-01-10 1415 01-10 SVOCs/PAH, metals DUP
	SILTY SAND, dense, dry, light reddish brown, m-f sand, poorly sorted, subrounded silt, slightly cohesive, massive, trace clay			5/5	DP	2	0.1			
							0.1			
10								1310		
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU07	**Hole ID:** DU07-S002
Project Number: 60443903	*Northing:*	Total Depth (feet): 2.0
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/15/17 0907
Driller: Evan Wiewiora	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/15/17 0915
Drilling Equipment: HA	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed:
Drilling Method: ~~Roto-Sonic~~ HA	Logged By: A. Borden	Checked By:
Borehole Diameter (inches):	Weather/Comments: partly sunny, 64°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted/Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	0-2": leaves and organic matter silty sand, dry, m sand, poorly sorted, trace roots						0.0			DU07-S002-00-01 0930 00-01 SVOCs, metals
	SAA, dry, light yellowish brown, trace sm gravel			1/1	HA	1	0.0			
1 #8								0907		DU07-S002-01-02 0935 01-02 SVOCs, metals MS/MSD
	SAA, sand (m-f) well sorted, less silt, trace gravel, rounded to subrounded, non spherical			1/1	HA	2	0.0			
2 #10							0.0	0915		

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

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Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU07	Hole ID: DU07-S003
Project Number: 60443903	Northing:	Total Depth (feet): 100
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/14/17 1300
Driller: Zack	Elevation (feet MSL): Ground:	Date / Time Finished: 6/14/17 1305
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/14/17
Drilling Method: ~~Roto Sonic~~ DP	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: sunny, 76°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted/Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	organics, soft, roots						0.1			0-2"; loamy silt, roots, grass, leaves, soft
	crushed rock; pulverized									
	SAND, dense, dry, reddish brown, m sand, well sorted, rounded, trace silt, non cohesive			3/5	DP	1	0.1			DU07-S003-00-01 1340 00-01 SVOCs/PAH, metal, Hg
							0.1			
5								1300		
	coarse sand lens, poorly sorted, moist						0.1			DU07-S003-01-10 1345 01-10 SVOCs/PAH, metals, Hg DUP
				3.3/5	DP	2	0.1			
	finer sand, trace silt, trace gravel, wet									
							0.1			
10								1305		
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

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Soil Boring Log

Sheet 1 of 17

Project Name: Camp Hero	Site: DU07	Hole ID: DU07-S004
Project Number: 60443903	Northing:	Total Depth (feet): 10.0
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/14/17 1255
Driller: Zack Fordley	Elevation (feet MSL): Ground:	Date / Time Finished: 6/14/17 1300
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/14/17
Drilling Method: ~~Roto Sonic~~ DP	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: sunny, 74°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	organics									
	organics soil, black, soft, silty, loamy						0.1			DU07-S004-00-01 1320 00-01 SVOCs/PAH, metals/Hg
	SAND, loose, dry, yellowish brown, fine sand, poorly sorted, subrounded, trace silt, slightly cohesive, trace gravel			2.9/5	DP	1	0.1			
							0.2			
5	coarser, m-c sand							1255		
	finer sand, well sorted,						0.1			DU07-S004-01-10 1325 01-10 SVOCs/PAH, metals/Hg
	SILTY SAND, loose to dense, moist, m to f sand, poorly sorted, subrounded, silt, cohesive, non plastic			4/5	DP	2	0.2			
							0.1			
10							0.1	1300		
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

AECOM

Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU07	Hole ID: DU07-S005
Project Number: 60443903	Northing:	Total Depth (feet): 2.0
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/15/17 0940
Driller: Evan Wiewiora	Elevation (feet MSL): Ground:	Date / Time Finished: 6/15/17 0946
Drilling Equipment: HA	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed:
Drilling Method: ~~Roto Sonic~~ HA	Logged By: A. Borden	Checked By:
Borehole Diameter (inches):	Weather/Comments: sunny, 65°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	0-2": roots, loamy, silty sand									
	silty sand, m sand, poorly sorted, roots, silty, slightly cohesive, dry			1/1	HA	1	0.0 0.0			DU07-S005-00-01 0945 00-01 SVOCs, metals
	increasing sand content									
1.5								0940		DU07-S005-01-02 0950 01-02 SVOCs, metals DUP
	SAA, trace to no roots, dry to moist, light yellowish brown			1/1	HA	2	0.2 0.1			
2.0								0946		
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

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Soil Boring Log

Sheet 1 of 11

Project Name: Camp Hero	Site: DU07	**Hole ID:** DU07-SO06
Project Number: 60443903	*Northing:*	Total Depth (feet): 2.0
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/15/17 0954
Driller: Evan Wieniara	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/15/17 1004
Drilling Equipment: HA	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed
Drilling Method: ~~Roto-Sonic~~ HA	Logged By: A. Borden	Checked By:
Borehole Diameter (inches):	Weather/Comments: sunny, 66°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	0-2": loamy sand, roots, dark brown, trace grass, dry			1/1	HA	1	0.0			DU07-SO06-00-01 1005 00-01 SVOCs, metal
1/8	SAA, color change to light brownish gray, m sand, poorly sorted, dry						0.0	0954		DU07-SO06-01-03 1010 01-03 SVOCs, metals MS/MSD
	color change: dark brown to black SAA, loose, dry, m sand and silt, ~~cohesive~~ slightly cohesive, non plastic			1/1	HA	2				
2 1/8								0958		
				1/1	HA	3				
3 1/8								1004		

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USCS Name, **Consistency/Density** (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

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Soil Boring Log

Sheet 1 of ~~3~~ 7

Project Name: Camp Hero	Site: DU07	Hole ID: DU07-S007
Project Number: 60443903	Northing:	Total Depth (feet): 2.0
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/5/17 1010
Driller: Evan Wiewiora	Elevation (feet MSL): Ground:	Date / Time Finished: 6/5/17 1016
Drilling Equipment: HA	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed:
Drilling Method: ~~Roto Sonic~~ HA	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: Sunny, 64° F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	0-2": SILTY CLAY w/ SAND, soft, moist, m-f sand silt & clay, cohesive, plastic, trace organics			1/1	HA	1	0.0			DU07-S007-00-01 1025 00-01 SVOCs, metals
							0.0			
1	SAA, m-f sand, poorly sorted, wet							1000		DU07-S007-01-02 1030 01-02 SVOCs, metals
	medium gray, no roots, grass, m sand, silt & clay, cohesive, plastic			1/1	HA	2	0.0			
							0.0			
2								1020		
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE1\MY DOCUMENTS\PROJECTS\MIKE POMPUANO\LUALUALEI GPJ, 4/6/10, 15:05

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

AECOM
Soil Boring Log

Sheet 1 of 11

Project Name: Camp Hero	Site: DU07	Hole ID: DU07-SO08
Project Number: 60443903	Northing:	Total Depth (feet): 10.0
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/14/17 1118
Driller: Zack Fordley	Elevation (feet MSL): Ground:	Date / Time Finished: 6/14/17 1123
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/14/17
Drilling Method: ~~Roto Sonic~~ DP	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: sunny, 76°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted/Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	organic material									
	organic soil, soft, dry, dark brown, mf sand, well sorted, subrounded, silt, cohesive, non plastic			3/5	DP	1	0.1 0.2			DU07-SO08-00-01 1210 00-01 SVOCs/PAH, metals, Hg
	SAND, loose, dry, brown, m-f sand, well sorted, rounded to subrounded, trace silt						0.1			
5								1118		DU07-SO08-01-10 1215 01-10 SVOCs/PAH, metals, Hg
	sand, SAA, m-c, moist						0.0			
				3.4/5	DP	2	0.0			
	coarse, wet						0.0			
10	sand, SAA, trace silt							1123		
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI.GPJ, 4/6/10, 15:05

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive) Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Haro	Site: DU07	Hole ID: DU07-S009
Project Number: 60443903	Northing:	Total Depth (feet): 2.0
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/15/17 0851
Driller: Evan Wiewiora	Elevation (feet MSL): Ground:	Date / Time Finished: 6/15/17 0900
Drilling Equipment: HA	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed:
Drilling Method: ~~Roto Sonic~~ HA	Logged By: A. Borden	Checked By:
Borehole Diameter (inches):	Weather/Comments: sunny, 65°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted/Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	0-2": loamy material, sandy silt, roots						0.0			DU07-S009-00-01 0905 00-01 SVOCs, Metals
	SAA: soft, moist, m sand, poorly sorted, silt, cohesive, slightly plastic			1/1	HA	1	0.0			
								0851		DU07-S009-01-02 0910 01-02 SVOCs, metals
	color change: light orange brown m-c sand, poorly sorted, ~~fn~~ clay % increase, plastic to mod plastic trace roots			1/1	HA	2	0.0 0.0			
								0900		

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI GP.J, 4/6/10, 15:05

15

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

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AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU07	Hole ID: DU07-S010
Project Number: 60443903	*Northing:*	Total Depth (feet): 2.0
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/15/17 1028
Driller: Evan Wiewiora	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/15/17 ~~1033~~/1034
Drilling Equipment: HA	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed:
Drilling Method: ~~Roto-Sonic~~ HA	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: Sunny, 64°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	0-2"; silty sand, moist, dark brown, m sand, poorly sorted, silt, cohesive, wood fragments, twigs			1/1	HA	1	0.0			DU07-S010-00-01 1045 00-01 SVOCs, metals
							0.0			
	SAA									
1								1038		
	wet at 1.1' bgs									DU07-S010-01-03 1050 01-03 SVOCs, metals MS/MSD
	color change, light orange brown			1/1	HA	1	0.0			
							0.0			
							0.0			
2								1032		
	clay lens at 2' bgs, soft, cohesive, v. plastic, trace f sand			1/1	HA	1	0.0			
							0.0			
3								1034		

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USCS Name, **Consistency/Density** (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). **Moisture**, (dry, moist, wet). **Color** **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
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Form: 00-BLANK LOG

AECOM
Soil Boring Log

Sheet 1 of ~~5~~ 1

Project Name: Camp Hero	Site: DU07	Hole ID: DU07-SO11
Project Number: 60443903	Northing:	Total Depth (feet): 3.0
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/15/17 1050
Driller: Evan Wiewiora	Elevation (feet MSL): Ground:	Date / Time Finished: 6/15/17 1058
Drilling Equipment: HA	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed:
Drilling Method: ~~Roto Sonic~~ HA	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: sunny, 65°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	0-2": silty loam, dark, moist									DU07-SO11-00-01
	sand, silt, trace clay, cohesive, slightly plastic, some roots			1/1	HA	1	0.0			1105
							0.0			00-01
										SVOCs, metals
	SAA									
1.5								1050		DU07-SO11-01-03
										1110
							0.0			01-03
	SAA, loose, wet to saturated, dark brown to black, m sand, well sorted, silt, cohesive, non plastic, trace to some			1/1	HA	2				SVOCs, metals, Cr
							0.0			DUP
3.0	roots, twigs							1058		
							0.0			
				1/1	HA	3				
							0.0			
								1058		

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15

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
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Form: 00-BLANK LOG

AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: Camp H DU07	Hole ID: DU07-SO02
Project Number: 60443903	*Northing:*	Total Depth (feet): 10.0
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/14/17 1123
Driller: Zack Fordley	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/14/17 1128
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/14/17
Drilling Method: ~~Roto Sonic~~ DP	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: partly sunny, 75°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	Organic matter						0.0			DU07-SO12-00-01
	organic soil, loamy, dry									1230
	SAND, loose, dry, dark yellowish brown, f-m sand, well sorted, subrounded			3.5/5	DP	1	0.0			00-01 SVOCs/PAH, metals, Hg
	trace gravel						0.0			
	becoming more poorly sorted									
5								1123		DU07-SO12-01-10
	SAND, coarse to v. coarse, poorly sorted, wet						0.0			1236
	trace gravel			4.0/5	DP	2	0.0			01-10 SVOCs/PAH, metals, Hg
	color change, dark reddish brown						0.0			
10								1128		
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM

Soil Boring Log

Sheet 1 of x1

Project Name: Camp Hero	Site: DU07	Hole ID: DU07-SO13
Project Number: 60443903	Northing:	Total Depth (feet): 10.0
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/14/17 1113
Driller: Zack Fordley	Elevation (feet MSL): Ground:	Date / Time Finished: 6/14/17 1118
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/14/17
Drilling Method: ~~Roto Sonic~~ DP	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: Partly sunny, 75°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted/Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	organic material, leaves, roots									
	organic soil, soft, loamy soil, dry						0.1			DU07-SO13-00-01 1130 00-01 SVOCs, metals, Hg
	SAND, loose, dry, light brown, m sand, poorly sorted, subrounded, trace silt, non cohesive, trace gravel			2.6/5	DP	1	0.2			
							0.1			
5								1113		
							0.0			DU07-SO13-01-10 1135 01-10 SVOCs/PAH, metals/Hg
				0.6/5	DP	2	0.0			
	coarser at 7' bgs						0.0			
							0.0			
10								1118		
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI.GPJ, 4/8/10, 15:05

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU07	Hole ID: DU07-SO14
Project Number: 60443903	Northing:	Total Depth (feet): 2.0
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/15/17 0845
Driller: Evan Wiewiora	Elevation (feet MSL): Ground:	Date / Time Finished: 6/15/17 0851
Drilling Equipment: HA	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed:
Drilling Method: ~~Roto-Sonic~~ HA	Logged By: A. Border	Checked By:
Borehole Diameter (inches):	Weather/Comments: sunny, 65°	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted/Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	0-2": organic matter, leaves, roots, silty loam material									
	SILTY SAND, soft, moist, dark brown/black, m-f sand, poorly sorted, silt, trace clay, cohesive, plastic			1/1	HA	1	0.0			DU07-SO14-00-01 0855 00-01 SVOCs, metal
	trace roots & leaves, some wood fragments						0.0			
1.5								0845		
	black color, trace organic matter, wet						0.0			DU07-SO14-01-02 0900 01-02 SVOCs, metals
	brown sand, m-c, poorly sorted, wet			1/1	HA	2				
	silty clay at bottom						0.0			
2.0								0851		

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
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BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU07	Hole ID: DU07-SO15
Project Number: 60443903	*Northing:*	Total Depth (feet): 2.0
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/15/17 0820
Driller: Evan	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/15/17 0840
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed:
Drilling Method: ~~Roto Sonic~~ Hand Auger	Logged By: A. Borden	Checked By:
Borehole Diameter (inches):	Weather/Comments: Sunny, 60°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted/Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	organics: leaves, grass, roots, loamy									DU07-SO15-00-01 0830 00-01 SVOCs, metals
	SILTY SAND, soft, dry, dark brown, m sand, well sorted, rounded to subrounded, silt, cohesive, non plastic, roots			1/1	HA	1	0.0	0830		DU07-SO15-01-03 0835 01-03 SVOCs, metals MS/MSD
1.8	SAND W/ SILT & CLAY, soft, wet, m sand, poorly sorted, rounded to subrounded, silt & clay, cohesive, ~~non~~ plastic, dark brown			1/1	HA	2	1.1 1.6	0842		
2.0										
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE1\MY DOCUMENTS\PROJECTS\MIKE POMPILIANO\LUALUALEI.GPJ, 4/8/10, 15:05

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

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Form: 00-BLANK LOG

AECOM

Soil Boring Log

Sheet 1 of 11

Project Name: Camp Hero	Site: DU07	Hole ID: DU07-SO16
Project Number: 60443903	Northing:	Total Depth (feet): 10.0
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/14/17 1128
Driller: Zack Fordley	Elevation (feet MSL): Ground:	Date / Time Finished: 6/14/17 1133
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/14/17
Drilling Method: ~~Roto Sonic~~ DP	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: Sunny, 75°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	organic matter									
	SAND, loose, dry, light brown, f sand, well sorted, subrounded, trace silt, not cohesive			32/5	DP	1	0.1 0.2			DU07-SO16-00-01 1250 00-01 SVOCs/PAH, metals, Hg
	coarse sand, m-c, poorly sorted						0.1			
5								1128		
	finer sand, SAA, moist to wet						0.1			DU07-SO16-01-10 1255 01-10 SVOCs/PAH, metal, Hg
	coarser sand, m-c, poorly sorted			32/5	DP	2	0.2			
	trace gravel, sm diameter 0.25" diamter						0.1			
10							0.1	1133		
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

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Form: 00-BLANK LOG

Surface Soil Sampling Form

AECOM

LOCATION	Project Name: Camp Hero Remedial Investigation, Phase III	Project #: 60443903.4.5
	Decision Unit: 09	

Sample ID (List Duplicate, MS/MSD samples)	Sample Date	Sample Time	Sample Matrix	Sample Depth	Sampled By	Sample Type (Composite/ Discrete)	Soil Type	Moisture Content	PID Screening (Y - Result/N)	0 - 2 in. Observations (Grass, Roots, Gravel, etc.)	Analytical Parameters
DU09-SO16-00-01	6/16/17	1030	SO	0-1	NS	Discrete	SW	D	1.2	Grass, gravel	metals
DU09-SO15-00-01	6/16/17	1040	SO	0-1	NS	Discrete	SW	D	0.4	Grass, roots, gravel	metals
DU09-SO11-00-01	6/16/17	1050	SO	0-1	NS	Discrete	SM	D	0.8	Roots	metals / chromium 6
DU09-SO10-00-01	6/16/17	1100	SO	0-1	NS	Discrete	SM	D	0.2	Roots	metals
DU09-SO14-00-01	6/16/17	1110	SO	0-1	NS	Discrete	SM	D	0.2	Roots	metals
DU09-SO16-00-01D	6/16/17	1110	SO	0-1	NS	Discrete	SM	D	0.2	Roots	metals
DU09-SO13-00-01	6/16/17	1120	SO	0-1	NS	Discrete	SM	D	0.0	Roots, gravel	metals
DU09-SO09-00-01	6/16/17	1130	SO	0-1	NS	Discrete	SM	D	0.0	Roots	metals
DU09-SO08-00-01	6/16/17	1140	SO	0-1	NS	Discrete	SM	D	0.0	Roots, gravel	metals
DU09-SO04-00-01	6/16/17	1150	SO	0-1	NS	Discrete	SM	D	0.0	Roots	metals
DU09-SO02-00-01	6/16/17	1200	SO	0-1	NS	Discrete	SM	D	0.0	Roots	metals
DU09-SO03-00-01	6/16/17	1210	SO	0-1	NS	Discrete	SM	D	0.0	Roots	metals
DU09-SO03-00-01D	6/16/17	1210	SO	0-1	NS	Discrete	SM	D	0.0	Roots	metals
DU09-SO01-00-01	6/16/17	1220	SO	0-1	NS	Discrete	SM	D	0.0	Roots	metals / chromium 6
DU09-SO05-00-01	6/16/17	1230	SO	0-1	NS	Discrete	SM	D	0.0	Roots	metals
DU09-SO06-00-01	6/16/17	1240	SO	0-1	NS	Discrete	SM	D	0.0	Roots	metals
DU09-SO12-00-01	6/16/17	1250	SO	0-1	NS	Discrete	SM	D	0.0	Roots, gravel	metals
DU09-SO07-00-01	6/16/17	1300	SO	0-1	NS	Discrete	SM	D	0.0	Roots	metals
DU09-SO06-00-01D	6/16/17	1140	SO	0-1	NS	Discrete	SM	D	0.0	Roots, gravel	metals
			SO			Discrete					
			SO			Discrete					
			SO			Discrete					

Comments

Moisture Content
D - Dry
M - Moist
W - Wet
S - Saturated
Soil Type Options

Soil Type (Refer to Soil Description Sheets)	
GW	well-graded gravel, fine to coarse gravel
GP	poorly graded gravel
GM	silty gravel
GC	clayey gravel sand
SW	well-graded sand, fine to coarse sand
SP	poorly graded sand
SM	silty sand
SC	clayey sand
ML	silt
CL	clay of low plasticity, lean clay
OL	organic silt, organic clay
MH	silt of high plasticity, elastic silt
CH	clay of high plasticity, fat clay
OH	organic clay, organic silt
Pt	peat

Surface Soil Sampling Form

AECOM

LOCATION | Project Name: Camp Hero Remedial Investigation, Phase III | Project #: 60443903.4.5

Decision Unit: DU10

Sample ID (List Duplicate, MS/MSD samples)	Sample Date	Sample Time	Sample Matrix	Sample Depth	Sampled By	Sample Type (Composite/ Discrete)	Soil Type	Moisture Content	PID Screening (Y - Result/N)	0 - 2 in. Observations (Grass, Roots, Gravel, etc.)	Analytical Parameters
DU10-S001-00-01	6/15/17	1510	SO	1'	MG	Discrete	ML	D	0.0	roots, silt	metals, Cr^{6+}
DU10-S002-00-01		1512	SO			Discrete	ML	D	0.0	roots, silt	metals
DUP DU10-S003-00-01		1514	SO			Discrete	ML	D	0.0	roots/leaves, silt	
DU10-S004-00-01		1516	SO			Discrete	ML	D	0.0	roots, silt	
DU10-S005-00-01		1518	SO			Discrete	ML	D	0.0	roots, silt	
DU10-S006-00-01		1520	SO			Discrete	ML	D	0.0	roots, silt	
DU10-S007-00-01		1522	SO			Discrete	ML	D	0.0	roots, silt	
DU10-S008-00-01		1524	SO			Discrete	ML	D	0.0	roots, silt	
DUP DU10-S009-00-01		1526	SO			Discrete	ML	D	0.0	roots, silt	
DU10-S010-00-01		1528	SO			Discrete	ML	D	0.0	roots, silt	
DU10-S011-00-01		1530	SO			Discrete	ML	D	0.0	roots, silt	
DU10-S012-00-01		1532	SO			Discrete	ML	D	0.0	roots, silt	metals, Cr^{6+}
DU10-S013-00-01		1534	SO			Discrete	ML	D	0.0	roots, silt	metals
DU10-S014-00-01		1536	SO			Discrete	ML	D	0.0	roots, silt	
DU10-S015-00-01		1538	SO			Discrete	ML	D	0.0	roots, silt	
DU10-S016-00-01		1540	SO			Discrete	ML	D	0.0	roots, silt	
			SO			Discrete					
			SO			Discrete					
			SO			Discrete					
			SO			Discrete					
			SO			Discrete					
			SO			Discrete					

Comments: Typically, silt with trace fine sand
black (5YR 2.5/1) to dark reddish brown (5YR 2.5/2)
cohesive, non-plastic
roots generally present to 1.0' depth
SO15 slightly moist

Moisture Content
D - Dry
M - Moist
W - Wet
S - Saturated
Soil Type Options

Soil Type (Refer to Soil Description Sheets)

GW	well-graded gravel, fine to coarse gravel
GP	poorly graded gravel
GM	silty gravel
GC	clayey gravel sand
SW	well-graded sand, fine to coarse sand
SP	poorly graded sand
SM	silty sand
SC	clayey sand
ML	silt
CL	clay of low plasticity, lean clay
OL	organic silt, organic clay
MH	silt of high plasticity, elastic silt
CH	clay of high plasticity, fat clay
OH	organic clay, organic silt
Pt	peat

Surface Soil Sampling Form

AECOM

LOCATION	Project Name: Camp Hero Remedial Investigation, Phase III Decision Unit: DU11	Project #: 60443903.4.5

Sample ID (List Duplicate, MS/MSD samples)	Sample Date	Sample Time	Sample Matrix	Sample Depth	Sampled By	Sample Type (Composite/ Discrete)	Soil Type	Moisture Content	PID Screening (Y - Result/N)	0 - 2 in. Observations (Grass, Roots, Gravel, etc.)	Analytical Parameters
DU11-S013-00-01	06-2017	1240	SO	0-1'	MM	Discrete	SM	D	Y-1.7	medium brown, roots.	Metals + SVOCs
DU11-S004-00-01	"	1245	SO	"	"	Discrete	SM	D	Y-0.5	Medium brown, roots.	metals, SVOCs
DU11-S005-00-01	"	1250	SO	"	"	Discrete	SM	D	Y-0.8	Dark brown, grave.	Metals, SVOCs.
DU11-S001-00-01	"	1310	SO	"	"	Discrete	OH	M	Y-1.1	Dark brown, [illegible]	Cr(VI), metals, SVOCs.
DU11-S002-00-01	"	1315	SO	"	"	Discrete	SP	D	Y-0.8	Medium brown, roots.	// Metals, SVOCs
DU11-S014-00-01	"	1320	SO	"	"	Discrete	SM	D	Y-1.5	Dark brown-gray.	metals; SVOCs
DU11-S015-00-01	"	1325	SO	"	"	Discrete	SM	D	Y-6.9	Dark brown-gray	Metals, SVOCs.
DU11-S011-00-01	"	1340	SO	"	"	Discrete	SM	D	Y-1.5	Medium brown, roots.	Cr(VI), metals, SVOCs
DU11-S010-00-01	"	1345	SO	"	"	Discrete	SM	M	N	Medium brown, roots	Metals, SVOCs.
DU11-S008-00-01	"	1405	SO	"	"	Discrete	SM	D	Y-0.9	Medium brown, roots.	Metals, SVOCs
DU11-S012-00-01	"	1415	SO	"	"	Discrete	SM	D	Y-1.1	Medium brown, roots.	Metals, SVOCs.
DU11-S003-00-01	"	1430	SO	"	"	Discrete	SM	D	Y-1.4	Dark brown, coal-like	metals, SVOCs.
DU11-S009-00-01	"	1445	SO	"	"	Discrete	SM	D	Y-1.0	Medium brown, roots.	Metals, SVOCs
DU11-S016-00-01	"	1500	SO	"	"	Discrete	SM	D	Y-0.6	Dark brown-gray	Metals, SVOCs.
DU11-S006-00-01	"	1515	SO	"	"	Discrete	OH	W	Y-0.4	Dark brown, wet, clay-like.	Metals, SVOCs.
DU11-S007-00-01	"	1530	SO	"	"	Discrete	SM	D	Y-0.3	Dark brown, coal-like ash	metals, SVOCs.
			SO			Discrete					
			SO			Discrete					
			SO			Discrete					
			SO			Discrete					
			SO			Discrete					
			SO			Discrete					

Comments: PID → PGM7320 Ambient = 0.0 ppm
AECOM Hand Shovel
-S001 and -S011 have additional Cr(VI) analysis.

Moisture Content
D - Dry
M - Moist
W - Wet
S - Saturated
Soil Type Options

Soil Type (Refer to Soil Description Sheets)	
GW	well-graded gravel, fine to coarse gravel
GP	poorly graded gravel
GM	silty gravel
GC	clayey gravel sand
SW	well-graded sand, fine to coarse sand
SP	poorly graded sand
SM	silty sand
SC	clayey sand
ML	silt
CL	clay of low plasticity, lean clay
OL	organic silt, organic clay
MH	silt of high plasticity, elastic silt
CH	clay of high plasticity, fat clay
OH	organic clay, organic silt
Pt	peat

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Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU12	Hole ID: DU12-S001
Project Number: 60443903	Northing:	Total Depth (feet): 16
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/13/17 1250
Driller: E. Pope	Elevation (feet MSL): Ground:	Date / Time Finished: ↓ 1255
Drilling Equipment: Geoprobe 6620DT	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Roto Sonic~~ DP	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments:	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted/Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILT, loose, dry, light olive brown (2.5Y 5/3)		ML		DP		3.6	1250		
	POORLY GRADED SAND WITH SILT loose, dry, strong brown (7.5YR 5/6)			3.3/5.0		(1)	0.0			DU12-S001-00-01 1255
	SILT, soft, dry, black (7.5YR 2.5/1)						0.0			
5					DP					DU12-S001-01-10 1300
	POORLY GRADED SAND, loose, dry strong brown (7.5YR 5/6)						0.0			
	SANDY SILT, med. stiff, dry, dark gray (5Y 4/1)			3.2/5.0		(2)	0.0			
							0.0			
10								1255		
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSEME\MY DOCUMENTS\PROJECTS\MIKE POMPLUN\DU\LUALUALEI.GPJ, 4/6/10, 15:05

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
SN = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

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Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU12	Hole ID: DU12-S002
Project Number: 60443903	Northing:	Total Depth (feet): 10
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/13/17 1244
Driller: E. Pope	Elevation (feet MSL): Ground:	Date / Time Finished: ↓ 1250
Drilling Equipment: Geoprobe 6620DT	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Roto Sonic~~ DP	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments:	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILT WITH GRAVEL, loose, dry, light brownish grey, (2.5Y 6/2) angular gravel				DP			1244		
				3.5 / 5.0		(1)	0.3 0.0			DU12-S002-00-01 1245
	POORLY GRADED SAND, loose, dry, dark yellowish brown (10YR 4/6)						0.0			
	SILT, soft, dry, black (10YR 2/1)						0.0			
5	SILTY SAND, medium dense, ~~dry~~, dark greyish brown (2.5Y 4/2) moist				DP					DU12-S002-01-10 1250
				4.6 / 5.0		(2)	0.0 0.0			
	SILT, soft, dry, black						0.0	1250		
10										
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE1\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI.GPJ, 4/6/10, 11:05

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

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03

AECOM

Soil Boring Log

Sheet 1 of 3

Project Name: Camp Hero	Site: DV12	Hole ID: DV12-S003
Project Number: 60443903	*Northing:*	Total Depth (feet): 10
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/13/17 1235
Driller: E. Pope	Elevation (feet MSL): *Ground:*	Date / Time Finished: ↓ 1240
Drilling Equipment: Geoprobe 6620 DT	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Roto Sonic~~ DP	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments:	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILT WITH SAND, loose, dry, light olive brown (2.5Y 5/3), 10% gravel concrete fragments/fur				DP			1235		
	SANDY SILT, soft, moist, dark gray (2.5Y 4/1), 30% fine sand			2.3 / 5.0		1	8.4 7.1 1.7 1.1			DV12-S003-00-01 1230
5	SILTY SAND, medium dense, moist, olive brown (2.5Y 4/3)			3.7 / 5.0	DP	2	0.7 1.2 0.4 0.0	1240		DV12-S003-01-10 1240
10										
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE1\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI.GPJ, 4/8/10, 15:05

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

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Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU12	Hole ID: DU12-S004
Project Number: 60443903	Northing:	Total Depth (feet): 10
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/13/17 1529
Driller: E. Pope	Elevation (feet MSL): Ground:	Date / Time Finished:
Drilling Equipment: Geoprobe 6620DT	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Roto Sonic~~ DP	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments:	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILT WITH GRAVEL 25% angular gravel to 3cm pulverized brick				DP			1529		
	SANDY SILT, soft, dry, dark yellowish brown (10YR 4/6) cohesive, non-plastic						0.0			
				3.4 / 5.0		(1)	0.0			DU12-S004-00-01 1545
							0.0			
5					DP					DU12-S004-01-10 1550
							0.0			
				4.6 / 5.0		(2)	0.0			
	grading to ~~SANDY SILT~~ SILTY SAND, md. dense cohesive						0.0			
10							0.0			
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE1\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI.GPJ, 4/6/10, 15:05

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU12	**Hole ID:** DU12-S005
Project Number: 60443903	*Northing:*	Total Depth (feet): 10
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/13/17 1300
Driller: E. Pope	Elevation (feet MSL): *Ground:*	Date / Time Finished: 1305
Drilling Equipment: Geoprobe 6620DT	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Roto-Sonic~~ DP	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments:	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILT, soft, dry				DP		0.0	1300		
	SILT WITH SAND, medium stiff, dry, brown (7.5YR 4/4)			2.6 / 5.0		(1)	0.0			DU12-S005-00-01 1305
							0.0			
5	SANDY SILT, medium dense, moist, grayish brown (2.5Y 5/2)				DP		0.0			DU12-S005-01-10 1310
				3.2 / 5.0		(2)	0.0			
							0.0	1305		
10										
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI GP1, 4/6/10, 15:05

USCS Name, **Consistency/Density** (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, **SD** = Sample Depth, **ST** = Sample Time, **A** = Analysis.
BZ = Breathing Zone, **BG** = Background, **BH** = Borehole, **CB** = Cuttings Bin

Form: 00-BLANK LOG

AECOM

Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU12	Hole ID: DU12-S006
Project Number: 60443903	Northing:	Total Depth (feet): 10
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/13/17 1510
Driller: E. Page	Elevation (feet MSL): Ground:	Date / Time Finished: ↓ 1516
Drilling Equipment: Geoprobe 6620DT	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Roto Sonic~~ DP	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments:	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SANDY SILT, soft, dry, brown (7.5YR 5/4),				DP		0.0	1510		
	dark brown (7.5YR 3/2) SILT WITH SAND, stiff, dry, brown (10YR 5/3), fine sand 20%			3.5 / 5.0		(1)	0.0			DU12-S006-00-01 1505
							0.0			
							0.0			DU12-S006-01-10 1510
5	grading to olive gray (5Y 5/2)				DP		0.0			
				5.0 / 5.0		(2)	0.0			
	dark yellowish brown (10YR 4/4)						0.0			
							0.0	1516		
10										
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE1\MY DOCUMENTS\PROJECTS\MIKE POMPUANO\LUALUALEI.GPJ, 4/6/10, 15:05

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
Sill = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU12	Hole ID: DU12-S007
Project Number: 60443903	*Northing:*	Total Depth (feet): 10
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/13/17 1518
Driller: E. Pope	Elevation (feet MSL): *Ground:*	Date / Time Finished: ↓ 1525
Drilling Equipment: Geoprobe 6620DT	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Roto Sonic~~ DP	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments:	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILT, soft, dry, dark brown (10YR 3/3) pulverized rock fragments				DP		0.0	1518		0.0 ppm
	SANDY SILT, soft, dry, dark yellowish brown (10YR 4/4) fine sand			3.7 / 5.0		(1)	0.0			
	SILT, soft, dry, black (10YR 2/1)						0.0			DU12-S007-00-01 1515
	SILT WITH SAND, soft, dry, dark grayish brown (2.5Y 4/2)						0.0			
5	pulverized concrete/rock				DP		0.0			DU12-S007-01-18 1520
							0.0			
	grading to dark yellowish brown (10YR 4/4)			4.0 / 5.0		(2)	0.0			
							0.0			
10								1525		
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE1\MY DOCUMENTS\PROJECTS\MIKE POMPIJANO\LUALUALE.GPJ, 4/6/10, 15:05

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DV12	**Hole ID:** DV12-S008
Project Number: 60443903	*Northing:*	Total Depth (feet): 10
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/14/17 0822
Driller: E. Pope	Elevation (feet MSL): *Ground:*	Date / Time Finished: ↓ 0828
Drilling Equipment: Geoprobe 6620DT	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Roto Sonic~~ DP	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments: partly cloudy 67°	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILT WITH GRAVEL, loose, dry, dark yellowish brown (10YR 4/6) sub-angular gravel to 3cm				DP			0822		Background PID 0.0 ppm
	SANDY SILT, soft, dry, dark yellowish brown (10YR 4/6) fine sand, cohesive, non-plastic			3.3 / 5.0		(1)	0.0			soft tar-like substance at ~0.7' bgs
							0.0			
							0.0			
5	fine to medium sand, trace sub-rounded gravel, moist 5-6.5'				DP					DV12-S008-00-01 0810
							0.0			DV12-S008-01-10 0815
				4.2 / 5.0		(2)	0.0			
							0.0			
							0.0	0828		
10										
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI.GPJ, AECOM_15.05

USCS Name, **Consistency/Density** (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM

Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU12	Hole ID: DU12-S009
Project Number: 60443903	Northing:	Total Depth (feet): 10
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/13/17 1352
Driller: E. Pope	Elevation (feet MSL): Ground:	Date / Time Finished: ↓ 1358
Drilling Equipment: Geoprobe 6620DT	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Roto Sonic~~ DP	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments:	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILT with SAND, soft, dry, dark yellowish brown (10YR 4/4)			DP			0.0	1352		
				4.4 / 5.0		(1)	0.0			DU12-S009-00-01 1348
							0.0			
1	SILT LENS, dark brown (10YR 3/3)						0.0			
5	SILTY SAND, medium dense, dry yellowish brown (10YR 5/4)			DP			0.0			DU12-S009-01-10 1345
				5.0 / 5.0		(2)	0.0			
							0.0			
							0.0	1358		
10										
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI.GPJ, 4/6/10, 15:05

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

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AECOM

Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU12	**Hole ID:** DU12-S010
Project Number: 60443903	*Northing:*	Total Depth (feet):
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/13/17 1422
Driller: E. Pope	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/13/17 1430
Drilling Equipment: GeoProbe 6620 DT	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Roto Sonic~~ DP	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments:	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILT, soft, dry, very dark grayish brown (10YR 3/2)				DP			1422		
	SILT WITH SAND, medium dense dry, brown (7.5YR 4/4)			3.0 / 5.0		(1)	0.0			
							0.0			DU12-S010-00-01 1418
5	sand lens, fine to med grained				DP					DU12-S010-01-10 1415
				3.8 / 5.0		(2)	0.0			
							0.6			
	trace sub-rounded gravel to 1.5 cm							1428		1430 MG
10										
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM

Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU12	**Hole ID:** DU12-SO11
Project Number: 60443903	*Northing:*	Total Depth (feet): 10
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/14/17 0830
Driller: E. Pope	Elevation (feet MSL): *Ground:*	Date / Time Finished: ↓ 0840
Drilling Equipment: Geoprobe 6620DT	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Roto Sonic~~ DP	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments:	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	SANDY SILT WITH GRAVEL, loose, dry, very dark grayish brown (10YR 3/2)				DP		0.1	0830		Ambient PID: 0.1 ppm
	SANDY SILT, soft, dry yellowish brown (10YR 5/4) fine sand 30%, cohesive non-plastic			2.4 / 5.0		1	0.1			DU12-SO11-00-01 0830
	moist						0.0			
5							0.0			DU12-SO11-01-10 0835
					DP					
							0.0			
	SILTY SAND, loose, moist, dark yellowish brown (10YR 4/4)			4.8 / 5.8		2	0.0			
	dry ↓						0.1			
							0.0			
10								0840		
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU12	Hole ID: DU12-SO12
Project Number: 60443903	*Northing:*	Total Depth (feet): 15 ft
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/14/17 0844
Driller: E. Pope	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/14/17 0850
Drilling Equipment: Geoprobe 6620DT	Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Roto Sonic~~ DP	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments: partly cloudy, 70°	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SANDY SILT WITH GRAVEL loose, dry, very dark gray sub-angular gravel to 2 cm concrete/rock fragments				DP			0844		Ambient PID: 0.2 ppm
	SILT WITH SAND, stiff, dry, light olive brown (2.5Y 5/3) very cohesive, non-plastic			2.5 / 5.0		(1)	0.2 / 0.2			DU12-SO12-00-01 0840
5	SANDY SILT, medium stiff, dry dark yellowish brown (10YR 4/6) cohesive, non-plastic				DP		0.2			DU12-SO12-01-10 0845
				4.1 / 5.0		(2)	0.2 / 0.2 / 0.2	0850		
10										
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE1\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI.GPJ, 4/9/10, 15:05

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK.LOG

AECOM

Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU12	**Hole ID: DU12-SO13**
Project Number: 60443903	*Northing:*	Total Depth (feet): 10
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/13/17 1400
Driller: E. Pope	Elevation (feet MSL): *Ground:*	Date / Time Finished: 1406
Drilling Equipment: Geoprobe 6620DT	Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Roto Sonic~~ DP	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments:	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILT, soft, dry, dark brown grading to light olive gray				DP			1400		
				3.0 / 5.0		(1)	0.0			
							0.0			DU12-SO13-00-01 1350
	SILTY SAND, medium dense, moist, brown (10YR 5/3) fine to med. 50% sub-angular gravel sand						0.2			
5	wet				DP					
							0.0			DU12-SO13-01-10 1355
				5.0 / 5.0		(2)	0.0			
	grading to brown (7.5YR 4/4)						0.0			
							0.0			
10										
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI GP1, AB/10.15.05

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM

Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU12	Hole ID: DU12-SO14
Project Number: 60443903	Northing:	Total Depth (feet): 10
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/13/17 1410
Driller: E. Pope	Elevation (feet MSL): Ground:	Date / Time Finished: ↓ 1430
Drilling Equipment: Geoprobe 6620DT	Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Roto Sonic~~ DP	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments:	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILT, soft, dry, brown (7.5YR 4/2)				DP		0.0	1410		
	grading to light olive brown (2.5Y 5/3)			4.0 / 5.0		(1)	0.0			DU12-SO14-00-01 1400
	pulverized quartz fragments angular						0.1			
							0.0			
5	SILTY SAND, loose, wet, dark yellowish brown (10YR 4/4)				DP		0.0			DU12-SO14-01-10 1405
	pulverized quartz fragments			5.0 / 5.0		(2)	0.0			
	grading to SANDY SILT, med. dense, yellowish brown (10YR 5/4)						0.0			
10							0.0			
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE1\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI GPJ, AECOM 10.15.05

USCS Name. Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

Sil = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM

Soil Boring Log

Sheet 1 of 3

Project Name: Camp Hero	Site: DV12	Hole ID: DV12 – S015
Project Number: 60644903	Northing:	Total Depth (feet): 10
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/13/17 1430
Driller: E. Pope	Elevation (feet MSL): Ground:	Date / Time Finished: ↓ 1436
Drilling Equipment: Geoprobe 6620DT	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Roto Sonic~~ DP	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments:	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILT, soft, dry, brown (7.5YR 4/4) pulverized concrete/rock				DP		0.0			
	pulverized concrete			2.0 / 5.0		(1)				DV12-S015-00-01 1430
	POORLY GRADED SAND, loose, dry brown (7.5YR 4/4), cohesive						0.0			
							0.0			
5					DP					
	SANDY SILT, soft, dry, brown (7.5YR 5/4)						0.0			DV12-S015-01-10 1435
				3.6 / 5.0		(2)	0.0			
	SILTY SAND, medium dense, dry, brown (7.5YR 5/4), fine sand						0.0			
10								1436		
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE1\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI.GPJ, 4/6/10, 15:05

USCS Name. Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU12	**Hole ID:** DU12-SO16
Project Number: 60443903	*Northing:*	Total Depth (feet): 10
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/14/17 0852
Driller: E. Pope	Elevation (feet MSL): *Ground:*	Date / Time Finished: ↓ 0905
Drilling Equipment: Geoprobe 6620DT	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Rota Sonic~~ DP	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments:	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILTY SAND WITH GRAVEL, soft, dry, very dark grayish brown (10 YR 3/2)				DP		0.3	0852		Ambient PID: 0.3 ppm
	SILT WITH SAND, med. stiff dry, brown (7.5YR 4/4) fine sand, trace gravel (to 1 cm			1.3/5.0		(1)				DU12-SO16-00-01 0905
5					DP		0.3			DU12-SO16-01-10 0905
				4.0/5.0		(2)	0.3			
							0.3			
							0.3			
	POORLY GRADED SAND, loose, moist yellowish brown (10YR 5/4), fine							0905		
10	to medium sand, sub-angular									
15										

Tracking Codes C:\DOCUMENTS AND SETTINGS\LARSENE\MY DOCUMENTS\PROJECTS\MIKE POMPILIO\LUALUALEI.GPJ, 4/6/10, 15:05

USCS Name, **Consistency/Density** (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). **Moisture**, (dry, moist, wet) **Color Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive) **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

Surface Soil Sampling Form

AECOM

LOCATION	Project Name: Camp Hero Remedial Investigation, Phase III Decision Unit: DU13	Project #: 60443903.4.5

	Sample ID (List Duplicate, MS/MSD samples)	Sample Date	Sample Time	Sample Matrix	Sample Depth	Sampled By	Sample Type (Composite/ Discrete)	Soil Type	Moisture Content	PID Screening (Y - Result/N)	0 - 2 in. Observations (Grass, Roots, Gravel, etc.)	Analytical Parameters
	DU13-S007-00-01	06-20-17	0900	SO	1'	MM	Discrete	SM	Dry	Y-0.7	Light brown, roots.	Metals.
	DU13-S008-00-01	06-20-17	0905	SO			Discrete	SM	Dry	Y-1.2	Light color, roots + grass.	Metals
	DU13-S012-00-01	06-20-17	0910	SO			Discrete	SM	Dry	Y-29.8	Light brown, roots	Metals
	DU13-S016-00-01	06-20-17	0925	SO			Discrete	SM	Dry	Y-3.1	Roots, dry leaves.	Metals.
	DU13-S004-00-01	06-20-17	0930	SO			Discrete	SM	Dry	Y-0.5	Roots, light brown, dry leaves.	Metals.
	DU13-S003-00-01	06-20-17	1000	SO			Discrete	SM	Dry	Y-0.2	Roots, dry leaves.	Metals.
	DU13-S006-00-01	06-20-17	1010	SO			Discrete	SP	Dry	Y-1.1	Medium-brown, leaves.	Metals.
	DU13-S010-00-01	06-20-17	1030	SO			Discrete	SM	Dry	Y-0.8	Dry roots, leaves, light brown.	Metals.
(DUP)	DU13-S009-00-01	06-20-17	1035	SO			Discrete	SM	Dry	Y-3.7	Medium brown, petroleous	Metals.
	DU13-S014-00-01	06-20-17	1040	SO			Discrete	SM	Dry	Y-0.9	Roots, dry leaves.	Metals.
	DU13-S011-00-01	06-20-17	1055	SO			Discrete	SM	Dry	Y-11.9	Light brown, roots.	Metals, Cr6+.
(DUP)	DU13-S015-00-01	06-20-17	1100	SO			Discrete	SM	Dry	Y-0.8	Light brown, roots	Metals
	DU13-S005-00-01	06-20-17	1105	SO			Discrete	SM	Dry	Y-0.3	Medium brown, leaves.	Metals.
	DU13-S001-00-01	06-20-17	1110	SO			Discrete	SM	Dry	Y-1.0	Roots, light brown, dry leaves.	Metals, Cr 6+.
(DUP)	DU13-S002-00-01	06-20-17	1115	SO			Discrete	SM	Dry	Y-5.3	Grey brown, petroleous	Metals.
	DU13-S013-00-01	06-20-17	1120	SO			Discrete	OH	Dry	Y-1.4	Medium brown, petroleous.	Metals.
				SO			Discrete					
				SO			Discrete					
				SO			Discrete					
				SO			Discrete					
				SO			Discrete					
				SO			Discrete					

Comments: PID → PGM7320, Ambient = 0.0 ppm
AECOM shovel used for digging.
S009, S015 and S002 have DUP
S001 and S011 have Cr(VI) additional analysis.

Moisture Content
D - Dry
M - Moist
W - Wet
S - Saturated
Soil Type Options

Soil Type (Refer to Soil Decsription Sheets)	
GW	well-graded gravel, fine to coarse gravel
GP	poorly graded gravel
GM	silty gravel
GC	clayey gravel sand
SW	well-graded sand, fine to coarse sand
SP	poorly graded sand
SM	silty sand
SC	clayey sand
ML	silt
CL	clay of low plasticity, lean clay
OL	organic silt, organic clay
MH	silt of high plasticity, elastic silt
CH	clay of high plasticity, fat clay
OH	organic clay, organic silt
Pt	peat

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AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU14	Hole ID: DU14-S001
Project Number: 60443903	Northing:	Total Depth (feet): 10.0
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/14/17 0920
Driller: Zack	Elevation (feet MSL): Ground:	Date / Time Finished: 6/14/17 0925
Drilling Equipment: Geoprobe 6600	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/14/17
Drilling Method: ~~Roto-Sonic~~ DP	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: partly sunny, 70°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	organic matter									
	organic soil						0.1			DU14-S001-00-01
	SAND, soft, moist to dry, brownish yellowish, f sand, poorly sorted, subrounded, trace silt, non cohesive			3.1/5	DP	1	0.1			0930 00-01 SVOCs
							0.2			
								0930		
5										DU14-S001-01-10
	organic soil lens						0.0			0935 01-10 SVOCs
	SILTY SAND, soft, slightly loose, light grayish brown, f sand, well sorted, ~~trace~~ some silt, slightly cohesive			3.8/5	DP	2	0.0			
							0.0			
	SAND, dense, moist, ~~grey~~ reddish brown, m sand, poorly sorted, trace silt, slightly cohesive						0.1			
10								0925		
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI.GPJ, 4/6/10, 15:05

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM
Soil Boring Log

Sheet 1 of 2

Project Name: Camp Hero	Site: DU14	Hole ID: DU14-S002
Project Number: 60443903	*Northing:*	Total Depth (feet): 10.0
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/14/17 0925
Driller: Zack Fordley	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/14/17 0930
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/14/17
Drilling Method: ~~Roto Sonic~~ DP	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: partly sunny, 72°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	organic matter									
	SAND, loose/soft, dry, yellow brown, f sand, well sorted, trace silt, non cohesive			3.2/5	DP	1	0.0			DU14-S002-00-01 1000 00-01 SVOCs
							0.1			
							0.0			
	more brown at 4' bgs						0.0			DU14-S002-01-10 1005 01-10 SVOCs DUP
5	leaf layer at 5.5' bgs							0925		
							0.1			
				3.7/5	DP	2	0.1			
	SAND, SAA, f-m sand, poorly sorted						0.1			
	SILTY SAND, tight, dry, light grayish brown, f sand, poorly sorted, silt, cohesive coarsening down						0.1	0930		
10										
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

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Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU14	Hole ID: DU14-S003
Project Number: 60443903	*Northing:*	Total Depth (feet): 10.0
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/14/17 0812
Driller: Zack	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/14/17 0817
Drilling Equipment: Geoprobe	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/14/17
Drilling Method: ~~Roto Sonic~~ DP	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: cloudy, 68°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	Organic layer; leaves, roots						0.1			DU14-S003
	Organic soil, soft, moist, dark brown to black, loamy, trace roots			3/5	DP	1	10.0			0815
	SAND lens, light gray, moist, well sorted, m sand									00-01
	SANDY SILT, soft, moist, brown, silt, cohesive & slightly plastic, f sand						0.1			SVOCs
5	SAND, loose to slightly dense, moist, ~~m sand~~, light gray, m sand, poorly sorted, subrounded							0812		DU14-S003
							0.0			0820
				1.5/5	DP	2	0.1			01-10
	SANDY SILT lens						0.0			SVOCs
	SAND, SAA									
10								0817		
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

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Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU14	Hole ID: DU14-S004
Project Number: 60443903	*Northing:*	Total Depth (feet): 10.0
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/14/17 0817
Driller: Zack	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/14/17 0822
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed:
Drilling Method: ~~Roto Sonic~~ DP	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: sunny, partly sunny	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted/Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	organic layer, leaves roots									DU14-S004-00-01 0830 00-01 SVOCs
	organic soil, soft, moist, dark brown/black, loamy silt, cohesive @ slightly plastic						0.0			
	SILTY SAND, soft, moist, light gray, f sand, poorly sorted, silt w/ trace clay, cohesive @ slightly plastic			3.6/5	DP	1	0.1			
							0.1			
5	SAND, loose, moist to wet, ~~gra~~ ~~fin~~ coarsening down, f-m, poorly sorted, sub rounded							0827		DU14-S004-01-10 0835 01-10 SVOCs DUP
							0.0			
	very coarse, poorly sorted same angularity			3.3/5	DP	2	0.0			
							0.1			
	SILTY SAND, dense, wet, light gray, f. sand, poorly sorted, silt, slightly cohesive							0822		
10										
15										

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USCS Name. Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

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Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU14	Hole ID: DU14-S005
Project Number: 60443903	Northing:	Total Depth (feet): 10.0
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/14/17 0822
Driller: Zack	Elevation (feet MSL): Ground:	Date / Time Finished: 6/14/17 0827
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed:
Drilling Method: ~~Roto Sonic~~ DP	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: partly sunny, 71°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	organic layer, leaves, roots									DU14-S005-00-01
	organic soil						0.0			0900
	SILTY SAND, loose, moist to dry, light yellowish brown, m-f sand, well sorted, subrounded, silt, cohesive, not plastic			2.4/5	DP	1	0.1			00-01 SVOCs
	rock, pulverized at 4.8' bgs						0.0			
5								0827		DU14-S005-01-10
	SAND, loose, moist, light brown, m sand, trace fine, poorly sorted, subrounded						0.0			0905
	wet at 7' bgs			2.7/5	DP	2	0.0			01-10 SVOCs
	crushed rock, pulverized						0.1			
	SILTY SAND, dense, moist to slightly wet, cohesive, non plastic						0.0	0837		
10										
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU14	Hole ID: DU14-S006
Project Number: 60443903	Northing:	Total Depth (feet): 10.0
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/14/17 0827
Driller: Zack	Elevation (feet MSL): Ground:	Date / Time Finished: 6/14/17 0833
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed:
Drilling Method: ~~Roto Sonic~~ DP	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: partly sunny, 75°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	organic layer									DU14-S006-00-01
	organic soil						0.0			0920
	SAND, loose, dry, yellowish brown, m sand, poorly sorted, trace to some fine, trace silt, soft, slightly cohesive			3.7/5	DP	1	0.1			00-01 SVOCs
	crushed rock, pulverized						0.0			
5	SAND, cont light gray, f-m color change to reddish brown becoming m-c; v. poorly sorted, trace gravel, dry			3.9/5			0.1	0827		DU14-S006-01-10
							0.0			0925 01-10 SVOCs DUP
	SILTY SAND, dense, moist to dry, brownish gray, silt cohesive, f sand				DP	2	0.0			
10	SAND, SAA, f. sand yellowish brown, moist							0833		
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE1\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI GP.J, 4/5/10, 15:05

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM

Soil Boring Log

Project Name: Camp Hero	Site: DU14	Hole ID: DU14-S007
Project Number: 60443903	Northing:	Total Depth (feet): 10.0
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/13/17 1450
Driller: Zack	Elevation (feet MSL): Ground:	Date / Time Finished: 6/13/17 1455
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/13/17
Drilling Method: ~~Roto Sonic~~ DP	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: sunny, 80°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	organic matter									
	Organic soil, soft, dry, dark brown to black, loamy, trace f. sands, silt & clay, cohesive, plastic			36/5	DP	1	0.0 0.0			DU14-S007-00-01 1600 00-01 SVOCs
	SAND, slightly dense, moist to wet, light grayish brown, f. sand, poorly sorted, silt, trace clay, cohesive, non plastic						0.0 0.0	1450		
	SILTY SAND, loose to slightly dense, f. sand, poorly sorted, silt & clay, cohesive, slightly plastic, wet			36/5			0.0 0.0 0.0 0.0	1455		DU14-S007-01-10 1605 01-10 SVOCs

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USCS Name, **Consistency/Density** (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

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Soil Boring Log

Project Name: Camp Hero	Site: DU14	Hole ID: DU14-S008
Project Number: 60443903	Northing:	Total Depth (feet): 10.0
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/13/17 1445
Driller: Zack	Elevation (feet MSL): Ground:	Date / Time Finished: 6/13/17 1450
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/13/17
Drilling Method: ~~Roto Sonic~~ DP	Logged By: A. Bordan	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: sunny, 80°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	organic soil, loamy, soft, black, loamy, plastic @ cohesive, organic matter						0.0			DU14-S008-00-01 1540 00-01 SVOCs
	SILTY SAND, tight, moist to dry, brownish gray, f sand, well sorted, silt, slightly cohesive			4/5	DP	1	0.0			
							0.0			
	SAND, loose, moist to wet, light grayish brown, en-g grained, vm poorly sorted,						0.0			DU14-S008-01-10 1545 01-10 SVOCs DUP
5								1445		
	v. coarse, subrounded, wet						0.0			
				4.7/5	DP	2	0.0			
	trace gravel, ~.05" diameter						0.0			
	SILTY SAND, tight, moist, light grayish brown, f-m sand, poorly sorted, silt, slightly cohesive						0.0			
10								1450		
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

SN = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU14	Hole ID: DU14-S009
Project Number: 60443903	Northing:	Total Depth (feet): 10.0
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/14/17 0930
Driller: Zack Fordley	Elevation (feet MSL): Ground:	Date / Time Finished: 6/14/17 0935
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed 6/14/17
Drilling Method: ~~Roto-Sonic~~ DP	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: partly sunny, 72°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	organic soil / matter						0.1			DU14-S009-00-01 1010 00-01 SVOCs
	SAND, loose, dry, yellowish brown, f. sand, well sorted, subrounded, trace silt			2.9/5	DP	1	0.1			
	oxidation staining at 3' bgs, vertical						0.2			
5	crushed rock at 5.5' bgs						0.1	0930		DU14-S009-01-10 1015 01-10 SVOCs
	sand, SAA, m-c sand, poorly sorted			3/5	DP	2	0.1			
							0.1			
	finer sand						0.1			
10								0935		
15										

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USCS Name, **Consistency/Density** (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU14	**Hole ID:** DU14-S010
Project Number: 60443903	*Northing:*	Total Depth (feet): 10.0
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/13/17 1440
Driller: Zack	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/13/17 1445
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/13/17
Drilling Method: ~~Roto Sonic~~ DP	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments:	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted/Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	Organic soil, dark brown, roots silty loam						0.0			DU14-S010-00-01 1525 00-01 SVOCs
	SILTY SAND, loose, dry, yellowish brown, m sand, poorly sorted, trace to some silt, ~~cbr~~ slightly cohesive, trace clay			2.8/5	DP	1	0.0			
							0.0			
	SAND, loose, moist to wet, light gray to red brown, m-c, becoming V. coarse, poorly sorted,							1440		DU14-S010-00-01 1530 ~~01-10~~ SVOCs DUP
							0.0			
				4/5	DP	2	0.0			
	SILTY SAND tight, moist to wet, light reddish brown, f-m sand, poorly sorted, silt, slightly cohesive						0.0			
							0.0	1445		

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USCS Name, **Consistency/Density** (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

AECOM

Soil Boring Log

Project Name: Camp Hero	Site: DU14	Hole ID: DU14-SO12
Project Number: 60443903	Northing:	Total Depth (feet): 10.0
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/13/17 1350
Driller: Zack	Elevation (feet MSL): Ground:	Date / Time Finished: 6/13/17 1355
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/13/17
Drilling Method: ~~Roto-Sonic~~ DP	Logged By: A. Bordon	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: sunny, 84°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted/Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	organic soil, dark brown to black, silt, clay, f sand, roots						0.0			DU14-SO12-00-01
	trace m sand									1455
	SILTY SAND, ~~dense~~, dry, light orange brown, oxidation staining, f sand, well sorted, silt, cohesive, not ~~cohesive~~ plastic			3.9/5	DP	1	0.0			00-01 SVOCs
							0.0			
	SAND, loose/dense, light grayish brown, f grading to m sand, rounded to sub rounded, trace silt w/ clay, cohesive						0.0	1350		DU14-SO12-01-10
	organic lens									1500
	SAND, loose, wet, light brown, m-c sand, poorly sorted, trace gravel, rounded to sub rounded			4.2/5	DP	2	0.0			01-10 SVOCs DUP
							0.0			
	SILTY SAND, SAA							1355		

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USCS Name, **Consistency/Density** (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). **Moisture** (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

AECOM

Soil Boring Log

Sheet 1 of 3

Project Name: Camp Hero	Site: DU14	Hole ID: DU14-S013
Project Number: 60443903	Northing:	Total Depth (feet): 10.0
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/14/17 0935
Driller: Zack Fordtey	Elevation (feet MSL): Ground:	Date / Time Finished: 6/14/17 0940
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/14/17
Drilling Method: ~~Roto Sonic~~ DP	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: partly sunny, 72°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	SAND, f-m sand, poorly sorted, dry						0.1			DU14-S013-00-01
	organic layer									1030
	crushed rock									00-01
	SAND, tight, dry, light brown yellow, f-m sand, poorly sorted, trace silt, slightly cohesive, trace sm gravel			3.2/5	DP	1	0.1			SVOCs
							0.1			
	coarsening down, m sand						0.0			DU14-S013-01-10
5								0935		1035
	organic soil, loamy, leaves									01-10
	SAND, loose, dry, light brown, f. sand, well sorted, subrounded, trace silt			3.4/5	DP	2	0.1			SVOCs
							0.2			
	coarse sand lens, poorly sorted						0.2			
							0.2			
10								0940		
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

AECOM

Soil Boring Log

Sheet 1 of 3

Project Name: Camp Hero	Site: DU14	**Hole ID:** DU14-SO14
Project Number: 60443903	*Northing:*	Total Depth (feet): 10.0
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/13/17 1335
Driller: Zack	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/13/17 1340
Drilling Equipment: Geoprobe	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/13/17
Drilling Method: ~~Roto Sonic~~ DP	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: Sunny, 85°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	SILTY/ORGANIC, soft, dry, dark brown, f sand w/ silt, well sorted, organic matter, leaves, roots						2.0			DU14-SO14-00-01 1345 00-01 SVOCs
				3/5	DP	1	2.7			
	SILTY/SAND, loose, dry, light reddish brown, f sand, well sorted, trace to some silt, non cohesive						1.0			
5	SAND, loose, moist, light brown, some oxidation staining, m sand, trace c sand, poorly sorted, sub rounded							1335		
							0.4			DU14-SO14-01-10 1350 00-10 SVOCs
	organic layers, black, roots, leaves, wood fragment			5/5	DP	2	0.6			
							0.3			
	SILTY SAND, dense, dry, reddish brown, m sand, well sorted, sub rounded, trace to some silt, non cohesive, trace roots						0.2			
10							0.2	1340		
	SAND lens									
	SILTY SAND, SAA									
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). **Moisture**, (dry, moist, wet). **Color. Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
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BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

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Soil Boring Log

Project Name: Camp Hero	Site: DU14	Hole ID: DU14-SOL5
Project Number: 60443903	Northing:	Total Depth (feet): 10.0
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/13/17 1340
Driller: Zack	Elevation (feet MSL): Ground:	Date / Time Finished: 6/13/17 1345
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/13/17
Drilling Method: ~~Roto Sonic~~ DP	Logged By: A. Boulon	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: sunny, 85°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	organic matter, soft, dry, black, silt & f-sand, roots, leaves						0.2			DU14-SOL5-00-01 1410 00-01 SVOCs
	SILTY CLAY, soft, moist, black, plastic			2.4/5	DP	1	0.3			
	SAND, dense, moist, light yellowish brown, w/ orange oxidation staining, f-sand, well sorted at top becoming poorly sorted, trace silt						0.5			
5								1340		
	SILTY SAND, dense/brittle, dry, brown, m sand, poorly sorted, silt, cohesive, non plastic						0.2			DU14-SOL5-01-10 01-10 1415 SVOCs
	SAND, dense, moist to wet, dark brown to light grayish brown, f-m sand, poorly sorted, some coarse sand			2.9/5	DP	2	0.6			
	becoming very coarse at 10' bgs						0.2			
							0.3			
10								1345		
15										

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USCS Name, **Consistency/Density** (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

AECOM
Soil Boring Log

Sheet 1 of 21

Project Name: Camp Hero	Site: DU14	Hole ID: DU14-SO16
Project Number: 60443903	Northing:	Total Depth (feet): 10.0
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/13/17 1345
Driller: Zack	Elevation (feet MSL): Ground:	Date / Time Finished: 6/13/17 1350
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/13/17
Drilling Method: ~~Roto Sonic~~ DP	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: Sunny, 86°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	organic material, black, roots, leaves						0.2			
	SILTY SAND/CLAY, soft, dry, black to dark brown, silt & clay, plastic & cohesive			3.5/5	DP	1	0.3			DU14-SO16-00-01 1435 00-01 SVOCs
	SAND, dense, dry to moist, light grayish brown, f sand, well sorted, trace silt,						0.5			
	coarser sand, poorly sorted						0.4			
5								1345		
	V. coarse, tight, wet						11.2			DU14-SO16-01-10 01-10 1440 SVOCs
				3.2/5	DP	2	0.0			
	SILTY SAND, tight, moist, light grayish brown,									
	SAND, tight, wet to moist, light grayish brown, m-c sand, poorly sorted, trace fine f sand @ silt						0.0			
10								1350		
15										

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USCS Name. **Consistency/Density** (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

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Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU15	**Hole ID:** DU15-S001
Project Number: 60443903	*Northing:*	Total Depth (feet): 2
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/15/17 1052
Driller: J. Hernandez	Elevation (feet MSL): *Ground:*	Date / Time Finished: ↓ 1100
Drilling Equipment: HA	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: Roto Sonic HA	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments:	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILT WITH SAND, soft, dry, dark reddish brown (5YR 3/3), some roots, cohesive, non-plastic		ML	1.0 / 1.0	HA	1	0.0	1052		
1	slightly moist			1.0 / 1.0	HA	2	0.0	1100		
2										

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15

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

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AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU15	**Hole ID:** DU15-S002
Project Number: 60443903	*Northing:*	Total Depth (feet): 2
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/15/17 1044
Driller: J. Hernandez	Elevation (feet MSL): *Ground:*	Date / Time Finished: ↓ 1050
Drilling Equipment: HA	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Roto-Sonic~~ HA	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments: mostly sunny 63°	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SANDY SILT, soft, dry, dark yellowish brown (10YR 4/4) slightly cohesive, nonplastic			1.0 / 1.0	HA	1	0.0	1044		
1	grading to brown (7.5YR 4/3)				HA	2	0.0			
2								1050		

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

Sif = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

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Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU15	**Hole ID:** DU15-S003
Project Number: 60443903	*Northing:*	Total Depth (feet): 2
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/15/17 1035
Driller: J. Hernandez	Elevation (feet MSL): *Ground:*	Date / Time Finished: ↓ 1042
Drilling Equipment: HA	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Roto-Sonic~~ HA	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments: mostly sunny 63°	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILT, soft, dry, reddish black (5R 2.5/1), cohesive, non-plastic			1.0 / 1.0	HA	(1)	0.0	1035		
1	moist			1.0 / 1.0	HA	(2)	0.0	1042		
2										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE1\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI GP1 4/6/10, 15:05

USCS Name, **Consistency/Density** (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). **Moisture**, (dry, moist, wet). **Color** **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU15	**Hole ID:** DU15-S004
Project Number: 60443903	*Northing:*	Total Depth (feet): 2
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/15/17 1020
Driller: J. Hernandez	Elevation (feet MSL): *Ground:*	Date / Time Finished: ↓ 1030
Drilling Equipment: HA	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Roto-Sonic~~ HA	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments: mostly sunny 63°	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILT, soft, dry, reddish black (5R 2.5/1), cohesive, roots		ML		HA			1020		
				1.0 / 1.0		(1)	0.0			
5	moist				HA					
				1.0 / 1.0		(2)	0.0			
2 10								1025		
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE1\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI.GPJ, 4/6/10, 15:05

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM

Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU15	**Hole ID:** DU15-S005
Project Number: 60443903	*Northing:*	Total Depth (feet): 2
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/15/17 1010
Driller: J. Hernandez	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/15/17 1016
Drilling Equipment: HA	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Roto-Sonic~~ HA	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments: mostly sunny 63°	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILT, soft, dry, reddish black (5R 2.5/1), cohesive, non-plastic, trace fine sand, roots		ML	1.0 / 1.0	HA	1	0.0	1010		
1	moist ↓			1.0 / 1.0	HA	2	0.0	1016		
2										

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USCS Name, **Consistency/Density** (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM

Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU15	**Hole ID:** DU15-S006
Project Number: 60443903	*Northing:*	Total Depth (feet): 2
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/15/17 1000
Driller: J. Hernandez	Elevation (feet MSL): *Ground:*	Date / Time Finished: ↓ 1008
Drilling Equipment: HA	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Rote Sonic~~ HA	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments: mostly sunny 63°	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILT, soft, dry, reddish black (7.5R 2.5/1), cohesive, non-plastic, roots			1.0/1.0	HA	(1)	0.0	1000		
1	moist, black (10YR 2/1) trace sub-angular gravel to 4 cm.			1.0/1.0	HA	(2)	0.0	1008		
2										

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15

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU15	Hole ID: DU15-S007
Project Number: 60443903	*Northing:*	Total Depth (feet): 2
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/15/17 0952
Driller: J. Hernandez	Elevation (feet MSL): *Ground:*	Date / Time Finished: ↓ 0958
Drilling Equipment: HA	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Roto Sonic~~ HA	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments: mostly sunny 63°	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILT WITH SAND, soft, dry, reddish black (5R 2.5/1), cohesive, non-plastic, roots			1.0 / 1.0	HA	1	0.0	0952		
1	moist, 2.5YR 2.5/1			1.0 / 1.0	HA	2	0.0	0958		
2										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

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AECOM

Soil Boring Log

Sheet 1 of 1

Project Name: Cape Hero	Site: DU15	**Hole ID:** DU15 - S008
Project Number: 60443903	*Northing:*	Total Depth (feet): 2
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/15/17 0944
Driller: J. Hernandez	Elevation (feet MSL): *Ground:*	Date / Time Finished: 0950
Drilling Equipment: HA	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: Roto Sonic HA	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments: mostly sunny	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILT, soft, dry, reddish black (5R 2.5/1), non cohesive, roots		ML	1.0 / 1.0	HA	1	0.0	0944		
5	moist, trace fine sand			1.0 / 1.0	HA	2	0.0	0950		
10										
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

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AECOM

Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU15	**Hole ID:** DU15-S009
Project Number: 60443903	*Northing:*	Total Depth (feet): 2
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/15/17 0830
Driller: J. Hernandez	Elevation (feet MSL): *Ground:*	Date / Time Finished: ↓ 0836
Drilling Equipment: HA	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Roto Sonic~~ HA	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments: mostly sunny 61°	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILT, soft, moist, reddish black (10R 2.5/1), roots cohesive, non-plastic		ML	1.0/1.0	HA	1	0.0	0835		
1					HA					
	very cohesive, 5R 2.5/1			1.0/1.0		2	0.0			
2								0836		

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15

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

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Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU15	Hole ID: DU15-S010
Project Number: 60443903	*Northing:*	Total Depth (feet): 2
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/15/17 0838
Driller: J. Hernandez	Elevation (feet MSL): *Ground:*	Date / Time Finished: ↓ 0846
Drilling Equipment: HA	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: Roto Sonic HA	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments: mostly sunny, 62°	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILT, soft, dry, reddish black (7.5R 2.5/1) roots, cohesive non-plastic		ML	1.0 / 1.0	HA	1	0.0	0838		
1	moist				HA					
	very cohesive, trace fine sand			1.0 / 1.0		2	0.0	0846		
2										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture. (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM
Soil Boring Log

Sheet 1 of 8

Project Name: Camp Hero	Site: DU15	**Hole ID:** DU15 - SO11
Project Number: 60443903	*Northing:*	Total Depth (feet): 2
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/15/17 0850
Driller: J. Hernandez	Elevation (feet MSL): *Ground:*	Date / Time Finished: ↓ 0858
Drilling Equipment: HA	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Roto-Sonic~~ HA	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments: mostly sunny, 62°	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILT, soft, dry, reddish black (5R 2.5/1), roots/leaves, cohesive (slightly) non-plastic		ML	1.0 / 1.0	HA	(1)	0.0	0850		
1					HA					
	5% fine sand			1.0 / 1.0		(2)	0.0			
2								0858		

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENEHAY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI.GPJ, 4/6/10, 15:05

USCS Name, **Consistency/Density** (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

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Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU15	Hole ID: DU15-SO12
Project Number: 60443903	Northing:	Total Depth (feet): 2
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/15/17 0935
Driller: J. Hernandez	Elevation (feet MSL): Ground:	Date / Time Finished: 0942
Drilling Equipment: HA	Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: Roto Sonic HA	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments: mostly sunny 630	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILT, soft, dry, reddish black (5R 2.5/1), trace fine sand, roots, cohesive, non-plastic		ML	1.0 / 1.0	HA	1	0.0	0935		
5	moist, 10% fine sand, 2.5YR 2.5/1			1.0 / 1.0	HA	2	0.0	0942		
10										
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

AECOM
Soil Boring Log

Sheet 1 of 8

Project Name: Camp Hero	Site: DU15	Hole ID: DU15-SO13
Project Number: 60443903	*Northing:*	Total Depth (feet): 2
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/15/17 0815
Driller: J. Hernandez	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/15/17 0820
Drilling Equipment: HA	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Roto-Sonic~~ HA	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments: mostly sunny, 60°	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILT, soft, moist, reddish black (2.5YR 2.5/1), roots, cohesive non-plastic		ML	1.0 / 1.0	HA	(1)	0.0	0815		
							0.0			
1					HA					
	grading to very dusky red (2.5YR 2.5/2), 5% fine to medium sand.			1.0 / 1.0		(2)	0.0			
							0.0			
2								0820		

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

AECOM
Soil Boring Log

Sheet 1 of 6

Project Name: Camp Hero	Site: DU15	**Hole ID:** DU15-SO14
Project Number: 60443903	*Northing:*	Total Depth (feet): 2
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/15/17 0822
Driller: J. Hernandez	Elevation (feet MSL): *Ground:*	Date / Time Finished: ↓ 0828
Drilling Equipment: HA	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Roto Sonic~~ HA	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments: mostly sunny 60°	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILT, soft, moist, reddish black (2.5YR 2.5/1), roots cohesive, non-plastic			1.0 / 1.0		1	0.0	0822		
1	SILT WITH SAND, soft, moist, reddish black (2.5YR 2.5/1) cohesive, non-plastic wet			1.0 / 1.0		2	0.1	0828		
2										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI.GPJ, 4/6/10, 15:05

USCS Name. Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
Sill = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM

Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU15	Hole ID: DU15-S015
Project Number: 60443903	*Northing:*	Total Depth (feet): 2
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/15/17 0920
Driller: J. Hernandez	Elevation (feet MSL): *Ground:*	Date / Time Finished: ↓ 0928
Drilling Equipment: HA	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: Roto Sonic HA	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments: mostly sunny 63°	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILT WITH SAND, soft, dry, brown (7.5YR 4/4), 10% fine sand, roots, trace medium sand slightly cohesive, non-plastic		ML	1.0 / 1.0	HA	(1)	0.0	0920		
1	slightly moist, 7.5YR 4/3 trace sub-angular gravel			1.0 / 1.0	HA	(2)	0.0			
2								0928		

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15

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU15	**Hole ID:** DU15-SO16
Project Number: 60443903	*Northing:*	Total Depth (feet): 2
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/15/17 0910
Driller: J. Hernandez	Elevation (feet MSL): *Ground:*	Date / Time Finished: ↓
Drilling Equipment: HA	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: NA
Drilling Method: ~~Roto-Sonic~~ HA	Logged By: M. Glinski	Checked By:
Borehole Diameter (inches):	Weather/Comments: mostly sunny, 62°	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	SILT WITH SAND, soft, dry, dark reddish brown (5YR 3/2) 10% very fine sand, roots			1.0 / 1.0	HA	(1)	0.0	0910		
5	grading to ~~SILTY CLAY~~ SANDY SILT, soft, dry brown (7.5YR 4/4), 30% fine sand, slightly cohesive trace small gravel, well-rounded			1.0 / 1.0	HA	(2)	0.0	0915		
10										
15										

2

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

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BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM
Soil Boring Log

Sheet 1 of ~~2~~ 1

Project Name: Camp Hero	Site: DU16	Hole ID: DU16S001
Project Number: 60443903	Northing:	Total Depth (feet): 10.0
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/13/17 ~~0900~~ 0620
Driller: Zack	Elevation (feet MSL): Ground:	Date / Time Finished: 6/13/17 0830
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/13/17 0925
Drilling Method: ~~Roto-Sonic~~ DP	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: sunny/ 80°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	organic soil, dark brown, silt & f sand, leaves, organic matter						0.1			DU16-S001-0001 0905 00-01 SVOCs
	SILTY SAND, tight, moist, dark yellow brown, m sand, well sorted, sub rounded			3.3	DP	1	2.2 3.1			
	FAT CLAY, v. soft, moist, dark brown to black, silt & clay, cohesive, very plastic, trace f sand						0.0			
5								0820		DU16-S001-01-10 0910 01-10 SVOCs
	SAND, loose, saturated, light brownish gray, m-c sand, poorly sorted, subrounded, trace silt, slightly cohesive			3.9/5	DP					
10								0830		
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
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Form: 00-BLANK LOG

AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: S002	Hole ID: DU16 S002
Project Number: 60443903	Northing:	Total Depth (feet): 10.0
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/13/17 0905
Driller: Zack	Elevation (feet MSL): Ground:	Date / Time Finished: 6/13/17 0910
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/13/17 0935
Drilling Method: ~~Roto-Sonic~~ DP	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: sunny, 82°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	organic matter, leaves									DU16-S002-00-01
	SAND, loose, moist to dry, m sand, poorly sorted, sub rounded, trace to some silt, slightly cohesive, trace organic matter			2.9/5	DP	1	0.1 0.2			0925 00-01 SVOCs
	some small gravel, pea size oxidation staining, moist						0.1 0.0	0905		
	becoming V. coarse, poorly sorted, wet, trace gravel						0.1			DU16-S002-00-10
	SILTY SAND w/ CLAY, tight, dense, light reddish brown, dry silt @ clay, highly compacted, cohesive, slightly plastic			4.1	DP	2	0.0 0.0			0930 0-10 SVOCs
	~~SAND~~, SILTY SAND, tight, dry, yellowish brown, m sand, poorly sorted, silt						0.0	0910		

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
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AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU16	Hole ID: DU16-S003
Project Number: 60443903	Northing:	Total Depth (feet): 10.0
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/13/17 1040
Driller: Zack	Elevation (feet MSL): Ground:	Date / Time Finished: 6/13/17 1045
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/13/17
Drilling Method: ~~Roto Sonic~~ DP	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: sunny, 85°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	pulverized concrete						0.4			DU16-S003-00-01 1140 00-01 SVOCs
	SAND, loose, dry, f to m sand, poorly sorted, trace silt						0.2			
	moist at 4' bgs			2.9/5	DP	1				
	Coarser sand at 4' bgs						0.7			
	trace gravel, small diameter (.025")									
5							0.1	1040		
	SILTY SAND lens						0.4			DU16-S003-01-10 1145 01-10 SVOCs
	SAND, dense moist to wet, dark yellowish brown, f sand, poorly sorted, trace silt, slightly cohesive, trace gravel (sm diameter)			3.0/5	DP	2	0.5			
							1.1			
							0.4			
10								1045		
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

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Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU16	**Hole ID:** DU16-S004
Project Number: 60443903	*Northing:*	Total Depth (feet): 10.0
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/13/17 1120
Driller: Zack	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/13/17 1125
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed:
Drilling Method: ~~Roto Sonic~~ DP	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: sunny, 83°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	organic layer leaves									
	SILTY SAND, dense, dry, light brown, m to f sand, poorly sorted, silt, slightly cohesive						0.2			DU16-S004-00-01 1155 00-01 SVOCs
	crushed rock at 2' bgs			3/5	DP	1	0.3			
	silty sand continued						0.3			DU16-S004-01-10 1200 01-10 SVOCs
	SAND, dense, dry, brown, m sand, poorly sorted, some f sand, soft, silt, cohesive, non plastic							1120		
5	crushed rock at 5' bgs						0.2			
	fine sand w/ silt, soft, moist to wet			4.1/5	DP	2	0.3			
	SILTY SAND lens, cohesive, tight						0.4			
	SAND, tight, wet, light grayish brown, m sand, poorly sorted							1125		
10										
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

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BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU16	Hole ID: DU16S005
Project Number: 60443903	*Northing:*	Total Depth (feet): 10
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/13/17 0845
Driller: Zack	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/13/17 0860
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/13/17 0925
Drilling Method: ~~Roto Sonic~~ DP	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: sunny, 80°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	organic soil, dark brown, roots, leaves						2.4			DU16S005-00-01 0850 00-01 SVOCs
	SILTY SAND, dense, moist, orange brown, m sand, poorly sorted, silt, cohesive, slightly plastic			3.2/5	DP	1	1.3 0.7			
	SAND, tight, wet, orange brown, m-c sand, poorly sorted, subrounded to rounded, trace gravel c sand						0.3	0845		
5				5/5	DP	2	0.0 0.2			DU16S005-01-10 0855 01-10 SVOCs
	SILTY SAND, tight to dense, wet, orange brown, m sand, well sorted, rounded, silt						0.0			
	SAND, SAA, wet						0.1	0860		
10										
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
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BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM

Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU16	Hole ID: DU16-SOO6
Project Number: 60443903	*Northing:*	Total Depth (feet): 10.0
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/13/17 0910
Driller: Zack	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/13/17 0920
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/13/17 0935
Drilling Method: ~~Roto Sonic~~ DP	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: sunny, 83°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	organic soil									DU16-SOO6-00-01 0945 00-01 SVOCs
	concrete or pulverized rock						1.3			
							0.4			
	SILTY SAND, loose, moist, reddish brown, predominently f-m sand, poorly sorted, rounded to subrounded,			3.3/5	DP	1	0.0			
5	oxidation staining at 5' bgs						0.0	0910		
	SAND, loose/tight, moist, reddish brown, m sand, poorly sorted, subrounded, trace silt, trace gravel, sm. diameter						1.2			DU16-SOO6-01-10 0950 01-10 SVOCs
				3.7/5	DP	2	0.0			
	well sorted seam at 7.5' bgs						0.0			
	wet at 8' bgs increasing silt %						0.0			
10								0920		
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM

Soil Boring Log

Sheet 1 of 31

Project Name: Camp Hero	Site: DU16	Hole ID: DU16-S007
Project Number: 60443903	Northing:	Total Depth (feet): 10.0
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/13/17 1035
Driller: Zack	Elevation (feet MSL): Ground:	Date / Time Finished: 6/13/17 1040
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/13/17
Drilling Method: ~~Roto-Sonic~~ DP	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: sunny, 84°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
0	pulverized concrete									
	SILTY SAND, loose/soft, dry, dark brown, f sand, silt, poorly sorted, cohesive, not plastic, organic matter, roots			3.3/5	DP	1	0.4			DU16-S007-00-01 1120 00-01 SVOCs
							0.6			
							0.5			
	SAND, dense, moist, reddish brown, m sand, poorly sorted, subrounded, trace organics						0.1	1035		
5	wet at 6' bgs						0.4			DU16-S007-01-10 1125 01-10 SVOCs DUP
	coarse sand lens at ~7' bgs, v. poorly sorted			2.7/5	DP	2	0.3			
	CLAY lens, dense, silt & clay, plastic, cohesive						0.5			
	SAND, SAA									
10								1040		
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE1\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI.GPJ, 4/6/10, 15:05

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

AECOM

Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU16	Hole ID: DU16-S008
Project Number: 60443903	Northing:	Total Depth (feet): 10.0
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/13/17 1125
Driller: Zack	Elevation (feet MSL): Ground:	Date / Time Finished: 6/13/17 1130
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/13/17
Drilling Method: ~~Roto Sonic~~ DP	Logged By: A. Bordan	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: sunny, 82°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted/Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	SAND, loose, dry, med. brown, m sand, poorly sorted, subrounded, trace silt, not cohesive						0.6			DU16-S008-00-01 1235 00-01 SVOCs
	brick material at 3' bgs			12/5	DP	1	0.1			
							0.2			DU16-S008-00-01 1240 00-10 SVOCs
	crushed rock at 4.5' bgs									
5	SILTY SAND, dense, moist to wet, reddish brown, m sand, trace fine, poorly sorted, silt, slightly cohesive, not plastic						0.2	1125		
	coarse sand lens			3.4/5	DP	2	0.4			
	SILTY SAND, SAA, trace sm gravel, becoming well sorted						0.6			
10								1130		
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE1\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI.GPJ, 4/6/10, 15:05

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

SN = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

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AECOM

Soil Boring Log

Sheet 1 of 8

Project Name: Camp Hero	Site: DU16	Hole ID: DU16-S009
Project Number: 60443903	Northing:	Total Depth (feet): 10
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/13/17 0810
Driller: Zack	Elevation (feet MSL): Ground:	Date / Time Finished: 6/13/17 0815
Drilling Equipment: Geoprobe	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/13/17 0925
Drilling Method: ~~Rote Sonic~~ DP	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments:	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	organics, leaves						0.1			DU16-S009-00-01
	SILTY SAND, soft, dry, orange brown, m sand, well sorted, rounded, silt, slightly cohesive			2.7/5	DP	1	0.0			0835 00-01 SVOCs
	rock, crushed, pulverized						0.0			
	wet at 4' bgs						0.0	0810		
5							0.3			DU16-S009-00-10
	SILTY SAND w/ CLAY, tight, moist, orange brown, m to f sand, subrounded to rounded, poorly sorted, silt & clay, cohesive and slightly plastic			4.7/5	DP	1	0.1			0840 01-10 SVOCs
	moist to wet at 8' bgs						0.0			
10							0.0	0815		
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI.GPJ, 4/6/10, 15:05

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

AECOM

Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU16	Hole ID: DU16-S010
Project Number: 60443903	Northing:	Total Depth (feet): 10.0
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/13/17 0920
Driller: Zack	Elevation (feet MSL): Ground:	Date / Time Finished: 6/13/17 0930
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/13/17 0945
Drilling Method: ~~Roto-Sonic~~ DP	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: Sunny, 83°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	organic matter									DU16-S010-00-10 1005 00-01 SVOCs
	pulverized concrete						0.1			
				3.0/5	DP	1	1.1			
	SAND, loose to dense, moist, reddish brown, m to c sand, poorly sorted, sub rounded, trace sm. gravel						0.2			
	wet at 5' bgs						0.0			DU16-S010-01-10 1010 01-10 SVOCs
5								0930		
							0.0			
				4.1/5	DP	2	0.0			
	SILT, dense, dry, brown, silt, massive, trace clay, cohesive, not plastic						0.0			
	SAND, dense, moist to wet, m sand, poorly sorted						0.0			
10								0935		
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE1\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI.GPJ, 4/6/10, 15:05

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

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AECOM

Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU16	**Hole ID:** DU16-SO11
Project Number: 60443903	*Northing:*	Total Depth (feet): 10.0
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/13/17 1030
Driller: Zack	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/13/17 1035
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/13/17
Drilling Method: ~~Roto-Sonic~~ DP	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: sunny, 84°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	organic soil, dark brown, roots, silt						0.4			DU16-SO11-00-01 1100 00-01 SVOCs
	SAND, loose, dry, reddish brown, m-c sand, well sorted, trace gravel, sm diameter (0.25"), oxidation staining 2-4' bgs, finer sand at 4' bgs			2.9/5	DP	1	0.7			
							0.1			
5	wood fragments at 5' bgs						0.2	1030		
	wood fragments at 6' bgs						1.1			DU16-SO11-01-10 1105 01-10 SVOCs
				3.5/5	DP	2	0.4			
	coarse sand seam, poorly sorted						0.3			
10								1035		
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM
Soil Boring Log

Sheet 1 of 51

Project Name: Camp Hero	Site: DU 16	Hole ID: DU16-SO12
Project Number: 60443903	*Northing:*	Total Depth (feet): 10.0
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/13/17 1130
Driller: Zack	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/13/17 1135
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/13/17
Drilling Method: ~~Roto Sonic~~ DP	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: sunny, 84°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	organic material, leaves, roots						0.1			DU16-SO12-00-01 1245 00-01 SVOCs
	SILTY SAND, dense, dry, light yellowish brown, m-f sand, well sorted, subrounded to rounded, trace gravel			3.7/5	DP	1	0.1			
	rock at 4.5' bgs						0.0			
5								1130		
	organic layer, roots, grass									DU16-SO12-00-10 1250 01-10 SVOCs
	SAND, loose, moist to wet, light brown, m-c sand, poorly sorted, rounded, trace silt			4/5	DP	2	0.1			
							0.3			
							0.4			
10								1135		
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI.GPJ, 4/6/10, 15:05

USCS Name. Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM

Soil Boring Log

Sheet 1 of ~~x~~ 1

Project Name: Camp Hero	Site: DU16	Hole ID: DU16-S013
Project Number: 60443903	*Northing:*	Total Depth (feet):
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/13/17 805
Driller: Zack	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/13/17 810
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/13/17 0925
Drilling Method: ~~Roto-Sonic~~ DP	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: Sunny, 80°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	organic soil, soft, moist, light/dark brown, silt & f sand, poorly sorted, roots & organics						0.1			DU16-S013-00-01 0815 00-01 SVOCs
	SILT/SAND, soft, moist, light orange brown, f sand, poorly sorted, silt, cohesive			3.2/5	DP	1	0.4			
	rock at 4' bgs						0.2			
	SAND, loose, wet, light brown, m sand, poorly sorted, trace silt							0805		DU16-S013-01-10 0830 01-10 SVOCs
5	m sand, poorly sorted						0.0			
	coarser sand, trace gravel			3.9/5	DP	2	0.0			
							0.0			
10							0.0	0810		
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE1\MY DOCUMENTS\PROJECTS\MIKE POMPILIANO\LUALUALEI GPJ, 4/6/10, 15:05

USCS Name, **Consistency/Density** (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominantly coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). **Moisture**, (dry, moist, wet). **Color**. **Gradation** (relative percentages of soil components). **Plasticity/Cohesiveness** (predominantly fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominantly coarse: cohesionless, slightly cohesive, cohesive). **Stratification/Structure** (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). **Cementation** (none, weak, moderate, strong). **Other descriptive elements; Geologic Origin**

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU16	Hole ID: DU16-SO14
Project Number: 60443903	*Northing:*	Total Depth (feet):
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/13/17 0930
Driller: Zack	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/13/17 0940
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/13/17 0950
Drilling Method: ~~Roto-Sonic~~ DP	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: sunny, 84°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted / Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	pulverized concrete						0.7			DU16-SO14-00-01 1030 00-01 SVOCs
							0.0			
	SAND, loose, moist, reddish brown, m sand, well sorted, trace silt,			3.4/5	DP	1	0.1			
	color change to light gray						0.0			
5								0930		DU16-SO14-00-00 1035 00-01 SVOCs
	crushed rock, pulverized trace gravel, subrounded, wet at 6' bgs						0.0			
				3.9/5	DP	2	0.0			
	poorly sorted, dense						0.0			
							0.0	0940		
10										
15										

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USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site: DU16	Hole ID: DU16-S015
Project Number: 60443903	Northing:	Total Depth (feet): 10.0
Drilling Contractor: Cascade	Easting:	Date / Time Started: 6/13/17 1025
Driller: Zack	Elevation (feet MSL): Ground:	Date / Time Finished: 6/13/17 1030
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed:
Drilling Method: ~~Roto Sonic~~ DP	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: sunny, 82°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	pulverized concrete						0.3			DU16-S015-00-01 1045 00-01 SVOCs
	SAND, loose, slightly dense, dry m sand, poorly sorted to slightly well sorted, trace silt, not cohesive, trace sm diameter gravel			3/5	DP	1	0.2			
							0.2			
5	moist at 4' bgs crushed rock at 5.5' bgs pulverized							1025		DU16-S015-01-10 1050 01-10 SVOCs
	SILTY SAND lens, dry						0.0			
	SAND, loose, moist, light brown, m-f sand, poorly sorted, trace gravel, sub angular, trace silt, moist to wet at bottom			2/5	DP	2	0.0			
							0.0			
10								1030		
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE1\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI.GPJ, 4/6/10, 15:05

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong). Other descriptive elements; Geologic Origin
S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.
BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

Form: 00-BLANK LOG

AECOM
Soil Boring Log

Sheet 1 of 1

Project Name: Camp Hero	Site:	**Hole ID:** DU16-S016
Project Number: 60443903	*Northing:*	Total Depth (feet): 10.0
Drilling Contractor: Cascade	*Easting:*	Date / Time Started: 6/13/17 1135
Driller: Zack	Elevation (feet MSL): *Ground:*	Date / Time Finished: 6/13/17 1140
Drilling Equipment: Geoprobe 6620	▼ Water Depth During Drilling (feet bgs):	Date / Time Completed: 6/13/17
Drilling Method: ~~Roto Sonic~~ DP	Logged By: A. Borden	Checked By:
Borehole Diameter (inches): 3	Weather/Comments: sunny, 85°F	

Depth (feet)	USCS Description	Log: Graphic	Log: USCS or Rock Type	Samples: Attempted Recovered	Samples: Method	Samples: Run Number	Samples: PID/FID (ppm)	Samples: Time	Well Diagram	Remarks (list sample numbers here)
	organic soil									DU16-S016-00-01
	pulverized concrete						0.0			1305
	SAND, loose, dry, light yellowish brown, m sand, well sorted, trace silt			2.8/5	DP	1	0.0			00-01
										SVOCs
							0.1			
										DU16-S016-01-10
	moist at 4.5' bgs									1310
5								1135		01-10
	SILTY SAND lens									SVOCs
	organic soil, lenss						0.1			
	SAND, dense, moist to wet, light reddish brown, f sand, well sorted, trace silt, non cohesive			4.3/5	DP	2	0.7			
	coarser (m) sand 7-8.5' bgs						1.1			
	SILTY SAND, lens, cohesive, trace clay									
10								1140		
15										

Tracking Codes: C:\DOCUMENTS AND SETTINGS\LARSENE\MY DOCUMENTS\PROJECTS\MIKE POMPLIANO\LUALUALEI GP2, 4/6/10, 15:05

USCS Name, Consistency/Density (predominantly fine: very soft (n=0-1), soft (n=2-4), medium stiff (n=5-8), stiff (n=9-15), very stiff (n=16-30), hard (n=31+)/predominently coarse: very loose (n=0-4), loose (n=5-10), medium dense (n=11-30), dense (n=31-50), very dense (n=51+)). Moisture, (dry, moist, wet). Color. Gradation (relative percentages of soil components). Plasticity/Cohesiveness (predominently fine: nonplastic, slightly plastic, low plasticity, medium plasticity, high plasticity)/predominently coarse: cohesionless, slightly cohesive, cohesive). Stratification/Structure (blocky, massive, lensed, etc) (contacts: sharp, gradational) (bedding: horizontal, inclined). Cementation (none, weak, moderate, strong) Other descriptive elements; Geologic Origin

S# = Sample Number, SD = Sample Depth, ST = Sample Time, A = Analysis.

BZ = Breathing Zone, BG = Background, BH = Borehole, CB = Cuttings Bin

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Surface Soil Sampling Form

AECOM

LOCATION	Project Name: Camp Hero Remedial Investigation, Phase III Decision Unit: DU17	Project #: 60443903.4.5

Sample ID (List Duplicate, MS/MSD samples)	Sample Date	Sample Time	Sample Matrix	Sample Depth	Sampled By	Sample Type (Composite/ Discrete)	Soil Type	Moisture Content	PID Screening (Y - Result/N)	0 - 2 in. Observations (Grass, Roots, Gravel, etc.)	Analytical Parameters
(DUP) DU17-S003-00-01	06-19-17	0840	SO	0-1	MM	Discrete	SM	D	Y-0.1	DK Br organic S:	Metals + Hg
DU17-S004-00-01	"	0910	SO	0-1	MM	Discrete	SM	D	Y-5.4	MED Br si w/ DEBRIS	"
DU17-S008-00-01	"	0915	SO	0-1	MM	Discrete	SM	D	Y-2.1	MED Br si w/ DEBRIS	"
DU17-S007-00-01	"	0920	SO	0-1	MM	Discrete	SM	D	N	LT BR si w/ DEBRIS	"
DU17-S012-00-01	"	0925	SO	0-1	MM	Discrete	SM	D	Y-2.1	LT Br SM w/ DEBRIS	"
DU17-S011-00-01	"	0930	SO	0-1	MM	Discrete	SM	D	Y-0.1	M Br SM w/ DEBRIS	METALS + Hg + CR
DU17-S002-00-01	"	0935	SO	0-1	MM	Discrete	OH	M	N	BLK OH	METALS
DU17-S001-00-01	"	0945	SO	0-1	MM	Discrete	OH	W	N	BLK OH w/ ROOTS	METALS + Hg + CR
DU17-S006-00-01	"	1020	SO	0-1	MM	Discrete	OH	M	N	BLK OH w/ ROOTS	METALS + Hg
DU17-S009-00-01	"	1025	SO	0-1	MM	Discrete	SM	D	N	MED Br SM w/ ROOTS	"
DU17-S010-00-01	"	1030	SO	0-1	MM	Discrete	SP	W	N	BLK SM	"
DU17-S016-00-01	"	1045	SO	0-1	MM	Discrete	SM	D	Y-0.2	MED Br SM w/ ROOTS	"
DU17-S015-00-01	"	1050	SO	0-1	MM	Discrete	ML	M	N	DK Br ML	"
DU17-S014-00-01	"	1100	SO	0-1	MM	Discrete	SM	D	Y-1.4	MED Br SM w/ ROOTS	"
DU17-S013-00-01	"	1105	SO	0-1	MM	Discrete	SM	D	Y-0.3	DK Br SM w/ ROOTS	"
DU17-S005-00-01	"	1120	SO	0-1	MM	Discrete	SP	W	N	DK Br SP w/ ROOTS	"
			SO			Discrete					
			SO			Discrete					
			SO			Discrete					
			SO			Discrete					
			SO			Discrete					
			SO			Discrete					

Comments

Moisture Content	
D	Dry
M	Moist
W	Wet
S	Saturated
Soil Type Options	

Soil Type (Refer to Soil Decsnption Sheets)	
GW	well-graded gravel, fine to coarse gravel
GP	poorly graded gravel
GM	silty gravel
GC	clayey gravel sand
SW	well-graded sand, fine to coarse sand
SP	poorly graded sand
SM	silty sand
SC	clayey sand
ML	silt
CL	clay of low plasticity, lean clay
OL	organic silt, organic clay
MH	silt of high plasticity, elastic silt
CH	clay of high plasticity, fat clay
OH	organic clay, organic silt
Pt	peat

Surface Soil Sampling Form

AECOM

LOCATION	Project Name: Camp Hero Remedial Investigation, Phase III	Project #: 60443903.4.5
	Decision Unit:	

Sample ID (List Duplicate, MS/MSD samples)	Sample Date	Sample Time	Sample Matrix	Sample Depth	Sampled By	Sample Type (Composite/ Discrete)	Soil Type	Moisture Content	PID Screening (Y - Result/N)	0 - 2 in. Observations (Grass, Roots, Gravel, etc.)	Analytical Parameters
DU18-S012-00-01	6-19-17	1300	SO	0-1	MM	Discrete	SM	Dry	N	Dk Br SM w/ ROOTS	METALS + Hg
DU18-S011-00-01	"	1305	SO	0-1	MM	Discrete	SM	Dry	N	Dk Br SM w/ DEBRIS	METALS + Hg + CN
DU18-S016-00-01	"	1310	SO	0-1	MM	Discrete	SM	Dry	Y-3.1	LT BR SM	METALS + Hg
DU18-S015-00-01	"	1315	SO	0-1	MM	Discrete	SM	Dry	N	Dk Br SM w/ DEBRIS	METALS + Hg
DU18-S008-00-01	"	1335	SO	0-1	MM	Discrete	SM	Dry	N	MED BR SM w/ ROOTS	METALS + Hg
DU18-S007-00-01	"	1340	SO	0-1	MM	Discrete	SM	Dry	N	MED BR SM w/ ROOTS	METALS + Hg
DU18-S004-00-01	"	1345	SO	0-1	MM	Discrete	SM	Dry	N	Dk Br SM w/ ROOTS	METALS + Hg
DU18-S003-00-01	"	1350	SO	0-1	MM	Discrete	SM	Dry	Y-4.6	MED BR SM w/ ROOTS	METALS + Hg
DU18-S014-00-01	"	1405	SO	0-1	MM	Discrete	SM	Dry	N	MED BR SM w/ DEBRIS	METALS + Hg
DU18-S013-00-01	"	1410	SO	0-1	MM	Discrete	SM	Dry	N	Gr/Br SM w/ ROOTS	METALS + Hg
DU18-S010-00-01	"	1420	SO	0-1	MM	Discrete	SM	Dry	Y-1.6	MED BR SM w/ ROOTS	METALS + Hg
DU18-S009-00-01	"	1425	SO	0-1	MM	Discrete	SM	Dry	N	MED BR SM w/ ROOTS	METALS + Hg
DU18-S006-00-01	"	1445	SO	0-1	MM	Discrete	SM	Dry	Y-1.6	MED BR SM w/ DEBRIS	METALS + Hg
DU18-S005-00-01	"	1450	SO	0-1	MM	Discrete	SM	Dry	N	Dk Br SM w/ ROOTS	METALS + Hg
DU18-S002-00-01	"	1455	SO	0-1	MM	Discrete	SM	Dry	Y-3.6	MED BR SM w/ ROOTS	METALS + Hg
DU18-S001-00-01	"	1500	SO	0-1	MM	Discrete	SM	Dry	N	LT BR ML w/ GRASS	METALS + Hg + CN
			SO			Discrete					
			SO			Discrete					
			SO			Discrete					
			SO			Discrete					
			SO			Discrete					
			SO			Discrete					

Comments

Moisture Content
D - Dry
M - Moist
W - Wet
S - Saturated
Soil Type Options

Soil Type (Refer to Soil Description Sheets)	
GW	well-graded gravel, fine to coarse gravel
GP	poorly graded gravel
GM	silty gravel
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SW	well-graded sand, fine to coarse sand
SP	poorly graded sand
SM	silty sand
SC	clayey sand
ML	silt
CL	clay of low plasticity, lean clay
OL	organic silt, organic clay
MH	silt of high plasticity, elastic silt
CH	clay of high plasticity, fat clay
OH	organic clay, organic silt
Pt	peat

* DUP sample

Appendix I8

Slug Test Data

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Report Date: 7/10/2017 10:09:56 AM
Report User Name: dalmond
Report Computer Name: PINEWRKMA25-PC
Application: WinSitu.exe
Application Version: 5.6.25.0

Log File Properties:
File Name: CH-MW016 FH1_2017-07-10_10-09-51-314.wsl
Create Date: 7/10/2017 10:09:49 AM

Device Properties:
Device: Level TROLL 700
Site: Camp Hero
Device Name: Level Troll 700
Serial Number: 402202
Firmware Version: 3.02
Hardware Version: 4
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 0
Used Battery(%): 12

Log Configuration
Log Name: CH-MW016 FH1
Created By: Unknown
Computer Name: Pocket PC
Application: WinSituMobile.exe
Application Version: 5.6.0.10
Create Date: 3/4/2006 4:11:25 AM Eastern Standard Time
Log Setup Time Zone: Eastern Standard Time
Notes Size(bytes): 4096
Overwrite when full: Disabled
Scheduled Start Time: Manual Start
Scheduled Stop Time: No Stop Time
Type: Step Test
Steps: 2 (Linear)
Step: 1
Duration: Days: 0 hrs: 00 mins: 05 secs: 00
Interval: Days: 0 hrs: 00 mins: 00 secs: 01
Step: 2
Duration: Days: 0 hrs: 04 mins: 00 secs: 00
Interval: Days: 0 hrs: 00 mins: 01 secs: 00

Level Reference Settings At Log Creation
Level Measurement Mode: Level Depth To Water
Specific Gravity: 0.999
Level Reference Mode: Set new reference
Level Reference Value: 6.3 (ft)
Level Reference Head Pressure: 4.39202 (PSI)

Other Log Settings
Pressure Offset: 0.00335646 (PSI)
Depth of Probe: 10.1367 (ft)
Head Pressure: 4.39014 (PSI)
Temperature: 10.9841 (C)

Log Notes:

Date and Time	Note
6/22/2017 9:52:11 AM	Used Battery: 12% Used Memory: 1% User Name: Unknown
6/22/2017 9:52:29 AM	Manual Start Command
6/22/2017 9:57:22 AM	Log Download - Used Battery: 12% Used Memory: 1% User Name: Unknown
6/22/2017 10:12:03 AM	Used Battery: 12% Used Memory: 1% User Name: Unknown
6/22/2017 10:12:04 AM	Manual Stop Command

Log Data:
Record Count: 315
Sensors: 1
1 - 402202: Pressure/Temp 30 PSIG (21m/69ft)
Time Zone: Eastern Daylight Time

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 69ft SN#: 402202 Pressure (PSI)	Sensor: Pres(G) 69ft SN#: 402202 Temperature (C)	Sensor: Pres(G) 69ft SN#: 402202 Level Depth To Water (ft)
6/22/2017 9:52:29 AM	0.000	4.390	10.932	6.304
6/22/2017 9:52:30 AM	1.001	4.392	10.957	6.301
6/22/2017 9:52:31 AM	2.001	4.390	10.969	6.305
6/22/2017 9:52:32 AM	3.001	4.393	10.964	6.299
6/22/2017 9:52:33 AM	4.001	4.389	10.977	6.307
6/22/2017 9:52:34 AM	5.001	4.392	10.994	6.299
6/22/2017 9:52:35 AM	6.001	4.392	10.963	6.299
6/22/2017 9:52:36 AM	7.001	4.394	10.944	6.295
6/22/2017 9:52:37 AM	8.001	4.391	10.952	6.303
6/22/2017 9:52:38 AM	9.001	4.393	10.984	6.298
6/22/2017 9:52:39 AM	10.001	4.394	10.967	6.296
6/22/2017 9:52:40 AM	11.001	4.392	10.960	6.300
6/22/2017 9:52:41 AM	12.001	4.403	10.972	6.275
6/22/2017 9:52:42 AM	13.001	5.436	10.961	3.890
6/22/2017 9:52:43 AM	14.001	5.021	10.980	4.848
6/22/2017 9:52:44 AM	15.001	5.301	10.999	4.201
6/22/2017 9:52:45 AM	16.001	4.973	10.966	4.959
6/22/2017 9:52:46 AM	17.001	5.078	10.955	4.717
6/22/2017 9:52:47 AM	18.001	5.040	10.949	4.804
6/22/2017 9:52:48 AM	19.001	5.039	10.983	4.806
6/22/2017 9:52:49 AM	20.001	5.023	10.972	4.843
6/22/2017 9:52:50 AM	21.001	4.983	10.963	4.936
6/22/2017 9:52:51 AM	22.001	4.968	10.972	4.971
6/22/2017 9:52:52 AM	23.001	4.943	10.949	5.027
6/22/2017 9:52:53 AM	24.001	4.749	10.980	5.477
6/22/2017 9:52:54 AM	25.001	4.924	10.955	5.072
6/22/2017 9:52:55 AM	26.001	4.910	10.963	5.103
6/22/2017 9:52:56 AM	27.001	4.904	10.950	5.118
6/22/2017 9:52:57 AM	28.001	4.887	10.958	5.157
6/22/2017 9:52:58 AM	29.001	4.879	10.973	5.176
6/22/2017 9:52:59 AM	30.001	4.867	10.953	5.203
6/22/2017 9:53:00 AM	31.001	4.857	10.977	5.225
6/22/2017 9:53:01 AM	32.001	4.849	10.970	5.245
6/22/2017 9:53:02 AM	33.001	4.842	10.933	5.261
6/22/2017 9:53:03 AM	34.001	4.832	10.949	5.285
6/22/2017 9:53:04 AM	35.001	4.821	10.930	5.310
6/22/2017 9:53:05 AM	36.001	4.815	10.946	5.323
6/22/2017 9:53:06 AM	37.001	4.803	10.942	5.351
6/22/2017 9:53:07 AM	38.001	4.797	10.970	5.366
6/22/2017 9:53:08 AM	39.001	4.790	10.964	5.381
6/22/2017 9:53:09 AM	40.001	4.778	10.975	5.409
6/22/2017 9:53:10 AM	41.001	4.773	10.962	5.420

6/22/2017 9:53:11 AM	42.001	4.765	10.962	5.438
6/22/2017 9:53:12 AM	43.001	4.756	10.933	5.460
6/22/2017 9:53:13 AM	44.001	4.746	10.908	5.482
6/22/2017 9:53:14 AM	45.001	4.741	10.925	5.495
6/22/2017 9:53:15 AM	46.001	4.736	10.925	5.505
6/22/2017 9:53:16 AM	47.001	4.727	10.957	5.528
6/22/2017 9:53:17 AM	48.001	4.722	10.960	5.539
6/22/2017 9:53:18 AM	49.001	4.714	10.929	5.558
6/22/2017 9:53:19 AM	50.001	4.708	10.958	5.569
6/22/2017 9:53:20 AM	51.001	4.704	10.999	5.579
6/22/2017 9:53:21 AM	52.001	4.696	10.971	5.598
6/22/2017 9:53:22 AM	53.001	4.691	10.961	5.611
6/22/2017 9:53:23 AM	54.001	4.686	10.936	5.621
6/22/2017 9:53:24 AM	55.001	4.680	10.947	5.635
6/22/2017 9:53:25 AM	56.001	4.674	10.988	5.648
6/22/2017 9:53:26 AM	57.001	4.664	10.978	5.672
6/22/2017 9:53:27 AM	58.001	4.665	10.950	5.669
6/22/2017 9:53:28 AM	59.001	4.659	10.980	5.684
6/22/2017 9:53:29 AM	60.001	4.653	10.965	5.697
6/22/2017 9:53:30 AM	61.001	4.648	10.961	5.709
6/22/2017 9:53:31 AM	62.001	4.645	10.933	5.716
6/22/2017 9:53:32 AM	63.001	4.637	10.940	5.733
6/22/2017 9:53:33 AM	64.001	4.635	10.955	5.738
6/22/2017 9:53:34 AM	65.001	4.629	10.917	5.752
6/22/2017 9:53:35 AM	66.001	4.626	10.963	5.760
6/22/2017 9:53:36 AM	67.001	4.622	10.944	5.769
6/22/2017 9:53:37 AM	68.001	4.615	10.927	5.785
6/22/2017 9:53:38 AM	69.001	4.613	10.983	5.789
6/22/2017 9:53:39 AM	70.001	4.608	10.949	5.800
6/22/2017 9:53:40 AM	71.001	4.604	10.943	5.810
6/22/2017 9:53:41 AM	72.001	4.598	10.948	5.823
6/22/2017 9:53:42 AM	73.001	4.595	10.916	5.831
6/22/2017 9:53:43 AM	74.001	4.596	10.937	5.829
6/22/2017 9:53:44 AM	75.001	4.590	10.908	5.842
6/22/2017 9:53:45 AM	76.001	4.585	10.938	5.855
6/22/2017 9:53:46 AM	77.001	4.580	10.916	5.866
6/22/2017 9:53:47 AM	78.001	4.580	10.890	5.867
6/22/2017 9:53:48 AM	79.001	4.578	10.935	5.870
6/22/2017 9:53:49 AM	80.001	4.570	10.968	5.888
6/22/2017 9:53:50 AM	81.001	4.570	10.951	5.888
6/22/2017 9:53:51 AM	82.001	4.565	10.937	5.900
6/22/2017 9:53:52 AM	83.001	4.561	10.964	5.909
6/22/2017 9:53:53 AM	84.001	4.558	10.908	5.916
6/22/2017 9:53:54 AM	85.001	4.557	10.922	5.918
6/22/2017 9:53:55 AM	86.001	4.554	10.948	5.927
6/22/2017 9:53:56 AM	87.001	4.551	10.930	5.932
6/22/2017 9:53:57 AM	88.001	4.546	10.900	5.946
6/22/2017 9:53:58 AM	89.001	4.543	10.947	5.951
6/22/2017 9:53:59 AM	90.001	4.544	10.908	5.950
6/22/2017 9:54:00 AM	91.001	4.538	10.895	5.964
6/22/2017 9:54:01 AM	92.001	4.534	10.956	5.972
6/22/2017 9:54:02 AM	93.001	4.536	10.924	5.969
6/22/2017 9:54:03 AM	94.001	4.530	10.950	5.982
6/22/2017 9:54:04 AM	95.001	4.528	10.935	5.986
6/22/2017 9:54:05 AM	96.001	4.524	10.917	5.995
6/22/2017 9:54:06 AM	97.001	4.524	10.924	5.995
6/22/2017 9:54:07 AM	98.001	4.520	10.906	6.005
6/22/2017 9:54:08 AM	99.001	4.517	10.943	6.010
6/22/2017 9:54:09 AM	100.001	4.517	10.909	6.011
6/22/2017 9:54:10 AM	101.001	4.515	10.920	6.017
6/22/2017 9:54:11 AM	102.001	4.511	10.933	6.025
6/22/2017 9:54:12 AM	103.001	4.508	10.954	6.032
6/22/2017 9:54:13 AM	104.001	4.510	10.931	6.028

6/22/2017 9:54:14 AM	105.001	4.507	10.921	6.036
6/22/2017 9:54:15 AM	106.001	4.503	10.908	6.044
6/22/2017 9:54:16 AM	107.001	4.501	10.953	6.049
6/22/2017 9:54:17 AM	108.001	4.497	10.903	6.058
6/22/2017 9:54:18 AM	109.001	4.498	10.908	6.054
6/22/2017 9:54:19 AM	110.001	4.496	10.930	6.060
6/22/2017 9:54:20 AM	111.001	4.497	10.933	6.057
6/22/2017 9:54:21 AM	112.001	4.492	10.919	6.070
6/22/2017 9:54:22 AM	113.001	4.491	10.927	6.071
6/22/2017 9:54:23 AM	114.001	4.489	10.896	6.076
6/22/2017 9:54:24 AM	115.001	4.488	10.947	6.077
6/22/2017 9:54:25 AM	116.001	4.486	10.925	6.083
6/22/2017 9:54:26 AM	117.001	4.482	10.923	6.091
6/22/2017 9:54:27 AM	118.001	4.485	10.891	6.084
6/22/2017 9:54:28 AM	119.001	4.482	10.920	6.092
6/22/2017 9:54:29 AM	120.001	4.481	10.930	6.096
6/22/2017 9:54:30 AM	121.001	4.479	10.940	6.100
6/22/2017 9:54:31 AM	122.001	4.475	10.916	6.109
6/22/2017 9:54:32 AM	123.001	4.476	10.941	6.105
6/22/2017 9:54:33 AM	124.001	4.471	10.901	6.117
6/22/2017 9:54:34 AM	125.001	4.472	10.869	6.115
6/22/2017 9:54:35 AM	126.001	4.470	10.888	6.119
6/22/2017 9:54:36 AM	127.001	4.467	10.912	6.128
6/22/2017 9:54:37 AM	128.001	4.468	10.921	6.124
6/22/2017 9:54:38 AM	129.001	4.465	10.927	6.131
6/22/2017 9:54:39 AM	130.001	4.466	10.946	6.128
6/22/2017 9:54:40 AM	131.001	4.466	10.901	6.129
6/22/2017 9:54:41 AM	132.001	4.464	10.924	6.135
6/22/2017 9:54:42 AM	133.001	4.463	10.899	6.137
6/22/2017 9:54:43 AM	134.001	4.462	10.897	6.137
6/22/2017 9:54:44 AM	135.001	4.460	10.922	6.143
6/22/2017 9:54:45 AM	136.001	4.458	10.917	6.148
6/22/2017 9:54:46 AM	137.001	4.460	10.908	6.142
6/22/2017 9:54:47 AM	138.001	4.456	10.905	6.153
6/22/2017 9:54:48 AM	139.001	4.456	10.915	6.153
6/22/2017 9:54:49 AM	140.001	4.458	10.904	6.148
6/22/2017 9:54:50 AM	141.001	4.452	10.888	6.162
6/22/2017 9:54:51 AM	142.001	4.454	10.895	6.156
6/22/2017 9:54:52 AM	143.001	4.451	10.911	6.164
6/22/2017 9:54:53 AM	144.001	4.451	10.905	6.163
6/22/2017 9:54:54 AM	145.001	4.449	10.890	6.169
6/22/2017 9:54:55 AM	146.001	4.451	10.908	6.165
6/22/2017 9:54:56 AM	147.001	4.451	10.940	6.164
6/22/2017 9:54:57 AM	148.001	4.448	10.878	6.172
6/22/2017 9:54:58 AM	149.001	4.447	10.898	6.172
6/22/2017 9:54:59 AM	150.001	4.447	10.924	6.173
6/22/2017 9:55:00 AM	151.001	4.446	10.928	6.176
6/22/2017 9:55:01 AM	152.001	4.445	10.898	6.178
6/22/2017 9:55:02 AM	153.001	4.445	10.904	6.177
6/22/2017 9:55:03 AM	154.001	4.442	10.871	6.184
6/22/2017 9:55:04 AM	155.001	4.442	10.880	6.185
6/22/2017 9:55:05 AM	156.001	4.442	10.919	6.184
6/22/2017 9:55:06 AM	157.001	4.440	10.919	6.188
6/22/2017 9:55:07 AM	158.001	4.440	10.893	6.189
6/22/2017 9:55:08 AM	159.001	4.441	10.920	6.188
6/22/2017 9:55:09 AM	160.001	4.438	10.883	6.193
6/22/2017 9:55:10 AM	161.001	4.439	10.915	6.191
6/22/2017 9:55:11 AM	162.001	4.437	10.892	6.197
6/22/2017 9:55:12 AM	163.001	4.438	10.928	6.194
6/22/2017 9:55:13 AM	164.001	4.437	10.906	6.196
6/22/2017 9:55:14 AM	165.001	4.435	10.891	6.202
6/22/2017 9:55:15 AM	166.001	4.436	10.903	6.198
6/22/2017 9:55:16 AM	167.001	4.432	10.905	6.207

6/22/2017 9:55:17 AM	168.001	4.432	10.944	6.209
6/22/2017 9:55:18 AM	169.001	4.431	10.904	6.210
6/22/2017 9:55:19 AM	170.001	4.435	10.902	6.201
6/22/2017 9:55:20 AM	171.001	4.430	10.932	6.213
6/22/2017 9:55:21 AM	172.001	4.433	10.905	6.205
6/22/2017 9:55:22 AM	173.001	4.429	10.917	6.215
6/22/2017 9:55:23 AM	174.001	4.431	10.911	6.210
6/22/2017 9:55:24 AM	175.001	4.429	10.907	6.216
6/22/2017 9:55:25 AM	176.001	4.428	10.892	6.216
6/22/2017 9:55:26 AM	177.001	4.427	10.916	6.219
6/22/2017 9:55:27 AM	178.001	4.431	10.913	6.209
6/22/2017 9:55:28 AM	179.001	4.425	10.894	6.224
6/22/2017 9:55:29 AM	180.001	4.427	10.881	6.218
6/22/2017 9:55:30 AM	181.001	4.427	10.932	6.218
6/22/2017 9:55:31 AM	182.001	4.425	10.913	6.225
6/22/2017 9:55:32 AM	183.001	4.425	10.914	6.225
6/22/2017 9:55:33 AM	184.001	4.424	10.906	6.226
6/22/2017 9:55:34 AM	185.001	4.425	10.889	6.223
6/22/2017 9:55:35 AM	186.001	4.424	10.907	6.225
6/22/2017 9:55:36 AM	187.001	4.423	10.919	6.228
6/22/2017 9:55:37 AM	188.001	4.426	10.902	6.221
6/22/2017 9:55:38 AM	189.001	4.422	10.924	6.230
6/22/2017 9:55:39 AM	190.001	4.423	10.924	6.229
6/22/2017 9:55:40 AM	191.001	4.421	10.901	6.233
6/22/2017 9:55:41 AM	192.001	4.421	10.911	6.233
6/22/2017 9:55:42 AM	193.001	4.422	10.880	6.232
6/22/2017 9:55:43 AM	194.001	4.418	10.891	6.239
6/22/2017 9:55:44 AM	195.001	4.418	10.903	6.239
6/22/2017 9:55:45 AM	196.001	4.421	10.922	6.234
6/22/2017 9:55:46 AM	197.001	4.421	10.883	6.234
6/22/2017 9:55:47 AM	198.001	4.419	10.913	6.239
6/22/2017 9:55:48 AM	199.001	4.419	10.914	6.238
6/22/2017 9:55:49 AM	200.001	4.420	10.939	6.235
6/22/2017 9:55:50 AM	201.001	4.416	10.898	6.244
6/22/2017 9:55:51 AM	202.001	4.417	10.915	6.242
6/22/2017 9:55:52 AM	203.151	4.416	10.948	6.246
6/22/2017 9:55:53 AM	204.001	4.416	10.930	6.244
6/22/2017 9:55:54 AM	205.001	4.415	10.891	6.246
6/22/2017 9:55:55 AM	206.001	4.415	10.896	6.246
6/22/2017 9:55:56 AM	207.001	4.416	10.938	6.245
6/22/2017 9:55:57 AM	208.001	4.416	10.904	6.246
6/22/2017 9:55:58 AM	209.001	4.414	10.929	6.249
6/22/2017 9:55:59 AM	210.001	4.414	10.938	6.249
6/22/2017 9:56:00 AM	211.001	4.418	10.911	6.240
6/22/2017 9:56:01 AM	212.001	4.415	10.922	6.247
6/22/2017 9:56:02 AM	213.174	4.415	10.929	6.246
6/22/2017 9:56:03 AM	214.001	4.415	10.910	6.247
6/22/2017 9:56:04 AM	215.001	4.411	10.898	6.256
6/22/2017 9:56:05 AM	216.001	4.410	10.919	6.259
6/22/2017 9:56:06 AM	217.001	4.413	10.899	6.251
6/22/2017 9:56:07 AM	218.001	4.412	10.923	6.253
6/22/2017 9:56:08 AM	219.001	4.411	10.913	6.256
6/22/2017 9:56:09 AM	220.001	4.413	10.939	6.252
6/22/2017 9:56:10 AM	221.001	4.413	10.936	6.251
6/22/2017 9:56:11 AM	222.001	4.415	10.921	6.248
6/22/2017 9:56:12 AM	223.140	4.412	10.924	6.253
6/22/2017 9:56:13 AM	224.001	4.412	10.937	6.254
6/22/2017 9:56:14 AM	225.001	4.408	10.884	6.262
6/22/2017 9:56:15 AM	226.001	4.409	10.912	6.260
6/22/2017 9:56:16 AM	227.001	4.408	10.936	6.262
6/22/2017 9:56:17 AM	228.001	4.411	10.932	6.256
6/22/2017 9:56:18 AM	229.001	4.409	10.949	6.261
6/22/2017 9:56:19 AM	230.001	4.408	10.947	6.263

6/22/2017 9:56:20 AM	231.001	4.410	10.933	6.259
6/22/2017 9:56:21 AM	232.102	4.411	10.931	6.257
6/22/2017 9:56:22 AM	233.001	4.408	10.908	6.264
6/22/2017 9:56:23 AM	234.001	4.405	10.913	6.270
6/22/2017 9:56:24 AM	235.001	4.410	10.949	6.258
6/22/2017 9:56:25 AM	236.001	4.408	10.923	6.264
6/22/2017 9:56:26 AM	237.001	4.408	10.925	6.263
6/22/2017 9:56:27 AM	238.001	4.407	10.875	6.265
6/22/2017 9:56:28 AM	239.001	4.406	10.899	6.267
6/22/2017 9:56:29 AM	240.001	4.408	10.931	6.263
6/22/2017 9:56:30 AM	241.001	4.408	10.934	6.263
6/22/2017 9:56:31 AM	242.001	4.407	10.887	6.265
6/22/2017 9:56:32 AM	243.141	4.408	10.946	6.262
6/22/2017 9:56:33 AM	244.001	4.407	10.926	6.266
6/22/2017 9:56:34 AM	245.001	4.405	10.928	6.269
6/22/2017 9:56:35 AM	246.001	4.404	10.911	6.271
6/22/2017 9:56:36 AM	247.001	4.405	10.927	6.271
6/22/2017 9:56:37 AM	248.001	4.406	10.935	6.268
6/22/2017 9:56:38 AM	249.001	4.406	10.954	6.269
6/22/2017 9:56:39 AM	250.001	4.408	10.955	6.264
6/22/2017 9:56:40 AM	251.001	4.406	10.921	6.268
6/22/2017 9:56:41 AM	252.001	4.406	10.894	6.267
6/22/2017 9:56:42 AM	253.141	4.405	10.951	6.270
6/22/2017 9:56:43 AM	254.001	4.406	10.947	6.267
6/22/2017 9:56:44 AM	255.001	4.404	10.909	6.273
6/22/2017 9:56:45 AM	256.001	4.407	10.950	6.265
6/22/2017 9:56:46 AM	257.001	4.402	10.931	6.278
6/22/2017 9:56:47 AM	258.001	4.406	10.938	6.269
6/22/2017 9:56:48 AM	259.001	4.403	10.926	6.274
6/22/2017 9:56:49 AM	260.001	4.401	10.924	6.279
6/22/2017 9:56:50 AM	261.001	4.406	10.921	6.267
6/22/2017 9:56:51 AM	262.001	4.404	10.932	6.273
6/22/2017 9:56:52 AM	263.143	4.404	10.945	6.273
6/22/2017 9:56:53 AM	264.001	4.404	10.917	6.272
6/22/2017 9:56:54 AM	265.001	4.403	10.961	6.275
6/22/2017 9:56:55 AM	266.001	4.403	10.927	6.276
6/22/2017 9:56:56 AM	267.001	4.402	10.953	6.278
6/22/2017 9:56:57 AM	268.001	4.402	10.955	6.278
6/22/2017 9:56:58 AM	269.001	4.398	10.945	6.287
6/22/2017 9:56:59 AM	270.001	4.402	10.970	6.277
6/22/2017 9:57:00 AM	271.001	4.400	10.934	6.281
6/22/2017 9:57:01 AM	272.001	4.400	10.939	6.282
6/22/2017 9:57:02 AM	273.178	4.408	10.963	6.263
6/22/2017 9:57:03 AM	274.001	4.400	10.959	6.282
6/22/2017 9:57:04 AM	275.001	4.400	10.948	6.282
6/22/2017 9:57:05 AM	276.001	4.403	10.891	6.275
6/22/2017 9:57:06 AM	277.001	4.402	10.947	6.278
6/22/2017 9:57:07 AM	278.001	4.401	10.955	6.278
6/22/2017 9:57:08 AM	279.001	4.403	10.938	6.274
6/22/2017 9:57:09 AM	280.001	4.400	10.950	6.281
6/22/2017 9:57:10 AM	281.001	4.404	10.930	6.271
6/22/2017 9:57:11 AM	282.001	4.402	10.951	6.277
6/22/2017 9:57:12 AM	283.001	4.402	10.945	6.278
6/22/2017 9:57:13 AM	284.001	4.400	10.934	6.281
6/22/2017 9:57:14 AM	285.001	4.400	10.949	6.281
6/22/2017 9:57:15 AM	286.001	4.403	10.965	6.276
6/22/2017 9:57:16 AM	287.001	4.401	10.930	6.279
6/22/2017 9:57:17 AM	288.001	4.398	10.928	6.286
6/22/2017 9:57:18 AM	289.001	4.400	10.962	6.281
6/22/2017 9:57:19 AM	290.001	4.398	10.883	6.286
6/22/2017 9:57:20 AM	291.001	4.402	10.922	6.278
6/22/2017 9:57:21 AM	292.001	4.402	10.934	6.276
6/22/2017 9:57:22 AM	293.001	4.401	10.933	6.278

6/22/2017 9:57:23 AM	294.001	4.401	10.911	6.279
6/22/2017 9:57:24 AM	295.001	4.397	10.984	6.289
6/22/2017 9:57:25 AM	296.001	4.402	10.945	6.277
6/22/2017 9:57:26 AM	297.001	4.400	10.956	6.281
6/22/2017 9:57:27 AM	298.001	4.398	10.915	6.285
6/22/2017 9:57:28 AM	299.001	4.402	10.961	6.276
6/22/2017 9:57:29 AM	300.063	4.401	10.963	6.279
6/22/2017 9:58:29 AM	360.063	4.396	10.966	6.290
6/22/2017 9:59:29 AM	420.063	4.396	10.933	6.292
6/22/2017 10:00:29 AM	480.063	4.394	10.957	6.296
6/22/2017 10:01:29 AM	540.063	4.393	10.934	6.298
6/22/2017 10:02:29 AM	600.063	4.393	10.953	6.298
6/22/2017 10:03:29 AM	660.325	4.395	10.970	6.293
6/22/2017 10:04:29 AM	720.324	4.393	10.986	6.298
6/22/2017 10:05:29 AM	780.063	4.393	10.957	6.297
6/22/2017 10:06:29 AM	840.063	4.389	10.966	6.308
6/22/2017 10:07:29 AM	900.063	4.389	10.937	6.308
6/22/2017 10:08:29 AM	960.063	4.394	10.981	6.295
6/22/2017 10:09:29 AM	1020.063	4.389	10.963	6.306
6/22/2017 10:10:29 AM	1080.063	4.392	10.958	6.299
6/22/2017 10:11:29 AM	1140.063	4.391	10.967	6.302

Report Date: 7/10/2017 10:08:48 AM
Report User Name: dalmond
Report Computer Name: PINEWRKMA25-PC
Application: WinSitu.exe
Application Version: 5.6.25.0

Log File Properties:
File Name: CH-MW016 FH2_2017-07-10_10-08-42-804.wsl
Create Date: 7/10/2017 10:08:40 AM

Device Properties:
Device: Level TROLL 700
Site: Camp Hero
Device Name: Level Troll 700
Serial Number: 402202
Firmware Version: 3.02
Hardware Version: 4
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 3
Used Battery(%): 12

Log Configuration
Log Name: CH-MW016 FH2
Created By: Unknown
Computer Name: Pocket PC
Application: WinSituMobile.exe
Application Version: 5.6.0.10
Create Date: 3/4/2006 5:14:41 AM Eastern Standard Time
Log Setup Time Zone: Eastern Standard Time
Notes Size(bytes): 4096
Overwrite when full: Disabled
Scheduled Start Time: Manual Start
Scheduled Stop Time: No Stop Time
Type: Step Test
Steps: 2 (Linear)
Step: 1
Duration: Days: 0 hrs: 00 mins: 05 secs: 00
Interval: Days: 0 hrs: 00 mins: 00 secs: 01
Step: 2
Duration: Days: 0 hrs: 04 mins: 00 secs: 00
Interval: Days: 0 hrs: 00 mins: 01 secs: 00

Level Reference Settings At Log Creation
Level Measurement Mode: Level Depth To Water
Specific Gravity: 0.999
Level Reference Mode: Set new reference
Level Reference Value: 0 (ft)
Level Reference Head Pressure: 4.37911 (PSI)

Other Log Settings
Pressure Offset: 0.00335646 (PSI)
Depth of Probe: 10.1209 (ft)
Head Pressure: 4.38332 (PSI)
Temperature: 10.9877 (C)

Log Notes:

Date and Time	Note
6/22/2017 10:55:28 AM	Used Battery: 12% Used Memory: 4% User Name: Unknown
6/22/2017 10:56:57 AM	Manual Start Command
6/22/2017 11:34:18 AM	Used Battery: 12% Used Memory: 4% User Name: Unknown
6/22/2017 11:34:19 AM	Manual Stop Command

Log Data:
Record Count: 333
Sensors: 1
1 - 402202: Pressure/Temp 30 PSIG (21m/69ft)
Time Zone: Eastern Daylight Time

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 69ft SN#: 402202 Pressure (PSI)	Sensor: Pres(G) 69ft SN#: 402202 Temperature (C)	Sensor: Pres(G) 69ft SN#: 402202 Level Depth To Water (ft)
6/22/2017 10:56:57 AM	0.000	4.390	10.928	-0.026
6/22/2017 10:56:58 AM	1.001	4.390	10.974	-0.025
6/22/2017 10:56:59 AM	2.001	4.387	10.952	-0.017
6/22/2017 10:57:00 AM	3.001	4.388	10.948	-0.020
6/22/2017 10:57:01 AM	4.001	4.388	10.927	-0.019
6/22/2017 10:57:02 AM	5.001	4.385	10.919	-0.013
6/22/2017 10:57:03 AM	6.001	4.386	10.975	-0.015
6/22/2017 10:57:04 AM	7.001	4.388	10.934	-0.020
6/22/2017 10:57:05 AM	8.001	4.387	10.930	-0.018
6/22/2017 10:57:06 AM	9.001	4.385	10.980	-0.015
6/22/2017 10:57:07 AM	10.001	4.391	10.920	-0.028
6/22/2017 10:57:08 AM	11.001	4.389	10.940	-0.024
6/22/2017 10:57:09 AM	12.001	4.387	10.967	-0.018
6/22/2017 10:57:10 AM	13.001	4.386	10.987	-0.016
6/22/2017 10:57:11 AM	14.001	4.386	10.974	-0.017
6/22/2017 10:57:12 AM	15.001	4.390	10.935	-0.025
6/22/2017 10:57:13 AM	16.001	4.387	10.938	-0.019
6/22/2017 10:57:14 AM	17.001	4.392	10.969	-0.029
6/22/2017 10:57:15 AM	18.001	4.388	10.984	-0.021
6/22/2017 10:57:16 AM	19.001	4.705	10.962	-0.753
6/22/2017 10:57:17 AM	20.001	5.246	10.960	-2.003
6/22/2017 10:57:18 AM	21.001	5.127	10.969	-1.726
6/22/2017 10:57:19 AM	22.001	5.232	10.943	-1.968
6/22/2017 10:57:20 AM	23.001	5.111	10.927	-1.690
6/22/2017 10:57:21 AM	24.001	4.990	10.931	-1.411
6/22/2017 10:57:22 AM	25.001	4.991	10.942	-1.412
6/22/2017 10:57:23 AM	26.001	4.970	10.968	-1.364
6/22/2017 10:57:24 AM	27.001	4.952	10.935	-1.324
6/22/2017 10:57:25 AM	28.001	4.935	10.951	-1.284
6/22/2017 10:57:26 AM	29.001	4.918	10.922	-1.245
6/22/2017 10:57:27 AM	30.001	4.905	10.973	-1.215
6/22/2017 10:57:28 AM	31.001	4.894	10.964	-1.189
6/22/2017 10:57:29 AM	32.001	4.879	10.977	-1.154
6/22/2017 10:57:30 AM	33.001	4.869	10.948	-1.132
6/22/2017 10:57:31 AM	34.001	4.859	10.966	-1.107
6/22/2017 10:57:32 AM	35.001	4.847	10.994	-1.080
6/22/2017 10:57:33 AM	36.001	4.838	10.942	-1.061
6/22/2017 10:57:34 AM	37.001	4.831	10.971	-1.043
6/22/2017 10:57:35 AM	38.001	4.818	10.929	-1.012
6/22/2017 10:57:36 AM	39.001	4.808	10.949	-0.991
6/22/2017 10:57:37 AM	40.001	4.799	10.961	-0.969
6/22/2017 10:57:38 AM	41.001	4.790	10.960	-0.948
6/22/2017 10:57:39 AM	42.001	4.785	10.974	-0.937

6/22/2017 10:57:40 AM	43.001	4.781	10.926	-0.927
6/22/2017 10:57:41 AM	44.001	4.771	10.951	-0.904
6/22/2017 10:57:42 AM	45.001	4.761	10.942	-0.881
6/22/2017 10:57:43 AM	46.001	4.757	10.952	-0.872
6/22/2017 10:57:44 AM	47.001	4.745	10.947	-0.845
6/22/2017 10:57:45 AM	48.001	4.742	10.979	-0.837
6/22/2017 10:57:46 AM	49.001	4.735	10.930	-0.821
6/22/2017 10:57:47 AM	50.001	4.731	10.970	-0.811
6/22/2017 10:57:48 AM	51.001	4.720	10.933	-0.787
6/22/2017 10:57:49 AM	52.001	4.713	10.949	-0.771
6/22/2017 10:57:50 AM	53.001	4.710	10.966	-0.764
6/22/2017 10:57:51 AM	54.001	4.701	10.964	-0.742
6/22/2017 10:57:52 AM	55.001	4.694	10.961	-0.727
6/22/2017 10:57:53 AM	56.001	4.694	10.989	-0.727
6/22/2017 10:57:54 AM	57.001	4.683	10.940	-0.702
6/22/2017 10:57:55 AM	58.001	4.677	10.944	-0.689
6/22/2017 10:57:56 AM	59.001	4.676	10.974	-0.686
6/22/2017 10:57:57 AM	60.001	4.670	10.977	-0.671
6/22/2017 10:57:58 AM	61.001	4.665	10.974	-0.660
6/22/2017 10:57:59 AM	62.001	4.663	10.966	-0.656
6/22/2017 10:58:00 AM	63.001	4.660	10.959	-0.647
6/22/2017 10:58:01 AM	64.001	4.649	10.985	-0.624
6/22/2017 10:58:02 AM	65.001	4.650	10.930	-0.627
6/22/2017 10:58:03 AM	66.001	4.643	10.975	-0.609
6/22/2017 10:58:04 AM	67.001	4.638	10.966	-0.598
6/22/2017 10:58:05 AM	68.001	4.646	10.961	-0.615
6/22/2017 10:58:06 AM	69.001	4.630	10.961	-0.580
6/22/2017 10:58:07 AM	70.001	4.625	10.948	-0.567
6/22/2017 10:58:08 AM	71.001	4.620	10.967	-0.556
6/22/2017 10:58:09 AM	72.001	4.618	10.953	-0.552
6/22/2017 10:58:10 AM	73.001	4.615	10.934	-0.544
6/22/2017 10:58:11 AM	74.001	4.608	10.982	-0.528
6/22/2017 10:58:12 AM	75.001	4.602	10.986	-0.514
6/22/2017 10:58:13 AM	76.001	4.599	10.949	-0.507
6/22/2017 10:58:14 AM	77.001	4.598	10.952	-0.506
6/22/2017 10:58:15 AM	78.001	4.594	10.941	-0.496
6/22/2017 10:58:16 AM	79.001	4.591	10.970	-0.490
6/22/2017 10:58:17 AM	80.001	4.585	10.976	-0.475
6/22/2017 10:58:18 AM	81.001	4.585	10.968	-0.475
6/22/2017 10:58:19 AM	82.001	4.579	10.949	-0.461
6/22/2017 10:58:20 AM	83.001	4.577	10.940	-0.457
6/22/2017 10:58:21 AM	84.001	4.573	10.956	-0.447
6/22/2017 10:58:22 AM	85.001	4.569	10.965	-0.439
6/22/2017 10:58:23 AM	86.001	4.568	10.961	-0.437
6/22/2017 10:58:24 AM	87.001	4.569	10.938	-0.437
6/22/2017 10:58:25 AM	88.001	4.561	10.933	-0.421
6/22/2017 10:58:26 AM	89.001	4.561	10.939	-0.420
6/22/2017 10:58:27 AM	90.001	4.554	10.951	-0.403
6/22/2017 10:58:28 AM	91.001	4.552	10.957	-0.400
6/22/2017 10:58:29 AM	92.001	4.549	10.969	-0.392
6/22/2017 10:58:30 AM	93.001	4.547	10.938	-0.388
6/22/2017 10:58:31 AM	94.001	4.543	10.949	-0.378
6/22/2017 10:58:32 AM	95.001	4.543	10.933	-0.378
6/22/2017 10:58:33 AM	96.001	4.541	10.913	-0.373
6/22/2017 10:58:34 AM	97.001	4.540	10.952	-0.370
6/22/2017 10:58:35 AM	98.001	4.532	10.931	-0.353
6/22/2017 10:58:36 AM	99.001	4.535	10.964	-0.360
6/22/2017 10:58:37 AM	100.001	4.528	10.959	-0.343
6/22/2017 10:58:38 AM	101.001	4.524	10.999	-0.335
6/22/2017 10:58:39 AM	102.001	4.524	10.949	-0.335
6/22/2017 10:58:40 AM	103.001	4.522	10.963	-0.330
6/22/2017 10:58:41 AM	104.001	4.519	10.938	-0.324
6/22/2017 10:58:42 AM	105.001	4.519	10.963	-0.322

6/22/2017 10:58:43 AM	106.001	4.516	10.945	-0.317
6/22/2017 10:58:44 AM	107.001	4.513	10.940	-0.309
6/22/2017 10:58:45 AM	108.001	4.509	10.947	-0.301
6/22/2017 10:58:46 AM	109.001	4.512	10.944	-0.307
6/22/2017 10:58:47 AM	110.001	4.507	10.965	-0.296
6/22/2017 10:58:48 AM	111.001	4.507	10.947	-0.296
6/22/2017 10:58:49 AM	112.001	4.505	10.953	-0.290
6/22/2017 10:58:50 AM	113.001	4.503	10.948	-0.286
6/22/2017 10:58:51 AM	114.001	4.500	10.911	-0.278
6/22/2017 10:58:52 AM	115.001	4.499	10.947	-0.277
6/22/2017 10:58:53 AM	116.001	4.496	10.952	-0.270
6/22/2017 10:58:54 AM	117.001	4.497	10.964	-0.273
6/22/2017 10:58:55 AM	118.001	4.493	10.938	-0.263
6/22/2017 10:58:56 AM	119.001	4.492	10.920	-0.260
6/22/2017 10:58:57 AM	120.001	4.489	10.936	-0.254
6/22/2017 10:58:58 AM	121.001	4.486	10.969	-0.248
6/22/2017 10:58:59 AM	122.001	4.486	10.956	-0.246
6/22/2017 10:59:00 AM	123.001	4.484	10.922	-0.243
6/22/2017 10:59:01 AM	124.001	4.483	10.957	-0.241
6/22/2017 10:59:02 AM	125.001	4.483	10.943	-0.239
6/22/2017 10:59:03 AM	126.001	4.481	10.929	-0.235
6/22/2017 10:59:04 AM	127.001	4.480	10.933	-0.232
6/22/2017 10:59:05 AM	128.001	4.477	10.974	-0.226
6/22/2017 10:59:06 AM	129.001	4.474	10.957	-0.218
6/22/2017 10:59:07 AM	130.001	4.475	10.928	-0.222
6/22/2017 10:59:08 AM	131.001	4.471	10.944	-0.212
6/22/2017 10:59:09 AM	132.001	4.471	10.950	-0.213
6/22/2017 10:59:10 AM	133.001	4.473	10.944	-0.216
6/22/2017 10:59:11 AM	134.001	4.470	10.960	-0.209
6/22/2017 10:59:12 AM	135.001	4.469	10.952	-0.208
6/22/2017 10:59:13 AM	136.001	4.468	10.959	-0.206
6/22/2017 10:59:14 AM	137.001	4.464	10.954	-0.196
6/22/2017 10:59:15 AM	138.001	4.465	10.938	-0.198
6/22/2017 10:59:16 AM	139.001	4.463	11.001	-0.195
6/22/2017 10:59:17 AM	140.001	4.463	10.945	-0.194
6/22/2017 10:59:18 AM	141.001	4.462	10.963	-0.192
6/22/2017 10:59:19 AM	142.001	4.459	10.967	-0.184
6/22/2017 10:59:20 AM	143.001	4.456	10.927	-0.177
6/22/2017 10:59:21 AM	144.001	4.457	10.963	-0.180
6/22/2017 10:59:22 AM	145.001	4.456	10.959	-0.178
6/22/2017 10:59:23 AM	146.001	4.455	10.920	-0.175
6/22/2017 10:59:24 AM	147.001	4.456	10.937	-0.179
6/22/2017 10:59:25 AM	148.001	4.454	10.951	-0.173
6/22/2017 10:59:26 AM	149.001	4.454	10.909	-0.172
6/22/2017 10:59:27 AM	150.001	4.451	10.949	-0.167
6/22/2017 10:59:28 AM	151.001	4.453	10.949	-0.170
6/22/2017 10:59:29 AM	152.001	4.451	10.947	-0.165
6/22/2017 10:59:30 AM	153.001	4.452	10.962	-0.168
6/22/2017 10:59:31 AM	154.001	4.448	10.922	-0.158
6/22/2017 10:59:32 AM	155.001	4.450	10.945	-0.163
6/22/2017 10:59:33 AM	156.001	4.445	10.941	-0.153
6/22/2017 10:59:34 AM	157.001	4.445	10.964	-0.152
6/22/2017 10:59:35 AM	158.001	4.446	10.950	-0.154
6/22/2017 10:59:36 AM	159.001	4.443	10.930	-0.148
6/22/2017 10:59:37 AM	160.001	4.442	10.944	-0.144
6/22/2017 10:59:38 AM	161.001	4.442	10.956	-0.146
6/22/2017 10:59:39 AM	162.001	4.440	10.944	-0.141
6/22/2017 10:59:40 AM	163.001	4.442	10.950	-0.144
6/22/2017 10:59:41 AM	164.001	4.440	10.949	-0.140
6/22/2017 10:59:42 AM	165.001	4.440	10.940	-0.139
6/22/2017 10:59:43 AM	166.016	4.444	10.976	-0.151
6/22/2017 10:59:44 AM	167.001	4.437	10.936	-0.134
6/22/2017 10:59:45 AM	168.001	4.436	10.972	-0.132

6/22/2017 10:59:46 AM	169.001	4.437	10.944	-0.134
6/22/2017 10:59:47 AM	170.001	4.434	10.971	-0.127
6/22/2017 10:59:48 AM	171.001	4.434	10.958	-0.126
6/22/2017 10:59:49 AM	172.001	4.431	10.922	-0.121
6/22/2017 10:59:50 AM	173.001	4.433	10.968	-0.125
6/22/2017 10:59:51 AM	174.001	4.432	10.972	-0.123
6/22/2017 10:59:52 AM	175.038	4.431	10.964	-0.121
6/22/2017 10:59:53 AM	176.001	4.432	10.950	-0.122
6/22/2017 10:59:54 AM	177.001	4.430	10.922	-0.118
6/22/2017 10:59:55 AM	178.001	4.430	10.947	-0.117
6/22/2017 10:59:56 AM	179.001	4.430	10.976	-0.118
6/22/2017 10:59:57 AM	180.001	4.428	10.966	-0.114
6/22/2017 10:59:58 AM	181.001	4.428	10.934	-0.112
6/22/2017 10:59:59 AM	182.001	4.429	10.934	-0.114
6/22/2017 11:00:00 AM	183.001	4.428	10.977	-0.112
6/22/2017 11:00:01 AM	184.001	4.426	10.913	-0.107
6/22/2017 11:00:02 AM	185.001	4.429	10.925	-0.114
6/22/2017 11:00:03 AM	186.075	4.428	10.975	-0.113
6/22/2017 11:00:04 AM	187.001	4.426	10.947	-0.108
6/22/2017 11:00:05 AM	188.001	4.425	10.962	-0.106
6/22/2017 11:00:06 AM	189.001	4.423	10.954	-0.102
6/22/2017 11:00:07 AM	190.001	4.421	10.972	-0.098
6/22/2017 11:00:08 AM	191.001	4.423	10.937	-0.101
6/22/2017 11:00:09 AM	192.001	4.421	10.947	-0.097
6/22/2017 11:00:10 AM	193.001	4.420	10.984	-0.095
6/22/2017 11:00:11 AM	194.001	4.421	10.952	-0.096
6/22/2017 11:00:12 AM	195.001	4.417	10.988	-0.088
6/22/2017 11:00:13 AM	196.072	4.422	10.986	-0.098
6/22/2017 11:00:14 AM	197.001	4.422	10.961	-0.099
6/22/2017 11:00:15 AM	198.001	4.417	10.968	-0.087
6/22/2017 11:00:16 AM	199.001	4.417	10.962	-0.088
6/22/2017 11:00:17 AM	200.001	4.418	10.981	-0.090
6/22/2017 11:00:18 AM	201.001	4.416	10.974	-0.086
6/22/2017 11:00:19 AM	202.001	4.417	10.969	-0.088
6/22/2017 11:00:20 AM	203.001	4.417	10.973	-0.086
6/22/2017 11:00:21 AM	204.001	4.417	10.947	-0.087
6/22/2017 11:00:22 AM	205.001	4.415	10.949	-0.083
6/22/2017 11:00:23 AM	206.071	4.416	11.005	-0.086
6/22/2017 11:00:24 AM	207.001	4.414	10.966	-0.081
6/22/2017 11:00:25 AM	208.001	4.418	11.001	-0.089
6/22/2017 11:00:26 AM	209.001	4.414	10.968	-0.081
6/22/2017 11:00:27 AM	210.001	4.414	10.997	-0.081
6/22/2017 11:00:28 AM	211.001	4.413	10.987	-0.079
6/22/2017 11:00:29 AM	212.001	4.416	10.966	-0.086
6/22/2017 11:00:30 AM	213.001	4.412	10.967	-0.077
6/22/2017 11:00:31 AM	214.001	4.413	10.969	-0.077
6/22/2017 11:00:32 AM	215.001	4.411	10.956	-0.074
6/22/2017 11:00:33 AM	216.071	4.414	10.979	-0.081
6/22/2017 11:00:34 AM	217.001	4.413	10.994	-0.078
6/22/2017 11:00:35 AM	218.001	4.413	10.936	-0.079
6/22/2017 11:00:36 AM	219.001	4.412	10.979	-0.076
6/22/2017 11:00:37 AM	220.001	4.411	10.980	-0.074
6/22/2017 11:00:38 AM	221.001	4.410	10.977	-0.072
6/22/2017 11:00:39 AM	222.001	4.412	10.999	-0.077
6/22/2017 11:00:40 AM	223.001	4.409	10.971	-0.070
6/22/2017 11:00:41 AM	224.001	4.410	10.986	-0.072
6/22/2017 11:00:42 AM	225.032	4.408	10.995	-0.066
6/22/2017 11:00:43 AM	226.001	4.409	10.991	-0.069
6/22/2017 11:00:44 AM	227.001	4.409	10.997	-0.068
6/22/2017 11:00:45 AM	228.001	4.408	10.977	-0.067
6/22/2017 11:00:46 AM	229.001	4.409	11.002	-0.068
6/22/2017 11:00:47 AM	230.001	4.407	10.985	-0.063
6/22/2017 11:00:48 AM	231.001	4.409	10.977	-0.069

6/22/2017 11:00:49 AM	232.001	4.411	10.978	-0.073
6/22/2017 11:00:50 AM	233.001	4.406	10.988	-0.062
6/22/2017 11:00:51 AM	234.001	4.406	10.961	-0.063
6/22/2017 11:00:52 AM	235.001	4.405	10.986	-0.060
6/22/2017 11:00:53 AM	236.070	4.407	10.989	-0.065
6/22/2017 11:00:54 AM	237.001	4.405	11.014	-0.060
6/22/2017 11:00:55 AM	238.001	4.404	11.026	-0.058
6/22/2017 11:00:56 AM	239.001	4.405	10.994	-0.059
6/22/2017 11:00:57 AM	240.001	4.406	10.979	-0.062
6/22/2017 11:00:58 AM	241.001	4.404	10.992	-0.059
6/22/2017 11:00:59 AM	242.001	4.403	11.005	-0.055
6/22/2017 11:01:00 AM	243.001	4.407	10.981	-0.064
6/22/2017 11:01:01 AM	244.001	4.407	11.021	-0.063
6/22/2017 11:01:02 AM	245.001	4.403	10.996	-0.056
6/22/2017 11:01:03 AM	246.099	4.403	11.022	-0.055
6/22/2017 11:01:04 AM	247.001	4.403	11.002	-0.054
6/22/2017 11:01:05 AM	248.001	4.404	11.000	-0.058
6/22/2017 11:01:06 AM	249.001	4.404	11.013	-0.058
6/22/2017 11:01:07 AM	250.001	4.405	11.011	-0.060
6/22/2017 11:01:08 AM	251.001	4.403	11.042	-0.056
6/22/2017 11:01:09 AM	252.001	4.401	10.993	-0.051
6/22/2017 11:01:10 AM	253.001	4.401	11.024	-0.051
6/22/2017 11:01:11 AM	254.001	4.405	11.027	-0.059
6/22/2017 11:01:12 AM	255.001	4.401	11.012	-0.050
6/22/2017 11:01:13 AM	256.097	4.403	11.017	-0.054
6/22/2017 11:01:14 AM	257.001	4.401	11.018	-0.051
6/22/2017 11:01:15 AM	258.001	4.400	11.024	-0.048
6/22/2017 11:01:16 AM	259.001	4.401	11.023	-0.051
6/22/2017 11:01:17 AM	260.001	4.402	11.053	-0.053
6/22/2017 11:01:18 AM	261.001	4.401	10.970	-0.050
6/22/2017 11:01:19 AM	262.001	4.400	11.021	-0.049
6/22/2017 11:01:20 AM	263.001	4.400	11.012	-0.049
6/22/2017 11:01:21 AM	264.001	4.397	11.010	-0.042
6/22/2017 11:01:22 AM	265.001	4.399	11.027	-0.047
6/22/2017 11:01:23 AM	266.096	4.399	11.022	-0.046
6/22/2017 11:01:24 AM	267.001	4.402	11.019	-0.052
6/22/2017 11:01:25 AM	268.001	4.400	11.005	-0.049
6/22/2017 11:01:26 AM	269.001	4.400	11.024	-0.048
6/22/2017 11:01:27 AM	270.001	4.398	11.046	-0.044
6/22/2017 11:01:28 AM	271.001	4.400	11.027	-0.048
6/22/2017 11:01:29 AM	272.001	4.400	11.056	-0.048
6/22/2017 11:01:30 AM	273.001	4.400	10.988	-0.048
6/22/2017 11:01:31 AM	274.001	4.398	11.012	-0.043
6/22/2017 11:01:32 AM	275.001	4.399	11.016	-0.045
6/22/2017 11:01:33 AM	276.095	4.403	11.040	-0.055
6/22/2017 11:01:34 AM	277.001	4.398	11.027	-0.044
6/22/2017 11:01:35 AM	278.001	4.398	11.049	-0.044
6/22/2017 11:01:36 AM	279.001	4.400	11.055	-0.047
6/22/2017 11:01:37 AM	280.001	4.397	11.031	-0.041
6/22/2017 11:01:38 AM	281.001	4.397	11.039	-0.041
6/22/2017 11:01:39 AM	282.001	4.397	11.001	-0.040
6/22/2017 11:01:40 AM	283.001	4.399	11.013	-0.047
6/22/2017 11:01:41 AM	284.001	4.398	11.007	-0.043
6/22/2017 11:01:42 AM	285.052	4.399	11.046	-0.046
6/22/2017 11:01:43 AM	286.001	4.397	11.007	-0.040
6/22/2017 11:01:44 AM	287.001	4.395	11.022	-0.037
6/22/2017 11:01:45 AM	288.001	4.395	11.055	-0.036
6/22/2017 11:01:46 AM	289.001	4.399	11.031	-0.045
6/22/2017 11:01:47 AM	290.001	4.395	11.013	-0.037
6/22/2017 11:01:48 AM	291.001	4.397	11.033	-0.042
6/22/2017 11:01:49 AM	292.001	4.397	11.030	-0.041
6/22/2017 11:01:50 AM	293.001	4.395	11.019	-0.036
6/22/2017 11:01:51 AM	294.001	4.395	11.017	-0.037

6/22/2017 11:01:52 AM	295.001	4.397	11.016	-0.042
6/22/2017 11:01:53 AM	296.091	4.399	11.014	-0.047
6/22/2017 11:01:54 AM	297.001	4.397	11.063	-0.040
6/22/2017 11:01:55 AM	298.001	4.395	11.047	-0.037
6/22/2017 11:01:56 AM	299.001	4.395	11.032	-0.036
6/22/2017 11:01:57 AM	300.001	4.397	11.024	-0.042
6/22/2017 11:02:57 AM	360.001	4.389	11.038	-0.022
6/22/2017 11:03:57 AM	420.001	4.390	11.061	-0.026
6/22/2017 11:04:57 AM	480.001	4.387	11.044	-0.018
6/22/2017 11:05:57 AM	540.001	4.385	11.030	-0.013
6/22/2017 11:06:57 AM	600.001	4.387	11.073	-0.017
6/22/2017 11:07:57 AM	660.001	4.386	11.058	-0.016
6/22/2017 11:08:57 AM	720.001	4.385	11.044	-0.014
6/22/2017 11:09:57 AM	780.001	4.387	11.062	-0.019
6/22/2017 11:10:57 AM	840.001	4.385	11.043	-0.014
6/22/2017 11:11:57 AM	900.001	4.384	11.044	-0.011
6/22/2017 11:12:57 AM	960.001	4.384	11.031	-0.012
6/22/2017 11:13:57 AM	1020.001	4.381	11.041	-0.005
6/22/2017 11:14:57 AM	1080.001	4.382	11.041	-0.006
6/22/2017 11:15:57 AM	1140.001	4.384	11.021	-0.011
6/22/2017 11:16:57 AM	1200.001	4.384	11.016	-0.011
6/22/2017 11:17:57 AM	1260.001	4.384	11.008	-0.012
6/22/2017 11:18:57 AM	1320.001	4.385	11.027	-0.013
6/22/2017 11:19:57 AM	1380.001	4.383	11.018	-0.008
6/22/2017 11:20:57 AM	1440.001	4.382	10.987	-0.008
6/22/2017 11:21:57 AM	1500.001	4.383	11.021	-0.008
6/22/2017 11:22:57 AM	1560.001	4.383	10.994	-0.008
6/22/2017 11:23:57 AM	1620.001	4.384	10.996	-0.011
6/22/2017 11:24:57 AM	1680.001	4.383	10.994	-0.009
6/22/2017 11:25:57 AM	1740.001	4.382	11.016	-0.007
6/22/2017 11:26:57 AM	1800.001	4.385	11.032	-0.014
6/22/2017 11:27:57 AM	1860.001	4.385	11.008	-0.013
6/22/2017 11:28:57 AM	1920.001	4.382	11.003	-0.006
6/22/2017 11:29:57 AM	1980.001	4.385	11.020	-0.014
6/22/2017 11:30:57 AM	2040.001	4.384	11.016	-0.011
6/22/2017 11:31:57 AM	2100.001	4.384	11.018	-0.010
6/22/2017 11:32:57 AM	2160.001	4.384	10.995	-0.012
6/22/2017 11:33:57 AM	2220.001	4.385	11.012	-0.015

Report Date: 7/10/2017 9:54:12 AM
Report User Name: dalmond
Report Computer Name: PINEWRKMA25-PC
Application: WinSitu.exe
Application Version: 5.6.25.0

Log File Properties:
File Name: CH-MW016 FH3_2017-07-10_09-54-06-067.wsl
Create Date: 7/10/2017 9:54:04 AM

Device Properties:
Device: Level TROLL 700
Site: Camp Hero
Device Name: Level Troll 700
Serial Number: 402202
Firmware Version: 3.02
Hardware Version: 4
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 7
Used Battery(%): 12

Log Configuration
Log Name: CH-MW016 FH3
Created By: Unknown
Computer Name: Pocket PC
Application: WinSituMobile.exe
Application Version: 5.6.0.10
Create Date: 3/4/2006 6:33:54 AM Eastern Standard Time
Log Setup Time Zone: Eastern Standard Time
Notes Size(bytes): 4096
Overwrite when full: Disabled
Scheduled Start Time: Manual Start
Scheduled Stop Time: No Stop Time
Type: Step Test
Steps: 2 (Linear)
Step: 1
Duration: Days: 0 hrs: 00 mins: 05 secs: 00
Interval: Days: 0 hrs: 00 mins: 00 secs: 01
Step: 2
Duration: Days: 0 hrs: 04 mins: 00 secs: 00
Interval: Days: 0 hrs: 00 mins: 01 secs: 00

Level Reference Settings At Log Creation
Level Measurement Mode: Level Depth To Water
Specific Gravity: 0.999
Level Reference Mode: Set new reference
Level Reference Value: 0 (ft)
Level Reference Head Pressure: 4.38745 (PSI)

Other Log Settings
Pressure Offset: 0.00335646 (PSI)
Depth of Probe: 10.1328 (ft)
Head Pressure: 4.38844 (PSI)
Temperature: 11.0105 (C)

Log Notes:

Date and Time	Note
6/22/2017 12:14:40 PM	Used Battery: 12% Used Memory: 9% User Name: Unknown
6/22/2017 12:15:18 PM	Manual Start Command
6/22/2017 12:22:52 PM	Log Download - Used Battery: 12% Used Memory: 9% User Name: Unknown
6/22/2017 12:42:22 PM	Used Battery: 12% Used Memory: 9% User Name: Unknown
6/22/2017 12:42:22 PM	Manual Stop Command

Log Data:
Record Count: 323
Sensors: 1
1 - 402202: Pressure/Temp 30 PSIG (21m/69ft)
Time Zone: Eastern Daylight Time

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 69ft SN#: 402202 Pressure (PSI)	Sensor: Pres(G) 69ft SN#: 402202 Temperature (C)	Sensor: Pres(G) 69ft SN#: 402202 Level Depth To Water (ft)
6/22/2017 12:15:18 PM	0.000	4.390	10.942	-0.006
6/22/2017 12:15:19 PM	1.001	4.388	10.977	-0.000
6/22/2017 12:15:20 PM	2.001	4.390	10.986	-0.006
6/22/2017 12:15:21 PM	3.001	4.390	10.968	-0.005
6/22/2017 12:15:22 PM	4.001	4.385	10.996	0.006
6/22/2017 12:15:23 PM	5.001	4.389	11.002	-0.003
6/22/2017 12:15:24 PM	6.001	4.387	10.969	0.001
6/22/2017 12:15:25 PM	7.001	4.388	10.952	-0.002
6/22/2017 12:15:26 PM	8.001	4.387	10.968	0.001
6/22/2017 12:15:27 PM	9.001	4.387	10.995	0.001
6/22/2017 12:15:28 PM	10.001	4.384	10.969	0.009
6/22/2017 12:15:29 PM	11.001	4.384	10.949	0.007
6/22/2017 12:15:30 PM	12.001	4.388	10.966	-0.001
6/22/2017 12:15:31 PM	13.001	4.385	10.987	0.005
6/22/2017 12:15:32 PM	14.001	4.390	10.965	-0.005
6/22/2017 12:15:33 PM	15.001	4.388	10.952	-0.001
6/22/2017 12:15:34 PM	16.001	4.387	10.983	0.002
6/22/2017 12:15:35 PM	17.001	4.387	11.011	0.001
6/22/2017 12:15:36 PM	18.001	4.387	10.966	0.002
6/22/2017 12:15:37 PM	19.001	4.389	10.961	-0.003
6/22/2017 12:15:38 PM	20.001	4.388	11.008	-0.002
6/22/2017 12:15:39 PM	21.001	4.537	10.973	-0.345
6/22/2017 12:15:40 PM	22.001	5.411	10.981	-2.363
6/22/2017 12:15:41 PM	23.001	5.175	10.960	-1.818
6/22/2017 12:15:42 PM	24.001	4.948	11.015	-1.294
6/22/2017 12:15:43 PM	25.001	4.977	10.974	-1.362
6/22/2017 12:15:44 PM	26.001	5.102	10.965	-1.650
6/22/2017 12:15:45 PM	27.001	5.100	10.958	-1.644
6/22/2017 12:15:46 PM	28.001	5.070	10.976	-1.577
6/22/2017 12:15:47 PM	29.001	5.071	10.979	-1.577
6/22/2017 12:15:48 PM	30.001	5.046	10.969	-1.520
6/22/2017 12:15:49 PM	31.001	5.037	10.985	-1.501
6/22/2017 12:15:50 PM	32.001	5.021	10.980	-1.463
6/22/2017 12:15:51 PM	33.001	5.009	10.980	-1.436
6/22/2017 12:15:52 PM	34.001	4.993	10.995	-1.398
6/22/2017 12:15:53 PM	35.001	4.982	11.013	-1.373
6/22/2017 12:15:54 PM	36.001	4.967	10.958	-1.337
6/22/2017 12:15:55 PM	37.016	4.956	10.972	-1.313
6/22/2017 12:15:56 PM	38.001	4.946	11.005	-1.289
6/22/2017 12:15:57 PM	39.001	4.936	10.961	-1.266
6/22/2017 12:15:58 PM	40.001	4.924	10.985	-1.240
6/22/2017 12:15:59 PM	41.001	4.912	10.982	-1.210

6/22/2017 12:16:00 PM	42.001	4.902	10.984	-1.187
6/22/2017 12:16:01 PM	43.001	4.891	10.976	-1.162
6/22/2017 12:16:02 PM	44.001	4.879	11.019	-1.135
6/22/2017 12:16:03 PM	45.001	4.868	10.963	-1.109
6/22/2017 12:16:04 PM	46.001	4.862	10.952	-1.097
6/22/2017 12:16:05 PM	47.001	4.849	10.983	-1.066
6/22/2017 12:16:06 PM	48.001	4.844	10.990	-1.053
6/22/2017 12:16:07 PM	49.001	4.835	11.004	-1.033
6/22/2017 12:16:08 PM	50.001	4.824	10.956	-1.007
6/22/2017 12:16:09 PM	51.001	4.815	11.004	-0.988
6/22/2017 12:16:10 PM	52.001	4.804	10.947	-0.963
6/22/2017 12:16:11 PM	53.001	4.800	10.969	-0.952
6/22/2017 12:16:12 PM	54.001	4.769	10.979	-0.881
6/22/2017 12:16:13 PM	55.001	4.775	10.980	-0.894
6/22/2017 12:16:14 PM	56.001	4.775	10.969	-0.894
6/22/2017 12:16:15 PM	57.001	4.767	10.960	-0.876
6/22/2017 12:16:16 PM	58.001	4.764	10.989	-0.869
6/22/2017 12:16:17 PM	59.001	4.755	10.945	-0.850
6/22/2017 12:16:18 PM	60.001	4.746	10.957	-0.827
6/22/2017 12:16:19 PM	61.001	4.741	10.963	-0.817
6/22/2017 12:16:20 PM	62.001	4.733	10.969	-0.799
6/22/2017 12:16:21 PM	63.001	4.725	10.991	-0.780
6/22/2017 12:16:22 PM	64.001	4.720	10.977	-0.767
6/22/2017 12:16:23 PM	65.001	4.715	10.994	-0.756
6/22/2017 12:16:24 PM	66.001	4.708	10.978	-0.741
6/22/2017 12:16:25 PM	67.001	4.706	10.960	-0.735
6/22/2017 12:16:26 PM	68.001	4.696	10.983	-0.713
6/22/2017 12:16:27 PM	69.001	4.691	10.944	-0.700
6/22/2017 12:16:28 PM	70.001	4.682	10.991	-0.680
6/22/2017 12:16:29 PM	71.001	4.679	10.955	-0.672
6/22/2017 12:16:30 PM	72.001	4.672	10.977	-0.656
6/22/2017 12:16:31 PM	73.001	4.669	10.961	-0.651
6/22/2017 12:16:32 PM	74.001	4.664	10.958	-0.639
6/22/2017 12:16:33 PM	75.001	4.657	10.996	-0.621
6/22/2017 12:16:34 PM	76.001	4.649	10.972	-0.605
6/22/2017 12:16:35 PM	77.001	4.645	10.977	-0.594
6/22/2017 12:16:36 PM	78.001	4.642	10.999	-0.587
6/22/2017 12:16:37 PM	79.001	4.637	10.964	-0.575
6/22/2017 12:16:38 PM	80.001	4.633	10.947	-0.568
6/22/2017 12:16:39 PM	81.001	4.631	11.013	-0.562
6/22/2017 12:16:40 PM	82.001	4.623	10.989	-0.544
6/22/2017 12:16:41 PM	83.001	4.619	10.950	-0.535
6/22/2017 12:16:42 PM	84.001	4.615	10.991	-0.526
6/22/2017 12:16:43 PM	85.001	4.611	10.961	-0.516
6/22/2017 12:16:44 PM	86.001	4.605	10.989	-0.502
6/22/2017 12:16:45 PM	87.001	4.600	10.966	-0.491
6/22/2017 12:16:46 PM	88.001	4.598	10.997	-0.487
6/22/2017 12:16:47 PM	89.001	4.593	10.997	-0.476
6/22/2017 12:16:48 PM	90.001	4.592	10.986	-0.472
6/22/2017 12:16:49 PM	91.001	4.587	11.010	-0.460
6/22/2017 12:16:50 PM	92.001	4.582	10.996	-0.448
6/22/2017 12:16:51 PM	93.001	4.580	10.952	-0.444
6/22/2017 12:16:52 PM	94.001	4.576	10.970	-0.435
6/22/2017 12:16:53 PM	95.001	4.573	10.979	-0.427
6/22/2017 12:16:54 PM	96.001	4.571	10.993	-0.424
6/22/2017 12:16:55 PM	97.001	4.568	10.958	-0.416
6/22/2017 12:16:56 PM	98.001	4.565	11.002	-0.411
6/22/2017 12:16:57 PM	99.001	4.560	10.992	-0.399
6/22/2017 12:16:58 PM	100.001	4.559	10.954	-0.395
6/22/2017 12:16:59 PM	101.001	4.552	10.968	-0.381
6/22/2017 12:17:00 PM	102.001	4.551	10.982	-0.377
6/22/2017 12:17:01 PM	103.001	4.548	10.969	-0.370
6/22/2017 12:17:02 PM	104.001	4.543	10.991	-0.360

6/22/2017 12:17:03 PM	105.001	4.543	10.972	-0.358
6/22/2017 12:17:04 PM	106.001	4.540	10.972	-0.352
6/22/2017 12:17:05 PM	107.001	4.535	10.974	-0.340
6/22/2017 12:17:06 PM	108.001	4.536	10.959	-0.343
6/22/2017 12:17:07 PM	109.001	4.531	10.952	-0.331
6/22/2017 12:17:08 PM	110.001	4.525	10.973	-0.318
6/22/2017 12:17:09 PM	111.001	4.524	10.972	-0.315
6/22/2017 12:17:10 PM	112.001	4.524	11.007	-0.315
6/22/2017 12:17:11 PM	113.001	4.520	10.992	-0.305
6/22/2017 12:17:12 PM	114.001	4.517	11.000	-0.298
6/22/2017 12:17:13 PM	115.001	4.519	10.989	-0.304
6/22/2017 12:17:14 PM	116.001	4.513	10.931	-0.291
6/22/2017 12:17:15 PM	117.001	4.514	10.977	-0.292
6/22/2017 12:17:16 PM	118.001	4.508	11.019	-0.278
6/22/2017 12:17:17 PM	119.001	4.510	10.990	-0.283
6/22/2017 12:17:18 PM	120.001	4.504	10.977	-0.268
6/22/2017 12:17:19 PM	121.001	4.503	10.986	-0.267
6/22/2017 12:17:20 PM	122.001	4.502	10.958	-0.265
6/22/2017 12:17:21 PM	123.001	4.500	10.974	-0.261
6/22/2017 12:17:22 PM	124.001	4.498	11.002	-0.256
6/22/2017 12:17:23 PM	125.001	4.494	11.019	-0.245
6/22/2017 12:17:24 PM	126.001	4.490	10.977	-0.236
6/22/2017 12:17:25 PM	127.001	4.493	10.971	-0.243
6/22/2017 12:17:26 PM	128.001	4.488	11.001	-0.232
6/22/2017 12:17:27 PM	129.001	4.488	10.954	-0.232
6/22/2017 12:17:28 PM	130.001	4.487	10.955	-0.229
6/22/2017 12:17:29 PM	131.001	4.484	11.000	-0.222
6/22/2017 12:17:30 PM	132.001	4.486	10.957	-0.227
6/22/2017 12:17:31 PM	133.001	4.483	10.955	-0.220
6/22/2017 12:17:32 PM	134.001	4.479	10.991	-0.212
6/22/2017 12:17:33 PM	135.001	4.477	10.982	-0.206
6/22/2017 12:17:34 PM	136.001	4.476	10.959	-0.205
6/22/2017 12:17:35 PM	137.001	4.475	10.979	-0.202
6/22/2017 12:17:36 PM	138.001	4.476	10.975	-0.204
6/22/2017 12:17:37 PM	139.001	4.470	11.001	-0.191
6/22/2017 12:17:38 PM	140.001	4.473	10.980	-0.199
6/22/2017 12:17:39 PM	141.001	4.469	10.973	-0.189
6/22/2017 12:17:40 PM	142.001	4.464	10.969	-0.177
6/22/2017 12:17:41 PM	143.001	4.464	10.975	-0.177
6/22/2017 12:17:42 PM	144.001	4.465	10.969	-0.179
6/22/2017 12:17:43 PM	145.001	4.462	11.009	-0.172
6/22/2017 12:17:44 PM	146.001	4.465	10.991	-0.179
6/22/2017 12:17:45 PM	147.001	4.460	10.978	-0.167
6/22/2017 12:17:46 PM	148.001	4.461	10.970	-0.169
6/22/2017 12:17:47 PM	149.001	4.459	10.997	-0.165
6/22/2017 12:17:48 PM	150.001	4.455	11.003	-0.156
6/22/2017 12:17:49 PM	151.001	4.453	10.983	-0.152
6/22/2017 12:17:50 PM	152.001	4.455	11.007	-0.157
6/22/2017 12:17:51 PM	153.001	4.455	11.005	-0.156
6/22/2017 12:17:52 PM	154.001	4.452	10.983	-0.149
6/22/2017 12:17:53 PM	155.001	4.454	10.996	-0.154
6/22/2017 12:17:54 PM	156.001	4.453	10.986	-0.151
6/22/2017 12:17:55 PM	157.001	4.452	10.998	-0.150
6/22/2017 12:17:56 PM	158.001	4.448	10.981	-0.140
6/22/2017 12:17:57 PM	159.001	4.450	11.001	-0.146
6/22/2017 12:17:58 PM	160.001	4.446	10.967	-0.136
6/22/2017 12:17:59 PM	161.001	4.445	10.993	-0.133
6/22/2017 12:18:00 PM	162.001	4.444	10.967	-0.130
6/22/2017 12:18:01 PM	163.001	4.444	11.008	-0.130
6/22/2017 12:18:02 PM	164.001	4.441	11.000	-0.124
6/22/2017 12:18:03 PM	165.001	4.441	10.981	-0.125
6/22/2017 12:18:04 PM	166.001	4.440	10.999	-0.121
6/22/2017 12:18:05 PM	167.001	4.440	10.981	-0.120

6/22/2017 12:18:06 PM	168.001	4.439	11.010	-0.118
6/22/2017 12:18:07 PM	169.001	4.440	11.002	-0.120
6/22/2017 12:18:08 PM	170.001	4.438	11.005	-0.118
6/22/2017 12:18:09 PM	171.001	4.440	11.009	-0.122
6/22/2017 12:18:10 PM	172.001	4.438	11.027	-0.117
6/22/2017 12:18:11 PM	173.001	4.435	10.986	-0.110
6/22/2017 12:18:12 PM	174.001	4.437	11.008	-0.115
6/22/2017 12:18:13 PM	175.001	4.435	11.023	-0.111
6/22/2017 12:18:14 PM	176.001	4.433	10.973	-0.106
6/22/2017 12:18:15 PM	177.001	4.434	11.014	-0.107
6/22/2017 12:18:16 PM	178.001	4.433	11.024	-0.105
6/22/2017 12:18:17 PM	179.001	4.431	10.988	-0.102
6/22/2017 12:18:18 PM	180.001	4.431	11.015	-0.101
6/22/2017 12:18:19 PM	181.001	4.431	10.997	-0.102
6/22/2017 12:18:20 PM	182.001	4.428	11.011	-0.094
6/22/2017 12:18:21 PM	183.001	4.429	11.008	-0.095
6/22/2017 12:18:22 PM	184.001	4.432	10.991	-0.104
6/22/2017 12:18:23 PM	185.001	4.430	11.037	-0.098
6/22/2017 12:18:24 PM	186.001	4.427	11.013	-0.092
6/22/2017 12:18:25 PM	187.001	4.428	10.994	-0.093
6/22/2017 12:18:26 PM	188.001	4.429	11.027	-0.096
6/22/2017 12:18:27 PM	189.001	4.423	11.015	-0.082
6/22/2017 12:18:28 PM	190.001	4.426	11.008	-0.089
6/22/2017 12:18:29 PM	191.001	4.420	10.990	-0.076
6/22/2017 12:18:30 PM	192.001	4.422	11.019	-0.081
6/22/2017 12:18:31 PM	193.001	4.421	10.976	-0.077
6/22/2017 12:18:32 PM	194.001	4.424	11.041	-0.084
6/22/2017 12:18:33 PM	195.001	4.424	10.980	-0.084
6/22/2017 12:18:34 PM	196.001	4.422	10.988	-0.079
6/22/2017 12:18:35 PM	197.001	4.424	10.994	-0.085
6/22/2017 12:18:36 PM	198.001	4.420	11.013	-0.074
6/22/2017 12:18:37 PM	199.001	4.419	11.019	-0.073
6/22/2017 12:18:38 PM	200.001	4.419	10.991	-0.072
6/22/2017 12:18:39 PM	201.001	4.419	11.026	-0.074
6/22/2017 12:18:40 PM	202.001	4.419	11.022	-0.073
6/22/2017 12:18:41 PM	203.001	4.417	11.002	-0.069
6/22/2017 12:18:42 PM	204.001	4.417	11.041	-0.067
6/22/2017 12:18:43 PM	205.001	4.418	11.000	-0.070
6/22/2017 12:18:44 PM	206.001	4.417	11.001	-0.068
6/22/2017 12:18:45 PM	207.001	4.417	10.984	-0.069
6/22/2017 12:18:46 PM	208.001	4.413	10.980	-0.060
6/22/2017 12:18:47 PM	209.001	4.415	11.020	-0.063
6/22/2017 12:18:48 PM	210.001	4.415	11.009	-0.063
6/22/2017 12:18:49 PM	211.001	4.416	11.016	-0.067
6/22/2017 12:18:50 PM	212.001	4.413	11.019	-0.058
6/22/2017 12:18:51 PM	213.001	4.412	11.038	-0.057
6/22/2017 12:18:52 PM	214.001	4.413	10.984	-0.059
6/22/2017 12:18:53 PM	215.001	4.412	11.014	-0.056
6/22/2017 12:18:54 PM	216.001	4.414	11.024	-0.062
6/22/2017 12:18:55 PM	217.001	4.413	10.994	-0.058
6/22/2017 12:18:56 PM	218.001	4.412	11.041	-0.056
6/22/2017 12:18:57 PM	219.001	4.411	11.027	-0.055
6/22/2017 12:18:58 PM	220.001	4.410	11.019	-0.052
6/22/2017 12:18:59 PM	221.001	4.411	11.022	-0.054
6/22/2017 12:19:00 PM	222.001	4.410	11.016	-0.051
6/22/2017 12:19:01 PM	223.001	4.410	11.025	-0.051
6/22/2017 12:19:02 PM	224.001	4.407	11.024	-0.044
6/22/2017 12:19:03 PM	225.001	4.412	11.022	-0.057
6/22/2017 12:19:04 PM	226.001	4.409	11.016	-0.049
6/22/2017 12:19:05 PM	227.001	4.405	10.999	-0.040
6/22/2017 12:19:06 PM	228.001	4.405	11.036	-0.040
6/22/2017 12:19:07 PM	229.001	4.408	11.040	-0.047
6/22/2017 12:19:08 PM	230.001	4.408	11.042	-0.047

6/22/2017 12:19:09 PM	231.001	4.409	11.040	-0.049
6/22/2017 12:19:10 PM	232.001	4.405	11.014	-0.042
6/22/2017 12:19:11 PM	233.001	4.411	11.048	-0.053
6/22/2017 12:19:12 PM	234.001	4.404	11.034	-0.038
6/22/2017 12:19:13 PM	235.001	4.403	11.033	-0.036
6/22/2017 12:19:14 PM	236.001	4.405	11.034	-0.041
6/22/2017 12:19:15 PM	237.001	4.407	11.055	-0.044
6/22/2017 12:19:16 PM	238.001	4.405	11.001	-0.040
6/22/2017 12:19:17 PM	239.001	4.403	11.029	-0.037
6/22/2017 12:19:18 PM	240.001	4.407	11.011	-0.045
6/22/2017 12:19:19 PM	241.001	4.406	11.030	-0.042
6/22/2017 12:19:20 PM	242.001	4.400	11.062	-0.028
6/22/2017 12:19:21 PM	243.001	4.401	11.013	-0.032
6/22/2017 12:19:22 PM	244.001	4.403	11.056	-0.036
6/22/2017 12:19:23 PM	245.001	4.401	11.050	-0.031
6/22/2017 12:19:24 PM	246.001	4.401	11.046	-0.032
6/22/2017 12:19:25 PM	247.001	4.402	11.034	-0.034
6/22/2017 12:19:26 PM	248.001	4.402	11.024	-0.034
6/22/2017 12:19:27 PM	249.001	4.402	11.037	-0.034
6/22/2017 12:19:28 PM	250.001	4.404	10.984	-0.038
6/22/2017 12:19:29 PM	251.001	4.400	11.064	-0.029
6/22/2017 12:19:30 PM	252.001	4.399	11.031	-0.028
6/22/2017 12:19:31 PM	253.001	4.401	11.035	-0.030
6/22/2017 12:19:32 PM	254.001	4.402	11.031	-0.033
6/22/2017 12:19:33 PM	255.001	4.400	11.047	-0.030
6/22/2017 12:19:34 PM	256.001	4.402	11.013	-0.033
6/22/2017 12:19:35 PM	257.001	4.402	11.046	-0.034
6/22/2017 12:19:36 PM	258.001	4.400	11.027	-0.029
6/22/2017 12:19:37 PM	259.001	4.400	11.023	-0.030
6/22/2017 12:19:38 PM	260.001	4.402	11.037	-0.034
6/22/2017 12:19:39 PM	261.001	4.403	11.012	-0.036
6/22/2017 12:19:40 PM	262.001	4.399	11.056	-0.027
6/22/2017 12:19:41 PM	263.001	4.398	11.062	-0.025
6/22/2017 12:19:42 PM	264.001	4.400	11.032	-0.030
6/22/2017 12:19:43 PM	265.001	4.400	11.045	-0.029
6/22/2017 12:19:44 PM	266.001	4.396	11.041	-0.020
6/22/2017 12:19:45 PM	267.001	4.398	11.030	-0.025
6/22/2017 12:19:46 PM	268.001	4.399	11.052	-0.027
6/22/2017 12:19:47 PM	269.001	4.401	11.049	-0.030
6/22/2017 12:19:48 PM	270.001	4.398	11.030	-0.025
6/22/2017 12:19:49 PM	271.001	4.397	11.050	-0.021
6/22/2017 12:19:50 PM	272.001	4.397	11.049	-0.021
6/22/2017 12:19:51 PM	273.001	4.397	11.052	-0.021
6/22/2017 12:19:52 PM	274.001	4.396	11.072	-0.019
6/22/2017 12:19:53 PM	275.001	4.396	11.039	-0.019
6/22/2017 12:19:54 PM	276.001	4.395	11.056	-0.017
6/22/2017 12:19:55 PM	277.001	4.397	11.059	-0.021
6/22/2017 12:19:56 PM	278.001	4.396	11.040	-0.019
6/22/2017 12:19:57 PM	279.001	4.397	11.075	-0.021
6/22/2017 12:19:58 PM	280.001	4.398	11.079	-0.025
6/22/2017 12:19:59 PM	281.001	4.394	11.055	-0.014
6/22/2017 12:20:00 PM	282.001	4.397	11.077	-0.021
6/22/2017 12:20:01 PM	283.001	4.396	11.056	-0.020
6/22/2017 12:20:02 PM	284.001	4.393	11.077	-0.012
6/22/2017 12:20:03 PM	285.001	4.397	11.046	-0.021
6/22/2017 12:20:04 PM	286.001	4.395	11.049	-0.017
6/22/2017 12:20:05 PM	287.001	4.394	11.047	-0.014
6/22/2017 12:20:06 PM	288.001	4.394	11.082	-0.016
6/22/2017 12:20:07 PM	289.001	4.398	11.074	-0.025
6/22/2017 12:20:08 PM	290.001	4.394	11.068	-0.015
6/22/2017 12:20:09 PM	291.001	4.395	11.072	-0.017
6/22/2017 12:20:10 PM	292.001	4.394	11.080	-0.015
6/22/2017 12:20:11 PM	293.001	4.395	11.066	-0.018

6/22/2017 12:20:12 PM	294.001	4.394	11.080	-0.016
6/22/2017 12:20:13 PM	295.001	4.394	11.063	-0.016
6/22/2017 12:20:14 PM	296.001	4.397	11.057	-0.021
6/22/2017 12:20:15 PM	297.001	4.391	11.058	-0.008
6/22/2017 12:20:16 PM	298.001	4.391	11.052	-0.008
6/22/2017 12:20:17 PM	299.001	4.397	11.080	-0.021
6/22/2017 12:20:18 PM	300.001	4.395	11.077	-0.018
6/22/2017 12:21:18 PM	360.001	4.388	11.046	-0.001
6/22/2017 12:22:18 PM	420.001	4.388	11.093	-0.001
6/22/2017 12:23:18 PM	480.001	4.385	11.116	0.007
6/22/2017 12:24:18 PM	540.006	4.385	11.116	0.005
6/22/2017 12:25:18 PM	600.001	4.385	11.115	0.006
6/22/2017 12:26:18 PM	660.001	4.385	11.123	0.006
6/22/2017 12:27:18 PM	720.001	4.382	11.102	0.012
6/22/2017 12:28:18 PM	780.001	4.385	11.115	0.006
6/22/2017 12:29:18 PM	840.002	4.382	11.092	0.012
6/22/2017 12:30:18 PM	900.001	4.387	11.114	0.001
6/22/2017 12:31:18 PM	960.002	4.385	11.108	0.007
6/22/2017 12:32:18 PM	1020.005	4.385	11.074	0.006
6/22/2017 12:33:18 PM	1080.010	4.383	11.116	0.010
6/22/2017 12:34:18 PM	1140.012	4.385	11.116	0.006
6/22/2017 12:35:18 PM	1200.016	4.384	11.115	0.009
6/22/2017 12:36:18 PM	1260.018	4.385	11.116	0.006
6/22/2017 12:37:18 PM	1320.024	4.386	11.097	0.004
6/22/2017 12:38:18 PM	1380.031	4.386	11.102	0.003
6/22/2017 12:39:18 PM	1440.001	4.384	11.062	0.008
6/22/2017 12:40:18 PM	1500.001	4.383	11.077	0.010
6/22/2017 12:41:18 PM	1560.001	4.383	11.052	0.010
6/22/2017 12:42:18 PM	1620.001	4.382	11.038	0.012

Report Date: 7/10/2017 10:09:23 AM
Report User Name: dalmond
Report Computer Name: PINEWRKMA25-PC
Application: WinSitu.exe
Application Version: 5.6.25.0

Log File Properties:
File Name: CH-MW016 RH1_2017-07-10_10-09-14-991.wsl
Create Date: 7/10/2017 10:09:08 AM

Device Properties:
Device: Level TROLL 700
Site: Camp Hero
Device Name: Level Troll 700
Serial Number: 402202
Firmware Version: 3.02
Hardware Version: 4
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 1
Used Battery(%): 12

Log Configuration
Log Name: CH-MW016 RH1
Created By: Unknown
Computer Name: Pocket PC
Application: WinSituMobile.exe
Application Version: 5.6.0.10
Create Date: 3/4/2006 4:33:30 AM Eastern Standard Time
Log Setup Time Zone: Eastern Standard Time
Notes Size(bytes): 4096
Overwrite when full: Disabled
Scheduled Start Time: Manual Start
Scheduled Stop Time: No Stop Time
Type: Step Test
Steps: 2 (Linear)
Step: 1
Duration: Days: 0 hrs: 00 mins: 05 secs: 00
Interval: Days: 0 hrs: 00 mins: 00 secs: 01
Step: 2
Duration: Days: 0 hrs: 04 mins: 00 secs: 00
Interval: Days: 0 hrs: 00 mins: 01 secs: 00

Level Reference Settings At Log Creation
Level Measurement Mode: Level Depth To Water
Specific Gravity: 0.999
Level Reference Mode: Set new reference
Level Reference Value: 0 (ft)
Level Reference Head Pressure: 4.39056 (PSI)

Other Log Settings
Pressure Offset: 0.00335646 (PSI)
Depth of Probe: 10.1398 (ft)
Head Pressure: 4.39148 (PSI)
Temperature: 11.0142 (C)

Log Notes:

Date and Time	Note
6/22/2017 10:14:17 AM	Used Battery: 12% Used Memory: 3% User Name: Unknown
6/22/2017 10:14:39 AM	Manual Start Command
6/22/2017 10:54:07 AM	Used Battery: 12% Used Memory: 3% User Name: Unknown
6/22/2017 10:54:08 AM	Manual Stop Command

Log Data:
Record Count: 335
Sensors: 1
1 - 402202: Pressure/Temp 30 PSIG (21m/69ft)
Time Zone: Eastern Daylight Time

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 69ft SN#: 402202 Pressure (PSI)	Sensor: Pres(G) 69ft SN#: 402202 Temperature (C)	Sensor: Pres(G) 69ft SN#: 402202 Level Depth To Water (ft)
6/22/2017 10:14:39 AM	0.000	4.392	10.957	-0.002
6/22/2017 10:14:40 AM	1.000	4.390	10.938	0.001
6/22/2017 10:14:41 AM	2.000	4.387	10.997	0.008
6/22/2017 10:14:42 AM	3.000	4.390	10.990	0.000
6/22/2017 10:14:43 AM	4.000	4.393	10.941	-0.005
6/22/2017 10:14:44 AM	5.000	4.098	10.994	0.676
6/22/2017 10:14:45 AM	6.000	3.661	10.977	1.685
6/22/2017 10:14:46 AM	7.000	3.581	10.984	1.869
6/22/2017 10:14:47 AM	8.000	3.615	10.997	1.792
6/22/2017 10:14:48 AM	9.000	3.644	10.970	1.724
6/22/2017 10:14:49 AM	10.000	3.672	10.960	1.658
6/22/2017 10:14:50 AM	11.000	3.698	10.986	1.599
6/22/2017 10:14:51 AM	12.000	3.725	10.980	1.537
6/22/2017 10:14:52 AM	13.000	3.749	10.964	1.480
6/22/2017 10:14:53 AM	14.000	3.771	11.000	1.431
6/22/2017 10:14:54 AM	15.000	3.789	10.992	1.389
6/22/2017 10:14:55 AM	16.000	3.807	10.972	1.348
6/22/2017 10:14:56 AM	17.000	3.818	10.993	1.323
6/22/2017 10:14:57 AM	18.000	3.829	10.990	1.297
6/22/2017 10:14:58 AM	19.000	3.845	11.009	1.260
6/22/2017 10:14:59 AM	20.000	3.853	10.985	1.241
6/22/2017 10:15:00 AM	21.000	3.862	11.007	1.220
6/22/2017 10:15:01 AM	22.000	3.874	10.994	1.193
6/22/2017 10:15:02 AM	23.000	3.879	10.994	1.181
6/22/2017 10:15:03 AM	24.000	3.890	10.999	1.156
6/22/2017 10:15:04 AM	25.000	3.899	11.003	1.135
6/22/2017 10:15:05 AM	26.000	3.907	10.979	1.116
6/22/2017 10:15:06 AM	27.000	3.920	10.974	1.086
6/22/2017 10:15:07 AM	28.000	3.929	11.007	1.065
6/22/2017 10:15:08 AM	29.000	3.937	10.988	1.048
6/22/2017 10:15:09 AM	30.000	3.943	10.993	1.033
6/22/2017 10:15:10 AM	31.000	3.951	10.983	1.015
6/22/2017 10:15:11 AM	32.000	3.962	11.011	0.991
6/22/2017 10:15:12 AM	33.000	3.964	10.958	0.984
6/22/2017 10:15:13 AM	34.000	3.977	11.006	0.955
6/22/2017 10:15:14 AM	35.000	3.982	10.994	0.944
6/22/2017 10:15:15 AM	36.000	3.991	10.976	0.923
6/22/2017 10:15:16 AM	37.000	3.999	10.966	0.905
6/22/2017 10:15:17 AM	38.000	4.005	11.008	0.890
6/22/2017 10:15:18 AM	39.000	4.013	10.988	0.871
6/22/2017 10:15:19 AM	40.000	4.017	10.963	0.862
6/22/2017 10:15:20 AM	41.000	4.026	10.987	0.841
6/22/2017 10:15:21 AM	42.000	4.031	10.958	0.829

6/22/2017 10:15:22 AM	43.000	4.040	10.970	0.809
6/22/2017 10:15:23 AM	44.000	4.045	11.030	0.797
6/22/2017 10:15:24 AM	45.000	4.051	11.021	0.784
6/22/2017 10:15:25 AM	46.000	4.054	10.980	0.776
6/22/2017 10:15:26 AM	47.000	4.064	10.998	0.754
6/22/2017 10:15:27 AM	48.000	4.066	10.969	0.749
6/22/2017 10:15:28 AM	49.000	4.075	11.009	0.729
6/22/2017 10:15:29 AM	50.000	4.081	10.998	0.715
6/22/2017 10:15:30 AM	51.000	4.088	11.008	0.699
6/22/2017 10:15:31 AM	52.000	4.094	11.017	0.684
6/22/2017 10:15:32 AM	53.000	4.093	10.999	0.688
6/22/2017 10:15:33 AM	54.000	4.100	11.004	0.672
6/22/2017 10:15:34 AM	55.000	4.107	10.982	0.656
6/22/2017 10:15:35 AM	56.000	4.114	10.990	0.639
6/22/2017 10:15:36 AM	57.000	4.117	10.998	0.632
6/22/2017 10:15:37 AM	58.000	4.121	11.012	0.623
6/22/2017 10:15:38 AM	59.000	4.126	11.001	0.612
6/22/2017 10:15:39 AM	60.000	4.132	11.007	0.597
6/22/2017 10:15:40 AM	61.000	4.137	11.019	0.586
6/22/2017 10:15:41 AM	62.000	4.141	10.972	0.577
6/22/2017 10:15:42 AM	63.000	4.144	10.994	0.570
6/22/2017 10:15:43 AM	64.000	4.148	10.983	0.561
6/22/2017 10:15:44 AM	65.000	4.151	11.006	0.553
6/22/2017 10:15:45 AM	66.000	4.159	10.974	0.535
6/22/2017 10:15:46 AM	67.000	4.162	11.002	0.528
6/22/2017 10:15:47 AM	68.000	4.163	10.982	0.526
6/22/2017 10:15:48 AM	69.000	4.167	11.018	0.515
6/22/2017 10:15:49 AM	70.000	4.168	11.005	0.513
6/22/2017 10:15:50 AM	71.000	4.177	10.972	0.494
6/22/2017 10:15:51 AM	72.000	4.178	11.002	0.490
6/22/2017 10:15:52 AM	73.000	4.184	10.973	0.477
6/22/2017 10:15:53 AM	74.000	4.186	11.007	0.472
6/22/2017 10:15:54 AM	75.000	4.190	10.999	0.463
6/22/2017 10:15:55 AM	76.000	4.194	11.026	0.455
6/22/2017 10:15:56 AM	77.000	4.198	10.989	0.445
6/22/2017 10:15:57 AM	78.000	4.199	10.984	0.442
6/22/2017 10:15:58 AM	79.000	4.202	10.980	0.435
6/22/2017 10:15:59 AM	80.000	4.209	10.975	0.420
6/22/2017 10:16:00 AM	81.000	4.210	10.990	0.416
6/22/2017 10:16:01 AM	82.000	4.212	10.977	0.413
6/22/2017 10:16:02 AM	83.000	4.214	10.958	0.407
6/22/2017 10:16:03 AM	84.000	4.220	10.966	0.393
6/22/2017 10:16:04 AM	85.000	4.222	10.966	0.390
6/22/2017 10:16:05 AM	86.000	4.224	11.003	0.385
6/22/2017 10:16:06 AM	87.000	4.228	11.019	0.376
6/22/2017 10:16:07 AM	88.000	4.230	10.992	0.371
6/22/2017 10:16:08 AM	89.000	4.234	10.980	0.362
6/22/2017 10:16:09 AM	90.000	4.235	10.989	0.360
6/22/2017 10:16:10 AM	91.000	4.236	10.974	0.357
6/22/2017 10:16:11 AM	92.000	4.239	10.998	0.350
6/22/2017 10:16:12 AM	93.000	4.245	10.973	0.336
6/22/2017 10:16:13 AM	94.000	4.244	10.967	0.339
6/22/2017 10:16:14 AM	95.000	4.249	11.002	0.327
6/22/2017 10:16:15 AM	96.000	4.252	10.997	0.319
6/22/2017 10:16:16 AM	97.000	4.251	10.987	0.321
6/22/2017 10:16:17 AM	98.000	4.254	11.012	0.315
6/22/2017 10:16:18 AM	99.000	4.259	10.991	0.303
6/22/2017 10:16:19 AM	100.000	4.259	10.983	0.305
6/22/2017 10:16:20 AM	101.000	4.259	11.008	0.305
6/22/2017 10:16:21 AM	102.000	4.265	10.974	0.289
6/22/2017 10:16:22 AM	103.000	4.266	10.963	0.287
6/22/2017 10:16:23 AM	104.000	4.268	10.999	0.282
6/22/2017 10:16:24 AM	105.000	4.268	10.993	0.283

6/22/2017 10:16:25 AM	106.000	4.272	11.027	0.273
6/22/2017 10:16:26 AM	107.000	4.274	10.982	0.269
6/22/2017 10:16:27 AM	108.000	4.275	11.002	0.267
6/22/2017 10:16:28 AM	109.000	4.278	10.994	0.261
6/22/2017 10:16:29 AM	110.000	4.278	10.998	0.260
6/22/2017 10:16:30 AM	111.000	4.282	10.999	0.250
6/22/2017 10:16:31 AM	112.000	4.283	11.021	0.249
6/22/2017 10:16:32 AM	113.000	4.283	10.968	0.248
6/22/2017 10:16:33 AM	114.000	4.286	11.016	0.242
6/22/2017 10:16:34 AM	115.000	4.287	10.988	0.239
6/22/2017 10:16:35 AM	116.000	4.291	10.983	0.230
6/22/2017 10:16:36 AM	117.000	4.290	10.983	0.233
6/22/2017 10:16:37 AM	118.000	4.293	11.011	0.225
6/22/2017 10:16:38 AM	119.000	4.292	10.997	0.228
6/22/2017 10:16:39 AM	120.000	4.297	11.008	0.217
6/22/2017 10:16:40 AM	121.000	4.298	10.972	0.214
6/22/2017 10:16:41 AM	122.000	4.299	10.994	0.212
6/22/2017 10:16:42 AM	123.000	4.301	10.991	0.206
6/22/2017 10:16:43 AM	124.000	4.303	10.986	0.203
6/22/2017 10:16:44 AM	125.005	4.303	11.012	0.201
6/22/2017 10:16:45 AM	126.000	4.308	10.980	0.192
6/22/2017 10:16:46 AM	127.000	4.306	10.990	0.196
6/22/2017 10:16:47 AM	128.000	4.308	11.008	0.191
6/22/2017 10:16:48 AM	129.000	4.308	10.991	0.191
6/22/2017 10:16:49 AM	130.000	4.311	10.999	0.185
6/22/2017 10:16:50 AM	131.000	4.308	10.960	0.190
6/22/2017 10:16:51 AM	132.000	4.308	10.992	0.191
6/22/2017 10:16:52 AM	133.000	4.315	11.001	0.173
6/22/2017 10:16:53 AM	134.000	4.316	11.019	0.172
6/22/2017 10:16:54 AM	135.000	4.315	11.013	0.175
6/22/2017 10:16:55 AM	136.000	4.316	10.989	0.171
6/22/2017 10:16:56 AM	137.000	4.317	10.986	0.169
6/22/2017 10:16:57 AM	138.000	4.321	11.005	0.161
6/22/2017 10:16:58 AM	139.000	4.317	10.997	0.169
6/22/2017 10:16:59 AM	140.000	4.320	11.005	0.162
6/22/2017 10:17:00 AM	141.000	4.323	10.983	0.155
6/22/2017 10:17:01 AM	142.000	4.319	10.987	0.164
6/22/2017 10:17:02 AM	143.000	4.323	11.022	0.157
6/22/2017 10:17:03 AM	144.000	4.325	11.033	0.152
6/22/2017 10:17:04 AM	145.000	4.326	10.966	0.150
6/22/2017 10:17:05 AM	146.000	4.326	10.972	0.149
6/22/2017 10:17:06 AM	147.000	4.326	11.015	0.148
6/22/2017 10:17:07 AM	148.000	4.329	11.011	0.141
6/22/2017 10:17:08 AM	149.000	4.331	10.981	0.138
6/22/2017 10:17:09 AM	150.000	4.330	11.003	0.141
6/22/2017 10:17:10 AM	151.000	4.330	10.968	0.139
6/22/2017 10:17:11 AM	152.000	4.334	10.983	0.130
6/22/2017 10:17:12 AM	153.000	4.334	10.996	0.130
6/22/2017 10:17:13 AM	154.000	4.335	10.984	0.128
6/22/2017 10:17:14 AM	155.000	4.333	11.003	0.133
6/22/2017 10:17:15 AM	156.000	4.336	10.997	0.126
6/22/2017 10:17:16 AM	157.000	4.335	10.981	0.128
6/22/2017 10:17:17 AM	158.000	4.335	10.981	0.128
6/22/2017 10:17:18 AM	159.000	4.336	10.969	0.126
6/22/2017 10:17:19 AM	160.000	4.340	11.005	0.116
6/22/2017 10:17:20 AM	161.000	4.339	10.971	0.120
6/22/2017 10:17:21 AM	162.000	4.343	11.008	0.111
6/22/2017 10:17:22 AM	163.000	4.341	10.980	0.115
6/22/2017 10:17:23 AM	164.000	4.341	10.948	0.115
6/22/2017 10:17:24 AM	165.000	4.343	10.995	0.110
6/22/2017 10:17:25 AM	166.000	4.343	10.971	0.109
6/22/2017 10:17:26 AM	167.000	4.345	10.995	0.105
6/22/2017 10:17:27 AM	168.000	4.344	10.976	0.107

6/22/2017 10:17:28 AM	169.000	4.346	10.974	0.103
6/22/2017 10:17:29 AM	170.000	4.345	11.009	0.106
6/22/2017 10:17:30 AM	171.000	4.348	10.983	0.099
6/22/2017 10:17:31 AM	172.000	4.347	11.022	0.101
6/22/2017 10:17:32 AM	173.000	4.346	10.994	0.103
6/22/2017 10:17:33 AM	174.000	4.350	10.996	0.094
6/22/2017 10:17:34 AM	175.000	4.349	10.999	0.096
6/22/2017 10:17:35 AM	176.000	4.351	10.961	0.092
6/22/2017 10:17:36 AM	177.000	4.349	11.001	0.096
6/22/2017 10:17:37 AM	178.000	4.351	10.995	0.092
6/22/2017 10:17:38 AM	179.000	4.349	10.983	0.095
6/22/2017 10:17:39 AM	180.000	4.348	11.002	0.098
6/22/2017 10:17:40 AM	181.000	4.354	11.013	0.084
6/22/2017 10:17:41 AM	182.000	4.356	10.999	0.080
6/22/2017 10:17:42 AM	183.000	4.353	11.017	0.087
6/22/2017 10:17:43 AM	184.000	4.352	10.995	0.089
6/22/2017 10:17:44 AM	185.000	4.355	10.997	0.083
6/22/2017 10:17:45 AM	186.000	4.355	10.992	0.083
6/22/2017 10:17:46 AM	187.000	4.355	10.992	0.081
6/22/2017 10:17:47 AM	188.000	4.356	11.021	0.079
6/22/2017 10:17:48 AM	189.001	4.357	10.986	0.078
6/22/2017 10:17:49 AM	190.000	4.358	10.986	0.075
6/22/2017 10:17:50 AM	191.000	4.356	10.977	0.079
6/22/2017 10:17:51 AM	192.000	4.361	10.992	0.068
6/22/2017 10:17:52 AM	193.000	4.358	11.000	0.076
6/22/2017 10:17:53 AM	194.000	4.357	10.983	0.076
6/22/2017 10:17:54 AM	195.093	4.360	10.995	0.071
6/22/2017 10:17:55 AM	196.000	4.360	11.024	0.071
6/22/2017 10:17:56 AM	197.000	4.359	10.955	0.074
6/22/2017 10:17:57 AM	198.000	4.358	10.986	0.074
6/22/2017 10:17:58 AM	199.000	4.359	10.984	0.074
6/22/2017 10:17:59 AM	200.000	4.360	10.991	0.070
6/22/2017 10:18:00 AM	201.000	4.360	10.999	0.071
6/22/2017 10:18:01 AM	202.000	4.360	10.988	0.071
6/22/2017 10:18:02 AM	203.000	4.359	11.001	0.073
6/22/2017 10:18:03 AM	204.000	4.361	10.994	0.068
6/22/2017 10:18:04 AM	205.000	4.363	10.985	0.063
6/22/2017 10:18:05 AM	206.000	4.361	10.993	0.069
6/22/2017 10:18:06 AM	207.000	4.362	10.989	0.067
6/22/2017 10:18:07 AM	208.000	4.364	11.003	0.060
6/22/2017 10:18:08 AM	209.000	4.364	10.997	0.062
6/22/2017 10:18:09 AM	210.000	4.366	10.988	0.056
6/22/2017 10:18:10 AM	211.000	4.364	10.987	0.062
6/22/2017 10:18:11 AM	212.000	4.364	11.019	0.060
6/22/2017 10:18:12 AM	213.000	4.365	10.962	0.059
6/22/2017 10:18:13 AM	214.000	4.366	10.981	0.057
6/22/2017 10:18:14 AM	215.000	4.363	11.013	0.063
6/22/2017 10:18:15 AM	216.000	4.368	11.004	0.053
6/22/2017 10:18:16 AM	217.000	4.364	11.011	0.062
6/22/2017 10:18:17 AM	218.000	4.364	10.999	0.061
6/22/2017 10:18:18 AM	219.000	4.364	10.986	0.061
6/22/2017 10:18:19 AM	220.000	4.367	11.000	0.054
6/22/2017 10:18:20 AM	221.000	4.367	11.011	0.054
6/22/2017 10:18:21 AM	222.000	4.365	11.003	0.060
6/22/2017 10:18:22 AM	223.000	4.363	10.980	0.065
6/22/2017 10:18:23 AM	224.014	4.367	10.989	0.054
6/22/2017 10:18:24 AM	225.000	4.369	11.002	0.050
6/22/2017 10:18:25 AM	226.000	4.366	10.983	0.056
6/22/2017 10:18:26 AM	227.000	4.368	11.015	0.053
6/22/2017 10:18:27 AM	228.000	4.368	11.001	0.052
6/22/2017 10:18:28 AM	229.000	4.368	10.964	0.051
6/22/2017 10:18:29 AM	230.000	4.370	10.997	0.047
6/22/2017 10:18:30 AM	231.000	4.366	10.965	0.057

6/22/2017 10:18:31 AM	232.000	4.368	11.041	0.052
6/22/2017 10:18:32 AM	233.000	4.371	10.987	0.045
6/22/2017 10:18:33 AM	234.000	4.369	11.011	0.050
6/22/2017 10:18:34 AM	235.000	4.371	11.001	0.045
6/22/2017 10:18:35 AM	236.000	4.371	11.021	0.045
6/22/2017 10:18:36 AM	237.000	4.370	11.012	0.047
6/22/2017 10:18:37 AM	238.000	4.369	11.023	0.049
6/22/2017 10:18:38 AM	239.000	4.370	10.985	0.047
6/22/2017 10:18:39 AM	240.000	4.375	11.028	0.037
6/22/2017 10:18:40 AM	241.000	4.370	11.036	0.047
6/22/2017 10:18:41 AM	242.000	4.376	10.989	0.034
6/22/2017 10:18:42 AM	243.000	4.372	11.003	0.042
6/22/2017 10:18:43 AM	244.000	4.370	11.003	0.047
6/22/2017 10:18:44 AM	245.000	4.373	11.013	0.041
6/22/2017 10:18:45 AM	246.000	4.372	11.013	0.042
6/22/2017 10:18:46 AM	247.000	4.372	11.027	0.042
6/22/2017 10:18:47 AM	248.000	4.373	10.992	0.040
6/22/2017 10:18:48 AM	249.000	4.372	10.992	0.042
6/22/2017 10:18:49 AM	250.000	4.370	10.987	0.047
6/22/2017 10:18:50 AM	251.000	4.374	10.991	0.038
6/22/2017 10:18:51 AM	252.000	4.374	10.993	0.039
6/22/2017 10:18:52 AM	253.000	4.373	11.014	0.041
6/22/2017 10:18:53 AM	254.000	4.375	11.003	0.036
6/22/2017 10:18:54 AM	255.000	4.374	10.988	0.037
6/22/2017 10:18:55 AM	256.000	4.375	10.992	0.035
6/22/2017 10:18:56 AM	257.000	4.372	11.011	0.042
6/22/2017 10:18:57 AM	258.000	4.375	11.006	0.035
6/22/2017 10:18:58 AM	259.000	4.373	10.986	0.040
6/22/2017 10:18:59 AM	260.000	4.376	11.009	0.034
6/22/2017 10:19:00 AM	261.000	4.372	11.023	0.042
6/22/2017 10:19:01 AM	262.000	4.374	11.022	0.038
6/22/2017 10:19:02 AM	263.000	4.375	10.992	0.036
6/22/2017 10:19:03 AM	264.000	4.373	10.999	0.041
6/22/2017 10:19:04 AM	265.000	4.377	11.041	0.031
6/22/2017 10:19:05 AM	266.000	4.375	10.986	0.036
6/22/2017 10:19:06 AM	267.000	4.376	11.013	0.033
6/22/2017 10:19:07 AM	268.000	4.377	11.004	0.031
6/22/2017 10:19:08 AM	269.000	4.373	10.994	0.041
6/22/2017 10:19:09 AM	270.000	4.374	10.988	0.038
6/22/2017 10:19:10 AM	271.000	4.376	11.038	0.034
6/22/2017 10:19:11 AM	272.000	4.377	11.023	0.031
6/22/2017 10:19:12 AM	273.000	4.376	11.011	0.033
6/22/2017 10:19:13 AM	274.000	4.376	11.026	0.034
6/22/2017 10:19:14 AM	275.000	4.376	11.002	0.033
6/22/2017 10:19:15 AM	276.000	4.378	11.039	0.030
6/22/2017 10:19:16 AM	277.000	4.375	11.020	0.036
6/22/2017 10:19:17 AM	278.000	4.379	11.027	0.026
6/22/2017 10:19:18 AM	279.000	4.378	11.008	0.030
6/22/2017 10:19:19 AM	280.000	4.377	10.989	0.032
6/22/2017 10:19:20 AM	281.000	4.376	11.012	0.034
6/22/2017 10:19:21 AM	282.000	4.378	11.007	0.030
6/22/2017 10:19:22 AM	283.000	4.375	11.005	0.036
6/22/2017 10:19:23 AM	284.000	4.380	10.972	0.024
6/22/2017 10:19:24 AM	285.000	4.376	10.988	0.033
6/22/2017 10:19:25 AM	286.000	4.377	11.007	0.032
6/22/2017 10:19:26 AM	287.000	4.376	10.980	0.033
6/22/2017 10:19:27 AM	288.000	4.378	10.997	0.030
6/22/2017 10:19:28 AM	289.000	4.377	11.002	0.031
6/22/2017 10:19:29 AM	290.000	4.379	10.997	0.026
6/22/2017 10:19:30 AM	291.000	4.376	11.030	0.034
6/22/2017 10:19:31 AM	292.000	4.380	11.017	0.024
6/22/2017 10:19:32 AM	293.000	4.379	10.995	0.026
6/22/2017 10:19:33 AM	294.000	4.377	11.024	0.032

6/22/2017 10:19:34 AM	295.000	4.380	11.010	0.024
6/22/2017 10:19:35 AM	296.000	4.380	11.027	0.025
6/22/2017 10:19:36 AM	297.000	4.378	11.030	0.029
6/22/2017 10:19:37 AM	298.000	4.378	11.019	0.029
6/22/2017 10:19:38 AM	299.000	4.380	10.997	0.025
6/22/2017 10:19:39 AM	300.000	4.379	11.027	0.026
6/22/2017 10:20:39 AM	360.001	4.380	10.990	0.024
6/22/2017 10:21:39 AM	420.001	4.382	10.989	0.021
6/22/2017 10:22:39 AM	480.001	4.387	11.007	0.007
6/22/2017 10:23:39 AM	540.001	4.382	11.006	0.019
6/22/2017 10:24:39 AM	600.001	4.380	11.013	0.024
6/22/2017 10:25:39 AM	660.001	4.382	11.010	0.020
6/22/2017 10:26:39 AM	720.001	4.382	10.997	0.019
6/22/2017 10:27:39 AM	780.001	4.384	11.005	0.016
6/22/2017 10:28:39 AM	840.001	4.385	10.999	0.013
6/22/2017 10:29:39 AM	900.001	4.382	10.989	0.020
6/22/2017 10:30:39 AM	960.001	4.383	10.996	0.017
6/22/2017 10:31:39 AM	1020.001	4.383	11.000	0.018
6/22/2017 10:32:39 AM	1080.001	4.384	10.980	0.015
6/22/2017 10:33:39 AM	1140.001	4.382	10.978	0.021
6/22/2017 10:34:39 AM	1200.001	4.383	10.960	0.018
6/22/2017 10:35:39 AM	1260.001	4.381	10.968	0.022
6/22/2017 10:36:39 AM	1320.001	4.384	10.969	0.016
6/22/2017 10:37:39 AM	1380.001	4.385	10.955	0.012
6/22/2017 10:38:39 AM	1440.001	4.383	10.937	0.017
6/22/2017 10:39:39 AM	1500.001	4.383	10.963	0.017
6/22/2017 10:40:39 AM	1560.001	4.383	10.946	0.018
6/22/2017 10:41:39 AM	1620.001	4.383	10.936	0.018
6/22/2017 10:42:39 AM	1680.001	4.383	10.963	0.018
6/22/2017 10:43:39 AM	1740.001	4.381	10.977	0.022
6/22/2017 10:44:39 AM	1800.001	4.382	10.952	0.020
6/22/2017 10:45:39 AM	1860.001	4.384	10.941	0.015
6/22/2017 10:46:39 AM	1920.001	4.381	10.945	0.023
6/22/2017 10:47:39 AM	1980.001	4.383	10.934	0.016
6/22/2017 10:48:39 AM	2040.001	4.381	10.952	0.022
6/22/2017 10:49:39 AM	2100.001	4.382	10.930	0.019
6/22/2017 10:50:39 AM	2160.001	4.383	10.943	0.017
6/22/2017 10:51:39 AM	2220.001	4.381	10.947	0.021
6/22/2017 10:52:39 AM	2280.001	4.381	10.922	0.022
6/22/2017 10:53:39 AM	2340.001	4.381	10.951	0.022

Report Date: 7/10/2017 10:07:55 AM
Report User Name: dalmond
Report Computer Name: PINEWRKMA25-PC
Application: WinSitu.exe
Application Version: 5.6.25.0

Log File Properties:
File Name: MW-CH016 RH2_2017-07-10_10-07-48-169.wsl
Create Date: 7/10/2017 9:54:32 AM

Device Properties:
Device: Level TROLL 700
Site: Camp Hero
Device Name: Level Troll 700
Serial Number: 402202
Firmware Version: 3.02
Hardware Version: 4
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 6
Used Battery(%): 12

Log Configuration
Log Name: MW-CH016 RH2
Created By: Unknown
Computer Name: Pocket PC
Application: WinSituMobile.exe
Application Version: 5.6.0.10
Create Date: 3/4/2006 6:07:47 AM Eastern Standard Time
Log Setup Time Zone: Eastern Standard Time
Notes Size(bytes): 4096
Overwrite when full: Disabled
Scheduled Start Time: Manual Start
Scheduled Stop Time: No Stop Time
Type: Step Test
Steps: 2 (Linear)
Step: 1
Duration: Days: 0 hrs: 00 mins: 05 secs: 00
Interval: Days: 0 hrs: 00 mins: 00 secs: 01
Step: 2
Duration: Days: 0 hrs: 04 mins: 00 secs: 00
Interval: Days: 0 hrs: 00 mins: 01 secs: 00

Level Reference Settings At Log Creation
Level Measurement Mode: Level Depth To Water
Specific Gravity: 0.999
Level Reference Mode: Set new reference
Level Reference Value: 0 (ft)
Level Reference Head Pressure: 4.38627 (PSI)

Other Log Settings
Pressure Offset: 0.00335646 (PSI)
Depth of Probe: 10.1236 (ft)
Head Pressure: 4.38446 (PSI)
Temperature: 11.0554 (C)

Log Notes:

Date and Time	Note
6/22/2017 11:48:33 AM	Used Battery: 12% Used Memory: 7% User Name: Unknown
6/22/2017 11:48:41 AM	Manual Start Command
6/22/2017 11:49:07 AM	Log Download - Used Battery: 12% Used Memory: 7% User Name: Unknown
6/22/2017 12:13:19 PM	Used Battery: 12% Used Memory: 7% User Name: Unknown
6/22/2017 12:13:19 PM	Manual Stop Command

Log Data:
Record Count: 320
Sensors: 1
1 - 402202: Pressure/Temp 30 PSIG (21m/69ft)
Time Zone: Eastern Daylight Time

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 69ft SN#: 402202 Pressure (PSI)	Sensor: Pres(G) 69ft SN#: 402202 Temperature (C)	Sensor: Pres(G) 69ft SN#: 402202 Level Depth To Water (ft)
6/22/2017 11:48:41 AM	0.000	4.385	11.093	0.003
6/22/2017 11:48:42 AM	1.000	4.386	11.068	0.002
6/22/2017 11:48:43 AM	2.000	3.997	11.092	0.898
6/22/2017 11:48:44 AM	3.000	3.548	11.068	1.936
6/22/2017 11:48:45 AM	4.000	3.597	11.087	1.823
6/22/2017 11:48:46 AM	5.000	3.628	11.057	1.750
6/22/2017 11:48:47 AM	6.000	3.660	11.064	1.677
6/22/2017 11:48:48 AM	7.000	3.687	11.066	1.614
6/22/2017 11:48:49 AM	8.000	3.714	11.091	1.553
6/22/2017 11:48:50 AM	9.000	3.739	11.094	1.494
6/22/2017 11:48:51 AM	10.000	3.761	11.080	1.445
6/22/2017 11:48:52 AM	11.000	3.786	11.074	1.387
6/22/2017 11:48:53 AM	12.000	3.801	11.049	1.351
6/22/2017 11:48:54 AM	13.000	3.818	11.077	1.312
6/22/2017 11:48:55 AM	14.000	3.828	11.111	1.289
6/22/2017 11:48:56 AM	15.000	3.837	11.070	1.268
6/22/2017 11:48:57 AM	16.000	3.852	11.085	1.234
6/22/2017 11:48:58 AM	17.000	3.859	11.074	1.216
6/22/2017 11:48:59 AM	18.000	3.870	11.075	1.192
6/22/2017 11:49:00 AM	19.000	3.883	11.069	1.163
6/22/2017 11:49:01 AM	20.000	3.890	11.110	1.145
6/22/2017 11:49:02 AM	21.000	3.902	11.077	1.117
6/22/2017 11:49:03 AM	22.000	3.912	11.063	1.095
6/22/2017 11:49:04 AM	23.000	3.922	11.077	1.072
6/22/2017 11:49:05 AM	24.000	3.932	11.090	1.048
6/22/2017 11:49:06 AM	25.000	3.938	11.074	1.036
6/22/2017 11:49:07 AM	26.000	3.951	11.073	1.006
6/22/2017 11:49:08 AM	27.000	3.959	11.082	0.987
6/22/2017 11:49:09 AM	28.000	3.966	11.086	0.971
6/22/2017 11:49:10 AM	29.000	3.973	11.078	0.954
6/22/2017 11:49:11 AM	30.000	3.982	11.080	0.933
6/22/2017 11:49:12 AM	31.000	3.991	11.066	0.914
6/22/2017 11:49:13 AM	32.000	3.997	11.087	0.899
6/22/2017 11:49:14 AM	33.000	4.005	11.072	0.880
6/22/2017 11:49:15 AM	34.000	4.011	11.071	0.865
6/22/2017 11:49:16 AM	35.000	4.022	11.091	0.842
6/22/2017 11:49:17 AM	36.000	4.026	11.090	0.833
6/22/2017 11:49:18 AM	37.000	4.032	11.105	0.819
6/22/2017 11:49:19 AM	38.000	4.037	11.065	0.806
6/22/2017 11:49:20 AM	39.000	4.046	11.065	0.786
6/22/2017 11:49:21 AM	40.000	4.053	11.099	0.769
6/22/2017 11:49:22 AM	41.000	4.061	11.080	0.751

6/22/2017 11:49:23 AM	42.000	4.063	11.082	0.746
6/22/2017 11:49:24 AM	43.000	4.071	11.085	0.728
6/22/2017 11:49:25 AM	44.000	4.076	11.069	0.717
6/22/2017 11:49:26 AM	45.000	4.082	11.084	0.703
6/22/2017 11:49:27 AM	46.000	4.087	11.059	0.692
6/22/2017 11:49:28 AM	47.000	4.092	11.077	0.680
6/22/2017 11:49:29 AM	48.000	4.098	11.095	0.666
6/22/2017 11:49:30 AM	49.000	4.107	11.095	0.644
6/22/2017 11:49:31 AM	50.000	4.108	11.097	0.642
6/22/2017 11:49:32 AM	51.000	4.115	11.091	0.626
6/22/2017 11:49:33 AM	52.000	4.120	11.079	0.616
6/22/2017 11:49:34 AM	53.000	4.124	11.053	0.605
6/22/2017 11:49:35 AM	54.000	4.130	11.052	0.593
6/22/2017 11:49:36 AM	55.000	4.134	11.089	0.582
6/22/2017 11:49:37 AM	56.000	4.138	11.060	0.573
6/22/2017 11:49:38 AM	57.000	4.144	11.097	0.559
6/22/2017 11:49:39 AM	58.000	4.148	11.056	0.550
6/22/2017 11:49:40 AM	59.000	4.151	11.091	0.543
6/22/2017 11:49:41 AM	60.000	4.154	11.078	0.536
6/22/2017 11:49:42 AM	61.000	4.159	11.089	0.524
6/22/2017 11:49:43 AM	62.000	4.164	11.082	0.512
6/22/2017 11:49:44 AM	63.000	4.168	11.091	0.505
6/22/2017 11:49:45 AM	64.000	4.172	11.097	0.495
6/22/2017 11:49:46 AM	65.000	4.175	11.055	0.489
6/22/2017 11:49:47 AM	66.000	4.180	11.057	0.476
6/22/2017 11:49:48 AM	67.000	4.183	11.073	0.470
6/22/2017 11:49:49 AM	68.000	4.184	11.080	0.466
6/22/2017 11:49:50 AM	69.000	4.191	11.096	0.451
6/22/2017 11:49:51 AM	70.000	4.194	11.102	0.443
6/22/2017 11:49:52 AM	71.000	4.198	11.057	0.435
6/22/2017 11:49:53 AM	72.000	4.200	11.082	0.430
6/22/2017 11:49:54 AM	73.000	4.205	11.079	0.418
6/22/2017 11:49:55 AM	74.000	4.205	11.082	0.420
6/22/2017 11:49:56 AM	75.000	4.208	11.077	0.411
6/22/2017 11:49:57 AM	76.000	4.211	11.088	0.405
6/22/2017 11:49:58 AM	77.000	4.217	11.088	0.392
6/22/2017 11:49:59 AM	78.000	4.219	11.083	0.387
6/22/2017 11:50:00 AM	79.000	4.223	11.115	0.376
6/22/2017 11:50:01 AM	80.000	4.225	11.083	0.372
6/22/2017 11:50:02 AM	81.000	4.227	11.061	0.367
6/22/2017 11:50:03 AM	82.000	4.230	11.063	0.361
6/22/2017 11:50:04 AM	83.000	4.229	11.090	0.363
6/22/2017 11:50:05 AM	84.000	4.236	11.094	0.346
6/22/2017 11:50:06 AM	85.000	4.238	11.073	0.342
6/22/2017 11:50:07 AM	86.000	4.241	11.082	0.335
6/22/2017 11:50:08 AM	87.000	4.240	11.073	0.337
6/22/2017 11:50:09 AM	88.000	4.243	11.088	0.330
6/22/2017 11:50:10 AM	89.000	4.247	11.073	0.321
6/22/2017 11:50:11 AM	90.000	4.250	11.085	0.315
6/22/2017 11:50:12 AM	91.000	4.246	11.051	0.325
6/22/2017 11:50:13 AM	92.000	4.247	11.107	0.321
6/22/2017 11:50:14 AM	93.000	4.246	11.057	0.324
6/22/2017 11:50:15 AM	94.000	4.249	11.058	0.317
6/22/2017 11:50:16 AM	95.000	4.250	11.066	0.314
6/22/2017 11:50:17 AM	96.000	4.252	11.102	0.310
6/22/2017 11:50:18 AM	97.000	4.249	11.074	0.318
6/22/2017 11:50:19 AM	98.000	4.254	11.083	0.306
6/22/2017 11:50:20 AM	99.000	4.252	11.092	0.310
6/22/2017 11:50:21 AM	100.000	4.257	11.096	0.299
6/22/2017 11:50:22 AM	101.000	4.254	11.085	0.306
6/22/2017 11:50:23 AM	102.000	4.253	11.075	0.308
6/22/2017 11:50:24 AM	103.000	4.260	11.077	0.291
6/22/2017 11:50:25 AM	104.000	4.260	11.109	0.292

6/22/2017 11:50:26 AM	105.000	4.259	11.093	0.294
6/22/2017 11:50:27 AM	106.000	4.262	11.063	0.286
6/22/2017 11:50:28 AM	107.000	4.260	11.086	0.292
6/22/2017 11:50:29 AM	108.000	4.264	11.075	0.281
6/22/2017 11:50:30 AM	109.000	4.261	11.072	0.288
6/22/2017 11:50:31 AM	110.000	4.264	11.049	0.283
6/22/2017 11:50:32 AM	111.000	4.264	11.081	0.282
6/22/2017 11:50:33 AM	112.000	4.264	11.091	0.282
6/22/2017 11:50:34 AM	113.000	4.267	11.102	0.276
6/22/2017 11:50:35 AM	114.000	4.269	11.063	0.271
6/22/2017 11:50:36 AM	115.000	4.269	11.079	0.270
6/22/2017 11:50:37 AM	116.000	4.268	11.049	0.272
6/22/2017 11:50:38 AM	117.000	4.270	11.084	0.268
6/22/2017 11:50:39 AM	118.000	4.272	11.078	0.263
6/22/2017 11:50:40 AM	119.000	4.275	11.083	0.257
6/22/2017 11:50:41 AM	120.000	4.274	11.114	0.259
6/22/2017 11:50:42 AM	121.000	4.277	11.083	0.252
6/22/2017 11:50:43 AM	122.000	4.274	11.108	0.259
6/22/2017 11:50:44 AM	123.000	4.277	11.092	0.252
6/22/2017 11:50:45 AM	124.000	4.279	11.071	0.247
6/22/2017 11:50:46 AM	125.000	4.281	11.086	0.243
6/22/2017 11:50:47 AM	126.000	4.281	11.097	0.244
6/22/2017 11:50:48 AM	127.000	4.282	11.068	0.241
6/22/2017 11:50:49 AM	128.000	4.284	11.086	0.236
6/22/2017 11:50:50 AM	129.000	4.286	11.088	0.231
6/22/2017 11:50:51 AM	130.000	4.286	11.094	0.232
6/22/2017 11:50:52 AM	131.000	4.287	11.063	0.228
6/22/2017 11:50:53 AM	132.000	4.285	11.097	0.234
6/22/2017 11:50:54 AM	133.000	4.293	11.083	0.216
6/22/2017 11:50:55 AM	134.000	4.288	11.104	0.226
6/22/2017 11:50:56 AM	135.000	4.291	11.052	0.220
6/22/2017 11:50:57 AM	136.000	4.292	11.082	0.218
6/22/2017 11:50:58 AM	137.000	4.292	11.050	0.218
6/22/2017 11:50:59 AM	138.000	4.293	11.093	0.215
6/22/2017 11:51:00 AM	139.000	4.292	11.040	0.219
6/22/2017 11:51:01 AM	140.000	4.294	11.061	0.213
6/22/2017 11:51:02 AM	141.000	4.292	11.074	0.219
6/22/2017 11:51:03 AM	142.000	4.293	11.092	0.214
6/22/2017 11:51:04 AM	143.000	4.295	11.094	0.212
6/22/2017 11:51:05 AM	144.000	4.296	11.063	0.208
6/22/2017 11:51:06 AM	145.000	4.296	11.095	0.208
6/22/2017 11:51:07 AM	146.000	4.299	11.093	0.202
6/22/2017 11:51:08 AM	147.000	4.297	11.057	0.206
6/22/2017 11:51:09 AM	148.000	4.299	11.052	0.203
6/22/2017 11:51:10 AM	149.000	4.298	11.069	0.203
6/22/2017 11:51:11 AM	150.000	4.300	11.083	0.200
6/22/2017 11:51:12 AM	151.000	4.300	11.083	0.200
6/22/2017 11:51:13 AM	152.000	4.305	11.064	0.189
6/22/2017 11:51:14 AM	153.000	4.301	11.072	0.196
6/22/2017 11:51:15 AM	154.000	4.305	11.094	0.187
6/22/2017 11:51:16 AM	155.000	4.308	11.078	0.181
6/22/2017 11:51:17 AM	156.000	4.308	11.083	0.181
6/22/2017 11:51:18 AM	157.000	4.308	11.078	0.181
6/22/2017 11:51:19 AM	158.000	4.307	11.093	0.182
6/22/2017 11:51:20 AM	159.000	4.311	11.089	0.174
6/22/2017 11:51:21 AM	160.000	4.309	11.067	0.179
6/22/2017 11:51:22 AM	161.000	4.311	11.076	0.175
6/22/2017 11:51:23 AM	162.000	4.311	11.035	0.173
6/22/2017 11:51:24 AM	163.000	4.311	11.033	0.174
6/22/2017 11:51:25 AM	164.000	4.313	11.049	0.168
6/22/2017 11:51:26 AM	165.000	4.316	11.074	0.161
6/22/2017 11:51:27 AM	166.000	4.315	11.091	0.164
6/22/2017 11:51:28 AM	167.000	4.319	11.085	0.155

6/22/2017 11:51:29 AM	168.000	4.319	11.077	0.155
6/22/2017 11:51:30 AM	169.000	4.322	11.090	0.149
6/22/2017 11:51:31 AM	170.000	4.322	11.079	0.148
6/22/2017 11:51:32 AM	171.000	4.322	11.083	0.149
6/22/2017 11:51:33 AM	172.000	4.326	11.072	0.138
6/22/2017 11:51:34 AM	173.000	4.328	11.090	0.135
6/22/2017 11:51:35 AM	174.000	4.324	11.086	0.144
6/22/2017 11:51:36 AM	175.000	4.327	11.065	0.136
6/22/2017 11:51:37 AM	176.000	4.327	11.070	0.137
6/22/2017 11:51:38 AM	177.000	4.329	11.057	0.133
6/22/2017 11:51:39 AM	178.000	4.329	11.083	0.132
6/22/2017 11:51:40 AM	179.000	4.332	11.068	0.126
6/22/2017 11:51:41 AM	180.000	4.332	11.066	0.126
6/22/2017 11:51:42 AM	181.000	4.332	11.091	0.125
6/22/2017 11:51:43 AM	182.000	4.333	11.048	0.123
6/22/2017 11:51:44 AM	183.000	4.336	11.071	0.116
6/22/2017 11:51:45 AM	184.000	4.332	11.107	0.125
6/22/2017 11:51:46 AM	185.000	4.337	11.079	0.114
6/22/2017 11:51:47 AM	186.000	4.338	11.069	0.112
6/22/2017 11:51:48 AM	187.000	4.334	11.079	0.120
6/22/2017 11:51:49 AM	188.000	4.338	11.103	0.111
6/22/2017 11:51:50 AM	189.000	4.338	11.077	0.112
6/22/2017 11:51:51 AM	190.000	4.339	11.064	0.110
6/22/2017 11:51:52 AM	191.000	4.342	11.081	0.102
6/22/2017 11:51:53 AM	192.000	4.340	11.074	0.107
6/22/2017 11:51:54 AM	193.000	4.341	11.086	0.105
6/22/2017 11:51:55 AM	194.000	4.344	11.083	0.097
6/22/2017 11:51:56 AM	195.000	4.345	11.111	0.095
6/22/2017 11:51:57 AM	196.000	4.344	11.071	0.097
6/22/2017 11:51:58 AM	197.000	4.342	11.071	0.103
6/22/2017 11:51:59 AM	198.000	4.346	11.104	0.093
6/22/2017 11:52:00 AM	199.000	4.344	11.097	0.098
6/22/2017 11:52:01 AM	200.000	4.346	11.101	0.094
6/22/2017 11:52:02 AM	201.000	4.346	11.049	0.092
6/22/2017 11:52:03 AM	202.000	4.347	11.086	0.090
6/22/2017 11:52:04 AM	203.000	4.347	11.107	0.091
6/22/2017 11:52:05 AM	204.000	4.350	11.062	0.084
6/22/2017 11:52:06 AM	205.000	4.349	11.093	0.086
6/22/2017 11:52:07 AM	206.000	4.348	11.066	0.089
6/22/2017 11:52:08 AM	207.000	4.350	11.074	0.085
6/22/2017 11:52:09 AM	208.000	4.352	11.107	0.078
6/22/2017 11:52:10 AM	209.000	4.352	11.056	0.080
6/22/2017 11:52:11 AM	210.000	4.352	11.064	0.079
6/22/2017 11:52:12 AM	211.000	4.349	11.100	0.086
6/22/2017 11:52:13 AM	212.000	4.353	11.068	0.077
6/22/2017 11:52:14 AM	213.000	4.352	11.081	0.079
6/22/2017 11:52:15 AM	214.000	4.353	11.111	0.077
6/22/2017 11:52:16 AM	215.000	4.354	11.072	0.074
6/22/2017 11:52:17 AM	216.000	4.354	11.088	0.075
6/22/2017 11:52:18 AM	217.000	4.356	11.078	0.071
6/22/2017 11:52:19 AM	218.000	4.354	11.074	0.074
6/22/2017 11:52:20 AM	219.000	4.355	11.059	0.072
6/22/2017 11:52:21 AM	220.000	4.358	11.077	0.065
6/22/2017 11:52:22 AM	221.000	4.357	11.108	0.067
6/22/2017 11:52:23 AM	222.000	4.359	11.077	0.062
6/22/2017 11:52:24 AM	223.000	4.357	11.077	0.068
6/22/2017 11:52:25 AM	224.000	4.356	11.076	0.069
6/22/2017 11:52:26 AM	225.000	4.359	11.042	0.062
6/22/2017 11:52:27 AM	226.000	4.357	11.066	0.068
6/22/2017 11:52:28 AM	227.000	4.362	11.084	0.057
6/22/2017 11:52:29 AM	228.000	4.358	11.041	0.065
6/22/2017 11:52:30 AM	229.000	4.361	11.099	0.058
6/22/2017 11:52:31 AM	230.000	4.360	11.073	0.060

6/22/2017 11:52:32 AM	231.000	4.361	11.077	0.057
6/22/2017 11:52:33 AM	232.000	4.359	11.072	0.063
6/22/2017 11:52:34 AM	233.000	4.363	11.086	0.053
6/22/2017 11:52:35 AM	234.000	4.360	11.088	0.060
6/22/2017 11:52:36 AM	235.000	4.362	11.073	0.056
6/22/2017 11:52:37 AM	236.000	4.362	11.066	0.056
6/22/2017 11:52:38 AM	237.000	4.365	11.112	0.049
6/22/2017 11:52:39 AM	238.000	4.363	11.059	0.053
6/22/2017 11:52:40 AM	239.000	4.365	11.058	0.049
6/22/2017 11:52:41 AM	240.000	4.362	11.082	0.057
6/22/2017 11:52:42 AM	241.000	4.365	11.056	0.049
6/22/2017 11:52:43 AM	242.000	4.366	11.055	0.047
6/22/2017 11:52:44 AM	243.000	4.365	11.087	0.050
6/22/2017 11:52:45 AM	244.000	4.364	11.084	0.050
6/22/2017 11:52:46 AM	245.000	4.364	11.066	0.051
6/22/2017 11:52:47 AM	246.000	4.363	11.081	0.054
6/22/2017 11:52:48 AM	247.000	4.368	11.111	0.041
6/22/2017 11:52:49 AM	248.000	4.365	11.092	0.050
6/22/2017 11:52:50 AM	249.000	4.363	11.059	0.053
6/22/2017 11:52:51 AM	250.000	4.366	11.082	0.048
6/22/2017 11:52:52 AM	251.000	4.363	11.083	0.053
6/22/2017 11:52:53 AM	252.000	4.367	11.099	0.045
6/22/2017 11:52:54 AM	253.000	4.369	11.096	0.041
6/22/2017 11:52:55 AM	254.000	4.364	11.087	0.051
6/22/2017 11:52:56 AM	255.000	4.367	11.072	0.044
6/22/2017 11:52:57 AM	256.000	4.366	11.064	0.046
6/22/2017 11:52:58 AM	257.000	4.367	11.084	0.044
6/22/2017 11:52:59 AM	258.000	4.367	11.084	0.045
6/22/2017 11:53:00 AM	259.000	4.367	11.071	0.044
6/22/2017 11:53:01 AM	260.000	4.368	11.077	0.042
6/22/2017 11:53:02 AM	261.000	4.369	11.069	0.041
6/22/2017 11:53:03 AM	262.000	4.369	11.066	0.041
6/22/2017 11:53:04 AM	263.000	4.366	11.099	0.047
6/22/2017 11:53:05 AM	264.000	4.372	11.053	0.032
6/22/2017 11:53:06 AM	265.000	4.368	11.111	0.041
6/22/2017 11:53:07 AM	266.000	4.370	11.069	0.037
6/22/2017 11:53:08 AM	267.000	4.370	11.052	0.038
6/22/2017 11:53:09 AM	268.000	4.365	11.099	0.049
6/22/2017 11:53:10 AM	269.000	4.370	11.111	0.038
6/22/2017 11:53:11 AM	270.000	4.371	11.072	0.035
6/22/2017 11:53:12 AM	271.000	4.374	11.086	0.027
6/22/2017 11:53:13 AM	272.000	4.369	11.031	0.039
6/22/2017 11:53:14 AM	273.000	4.371	11.070	0.035
6/22/2017 11:53:15 AM	274.000	4.372	11.068	0.032
6/22/2017 11:53:16 AM	275.000	4.371	11.077	0.036
6/22/2017 11:53:17 AM	276.000	4.369	11.073	0.039
6/22/2017 11:53:18 AM	277.000	4.374	11.068	0.029
6/22/2017 11:53:19 AM	278.000	4.372	11.105	0.032
6/22/2017 11:53:20 AM	279.000	4.368	11.088	0.042
6/22/2017 11:53:21 AM	280.000	4.370	11.084	0.036
6/22/2017 11:53:22 AM	281.000	4.373	11.053	0.031
6/22/2017 11:53:23 AM	282.000	4.372	11.102	0.032
6/22/2017 11:53:24 AM	283.000	4.372	11.089	0.033
6/22/2017 11:53:25 AM	284.000	4.374	11.074	0.029
6/22/2017 11:53:26 AM	285.000	4.370	11.042	0.037
6/22/2017 11:53:27 AM	286.000	4.374	11.093	0.029
6/22/2017 11:53:28 AM	287.000	4.374	11.086	0.027
6/22/2017 11:53:29 AM	288.000	4.374	11.086	0.029
6/22/2017 11:53:30 AM	289.000	4.374	11.069	0.029
6/22/2017 11:53:31 AM	290.000	4.373	11.041	0.031
6/22/2017 11:53:32 AM	291.000	4.372	11.091	0.034
6/22/2017 11:53:33 AM	292.000	4.376	11.082	0.023
6/22/2017 11:53:34 AM	293.000	4.372	11.099	0.032

6/22/2017 11:53:35 AM	294.000	4.376	11.058	0.023
6/22/2017 11:53:36 AM	295.000	4.375	11.094	0.026
6/22/2017 11:53:37 AM	296.000	4.373	11.070	0.031
6/22/2017 11:53:38 AM	297.000	4.373	11.068	0.031
6/22/2017 11:53:39 AM	298.000	4.378	11.031	0.020
6/22/2017 11:53:40 AM	299.000	4.375	11.068	0.026
6/22/2017 11:53:41 AM	300.000	4.373	11.063	0.031
6/22/2017 11:54:41 AM	360.001	4.380	11.084	0.014
6/22/2017 11:55:41 AM	420.001	4.381	11.039	0.011
6/22/2017 11:56:41 AM	480.001	4.383	11.041	0.008
6/22/2017 11:57:41 AM	540.001	4.382	11.015	0.009
6/22/2017 11:58:41 AM	600.001	4.383	11.024	0.007
6/22/2017 11:59:41 AM	660.001	4.385	11.019	0.004
6/22/2017 12:00:41 PM	720.001	4.384	11.025	0.006
6/22/2017 12:01:41 PM	780.001	4.386	11.000	0.001
6/22/2017 12:02:41 PM	840.001	4.387	10.998	-0.002
6/22/2017 12:03:41 PM	900.001	4.386	11.008	0.000
6/22/2017 12:04:41 PM	960.001	4.386	10.999	0.001
6/22/2017 12:05:41 PM	1020.001	4.386	10.989	0.001
6/22/2017 12:06:41 PM	1080.001	4.389	10.979	-0.006
6/22/2017 12:07:41 PM	1140.001	4.390	10.999	-0.008
6/22/2017 12:08:41 PM	1200.001	4.387	10.975	-0.001
6/22/2017 12:09:41 PM	1260.001	4.387	10.968	-0.002
6/22/2017 12:10:41 PM	1320.001	4.391	10.958	-0.012
6/22/2017 12:11:41 PM	1380.001	4.388	10.964	-0.005
6/22/2017 12:12:41 PM	1440.001	4.390	10.962	-0.008

Report Date: 7/10/2017 9:53:46 AM
Report User Name: dalmond
Report Computer Name: PINEWRKMA25-PC
Application: WinSitu.exe
Application Version: 5.6.25.0

Log File Properties:
File Name: CH-MW016 RH3_2017-07-10_09-53-41-768.wsl
Create Date: 7/10/2017 9:48:46 AM

Device Properties:
Device: Level TROLL 700
Site: Camp Hero
Device Name: Level Troll 700
Serial Number: 402202
Firmware Version: 3.02
Hardware Version: 4
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 9
Used Battery(%): 12

Log Configuration
Log Name: CH-MW016 RH3
Created By: Unknown
Computer Name: Pocket PC
Application: WinSituMobile.exe
Application Version: 5.6.0.10
Create Date: 3/4/2006 7:02:40 AM Eastern Standard Time
Log Setup Time Zone: Eastern Standard Time
Notes Size(bytes): 4096
Overwrite when full: Disabled
Scheduled Start Time: Manual Start
Scheduled Stop Time: No Stop Time
Type: Step Test
Steps: 2 (Linear)
Step: 1
Duration: Days: 0 hrs: 00 mins: 05 secs: 00
Interval: Days: 0 hrs: 00 mins: 00 secs: 01
Step: 2
Duration: Days: 0 hrs: 04 mins: 00 secs: 00
Interval: Days: 0 hrs: 00 mins: 01 secs: 00

Level Reference Settings At Log Creation
Level Measurement Mode: Level Depth To Water
Specific Gravity: 0.999
Level Reference Mode: Set new reference
Level Reference Value: 0 (ft)
Level Reference Head Pressure: 4.38325 (PSI)

Other Log Settings
Pressure Offset: 0.00335646 (PSI)
Depth of Probe: 10.1273 (ft)
Head Pressure: 4.38606 (PSI)
Temperature: 11.0811 (C)

Log Notes:

Date and Time	Note
6/22/2017 12:43:26 PM	Used Battery: 12% Used Memory: 10% User Name: Unknown
6/22/2017 12:43:31 PM	Manual Start Command
6/22/2017 12:43:51 PM	Log Download - Used Battery: 12% Used Memory: 10% User Name: Unknown
6/22/2017 1:19:21 PM	Used Battery: 12% Used Memory: 10% User Name: Unknown
6/22/2017 1:19:21 PM	Manual Stop Command

Log Data:
Record Count: 331
Sensors: 1
1 - 402202: Pressure/Temp 30 PSIG (21m/69ft)
Time Zone: Eastern Daylight Time

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 69ft SN#: 402202 Pressure (PSI)	Sensor: Pres(G) 69ft SN#: 402202 Temperature (C)	Sensor: Pres(G) 69ft SN#: 402202 Level Depth To Water (ft)
6/22/2017 12:43:31 PM	0.000	4.386	11.111	-0.007
6/22/2017 12:43:32 PM	1.000	4.386	11.074	-0.005
6/22/2017 12:43:33 PM	2.000	4.383	11.072	0.002
6/22/2017 12:43:34 PM	3.000	3.689	11.090	1.602
6/22/2017 12:43:35 PM	4.000	3.480	11.091	2.085
6/22/2017 12:43:36 PM	5.000	3.577	11.078	1.862
6/22/2017 12:43:37 PM	6.000	3.613	11.060	1.779
6/22/2017 12:43:38 PM	7.000	3.641	11.082	1.715
6/22/2017 12:43:39 PM	8.000	3.673	11.070	1.639
6/22/2017 12:43:40 PM	9.000	3.692	11.056	1.596
6/22/2017 12:43:41 PM	10.000	3.724	11.069	1.521
6/22/2017 12:43:42 PM	11.000	3.749	11.083	1.464
6/22/2017 12:43:43 PM	12.000	3.769	11.110	1.418
6/22/2017 12:43:44 PM	13.000	3.790	11.086	1.370
6/22/2017 12:43:45 PM	14.000	3.808	11.087	1.329
6/22/2017 12:43:46 PM	15.000	3.820	11.077	1.301
6/22/2017 12:43:47 PM	16.000	3.831	11.092	1.274
6/22/2017 12:43:48 PM	17.000	3.845	11.092	1.243
6/22/2017 12:43:49 PM	18.000	3.854	11.094	1.222
6/22/2017 12:43:50 PM	19.000	3.863	11.089	1.202
6/22/2017 12:43:51 PM	20.000	3.878	11.111	1.168
6/22/2017 12:43:52 PM	21.000	3.889	11.098	1.142
6/22/2017 12:43:53 PM	22.112	3.898	11.091	1.119
6/22/2017 12:43:54 PM	23.000	3.909	11.151	1.095
6/22/2017 12:43:55 PM	24.000	3.917	11.094	1.077
6/22/2017 12:43:56 PM	25.000	3.924	11.102	1.060
6/22/2017 12:43:57 PM	26.000	3.936	11.083	1.034
6/22/2017 12:43:58 PM	27.000	3.942	11.095	1.018
6/22/2017 12:43:59 PM	28.000	3.953	11.092	0.993
6/22/2017 12:44:00 PM	29.000	3.960	11.064	0.977
6/22/2017 12:44:01 PM	30.000	3.965	11.080	0.966
6/22/2017 12:44:02 PM	31.000	3.975	11.094	0.942
6/22/2017 12:44:03 PM	32.000	3.987	11.077	0.916
6/22/2017 12:44:04 PM	33.000	3.991	11.083	0.905
6/22/2017 12:44:05 PM	34.000	4.000	11.103	0.886
6/22/2017 12:44:06 PM	35.000	4.009	11.070	0.863
6/22/2017 12:44:07 PM	36.000	4.013	11.052	0.856
6/22/2017 12:44:08 PM	37.000	4.022	11.069	0.835
6/22/2017 12:44:09 PM	38.000	4.030	11.076	0.816
6/22/2017 12:44:10 PM	39.000	4.034	11.092	0.807
6/22/2017 12:44:11 PM	40.000	4.042	11.067	0.789
6/22/2017 12:44:12 PM	41.000	4.046	11.059	0.778

6/22/2017 12:44:13 PM	42.000	4.052	11.085	0.764
6/22/2017 12:44:14 PM	43.000	4.063	11.080	0.740
6/22/2017 12:44:15 PM	44.000	4.068	11.062	0.727
6/22/2017 12:44:16 PM	45.000	4.072	11.084	0.719
6/22/2017 12:44:17 PM	46.000	4.079	11.097	0.703
6/22/2017 12:44:18 PM	47.000	4.085	11.066	0.689
6/22/2017 12:44:19 PM	48.000	4.089	11.070	0.680
6/22/2017 12:44:20 PM	49.000	4.095	11.102	0.665
6/22/2017 12:44:21 PM	50.000	4.102	11.090	0.649
6/22/2017 12:44:22 PM	51.000	4.108	11.082	0.636
6/22/2017 12:44:23 PM	52.000	4.114	11.084	0.621
6/22/2017 12:44:24 PM	53.000	4.117	11.096	0.616
6/22/2017 12:44:25 PM	54.000	4.121	11.079	0.606
6/22/2017 12:44:26 PM	55.000	4.125	11.063	0.596
6/22/2017 12:44:27 PM	56.000	4.130	11.036	0.585
6/22/2017 12:44:28 PM	57.000	4.138	11.071	0.566
6/22/2017 12:44:29 PM	58.000	4.141	11.035	0.560
6/22/2017 12:44:30 PM	59.000	4.147	11.066	0.547
6/22/2017 12:44:31 PM	60.000	4.150	11.080	0.538
6/22/2017 12:44:32 PM	61.000	4.155	11.055	0.528
6/22/2017 12:44:33 PM	62.000	4.156	11.102	0.525
6/22/2017 12:44:34 PM	63.000	4.161	11.069	0.514
6/22/2017 12:44:35 PM	64.000	4.162	11.079	0.512
6/22/2017 12:44:36 PM	65.000	4.170	11.064	0.493
6/22/2017 12:44:37 PM	66.000	4.173	11.047	0.486
6/22/2017 12:44:38 PM	67.000	4.177	11.074	0.476
6/22/2017 12:44:39 PM	68.000	4.181	11.101	0.466
6/22/2017 12:44:40 PM	69.000	4.182	11.086	0.465
6/22/2017 12:44:41 PM	70.000	4.186	11.098	0.455
6/22/2017 12:44:42 PM	71.000	4.190	11.080	0.445
6/22/2017 12:44:43 PM	72.000	4.194	11.089	0.437
6/22/2017 12:44:44 PM	73.000	4.196	11.080	0.432
6/22/2017 12:44:45 PM	74.000	4.199	11.083	0.426
6/22/2017 12:44:46 PM	75.000	4.201	11.073	0.422
6/22/2017 12:44:47 PM	76.000	4.204	11.072	0.414
6/22/2017 12:44:48 PM	77.000	4.201	11.075	0.420
6/22/2017 12:44:49 PM	78.000	4.203	11.070	0.415
6/22/2017 12:44:50 PM	79.000	4.208	11.080	0.404
6/22/2017 12:44:51 PM	80.000	4.207	11.078	0.408
6/22/2017 12:44:52 PM	81.000	4.207	11.054	0.406
6/22/2017 12:44:53 PM	82.000	4.209	11.066	0.402
6/22/2017 12:44:54 PM	83.000	4.215	11.067	0.388
6/22/2017 12:44:55 PM	84.000	4.216	11.078	0.387
6/22/2017 12:44:56 PM	85.000	4.214	11.063	0.390
6/22/2017 12:44:57 PM	86.000	4.217	11.091	0.385
6/22/2017 12:44:58 PM	87.000	4.221	11.096	0.374
6/22/2017 12:44:59 PM	88.000	4.223	11.102	0.370
6/22/2017 12:45:00 PM	89.000	4.222	11.061	0.373
6/22/2017 12:45:01 PM	90.000	4.225	11.095	0.366
6/22/2017 12:45:02 PM	91.000	4.226	11.100	0.363
6/22/2017 12:45:03 PM	92.000	4.228	11.074	0.357
6/22/2017 12:45:04 PM	93.000	4.232	11.072	0.350
6/22/2017 12:45:05 PM	94.001	4.233	11.065	0.346
6/22/2017 12:45:06 PM	95.001	4.235	11.066	0.343
6/22/2017 12:45:07 PM	96.001	4.236	11.049	0.339
6/22/2017 12:45:08 PM	97.001	4.241	11.102	0.328
6/22/2017 12:45:09 PM	98.001	4.240	11.099	0.330
6/22/2017 12:45:10 PM	99.001	4.243	11.061	0.325
6/22/2017 12:45:11 PM	100.000	4.247	11.097	0.315
6/22/2017 12:45:12 PM	101.000	4.248	11.079	0.311
6/22/2017 12:45:13 PM	102.000	4.247	11.057	0.314
6/22/2017 12:45:14 PM	103.000	4.252	11.077	0.303
6/22/2017 12:45:15 PM	104.000	4.254	11.095	0.297

6/22/2017 12:45:16 PM	105.000	4.254	11.095	0.298
6/22/2017 12:45:17 PM	106.017	4.253	11.094	0.301
6/22/2017 12:45:18 PM	107.000	4.256	11.079	0.295
6/22/2017 12:45:19 PM	108.000	4.258	11.059	0.289
6/22/2017 12:45:20 PM	109.000	4.258	11.087	0.290
6/22/2017 12:45:21 PM	110.000	4.262	11.088	0.280
6/22/2017 12:45:22 PM	111.000	4.266	11.084	0.270
6/22/2017 12:45:23 PM	112.000	4.265	11.080	0.273
6/22/2017 12:45:24 PM	113.000	4.265	11.094	0.273
6/22/2017 12:45:25 PM	114.000	4.267	11.094	0.269
6/22/2017 12:45:26 PM	115.000	4.269	11.057	0.264
6/22/2017 12:45:27 PM	116.050	4.272	11.058	0.258
6/22/2017 12:45:28 PM	117.000	4.271	11.072	0.259
6/22/2017 12:45:29 PM	118.000	4.271	11.080	0.259
6/22/2017 12:45:30 PM	119.000	4.274	11.070	0.253
6/22/2017 12:45:31 PM	120.000	4.277	11.125	0.246
6/22/2017 12:45:32 PM	121.000	4.277	11.066	0.246
6/22/2017 12:45:33 PM	122.000	4.276	11.066	0.247
6/22/2017 12:45:34 PM	123.000	4.283	11.083	0.232
6/22/2017 12:45:35 PM	124.000	4.283	11.083	0.231
6/22/2017 12:45:36 PM	125.000	4.282	11.116	0.233
6/22/2017 12:45:37 PM	126.053	4.287	11.071	0.223
6/22/2017 12:45:38 PM	127.000	4.288	11.100	0.220
6/22/2017 12:45:39 PM	128.000	4.288	11.083	0.221
6/22/2017 12:45:40 PM	129.000	4.290	11.086	0.216
6/22/2017 12:45:41 PM	130.000	4.293	11.095	0.209
6/22/2017 12:45:42 PM	131.000	4.291	11.069	0.212
6/22/2017 12:45:43 PM	132.000	4.289	11.094	0.218
6/22/2017 12:45:44 PM	133.000	4.288	11.075	0.219
6/22/2017 12:45:45 PM	134.000	4.289	11.089	0.217
6/22/2017 12:45:46 PM	135.000	4.294	11.107	0.207
6/22/2017 12:45:47 PM	136.051	4.292	11.088	0.212
6/22/2017 12:45:48 PM	137.000	4.294	11.086	0.207
6/22/2017 12:45:49 PM	138.000	4.293	11.090	0.208
6/22/2017 12:45:50 PM	139.000	4.296	11.088	0.202
6/22/2017 12:45:51 PM	140.000	4.296	11.088	0.202
6/22/2017 12:45:52 PM	141.000	4.298	11.061	0.198
6/22/2017 12:45:53 PM	142.000	4.298	11.074	0.198
6/22/2017 12:45:54 PM	143.001	4.301	11.074	0.189
6/22/2017 12:45:55 PM	144.001	4.300	11.053	0.191
6/22/2017 12:45:56 PM	145.010	4.299	11.091	0.194
6/22/2017 12:45:57 PM	146.001	4.301	11.082	0.189
6/22/2017 12:45:58 PM	147.001	4.302	11.072	0.187
6/22/2017 12:45:59 PM	148.001	4.304	11.061	0.182
6/22/2017 12:46:00 PM	149.001	4.305	11.093	0.180
6/22/2017 12:46:01 PM	150.001	4.303	11.119	0.185
6/22/2017 12:46:02 PM	151.000	4.304	11.072	0.182
6/22/2017 12:46:03 PM	152.000	4.305	11.072	0.180
6/22/2017 12:46:04 PM	153.000	4.308	11.047	0.174
6/22/2017 12:46:05 PM	154.000	4.310	11.084	0.168
6/22/2017 12:46:06 PM	155.126	4.311	11.120	0.168
6/22/2017 12:46:07 PM	156.000	4.313	11.104	0.162
6/22/2017 12:46:08 PM	157.000	4.313	11.083	0.163
6/22/2017 12:46:09 PM	158.000	4.313	11.073	0.162
6/22/2017 12:46:10 PM	159.000	4.317	11.069	0.154
6/22/2017 12:46:11 PM	160.000	4.313	11.071	0.161
6/22/2017 12:46:12 PM	161.000	4.316	11.084	0.156
6/22/2017 12:46:13 PM	162.000	4.313	11.080	0.163
6/22/2017 12:46:14 PM	163.000	4.316	11.079	0.155
6/22/2017 12:46:15 PM	164.000	4.319	11.108	0.149
6/22/2017 12:46:16 PM	165.000	4.317	11.106	0.153
6/22/2017 12:46:17 PM	166.000	4.316	11.114	0.155
6/22/2017 12:46:18 PM	167.000	4.319	11.063	0.148

6/22/2017 12:46:19 PM	168.000	4.318	11.071	0.151
6/22/2017 12:46:20 PM	169.000	4.321	11.074	0.144
6/22/2017 12:46:21 PM	170.000	4.320	11.080	0.146
6/22/2017 12:46:22 PM	171.000	4.319	11.099	0.147
6/22/2017 12:46:23 PM	172.000	4.319	11.066	0.149
6/22/2017 12:46:24 PM	173.000	4.319	11.082	0.147
6/22/2017 12:46:25 PM	174.000	4.322	11.088	0.142
6/22/2017 12:46:26 PM	175.000	4.320	11.088	0.145
6/22/2017 12:46:27 PM	176.066	4.325	11.101	0.135
6/22/2017 12:46:28 PM	177.000	4.321	11.076	0.143
6/22/2017 12:46:29 PM	178.000	4.323	11.082	0.139
6/22/2017 12:46:30 PM	179.000	4.325	11.073	0.136
6/22/2017 12:46:31 PM	180.000	4.326	11.120	0.133
6/22/2017 12:46:32 PM	181.000	4.328	11.074	0.128
6/22/2017 12:46:33 PM	182.000	4.326	11.088	0.133
6/22/2017 12:46:34 PM	183.000	4.325	11.072	0.134
6/22/2017 12:46:35 PM	184.000	4.325	11.086	0.134
6/22/2017 12:46:36 PM	185.000	4.326	11.108	0.132
6/22/2017 12:46:37 PM	186.064	4.327	11.114	0.131
6/22/2017 12:46:38 PM	187.000	4.329	11.108	0.126
6/22/2017 12:46:39 PM	188.000	4.330	11.097	0.124
6/22/2017 12:46:40 PM	189.000	4.328	11.080	0.128
6/22/2017 12:46:41 PM	190.000	4.329	11.092	0.125
6/22/2017 12:46:42 PM	191.000	4.330	11.102	0.123
6/22/2017 12:46:43 PM	192.201	4.330	11.104	0.124
6/22/2017 12:46:44 PM	193.000	4.332	11.079	0.118
6/22/2017 12:46:45 PM	194.000	4.329	11.113	0.125
6/22/2017 12:46:46 PM	195.000	4.331	11.098	0.120
6/22/2017 12:46:47 PM	196.000	4.331	11.099	0.120
6/22/2017 12:46:48 PM	197.000	4.332	11.119	0.118
6/22/2017 12:46:49 PM	198.000	4.331	11.091	0.120
6/22/2017 12:46:50 PM	199.000	4.332	11.105	0.117
6/22/2017 12:46:51 PM	200.000	4.334	11.111	0.113
6/22/2017 12:46:52 PM	201.000	4.333	11.056	0.115
6/22/2017 12:46:53 PM	202.000	4.334	11.090	0.114
6/22/2017 12:46:54 PM	203.000	4.333	11.105	0.117
6/22/2017 12:46:55 PM	204.000	4.336	11.080	0.109
6/22/2017 12:46:56 PM	205.000	4.334	11.100	0.114
6/22/2017 12:46:57 PM	206.000	4.333	11.092	0.115
6/22/2017 12:46:58 PM	207.000	4.335	11.077	0.112
6/22/2017 12:46:59 PM	208.000	4.334	11.073	0.113
6/22/2017 12:47:00 PM	209.000	4.336	11.095	0.109
6/22/2017 12:47:01 PM	210.000	4.335	11.092	0.111
6/22/2017 12:47:02 PM	211.000	4.335	11.091	0.112
6/22/2017 12:47:03 PM	212.000	4.338	11.052	0.106
6/22/2017 12:47:04 PM	213.000	4.337	11.082	0.106
6/22/2017 12:47:05 PM	214.000	4.337	11.100	0.107
6/22/2017 12:47:06 PM	215.000	4.335	11.109	0.111
6/22/2017 12:47:07 PM	216.000	4.340	11.089	0.100
6/22/2017 12:47:08 PM	217.000	4.338	11.097	0.104
6/22/2017 12:47:09 PM	218.000	4.340	11.074	0.099
6/22/2017 12:47:10 PM	219.000	4.340	11.111	0.099
6/22/2017 12:47:11 PM	220.000	4.336	11.072	0.108
6/22/2017 12:47:12 PM	221.000	4.338	11.080	0.105
6/22/2017 12:47:13 PM	222.000	4.339	11.108	0.102
6/22/2017 12:47:14 PM	223.000	4.340	11.105	0.100
6/22/2017 12:47:15 PM	224.000	4.341	11.089	0.099
6/22/2017 12:47:16 PM	225.000	4.341	11.075	0.097
6/22/2017 12:47:17 PM	226.000	4.342	11.093	0.094
6/22/2017 12:47:18 PM	227.000	4.342	11.069	0.094
6/22/2017 12:47:19 PM	228.000	4.341	11.114	0.098
6/22/2017 12:47:20 PM	229.000	4.345	11.092	0.089
6/22/2017 12:47:21 PM	230.000	4.344	11.072	0.091

6/22/2017 12:47:22 PM	231.000	4.342	11.083	0.096
6/22/2017 12:47:23 PM	232.000	4.344	11.097	0.091
6/22/2017 12:47:24 PM	233.000	4.343	11.072	0.093
6/22/2017 12:47:25 PM	234.000	4.345	11.115	0.087
6/22/2017 12:47:26 PM	235.000	4.343	11.106	0.094
6/22/2017 12:47:27 PM	236.000	4.347	11.137	0.083
6/22/2017 12:47:28 PM	237.000	4.347	11.109	0.084
6/22/2017 12:47:29 PM	238.000	4.346	11.079	0.087
6/22/2017 12:47:30 PM	239.000	4.348	11.088	0.081
6/22/2017 12:47:31 PM	240.001	4.349	11.074	0.079
6/22/2017 12:47:32 PM	241.001	4.351	11.081	0.075
6/22/2017 12:47:33 PM	242.001	4.349	11.093	0.078
6/22/2017 12:47:34 PM	243.001	4.349	11.116	0.079
6/22/2017 12:47:35 PM	244.001	4.349	11.088	0.078
6/22/2017 12:47:36 PM	245.000	4.352	11.099	0.072
6/22/2017 12:47:37 PM	246.000	4.351	11.101	0.075
6/22/2017 12:47:38 PM	247.000	4.353	11.083	0.069
6/22/2017 12:47:39 PM	248.000	4.347	11.074	0.083
6/22/2017 12:47:40 PM	249.000	4.352	11.105	0.073
6/22/2017 12:47:41 PM	250.000	4.353	11.090	0.069
6/22/2017 12:47:42 PM	251.000	4.352	11.088	0.072
6/22/2017 12:47:43 PM	252.000	4.353	11.080	0.071
6/22/2017 12:47:44 PM	253.000	4.354	11.082	0.069
6/22/2017 12:47:45 PM	254.000	4.355	11.097	0.066
6/22/2017 12:47:46 PM	255.000	4.352	11.073	0.071
6/22/2017 12:47:47 PM	256.000	4.354	11.091	0.068
6/22/2017 12:47:48 PM	257.000	4.354	11.088	0.067
6/22/2017 12:47:49 PM	258.000	4.354	11.087	0.067
6/22/2017 12:47:50 PM	259.000	4.356	11.102	0.062
6/22/2017 12:47:51 PM	260.000	4.354	11.089	0.067
6/22/2017 12:47:52 PM	261.000	4.356	11.118	0.063
6/22/2017 12:47:53 PM	262.000	4.356	11.088	0.063
6/22/2017 12:47:54 PM	263.000	4.358	11.083	0.058
6/22/2017 12:47:55 PM	264.000	4.359	11.087	0.057
6/22/2017 12:47:56 PM	265.000	4.358	11.080	0.057
6/22/2017 12:47:57 PM	266.000	4.358	11.094	0.058
6/22/2017 12:47:58 PM	267.000	4.359	11.113	0.056
6/22/2017 12:47:59 PM	268.000	4.361	11.094	0.052
6/22/2017 12:48:00 PM	269.000	4.361	11.082	0.051
6/22/2017 12:48:01 PM	270.000	4.360	11.088	0.055
6/22/2017 12:48:02 PM	271.000	4.361	11.093	0.051
6/22/2017 12:48:03 PM	272.000	4.363	11.099	0.047
6/22/2017 12:48:04 PM	273.000	4.361	11.101	0.052
6/22/2017 12:48:05 PM	274.000	4.361	11.102	0.051
6/22/2017 12:48:06 PM	275.000	4.362	11.080	0.050
6/22/2017 12:48:07 PM	276.000	4.364	11.094	0.045
6/22/2017 12:48:08 PM	277.000	4.360	11.088	0.054
6/22/2017 12:48:09 PM	278.000	4.363	11.102	0.048
6/22/2017 12:48:10 PM	279.000	4.360	11.112	0.055
6/22/2017 12:48:11 PM	280.000	4.362	11.060	0.049
6/22/2017 12:48:12 PM	281.000	4.363	11.118	0.046
6/22/2017 12:48:13 PM	282.000	4.365	11.068	0.043
6/22/2017 12:48:14 PM	283.000	4.362	11.091	0.050
6/22/2017 12:48:15 PM	284.000	4.363	11.057	0.046
6/22/2017 12:48:16 PM	285.000	4.364	11.093	0.044
6/22/2017 12:48:17 PM	286.000	4.364	11.046	0.045
6/22/2017 12:48:18 PM	287.000	4.363	11.083	0.046
6/22/2017 12:48:19 PM	288.000	4.366	11.083	0.039
6/22/2017 12:48:20 PM	289.000	4.367	11.097	0.038
6/22/2017 12:48:21 PM	290.000	4.366	11.087	0.039
6/22/2017 12:48:22 PM	291.000	4.364	11.119	0.044
6/22/2017 12:48:23 PM	292.000	4.367	11.079	0.036
6/22/2017 12:48:24 PM	293.000	4.365	11.094	0.042

6/22/2017 12:48:25 PM	294.000	4.364	11.102	0.044
6/22/2017 12:48:26 PM	295.000	4.366	11.094	0.040
6/22/2017 12:48:27 PM	296.000	4.367	11.069	0.037
6/22/2017 12:48:28 PM	297.000	4.367	11.091	0.037
6/22/2017 12:48:29 PM	298.000	4.367	11.117	0.038
6/22/2017 12:48:30 PM	299.000	4.368	11.102	0.035
6/22/2017 12:48:31 PM	300.000	4.365	11.097	0.042
6/22/2017 12:49:31 PM	360.001	4.375	11.092	0.020
6/22/2017 12:50:31 PM	420.001	4.378	11.069	0.012
6/22/2017 12:51:31 PM	480.001	4.375	11.078	0.018
6/22/2017 12:52:31 PM	540.001	4.378	11.075	0.012
6/22/2017 12:53:31 PM	600.001	4.378	11.121	0.012
6/22/2017 12:54:31 PM	660.001	4.376	11.074	0.018
6/22/2017 12:55:31 PM	720.001	4.376	11.101	0.017
6/22/2017 12:56:31 PM	780.001	4.380	11.090	0.008
6/22/2017 12:57:31 PM	840.001	4.376	11.064	0.016
6/22/2017 12:58:31 PM	900.001	4.378	11.069	0.013
6/22/2017 12:59:31 PM	960.001	4.380	11.092	0.009
6/22/2017 1:00:31 PM	1020.001	4.380	11.078	0.007
6/22/2017 1:01:31 PM	1080.001	4.381	11.064	0.006
6/22/2017 1:02:31 PM	1140.001	4.380	11.049	0.008
6/22/2017 1:03:31 PM	1200.001	4.379	11.043	0.010
6/22/2017 1:04:31 PM	1260.001	4.377	11.052	0.014
6/22/2017 1:05:31 PM	1320.001	4.377	11.047	0.015
6/22/2017 1:06:31 PM	1380.001	4.381	11.053	0.005
6/22/2017 1:07:31 PM	1440.001	4.380	11.078	0.007
6/22/2017 1:08:31 PM	1500.001	4.382	11.049	0.003
6/22/2017 1:09:31 PM	1560.001	4.381	11.055	0.006
6/22/2017 1:10:31 PM	1620.001	4.381	11.054	0.006
6/22/2017 1:11:31 PM	1680.001	4.380	11.034	0.008
6/22/2017 1:12:31 PM	1740.001	4.382	11.027	0.002
6/22/2017 1:13:31 PM	1800.001	4.385	11.052	-0.004
6/22/2017 1:14:31 PM	1860.001	4.380	11.022	0.007
6/22/2017 1:15:31 PM	1920.001	4.381	11.025	0.006
6/22/2017 1:16:31 PM	1980.001	4.381	11.037	0.006
6/22/2017 1:17:31 PM	2040.001	4.380	11.049	0.008
6/22/2017 1:18:31 PM	2100.001	4.380	11.030	0.007

Report Date: 7/10/2017 9:48:00 AM
Report User Name: dalmond
Report Computer Name: PINEWRKMA25-PC
Application: WinSitu.exe
Application Version: 5.6.25.0

Log File Properties:
File Name: CH-MW018 FH1_2017-07-10_09-47-56-202.wsl
Create Date: 7/10/2017 9:47:54 AM

Device Properties:
Device: Level TROLL 700
Site: Camp Hero
Device Name: Level Troll 700
Serial Number: 402202
Firmware Version: 3.02
Hardware Version: 4
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 12
Used Battery(%): 12

Log Configuration
Log Name: CH-MW018 FH1
Created By: Unknown
Computer Name: Pocket PC
Application: WinSituMobile.exe
Application Version: 5.6.0.10
Create Date: 3/4/2006 9:28:00 AM Eastern Standard Time
Log Setup Time Zone: Eastern Standard Time
Notes Size(bytes): 4096
Overwrite when full: Disabled
Scheduled Start Time: Manual Start
Scheduled Stop Time: No Stop Time
Type: Step Test
Steps: 2 (Linear)
Step: 1
Duration: Days: 0 hrs: 00 mins: 01 secs: 00
Interval: Days: 0 hrs: 00 mins: 00 secs: 00.250
Step: 2
Duration: Days: 0 hrs: 01 mins: 00 secs: 00
Interval: Days: 0 hrs: 00 mins: 01 secs: 00

Level Reference Settings At Log Creation
Level Measurement Mode: Level Depth To Water
Specific Gravity: 0.999
Level Reference Mode: Set new reference
Level Reference Value: 0 (ft)
Level Reference Head Pressure: 4.23075 (PSI)

Other Log Settings
Pressure Offset: 0.00335646 (PSI)
Depth of Probe: 9.76211 (ft)
Head Pressure: 4.22791 (PSI)
Temperature: 11.4177 (C)

Log Notes:

Date and Time	Note
6/22/2017 3:08:46 PM	Used Battery: 12% Used Memory: 14% User Name: Unknown
6/22/2017 3:09:37 PM	Manual Start Command
6/22/2017 3:10:46 PM	Log Download - Used Battery: 12% Used Memory: 14% User Name: Unknown
6/22/2017 3:13:05 PM	Log Download - Used Battery: 12% Used Memory: 14% User Name: Unknown
6/22/2017 3:31:36 PM	Log Download - Used Battery: 12% Used Memory: 14% User Name: Unknown
6/22/2017 3:33:30 PM	Used Battery: 12% Used Memory: 14% User Name: Unknown
6/22/2017 3:33:30 PM	Manual Stop Command

Log Data:
Record Count: 260
Sensors: 1
1 - 402202: Pressure/Temp 30 PSIG (21m/69ft)
Time Zone: Eastern Daylight Time

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 69ft SN#: 402202 Pressure (PSI)	Sensor: Pres(G) 69ft SN#: 402202 Temperature (C)	Sensor: Pres(G) 69ft SN#: 402202 Level Depth To Water (ft)
6/22/2017 3:09:37 PM	0.000	4.227	11.442	0.008
6/22/2017 3:09:38 PM	0.251	4.231	11.472	0.000
6/22/2017 3:09:38 PM	0.728	4.230	11.450	0.002
6/22/2017 3:09:38 PM	0.851	4.227	11.466	0.010
6/22/2017 3:09:38 PM	1.001	4.231	11.479	-0.000
6/22/2017 3:09:39 PM	1.251	4.227	11.462	0.008
6/22/2017 3:09:39 PM	1.599	4.227	11.449	0.008
6/22/2017 3:09:39 PM	1.751	4.229	11.526	0.004
6/22/2017 3:09:39 PM	2.001	4.233	11.488	-0.004
6/22/2017 3:09:40 PM	2.251	4.229	11.467	0.004
6/22/2017 3:09:40 PM	2.501	4.231	11.463	0.000
6/22/2017 3:09:40 PM	2.751	4.228	11.488	0.006
6/22/2017 3:09:40 PM	3.001	4.228	11.465	0.007
6/22/2017 3:09:41 PM	3.251	4.227	11.502	0.008
6/22/2017 3:09:41 PM	3.501	4.226	11.461	0.010
6/22/2017 3:09:41 PM	3.751	4.231	11.455	-0.001
6/22/2017 3:09:41 PM	4.001	4.227	11.461	0.008
6/22/2017 3:09:42 PM	4.251	4.228	11.472	0.006
6/22/2017 3:09:42 PM	4.501	4.227	11.475	0.009
6/22/2017 3:09:42 PM	4.751	4.228	11.492	0.006
6/22/2017 3:09:42 PM	5.001	4.232	11.474	-0.002
6/22/2017 3:09:43 PM	5.251	4.228	11.495	0.007
6/22/2017 3:09:43 PM	5.501	4.231	11.485	-0.001
6/22/2017 3:09:43 PM	5.751	4.228	11.520	0.006
6/22/2017 3:09:43 PM	6.001	4.226	11.465	0.011
6/22/2017 3:09:44 PM	6.251	4.227	11.504	0.009
6/22/2017 3:09:44 PM	6.501	4.227	11.492	0.008
6/22/2017 3:09:44 PM	6.751	4.231	11.524	-0.001
6/22/2017 3:09:44 PM	7.001	4.228	11.496	0.006
6/22/2017 3:09:45 PM	7.251	4.228	11.488	0.006
6/22/2017 3:09:45 PM	7.501	4.227	11.506	0.008
6/22/2017 3:09:45 PM	7.751	4.229	11.518	0.004
6/22/2017 3:09:45 PM	8.001	4.226	11.475	0.012
6/22/2017 3:09:46 PM	8.251	4.228	11.519	0.006
6/22/2017 3:09:46 PM	8.501	4.227	11.471	0.009
6/22/2017 3:09:46 PM	8.751	4.226	11.499	0.011
6/22/2017 3:09:46 PM	9.001	4.224	11.496	0.015
6/22/2017 3:09:47 PM	9.251	4.227	11.500	0.008
6/22/2017 3:09:47 PM	9.501	4.227	11.486	0.009
6/22/2017 3:09:47 PM	9.751	4.229	11.512	0.004

6/22/2017 3:09:47 PM	10.001	4.225	11.490	0.013
6/22/2017 3:09:48 PM	10.251	4.226	11.478	0.012
6/22/2017 3:09:48 PM	10.501	4.229	11.507	0.004
6/22/2017 3:09:48 PM	10.751	4.227	11.503	0.009
6/22/2017 3:09:48 PM	11.001	4.229	11.496	0.005
6/22/2017 3:09:49 PM	11.251	4.228	11.495	0.007
6/22/2017 3:09:49 PM	11.501	4.227	11.511	0.009
6/22/2017 3:09:49 PM	11.751	4.227	11.479	0.008
6/22/2017 3:09:49 PM	12.001	4.228	11.481	0.006
6/22/2017 3:09:50 PM	12.251	4.226	11.497	0.011
6/22/2017 3:09:50 PM	12.501	4.230	11.519	0.002
6/22/2017 3:09:50 PM	12.751	4.226	11.503	0.010
6/22/2017 3:09:50 PM	13.001	4.226	11.480	0.011
6/22/2017 3:09:51 PM	13.251	4.232	11.511	-0.002
6/22/2017 3:09:51 PM	13.501	4.226	11.488	0.010
6/22/2017 3:09:51 PM	13.751	4.226	11.515	0.011
6/22/2017 3:09:51 PM	14.001	4.231	11.496	-0.001
6/22/2017 3:09:52 PM	14.251	4.227	11.515	0.009
6/22/2017 3:09:52 PM	14.501	4.228	11.505	0.006
6/22/2017 3:09:52 PM	14.751	4.223	11.501	0.017
6/22/2017 3:09:52 PM	15.001	4.227	11.526	0.009
6/22/2017 3:09:53 PM	15.251	4.229	11.516	0.003
6/22/2017 3:09:53 PM	15.501	4.229	11.521	0.004
6/22/2017 3:09:53 PM	15.751	4.227	11.511	0.008
6/22/2017 3:09:53 PM	16.001	4.227	11.527	0.010
6/22/2017 3:09:54 PM	16.251	4.228	11.529	0.005
6/22/2017 3:09:54 PM	16.501	4.227	11.507	0.008
6/22/2017 3:09:54 PM	16.751	4.228	11.513	0.006
6/22/2017 3:09:54 PM	17.001	4.225	11.553	0.013
6/22/2017 3:09:55 PM	17.251	4.226	11.504	0.011
6/22/2017 3:09:55 PM	17.501	4.228	11.540	0.006
6/22/2017 3:09:55 PM	17.751	4.228	11.523	0.006
6/22/2017 3:09:55 PM	18.001	4.229	11.501	0.004
6/22/2017 3:09:56 PM	18.251	4.228	11.495	0.006
6/22/2017 3:09:56 PM	18.501	4.230	11.509	0.001
6/22/2017 3:09:56 PM	18.751	4.226	11.493	0.010
6/22/2017 3:09:56 PM	19.001	4.226	11.516	0.010
6/22/2017 3:09:57 PM	19.251	4.226	11.539	0.010
6/22/2017 3:09:57 PM	19.501	4.298	11.516	-0.155
6/22/2017 3:09:57 PM	19.751	4.774	11.511	-1.254
6/22/2017 3:09:57 PM	20.001	4.629	11.518	-0.920
6/22/2017 3:09:58 PM	20.251	4.723	11.525	-1.137
6/22/2017 3:09:58 PM	20.501	4.604	11.529	-0.861
6/22/2017 3:09:58 PM	20.751	4.712	11.526	-1.112
6/22/2017 3:09:58 PM	21.001	4.530	11.529	-0.691
6/22/2017 3:09:59 PM	21.251	4.593	11.499	-0.835
6/22/2017 3:09:59 PM	21.501	4.500	11.502	-0.621
6/22/2017 3:09:59 PM	21.751	4.314	11.501	-0.193
6/22/2017 3:09:59 PM	22.001	4.377	11.491	-0.337
6/22/2017 3:10:00 PM	22.251	3.785	11.501	1.028
6/22/2017 3:10:00 PM	22.501	4.435	11.521	-0.472
6/22/2017 3:10:00 PM	22.751	4.281	11.535	-0.116
6/22/2017 3:10:00 PM	23.001	4.353	11.518	-0.282
6/22/2017 3:10:01 PM	23.251	4.313	11.513	-0.189
6/22/2017 3:10:01 PM	23.501	4.336	11.509	-0.244
6/22/2017 3:10:01 PM	23.751	4.318	11.499	-0.202
6/22/2017 3:10:01 PM	24.001	4.329	11.524	-0.226
6/22/2017 3:10:02 PM	24.251	4.321	11.542	-0.207
6/22/2017 3:10:02 PM	24.501	4.318	11.531	-0.202
6/22/2017 3:10:02 PM	24.751	4.326	11.525	-0.220
6/22/2017 3:10:02 PM	25.001	4.324	11.520	-0.216
6/22/2017 3:10:03 PM	25.251	4.324	11.521	-0.214
6/22/2017 3:10:03 PM	25.501	4.324	11.536	-0.216

6/22/2017 3:10:03 PM	25.751	4.319	11.525	-0.203
6/22/2017 3:10:03 PM	26.001	4.319	11.532	-0.204
6/22/2017 3:10:04 PM	26.251	4.321	11.532	-0.207
6/22/2017 3:10:04 PM	26.501	4.319	11.523	-0.204
6/22/2017 3:10:04 PM	26.751	4.323	11.493	-0.212
6/22/2017 3:10:04 PM	27.001	4.319	11.555	-0.204
6/22/2017 3:10:05 PM	27.251	4.323	11.509	-0.213
6/22/2017 3:10:05 PM	27.501	4.319	11.554	-0.205
6/22/2017 3:10:05 PM	27.751	4.322	11.557	-0.210
6/22/2017 3:10:05 PM	28.001	4.321	11.521	-0.209
6/22/2017 3:10:06 PM	28.251	4.322	11.545	-0.210
6/22/2017 3:10:06 PM	28.501	4.318	11.533	-0.202
6/22/2017 3:10:06 PM	28.751	4.318	11.528	-0.202
6/22/2017 3:10:06 PM	29.001	4.320	11.531	-0.207
6/22/2017 3:10:07 PM	29.251	4.318	11.524	-0.201
6/22/2017 3:10:07 PM	29.501	4.321	11.541	-0.209
6/22/2017 3:10:07 PM	29.751	4.324	11.520	-0.216
6/22/2017 3:10:07 PM	30.001	4.319	11.546	-0.205
6/22/2017 3:10:08 PM	30.251	4.320	11.535	-0.207
6/22/2017 3:10:08 PM	30.501	4.319	11.545	-0.204
6/22/2017 3:10:08 PM	30.751	4.322	11.533	-0.212
6/22/2017 3:10:08 PM	31.001	4.319	11.545	-0.204
6/22/2017 3:10:09 PM	31.251	4.319	11.516	-0.203
6/22/2017 3:10:09 PM	31.501	4.322	11.532	-0.210
6/22/2017 3:10:09 PM	31.751	4.317	11.564	-0.200
6/22/2017 3:10:09 PM	32.001	4.334	11.554	-0.238
6/22/2017 3:10:10 PM	32.251	4.321	11.531	-0.208
6/22/2017 3:10:10 PM	32.501	4.319	11.533	-0.205
6/22/2017 3:10:10 PM	32.751	4.311	11.565	-0.186
6/22/2017 3:10:10 PM	33.001	4.322	11.542	-0.210
6/22/2017 3:10:11 PM	33.251	4.316	11.554	-0.197
6/22/2017 3:10:11 PM	33.501	4.325	11.540	-0.217
6/22/2017 3:10:11 PM	33.751	4.315	11.540	-0.195
6/22/2017 3:10:11 PM	34.001	4.323	11.540	-0.212
6/22/2017 3:10:12 PM	34.251	4.319	11.565	-0.204
6/22/2017 3:10:12 PM	34.501	4.322	11.544	-0.210
6/22/2017 3:10:12 PM	34.751	4.321	11.567	-0.208
6/22/2017 3:10:12 PM	35.017	4.322	11.529	-0.211
6/22/2017 3:10:13 PM	35.251	4.319	11.551	-0.203
6/22/2017 3:10:13 PM	35.501	4.321	11.546	-0.209
6/22/2017 3:10:13 PM	35.751	4.322	11.526	-0.211
6/22/2017 3:10:13 PM	36.001	4.320	11.562	-0.205
6/22/2017 3:10:14 PM	36.251	4.320	11.560	-0.206
6/22/2017 3:10:14 PM	36.501	4.321	11.560	-0.208
6/22/2017 3:10:14 PM	36.751	4.322	11.552	-0.211
6/22/2017 3:10:14 PM	37.001	4.319	11.556	-0.204
6/22/2017 3:10:15 PM	37.251	4.319	11.534	-0.205
6/22/2017 3:10:15 PM	37.501	4.320	11.533	-0.206
6/22/2017 3:10:15 PM	37.751	4.322	11.515	-0.210
6/22/2017 3:10:15 PM	38.001	4.318	11.548	-0.202
6/22/2017 3:10:16 PM	38.251	4.319	11.540	-0.203
6/22/2017 3:10:16 PM	38.501	4.315	11.558	-0.195
6/22/2017 3:10:16 PM	38.751	4.319	11.579	-0.205
6/22/2017 3:10:16 PM	39.001	4.319	11.544	-0.203
6/22/2017 3:10:17 PM	39.251	4.318	11.543	-0.202
6/22/2017 3:10:17 PM	39.501	4.320	11.559	-0.205
6/22/2017 3:10:17 PM	39.751	4.320	11.554	-0.206
6/22/2017 3:10:17 PM	40.001	4.321	11.527	-0.207
6/22/2017 3:10:18 PM	40.251	4.322	11.575	-0.210
6/22/2017 3:10:18 PM	40.501	4.321	11.560	-0.208
6/22/2017 3:10:18 PM	40.751	4.322	11.546	-0.210
6/22/2017 3:10:18 PM	41.001	4.319	11.579	-0.205
6/22/2017 3:10:19 PM	41.251	4.317	11.561	-0.200

6/22/2017 3:10:19 PM	41.501	4.320	11.569	-0.206
6/22/2017 3:10:19 PM	41.751	4.320	11.556	-0.205
6/22/2017 3:10:19 PM	42.001	4.319	11.540	-0.204
6/22/2017 3:10:20 PM	42.251	4.319	11.551	-0.204
6/22/2017 3:10:20 PM	42.501	4.321	11.521	-0.208
6/22/2017 3:10:20 PM	42.751	4.320	11.572	-0.207
6/22/2017 3:10:20 PM	43.001	4.317	11.535	-0.200
6/22/2017 3:10:21 PM	43.251	4.317	11.552	-0.199
6/22/2017 3:10:21 PM	43.501	4.319	11.573	-0.203
6/22/2017 3:10:21 PM	43.751	4.318	11.532	-0.201
6/22/2017 3:10:21 PM	44.001	4.319	11.559	-0.203
6/22/2017 3:10:22 PM	44.251	4.320	11.568	-0.205
6/22/2017 3:10:22 PM	44.501	4.319	11.566	-0.203
6/22/2017 3:10:22 PM	44.751	4.321	11.562	-0.208
6/22/2017 3:10:22 PM	45.001	4.321	11.582	-0.209
6/22/2017 3:10:23 PM	45.251	4.319	11.562	-0.204
6/22/2017 3:10:23 PM	45.501	4.321	11.547	-0.209
6/22/2017 3:10:23 PM	45.751	4.316	11.571	-0.197
6/22/2017 3:10:23 PM	46.001	4.319	11.576	-0.203
6/22/2017 3:10:24 PM	46.251	4.319	11.560	-0.205
6/22/2017 3:10:24 PM	46.501	4.321	11.576	-0.208
6/22/2017 3:10:24 PM	46.751	4.318	11.591	-0.201
6/22/2017 3:10:24 PM	47.001	4.318	11.547	-0.202
6/22/2017 3:10:25 PM	47.251	4.319	11.571	-0.204
6/22/2017 3:10:25 PM	47.501	4.318	11.579	-0.202
6/22/2017 3:10:25 PM	47.751	4.318	11.566	-0.202
6/22/2017 3:10:25 PM	48.001	4.318	11.528	-0.201
6/22/2017 3:10:26 PM	48.251	4.318	11.560	-0.202
6/22/2017 3:10:26 PM	48.501	4.318	11.548	-0.201
6/22/2017 3:10:26 PM	48.751	4.317	11.566	-0.198
6/22/2017 3:10:26 PM	49.001	4.318	11.547	-0.201
6/22/2017 3:10:27 PM	49.251	4.318	11.562	-0.201
6/22/2017 3:10:27 PM	49.501	4.322	11.552	-0.210
6/22/2017 3:10:27 PM	49.751	4.319	11.554	-0.205
6/22/2017 3:10:27 PM	50.001	4.326	11.558	-0.219
6/22/2017 3:10:28 PM	50.251	4.319	11.548	-0.203
6/22/2017 3:10:28 PM	50.501	4.319	11.582	-0.204
6/22/2017 3:10:28 PM	50.751	4.318	11.589	-0.201
6/22/2017 3:10:28 PM	51.001	4.321	11.574	-0.208
6/22/2017 3:10:29 PM	51.251	4.320	11.557	-0.206
6/22/2017 3:10:29 PM	51.501	4.321	11.566	-0.209
6/22/2017 3:10:29 PM	51.751	4.319	11.576	-0.203
6/22/2017 3:10:29 PM	52.001	4.323	11.548	-0.212
6/22/2017 3:10:30 PM	52.251	4.316	11.548	-0.197
6/22/2017 3:10:30 PM	52.501	4.319	11.573	-0.203
6/22/2017 3:10:30 PM	52.751	4.320	11.566	-0.206
6/22/2017 3:10:30 PM	53.001	4.320	11.564	-0.207
6/22/2017 3:10:31 PM	53.251	4.318	11.593	-0.201
6/22/2017 3:10:31 PM	53.501	4.320	11.568	-0.206
6/22/2017 3:10:31 PM	53.751	4.318	11.571	-0.201
6/22/2017 3:10:31 PM	54.001	4.316	11.589	-0.197
6/22/2017 3:10:32 PM	54.251	4.318	11.567	-0.201
6/22/2017 3:10:32 PM	54.501	4.329	11.565	-0.227
6/22/2017 3:10:32 PM	54.751	4.318	11.577	-0.201
6/22/2017 3:10:32 PM	55.001	4.324	11.577	-0.215
6/22/2017 3:10:33 PM	55.251	4.317	11.560	-0.199
6/22/2017 3:10:33 PM	55.501	4.321	11.588	-0.209
6/22/2017 3:10:33 PM	55.751	4.319	11.579	-0.204
6/22/2017 3:10:33 PM	56.001	4.317	11.596	-0.200
6/22/2017 3:10:34 PM	56.251	4.320	11.590	-0.206
6/22/2017 3:10:34 PM	56.501	4.319	11.575	-0.203
6/22/2017 3:10:34 PM	56.751	4.317	11.570	-0.198
6/22/2017 3:10:34 PM	57.001	4.321	11.579	-0.208

6/22/2017 3:10:35 PM	57.251	4.322	11.590	-0.210
6/22/2017 3:10:35 PM	57.501	4.316	11.580	-0.197
6/22/2017 3:10:35 PM	57.751	4.323	11.571	-0.212
6/22/2017 3:10:35 PM	58.001	4.320	11.568	-0.206
6/22/2017 3:10:36 PM	58.251	4.318	11.571	-0.203
6/22/2017 3:10:36 PM	58.501	4.320	11.582	-0.207
6/22/2017 3:10:36 PM	58.751	4.318	11.584	-0.201
6/22/2017 3:10:36 PM	59.001	4.318	11.576	-0.202
6/22/2017 3:10:37 PM	60.001	4.319	11.574	-0.204
6/22/2017 3:11:37 PM	120.001	4.315	11.507	-0.195
6/22/2017 3:12:37 PM	180.001	4.310	11.482	-0.183
6/22/2017 3:13:37 PM	240.001	4.309	11.465	-0.180
6/22/2017 3:14:37 PM	300.001	4.306	11.528	-0.175
6/22/2017 3:15:37 PM	360.001	4.298	11.513	-0.155
6/22/2017 3:16:37 PM	420.001	4.291	11.569	-0.139
6/22/2017 3:17:37 PM	480.001	4.286	11.612	-0.127
6/22/2017 3:18:37 PM	540.001	4.282	11.609	-0.119
6/22/2017 3:19:37 PM	600.001	4.283	11.644	-0.120
6/22/2017 3:20:37 PM	660.001	4.277	11.689	-0.106
6/22/2017 3:21:37 PM	720.001	4.275	11.722	-0.103
6/22/2017 3:22:37 PM	780.001	4.272	11.752	-0.094
6/22/2017 3:23:37 PM	840.001	4.269	11.769	-0.088
6/22/2017 3:24:37 PM	900.001	4.264	11.837	-0.077
6/22/2017 3:25:37 PM	960.001	4.262	11.872	-0.072
6/22/2017 3:26:37 PM	1020.001	4.263	11.875	-0.075
6/22/2017 3:27:37 PM	1080.001	4.259	11.884	-0.066
6/22/2017 3:28:37 PM	1140.001	4.259	11.856	-0.066
6/22/2017 3:29:37 PM	1200.001	4.259	11.868	-0.066
6/22/2017 3:30:37 PM	1260.001	4.260	11.872	-0.067
6/22/2017 3:31:37 PM	1320.001	4.255	11.913	-0.056
6/22/2017 3:32:37 PM	1380.001	4.256	11.874	-0.059

Report Date: 7/10/2017 9:47:13 AM
Report User Name: dalmond
Report Computer Name: PINEWRKMA25-PC
Application: WinSitu.exe
Application Version: 5.6.25.0

Log File Properties:
File Name: CH-MW-018 FH2_2017-07-10_09-47-08-417.wsl
Create Date: 7/10/2017 9:47:05 AM

Device Properties:
Device: Level TROLL 700
Site: Camp Hero
Device Name: Level Troll 700
Serial Number: 402202
Firmware Version: 3.02
Hardware Version: 4
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 15
Used Battery(%): 12

Log Configuration
Log Name: CH-MW-018 FH2
Created By: Unknown
Computer Name: Pocket PC
Application: WinSituMobile.exe
Application Version: 5.6.0.10
Create Date: 3/5/2006 3:30:43 AM Eastern Standard Time
Log Setup Time Zone: Eastern Standard Time
Notes Size(bytes): 4096
Overwrite when full: Disabled
Scheduled Start Time: Manual Start
Scheduled Stop Time: No Stop Time
Type: Step Test
Steps: 2 (Linear)
Step: 1
Duration: Days: 0 hrs: 00 mins: 02 secs: 00
Interval: Days: 0 hrs: 00 mins: 00 secs: 00.500
Step: 2
Duration: Days: 0 hrs: 10 mins: 00 secs: 00
Interval: Days: 0 hrs: 00 mins: 00 secs: 01

Level Reference Settings At Log Creation
Level Measurement Mode: Level Depth To Water
Specific Gravity: 0.999
Level Reference Mode: Set new reference
Level Reference Value: 0 (ft)
Level Reference Head Pressure: 4.43451 (PSI)

Other Log Settings
Pressure Offset: 0.00335646 (PSI)
Depth of Probe: 10.239 (ft)
Head Pressure: 4.43446 (PSI)
Temperature: 10.898 (C)

Log Notes:

Date and Time	Note
6/23/2017 9:11:25 AM	Used Battery: 12% Used Memory: 17% User Name: Unknown
6/23/2017 9:12:22 AM	Manual Start Command
6/23/2017 9:19:30 AM	Log Download - Used Battery: 12% Used Memory: 17% User Name: Unknown
6/23/2017 9:49:10 AM	Log Download - Used Battery: 12% Used Memory: 17% User Name: Unknown
6/23/2017 9:51:27 AM	Used Battery: 12% Used Memory: 17% User Name: Unknown
6/23/2017 9:51:28 AM	Manual Stop Command

Log Data:
Record Count: 2465
Sensors: 1
1 - 402202: Pressure/Temp 30 PSIG (21m/69ft)
Time Zone: Eastern Daylight Time

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 69ft SN#: 402202 Pressure (PSI)	Sensor: Pres(G) 69ft SN#: 402202 Temperature (C)	Sensor: Pres(G) 69ft SN#: 402202 Level Depth To Water (ft)
6/23/2017 9:12:22 AM	0.000	4.441	10.891	-0.016
6/23/2017 9:12:23 AM	0.716	4.438	10.890	-0.008
6/23/2017 9:12:23 AM	1.001	4.439	10.877	-0.010
6/23/2017 9:12:24 AM	1.653	4.440	10.877	-0.013
6/23/2017 9:12:24 AM	2.001	4.439	10.900	-0.011
6/23/2017 9:12:25 AM	2.501	4.439	10.890	-0.011
6/23/2017 9:12:25 AM	3.001	4.440	10.889	-0.014
6/23/2017 9:12:26 AM	3.501	4.438	10.912	-0.009
6/23/2017 9:12:26 AM	4.001	4.438	10.869	-0.008
6/23/2017 9:12:27 AM	4.501	4.441	10.904	-0.014
6/23/2017 9:12:27 AM	5.001	4.441	10.903	-0.015
6/23/2017 9:12:28 AM	5.501	4.440	10.900	-0.013
6/23/2017 9:12:28 AM	6.001	4.436	10.916	-0.004
6/23/2017 9:12:29 AM	6.501	4.437	10.889	-0.006
6/23/2017 9:12:29 AM	7.001	4.436	10.904	-0.004
6/23/2017 9:12:30 AM	7.501	4.436	10.904	-0.002
6/23/2017 9:12:30 AM	8.001	4.436	10.899	-0.002
6/23/2017 9:12:31 AM	8.501	4.437	10.899	-0.005
6/23/2017 9:12:31 AM	9.001	4.436	10.908	-0.003
6/23/2017 9:12:32 AM	9.501	4.442	10.891	-0.017
6/23/2017 9:12:32 AM	10.001	4.439	10.916	-0.010
6/23/2017 9:12:33 AM	10.501	4.437	10.927	-0.006
6/23/2017 9:12:33 AM	11.001	4.438	10.881	-0.008
6/23/2017 9:12:34 AM	11.501	4.441	10.885	-0.016
6/23/2017 9:12:34 AM	12.001	4.438	10.897	-0.007
6/23/2017 9:12:35 AM	12.501	4.438	10.899	-0.009
6/23/2017 9:12:35 AM	13.001	4.436	10.905	-0.003
6/23/2017 9:12:36 AM	13.501	4.442	10.877	-0.017
6/23/2017 9:12:36 AM	14.001	4.604	10.905	-0.390
6/23/2017 9:12:37 AM	14.501	4.737	10.894	-0.700
6/23/2017 9:12:37 AM	15.001	4.717	10.878	-0.652
6/23/2017 9:12:38 AM	15.501	4.733	10.910	-0.689
6/23/2017 9:12:38 AM	16.001	4.621	10.909	-0.431
6/23/2017 9:12:39 AM	16.501	4.697	10.873	-0.607
6/23/2017 9:12:39 AM	17.001	4.599	10.911	-0.379
6/23/2017 9:12:40 AM	17.501	4.487	10.885	-0.121
6/23/2017 9:12:40 AM	18.001	4.648	10.903	-0.494
6/23/2017 9:12:41 AM	18.501	4.598	10.907	-0.378
6/23/2017 9:12:41 AM	19.001	4.574	10.919	-0.323
6/23/2017 9:12:42 AM	19.501	4.568	10.924	-0.308
6/23/2017 9:12:42 AM	20.001	4.565	10.869	-0.300

6/23/2017 9:12:43 AM	20.501	4.564	10.894	-0.300
6/23/2017 9:12:43 AM	21.001	4.544	10.905	-0.252
6/23/2017 9:12:44 AM	21.501	4.545	10.897	-0.255
6/23/2017 9:12:44 AM	22.001	4.575	10.923	-0.325
6/23/2017 9:12:45 AM	22.501	4.565	10.889	-0.302
6/23/2017 9:12:45 AM	23.001	4.563	10.927	-0.297
6/23/2017 9:12:46 AM	23.501	4.560	10.911	-0.289
6/23/2017 9:12:46 AM	24.001	4.555	10.919	-0.279
6/23/2017 9:12:47 AM	24.501	4.563	10.896	-0.297
6/23/2017 9:12:47 AM	25.001	4.559	10.929	-0.286
6/23/2017 9:12:48 AM	25.501	4.558	10.930	-0.285
6/23/2017 9:12:48 AM	26.001	4.560	10.894	-0.290
6/23/2017 9:12:49 AM	26.501	4.559	10.905	-0.288
6/23/2017 9:12:49 AM	27.001	4.559	10.904	-0.288
6/23/2017 9:12:50 AM	27.501	4.557	10.897	-0.283
6/23/2017 9:12:50 AM	28.001	4.558	10.916	-0.284
6/23/2017 9:12:51 AM	28.501	4.554	10.933	-0.276
6/23/2017 9:12:51 AM	29.001	4.557	10.924	-0.283
6/23/2017 9:12:52 AM	29.501	4.556	10.894	-0.281
6/23/2017 9:12:52 AM	30.001	4.556	10.899	-0.281
6/23/2017 9:12:53 AM	30.501	4.553	10.880	-0.274
6/23/2017 9:12:53 AM	31.001	4.554	10.908	-0.277
6/23/2017 9:12:54 AM	31.501	4.554	10.904	-0.276
6/23/2017 9:12:54 AM	32.001	4.555	10.919	-0.278
6/23/2017 9:12:55 AM	32.501	4.552	10.922	-0.271
6/23/2017 9:12:55 AM	33.001	4.553	10.880	-0.273
6/23/2017 9:12:56 AM	33.501	4.556	10.919	-0.281
6/23/2017 9:12:56 AM	34.001	4.554	10.926	-0.275
6/23/2017 9:12:57 AM	34.501	4.553	10.908	-0.273
6/23/2017 9:12:57 AM	35.001	4.552	10.924	-0.272
6/23/2017 9:12:58 AM	35.501	4.551	10.905	-0.270
6/23/2017 9:12:58 AM	36.001	4.551	10.879	-0.269
6/23/2017 9:12:59 AM	36.501	4.551	10.905	-0.268
6/23/2017 9:12:59 AM	37.001	4.553	10.902	-0.274
6/23/2017 9:13:00 AM	37.501	4.554	10.895	-0.276
6/23/2017 9:13:00 AM	38.001	4.551	10.911	-0.268
6/23/2017 9:13:01 AM	38.501	4.551	10.903	-0.268
6/23/2017 9:13:01 AM	39.001	4.550	10.890	-0.266
6/23/2017 9:13:02 AM	39.501	4.552	10.949	-0.270
6/23/2017 9:13:02 AM	40.001	4.551	10.902	-0.269
6/23/2017 9:13:03 AM	40.501	4.549	10.921	-0.264
6/23/2017 9:13:03 AM	41.001	4.551	10.886	-0.268
6/23/2017 9:13:04 AM	41.501	4.551	10.915	-0.270
6/23/2017 9:13:04 AM	42.001	4.550	10.916	-0.266
6/23/2017 9:13:05 AM	42.501	4.550	10.919	-0.266
6/23/2017 9:13:05 AM	43.001	4.547	10.920	-0.260
6/23/2017 9:13:06 AM	43.501	4.548	10.899	-0.262
6/23/2017 9:13:06 AM	44.001	4.549	10.904	-0.263
6/23/2017 9:13:07 AM	44.501	4.547	10.914	-0.260
6/23/2017 9:13:07 AM	45.001	4.547	10.895	-0.259
6/23/2017 9:13:08 AM	45.501	4.546	10.885	-0.258
6/23/2017 9:13:08 AM	46.001	4.546	10.894	-0.257
6/23/2017 9:13:09 AM	46.501	4.548	10.936	-0.263
6/23/2017 9:13:09 AM	47.001	4.547	10.898	-0.260
6/23/2017 9:13:10 AM	47.501	4.542	10.922	-0.248
6/23/2017 9:13:10 AM	48.001	4.545	10.903	-0.256
6/23/2017 9:13:11 AM	48.501	4.545	10.888	-0.256
6/23/2017 9:13:11 AM	49.001	4.546	10.920	-0.257
6/23/2017 9:13:12 AM	49.501	4.545	10.924	-0.255
6/23/2017 9:13:12 AM	50.001	4.546	10.897	-0.257
6/23/2017 9:13:13 AM	50.501	4.545	10.915	-0.255
6/23/2017 9:13:13 AM	51.001	4.542	10.932	-0.248
6/23/2017 9:13:14 AM	51.501	4.541	10.932	-0.247

6/23/2017 9:13:14 AM	52.001	4.541	10.902	-0.246
6/23/2017 9:13:15 AM	52.501	4.543	10.922	-0.250
6/23/2017 9:13:15 AM	53.001	4.543	10.927	-0.251
6/23/2017 9:13:16 AM	53.522	4.541	10.936	-0.245
6/23/2017 9:13:16 AM	54.001	4.542	10.919	-0.249
6/23/2017 9:13:17 AM	54.501	4.539	10.912	-0.242
6/23/2017 9:13:17 AM	55.001	4.540	10.913	-0.243
6/23/2017 9:13:18 AM	55.501	4.539	10.916	-0.242
6/23/2017 9:13:18 AM	56.001	4.544	10.895	-0.253
6/23/2017 9:13:19 AM	56.501	4.542	10.893	-0.249
6/23/2017 9:13:19 AM	57.001	4.542	10.933	-0.248
6/23/2017 9:13:20 AM	57.501	4.542	10.917	-0.249
6/23/2017 9:13:20 AM	58.001	4.540	10.883	-0.243
6/23/2017 9:13:21 AM	58.501	4.538	10.920	-0.240
6/23/2017 9:13:21 AM	59.001	4.539	10.925	-0.242
6/23/2017 9:13:22 AM	59.501	4.539	10.924	-0.241
6/23/2017 9:13:22 AM	60.001	4.539	10.919	-0.242
6/23/2017 9:13:23 AM	60.501	4.538	10.913	-0.238
6/23/2017 9:13:23 AM	61.001	4.538	10.897	-0.239
6/23/2017 9:13:24 AM	61.501	4.537	10.939	-0.237
6/23/2017 9:13:24 AM	62.001	4.536	10.942	-0.235
6/23/2017 9:13:25 AM	62.501	4.539	10.936	-0.240
6/23/2017 9:13:25 AM	63.001	4.538	10.923	-0.239
6/23/2017 9:13:26 AM	63.501	4.539	10.971	-0.241
6/23/2017 9:13:26 AM	64.001	4.536	10.937	-0.234
6/23/2017 9:13:27 AM	64.501	4.536	10.913	-0.235
6/23/2017 9:13:27 AM	65.001	4.537	10.929	-0.235
6/23/2017 9:13:28 AM	65.501	4.536	10.950	-0.234
6/23/2017 9:13:28 AM	66.001	4.538	10.919	-0.238
6/23/2017 9:13:29 AM	66.501	4.534	10.924	-0.229
6/23/2017 9:13:29 AM	67.001	4.536	10.863	-0.235
6/23/2017 9:13:30 AM	67.501	4.535	10.944	-0.233
6/23/2017 9:13:30 AM	68.001	4.535	10.903	-0.233
6/23/2017 9:13:31 AM	68.501	4.534	10.933	-0.230
6/23/2017 9:13:31 AM	69.001	4.533	10.913	-0.228
6/23/2017 9:13:32 AM	69.501	4.537	10.926	-0.237
6/23/2017 9:13:32 AM	70.001	4.534	10.918	-0.229
6/23/2017 9:13:33 AM	70.501	4.533	10.922	-0.228
6/23/2017 9:13:33 AM	71.001	4.530	10.898	-0.221
6/23/2017 9:13:34 AM	71.501	4.533	10.908	-0.227
6/23/2017 9:13:34 AM	72.001	4.533	10.913	-0.227
6/23/2017 9:13:35 AM	72.501	4.532	10.911	-0.225
6/23/2017 9:13:35 AM	73.001	4.530	10.924	-0.221
6/23/2017 9:13:36 AM	73.501	4.531	10.880	-0.223
6/23/2017 9:13:36 AM	74.001	4.531	10.949	-0.222
6/23/2017 9:13:37 AM	74.501	4.534	10.905	-0.230
6/23/2017 9:13:37 AM	75.001	4.529	10.920	-0.218
6/23/2017 9:13:38 AM	75.501	4.530	10.919	-0.220
6/23/2017 9:13:38 AM	76.001	4.529	10.924	-0.218
6/23/2017 9:13:39 AM	76.501	4.528	10.909	-0.216
6/23/2017 9:13:39 AM	77.025	4.528	10.899	-0.216
6/23/2017 9:13:40 AM	77.501	4.528	10.928	-0.216
6/23/2017 9:13:40 AM	78.001	4.530	10.947	-0.221
6/23/2017 9:13:41 AM	78.501	4.531	10.917	-0.223
6/23/2017 9:13:41 AM	79.001	4.529	10.911	-0.219
6/23/2017 9:13:42 AM	79.501	4.528	10.952	-0.216
6/23/2017 9:13:42 AM	80.001	4.532	10.932	-0.224
6/23/2017 9:13:43 AM	80.501	4.532	10.927	-0.225
6/23/2017 9:13:43 AM	81.001	4.528	10.921	-0.216
6/23/2017 9:13:44 AM	81.501	4.530	10.958	-0.221
6/23/2017 9:13:44 AM	82.001	4.526	10.956	-0.212
6/23/2017 9:13:45 AM	82.501	4.527	10.908	-0.214
6/23/2017 9:13:45 AM	83.001	4.525	10.923	-0.208

6/23/2017 9:13:46 AM	83.501	4.526	10.913	-0.211
6/23/2017 9:13:46 AM	84.001	4.526	10.918	-0.211
6/23/2017 9:13:47 AM	84.501	4.524	10.894	-0.207
6/23/2017 9:13:47 AM	85.001	4.526	10.913	-0.212
6/23/2017 9:13:48 AM	85.501	4.526	10.940	-0.212
6/23/2017 9:13:48 AM	86.001	4.527	10.928	-0.213
6/23/2017 9:13:49 AM	86.501	4.525	10.922	-0.208
6/23/2017 9:13:49 AM	87.001	4.526	10.919	-0.212
6/23/2017 9:13:50 AM	87.501	4.525	10.924	-0.210
6/23/2017 9:13:50 AM	88.001	4.524	10.933	-0.206
6/23/2017 9:13:51 AM	88.556	4.524	10.958	-0.207
6/23/2017 9:13:51 AM	89.001	4.525	10.919	-0.209
6/23/2017 9:13:52 AM	89.501	4.524	10.894	-0.208
6/23/2017 9:13:52 AM	90.001	4.523	10.931	-0.203
6/23/2017 9:13:53 AM	90.501	4.526	10.935	-0.211
6/23/2017 9:13:53 AM	91.001	4.523	10.911	-0.203
6/23/2017 9:13:54 AM	91.501	4.522	10.946	-0.202
6/23/2017 9:13:54 AM	92.001	4.522	10.924	-0.202
6/23/2017 9:13:55 AM	92.501	4.522	10.904	-0.201
6/23/2017 9:13:55 AM	93.001	4.524	10.934	-0.207
6/23/2017 9:13:56 AM	93.501	4.522	10.916	-0.201
6/23/2017 9:13:56 AM	94.001	4.523	10.900	-0.204
6/23/2017 9:13:57 AM	94.501	4.520	10.938	-0.197
6/23/2017 9:13:57 AM	95.001	4.521	10.894	-0.199
6/23/2017 9:13:58 AM	95.501	4.522	10.895	-0.203
6/23/2017 9:13:58 AM	96.001	4.522	10.902	-0.202
6/23/2017 9:13:59 AM	96.501	4.521	10.967	-0.200
6/23/2017 9:13:59 AM	97.001	4.522	10.921	-0.202
6/23/2017 9:14:00 AM	97.501	4.523	10.919	-0.203
6/23/2017 9:14:00 AM	98.001	4.521	10.922	-0.199
6/23/2017 9:14:01 AM	98.561	4.521	10.920	-0.199
6/23/2017 9:14:01 AM	99.001	4.520	10.927	-0.197
6/23/2017 9:14:02 AM	99.501	4.517	10.908	-0.191
6/23/2017 9:14:02 AM	100.001	4.523	10.943	-0.205
6/23/2017 9:14:03 AM	100.501	4.519	10.915	-0.196
6/23/2017 9:14:03 AM	101.001	4.522	10.909	-0.202
6/23/2017 9:14:04 AM	101.501	4.520	10.933	-0.197
6/23/2017 9:14:04 AM	102.001	4.521	10.922	-0.200
6/23/2017 9:14:05 AM	102.501	4.517	10.908	-0.191
6/23/2017 9:14:05 AM	103.001	4.519	10.912	-0.195
6/23/2017 9:14:06 AM	103.501	4.517	10.931	-0.190
6/23/2017 9:14:06 AM	104.001	4.519	10.949	-0.195
6/23/2017 9:14:07 AM	104.501	4.520	10.909	-0.197
6/23/2017 9:14:07 AM	105.001	4.517	10.932	-0.191
6/23/2017 9:14:08 AM	105.501	4.518	10.974	-0.193
6/23/2017 9:14:08 AM	106.001	4.517	10.929	-0.191
6/23/2017 9:14:09 AM	106.501	4.517	10.951	-0.191
6/23/2017 9:14:09 AM	107.001	4.516	10.955	-0.189
6/23/2017 9:14:10 AM	107.501	4.516	10.927	-0.188
6/23/2017 9:14:10 AM	108.001	4.517	10.932	-0.191
6/23/2017 9:14:11 AM	108.562	4.517	10.936	-0.190
6/23/2017 9:14:11 AM	109.001	4.518	10.918	-0.192
6/23/2017 9:14:12 AM	109.501	4.517	10.920	-0.190
6/23/2017 9:14:12 AM	110.001	4.518	10.951	-0.193
6/23/2017 9:14:13 AM	110.501	4.516	10.956	-0.188
6/23/2017 9:14:13 AM	111.001	4.513	10.929	-0.180
6/23/2017 9:14:14 AM	111.501	4.516	10.916	-0.189
6/23/2017 9:14:14 AM	112.001	4.513	10.913	-0.181
6/23/2017 9:14:15 AM	112.501	4.516	10.951	-0.188
6/23/2017 9:14:15 AM	113.001	4.514	10.927	-0.184
6/23/2017 9:14:16 AM	113.501	4.514	10.932	-0.184
6/23/2017 9:14:16 AM	114.001	4.513	10.945	-0.181
6/23/2017 9:14:17 AM	114.501	4.515	10.929	-0.185

6/23/2017 9:14:17 AM	115.001	4.514	10.922	-0.185
6/23/2017 9:14:18 AM	115.501	4.514	10.949	-0.183
6/23/2017 9:14:18 AM	116.001	4.515	10.932	-0.187
6/23/2017 9:14:19 AM	116.501	4.511	10.913	-0.177
6/23/2017 9:14:19 AM	117.001	4.513	10.931	-0.182
6/23/2017 9:14:20 AM	117.528	4.514	10.938	-0.183
6/23/2017 9:14:20 AM	118.001	4.512	10.933	-0.179
6/23/2017 9:14:21 AM	118.501	4.510	10.916	-0.175
6/23/2017 9:14:21 AM	119.001	4.513	10.937	-0.181
6/23/2017 9:14:22 AM	120.001	4.512	10.887	-0.178
6/23/2017 9:14:23 AM	121.001	4.513	10.934	-0.180
6/23/2017 9:14:24 AM	122.001	4.514	10.908	-0.184
6/23/2017 9:14:25 AM	123.001	4.511	10.919	-0.177
6/23/2017 9:14:26 AM	124.001	4.510	10.922	-0.173
6/23/2017 9:14:27 AM	125.001	4.512	10.939	-0.178
6/23/2017 9:14:28 AM	126.001	4.510	10.888	-0.174
6/23/2017 9:14:29 AM	127.001	4.510	10.883	-0.175
6/23/2017 9:14:30 AM	128.001	4.512	10.943	-0.178
6/23/2017 9:14:31 AM	129.001	4.510	10.924	-0.174
6/23/2017 9:14:32 AM	130.001	4.508	10.916	-0.169
6/23/2017 9:14:33 AM	131.001	4.509	10.924	-0.171
6/23/2017 9:14:34 AM	132.001	4.508	10.938	-0.169
6/23/2017 9:14:35 AM	133.001	4.506	10.907	-0.164
6/23/2017 9:14:36 AM	134.001	4.507	10.887	-0.168
6/23/2017 9:14:37 AM	135.001	4.505	10.912	-0.164
6/23/2017 9:14:38 AM	136.001	4.506	10.914	-0.166
6/23/2017 9:14:39 AM	137.001	4.505	10.928	-0.162
6/23/2017 9:14:40 AM	138.001	4.507	10.927	-0.168
6/23/2017 9:14:41 AM	139.001	4.507	10.883	-0.167
6/23/2017 9:14:42 AM	140.001	4.504	10.903	-0.160
6/23/2017 9:14:43 AM	141.001	4.508	10.938	-0.169
6/23/2017 9:14:44 AM	142.001	4.505	10.904	-0.162
6/23/2017 9:14:45 AM	143.001	4.506	10.902	-0.165
6/23/2017 9:14:46 AM	144.001	4.507	10.908	-0.166
6/23/2017 9:14:47 AM	145.001	4.503	10.888	-0.159
6/23/2017 9:14:48 AM	146.001	4.506	10.892	-0.165
6/23/2017 9:14:49 AM	147.001	4.503	10.911	-0.159
6/23/2017 9:14:50 AM	148.001	4.501	10.908	-0.153
6/23/2017 9:14:51 AM	149.001	4.502	10.907	-0.155
6/23/2017 9:14:52 AM	150.001	4.501	10.871	-0.155
6/23/2017 9:14:53 AM	151.001	4.500	10.903	-0.151
6/23/2017 9:14:54 AM	152.001	4.503	10.919	-0.157
6/23/2017 9:14:55 AM	153.001	4.502	10.930	-0.155
6/23/2017 9:14:56 AM	154.001	4.503	10.948	-0.159
6/23/2017 9:14:57 AM	155.001	4.501	10.921	-0.153
6/23/2017 9:14:58 AM	156.001	4.502	10.941	-0.156
6/23/2017 9:14:59 AM	157.001	4.501	10.913	-0.154
6/23/2017 9:15:00 AM	158.001	4.500	10.913	-0.151
6/23/2017 9:15:01 AM	159.001	4.500	10.904	-0.151
6/23/2017 9:15:02 AM	160.001	4.499	10.914	-0.148
6/23/2017 9:15:03 AM	161.001	4.502	10.913	-0.155
6/23/2017 9:15:04 AM	162.001	4.501	10.941	-0.154
6/23/2017 9:15:05 AM	163.001	4.499	10.910	-0.149
6/23/2017 9:15:06 AM	164.001	4.499	10.927	-0.148
6/23/2017 9:15:07 AM	165.001	4.499	10.924	-0.149
6/23/2017 9:15:08 AM	166.001	4.501	10.892	-0.153
6/23/2017 9:15:09 AM	167.001	4.498	10.893	-0.148
6/23/2017 9:15:10 AM	168.001	4.499	10.949	-0.148
6/23/2017 9:15:11 AM	169.001	4.498	10.912	-0.147
6/23/2017 9:15:12 AM	170.001	4.496	10.927	-0.142
6/23/2017 9:15:13 AM	171.001	4.497	10.941	-0.144
6/23/2017 9:15:14 AM	172.001	4.500	10.916	-0.152
6/23/2017 9:15:15 AM	173.001	4.495	10.918	-0.140

6/23/2017 9:15:16 AM	174.001	4.495	10.916	-0.139
6/23/2017 9:15:17 AM	175.001	4.498	10.930	-0.147
6/23/2017 9:15:18 AM	176.001	4.498	10.914	-0.147
6/23/2017 9:15:19 AM	177.001	4.499	10.904	-0.148
6/23/2017 9:15:20 AM	178.001	4.496	10.944	-0.142
6/23/2017 9:15:21 AM	179.001	4.495	10.931	-0.139
6/23/2017 9:15:22 AM	180.001	4.499	10.892	-0.149
6/23/2017 9:15:23 AM	181.001	4.498	10.913	-0.146
6/23/2017 9:15:24 AM	182.001	4.496	10.903	-0.143
6/23/2017 9:15:25 AM	183.001	4.495	10.913	-0.139
6/23/2017 9:15:26 AM	184.001	4.492	10.905	-0.132
6/23/2017 9:15:27 AM	185.001	4.496	10.916	-0.142
6/23/2017 9:15:28 AM	186.001	4.500	10.911	-0.150
6/23/2017 9:15:29 AM	187.001	4.502	10.918	-0.155
6/23/2017 9:15:30 AM	188.001	4.505	10.928	-0.163
6/23/2017 9:15:31 AM	189.001	4.511	10.908	-0.176
6/23/2017 9:15:32 AM	190.001	4.516	10.890	-0.189
6/23/2017 9:15:33 AM	191.001	4.520	10.936	-0.196
6/23/2017 9:15:34 AM	192.001	4.519	10.911	-0.195
6/23/2017 9:15:35 AM	193.001	4.521	10.915	-0.201
6/23/2017 9:15:36 AM	194.001	4.519	10.901	-0.196
6/23/2017 9:15:37 AM	195.001	4.523	10.915	-0.205
6/23/2017 9:15:38 AM	196.001	4.518	10.953	-0.193
6/23/2017 9:15:39 AM	197.001	4.516	10.913	-0.188
6/23/2017 9:15:40 AM	198.001	4.520	10.886	-0.197
6/23/2017 9:15:41 AM	199.001	4.519	10.936	-0.195
6/23/2017 9:15:42 AM	200.001	4.520	10.895	-0.197
6/23/2017 9:15:43 AM	201.001	4.517	10.893	-0.191
6/23/2017 9:15:44 AM	202.001	4.519	10.918	-0.195
6/23/2017 9:15:45 AM	203.001	4.519	10.883	-0.195
6/23/2017 9:15:46 AM	204.001	4.517	10.904	-0.192
6/23/2017 9:15:47 AM	205.001	4.515	10.899	-0.186
6/23/2017 9:15:48 AM	206.001	4.516	10.883	-0.188
6/23/2017 9:15:49 AM	207.001	4.520	10.913	-0.197
6/23/2017 9:15:50 AM	208.001	4.516	10.900	-0.188
6/23/2017 9:15:51 AM	209.001	4.517	10.914	-0.190
6/23/2017 9:15:52 AM	210.001	4.518	10.898	-0.192
6/23/2017 9:15:53 AM	211.001	4.517	10.930	-0.191
6/23/2017 9:15:54 AM	212.001	4.519	10.889	-0.195
6/23/2017 9:15:55 AM	213.001	4.514	10.888	-0.183
6/23/2017 9:15:56 AM	214.001	4.517	10.930	-0.191
6/23/2017 9:15:57 AM	215.001	4.516	10.874	-0.189
6/23/2017 9:15:58 AM	216.001	4.515	10.900	-0.185
6/23/2017 9:15:59 AM	217.001	4.517	10.922	-0.190
6/23/2017 9:16:00 AM	218.001	4.517	10.926	-0.191
6/23/2017 9:16:01 AM	219.001	4.518	10.916	-0.194
6/23/2017 9:16:02 AM	220.001	4.515	10.905	-0.185
6/23/2017 9:16:03 AM	221.001	4.517	10.909	-0.189
6/23/2017 9:16:04 AM	222.001	4.515	10.919	-0.185
6/23/2017 9:16:05 AM	223.001	4.515	10.905	-0.186
6/23/2017 9:16:06 AM	224.001	4.518	10.872	-0.192
6/23/2017 9:16:07 AM	225.001	4.518	10.933	-0.194
6/23/2017 9:16:08 AM	226.001	4.517	10.874	-0.191
6/23/2017 9:16:09 AM	227.001	4.515	10.904	-0.185
6/23/2017 9:16:10 AM	228.001	4.513	10.905	-0.182
6/23/2017 9:16:11 AM	229.001	4.518	10.901	-0.193
6/23/2017 9:16:12 AM	230.001	4.517	10.931	-0.190
6/23/2017 9:16:13 AM	231.001	4.514	10.912	-0.183
6/23/2017 9:16:14 AM	232.001	4.518	10.923	-0.192
6/23/2017 9:16:15 AM	233.001	4.514	10.901	-0.184
6/23/2017 9:16:16 AM	234.001	4.516	10.898	-0.187
6/23/2017 9:16:17 AM	235.001	4.516	10.915	-0.187
6/23/2017 9:16:18 AM	236.001	4.516	10.905	-0.188

6/23/2017 9:16:19 AM	237.001	4.514	10.901	-0.183
6/23/2017 9:16:20 AM	238.001	4.514	10.897	-0.182
6/23/2017 9:16:21 AM	239.001	4.515	10.933	-0.186
6/23/2017 9:16:22 AM	240.001	4.515	10.937	-0.186
6/23/2017 9:16:23 AM	241.001	4.516	10.888	-0.189
6/23/2017 9:16:24 AM	242.001	4.514	10.902	-0.183
6/23/2017 9:16:25 AM	243.001	4.515	10.902	-0.185
6/23/2017 9:16:26 AM	244.001	4.513	10.869	-0.182
6/23/2017 9:16:27 AM	245.001	4.513	10.945	-0.182
6/23/2017 9:16:28 AM	246.001	4.514	10.919	-0.183
6/23/2017 9:16:29 AM	247.001	4.515	10.936	-0.185
6/23/2017 9:16:30 AM	248.001	4.515	10.899	-0.186
6/23/2017 9:16:31 AM	249.001	4.514	10.944	-0.183
6/23/2017 9:16:32 AM	250.001	4.513	10.926	-0.182
6/23/2017 9:16:33 AM	251.001	4.511	10.902	-0.177
6/23/2017 9:16:34 AM	252.001	4.514	10.913	-0.184
6/23/2017 9:16:35 AM	253.001	4.513	10.920	-0.181
6/23/2017 9:16:36 AM	254.001	4.515	10.875	-0.185
6/23/2017 9:16:37 AM	255.001	4.513	10.915	-0.182
6/23/2017 9:16:38 AM	256.001	4.514	10.898	-0.183
6/23/2017 9:16:39 AM	257.001	4.514	10.922	-0.183
6/23/2017 9:16:40 AM	258.001	4.512	10.914	-0.180
6/23/2017 9:16:41 AM	259.001	4.513	10.898	-0.181
6/23/2017 9:16:42 AM	260.001	4.511	10.951	-0.177
6/23/2017 9:16:43 AM	261.001	4.515	10.925	-0.185
6/23/2017 9:16:44 AM	262.001	4.513	10.883	-0.182
6/23/2017 9:16:45 AM	263.001	4.512	10.909	-0.179
6/23/2017 9:16:46 AM	264.001	4.513	10.916	-0.180
6/23/2017 9:16:47 AM	265.001	4.514	10.909	-0.184
6/23/2017 9:16:48 AM	266.001	4.515	10.909	-0.186
6/23/2017 9:16:49 AM	267.001	4.512	10.907	-0.179
6/23/2017 9:16:50 AM	268.001	4.514	10.879	-0.184
6/23/2017 9:16:51 AM	269.001	4.512	10.927	-0.180
6/23/2017 9:16:52 AM	270.001	4.511	10.924	-0.176
6/23/2017 9:16:53 AM	271.001	4.511	10.911	-0.176
6/23/2017 9:16:54 AM	272.001	4.512	10.916	-0.179
6/23/2017 9:16:55 AM	273.001	4.513	10.924	-0.181
6/23/2017 9:16:56 AM	274.001	4.514	10.910	-0.183
6/23/2017 9:16:57 AM	275.001	4.512	10.908	-0.180
6/23/2017 9:16:58 AM	276.001	4.510	10.901	-0.174
6/23/2017 9:16:59 AM	277.001	4.513	10.923	-0.181
6/23/2017 9:17:00 AM	278.001	4.514	10.938	-0.184
6/23/2017 9:17:01 AM	279.001	4.512	10.922	-0.180
6/23/2017 9:17:02 AM	280.001	4.511	10.908	-0.176
6/23/2017 9:17:03 AM	281.001	4.512	10.924	-0.180
6/23/2017 9:17:04 AM	282.001	4.511	10.891	-0.177
6/23/2017 9:17:05 AM	283.001	4.510	10.888	-0.175
6/23/2017 9:17:06 AM	284.001	4.512	10.924	-0.179
6/23/2017 9:17:07 AM	285.001	4.513	10.877	-0.182
6/23/2017 9:17:08 AM	286.001	4.510	10.922	-0.175
6/23/2017 9:17:09 AM	287.001	4.513	10.900	-0.181
6/23/2017 9:17:10 AM	288.001	4.511	10.905	-0.177
6/23/2017 9:17:11 AM	289.001	4.511	10.942	-0.177
6/23/2017 9:17:12 AM	290.001	4.508	10.889	-0.169
6/23/2017 9:17:13 AM	291.001	4.511	10.889	-0.177
6/23/2017 9:17:14 AM	292.001	4.511	10.913	-0.177
6/23/2017 9:17:15 AM	293.001	4.508	10.888	-0.170
6/23/2017 9:17:16 AM	294.001	4.511	10.895	-0.177
6/23/2017 9:17:17 AM	295.001	4.510	10.927	-0.174
6/23/2017 9:17:18 AM	296.001	4.509	10.932	-0.172
6/23/2017 9:17:19 AM	297.001	4.508	10.905	-0.170
6/23/2017 9:17:20 AM	298.001	4.508	10.905	-0.170
6/23/2017 9:17:21 AM	299.001	4.512	10.909	-0.179

6/23/2017 9:17:22 AM	300.001	4.510	10.926	-0.174
6/23/2017 9:17:23 AM	301.001	4.509	10.908	-0.172
6/23/2017 9:17:24 AM	302.001	4.510	10.900	-0.174
6/23/2017 9:17:25 AM	303.001	4.511	10.908	-0.176
6/23/2017 9:17:26 AM	304.001	4.508	10.897	-0.169
6/23/2017 9:17:27 AM	305.001	4.508	10.914	-0.170
6/23/2017 9:17:28 AM	306.001	4.508	10.905	-0.170
6/23/2017 9:17:29 AM	307.001	4.509	10.895	-0.172
6/23/2017 9:17:30 AM	308.001	4.509	10.909	-0.173
6/23/2017 9:17:31 AM	309.001	4.510	10.924	-0.175
6/23/2017 9:17:32 AM	310.001	4.509	10.903	-0.173
6/23/2017 9:17:33 AM	311.001	4.510	10.911	-0.173
6/23/2017 9:17:34 AM	312.001	4.508	10.908	-0.170
6/23/2017 9:17:35 AM	313.001	4.506	10.929	-0.165
6/23/2017 9:17:36 AM	314.001	4.510	10.929	-0.173
6/23/2017 9:17:37 AM	315.001	4.509	10.897	-0.172
6/23/2017 9:17:38 AM	316.001	4.509	10.877	-0.172
6/23/2017 9:17:39 AM	317.001	4.506	10.911	-0.166
6/23/2017 9:17:40 AM	318.001	4.509	10.936	-0.172
6/23/2017 9:17:41 AM	319.001	4.505	10.923	-0.163
6/23/2017 9:17:42 AM	320.001	4.506	10.898	-0.164
6/23/2017 9:17:43 AM	321.001	4.507	10.894	-0.167
6/23/2017 9:17:44 AM	322.001	4.507	10.912	-0.167
6/23/2017 9:17:45 AM	323.001	4.509	10.902	-0.171
6/23/2017 9:17:46 AM	324.001	4.507	10.905	-0.167
6/23/2017 9:17:47 AM	325.001	4.509	10.904	-0.172
6/23/2017 9:17:48 AM	326.001	4.510	10.882	-0.173
6/23/2017 9:17:49 AM	327.001	4.507	10.904	-0.168
6/23/2017 9:17:50 AM	328.001	4.510	10.922	-0.174
6/23/2017 9:17:51 AM	329.001	4.507	10.924	-0.167
6/23/2017 9:17:52 AM	330.001	4.509	10.922	-0.172
6/23/2017 9:17:53 AM	331.001	4.505	10.924	-0.163
6/23/2017 9:17:54 AM	332.001	4.506	10.913	-0.164
6/23/2017 9:17:55 AM	333.001	4.508	10.897	-0.169
6/23/2017 9:17:56 AM	334.001	4.507	10.914	-0.168
6/23/2017 9:17:57 AM	335.001	4.506	10.899	-0.164
6/23/2017 9:17:58 AM	336.001	4.509	10.888	-0.171
6/23/2017 9:17:59 AM	337.001	4.507	10.905	-0.168
6/23/2017 9:18:00 AM	338.001	4.508	10.918	-0.169
6/23/2017 9:18:01 AM	339.001	4.509	10.915	-0.173
6/23/2017 9:18:02 AM	340.001	4.507	10.900	-0.166
6/23/2017 9:18:03 AM	341.001	4.507	10.930	-0.167
6/23/2017 9:18:04 AM	342.001	4.507	10.897	-0.167
6/23/2017 9:18:05 AM	343.001	4.507	10.897	-0.166
6/23/2017 9:18:06 AM	344.001	4.503	10.884	-0.158
6/23/2017 9:18:07 AM	345.001	4.505	10.883	-0.163
6/23/2017 9:18:08 AM	346.001	4.508	10.868	-0.169
6/23/2017 9:18:09 AM	347.001	4.506	10.893	-0.166
6/23/2017 9:18:10 AM	348.001	4.503	10.907	-0.159
6/23/2017 9:18:11 AM	349.001	4.507	10.891	-0.167
6/23/2017 9:18:12 AM	350.001	4.505	10.925	-0.163
6/23/2017 9:18:13 AM	351.001	4.506	10.906	-0.165
6/23/2017 9:18:14 AM	352.001	4.504	10.885	-0.161
6/23/2017 9:18:15 AM	353.001	4.505	10.912	-0.162
6/23/2017 9:18:16 AM	354.001	4.505	10.919	-0.162
6/23/2017 9:18:17 AM	355.001	4.505	10.906	-0.162
6/23/2017 9:18:18 AM	356.001	4.505	10.922	-0.162
6/23/2017 9:18:19 AM	357.001	4.502	10.860	-0.157
6/23/2017 9:18:20 AM	358.001	4.505	10.914	-0.162
6/23/2017 9:18:21 AM	359.001	4.505	10.914	-0.163
6/23/2017 9:18:22 AM	360.001	4.503	10.908	-0.157
6/23/2017 9:18:23 AM	361.001	4.506	10.899	-0.165
6/23/2017 9:18:24 AM	362.001	4.503	10.906	-0.159

6/23/2017 9:18:25 AM	363.001	4.505	10.917	-0.162
6/23/2017 9:18:26 AM	364.001	4.502	10.898	-0.157
6/23/2017 9:18:27 AM	365.001	4.503	10.898	-0.158
6/23/2017 9:18:28 AM	366.001	4.504	10.899	-0.160
6/23/2017 9:18:29 AM	367.001	4.506	10.879	-0.164
6/23/2017 9:18:30 AM	368.001	4.504	10.922	-0.161
6/23/2017 9:18:31 AM	369.001	4.504	10.900	-0.159
6/23/2017 9:18:32 AM	370.001	4.502	10.904	-0.156
6/23/2017 9:18:33 AM	371.001	4.505	10.892	-0.162
6/23/2017 9:18:34 AM	372.001	4.504	10.893	-0.161
6/23/2017 9:18:35 AM	373.001	4.503	10.923	-0.157
6/23/2017 9:18:36 AM	374.001	4.502	10.891	-0.156
6/23/2017 9:18:37 AM	375.001	4.501	10.904	-0.154
6/23/2017 9:18:38 AM	376.001	4.504	10.927	-0.161
6/23/2017 9:18:39 AM	377.001	4.502	10.899	-0.157
6/23/2017 9:18:40 AM	378.001	4.506	10.912	-0.165
6/23/2017 9:18:41 AM	379.001	4.504	10.919	-0.160
6/23/2017 9:18:42 AM	380.001	4.502	10.902	-0.156
6/23/2017 9:18:43 AM	381.001	4.505	10.949	-0.162
6/23/2017 9:18:44 AM	382.001	4.502	10.907	-0.155
6/23/2017 9:18:45 AM	383.001	4.503	10.893	-0.158
6/23/2017 9:18:46 AM	384.001	4.504	10.891	-0.161
6/23/2017 9:18:47 AM	385.001	4.503	10.894	-0.157
6/23/2017 9:18:48 AM	386.001	4.504	10.913	-0.159
6/23/2017 9:18:49 AM	387.001	4.503	10.899	-0.158
6/23/2017 9:18:50 AM	388.001	4.504	10.891	-0.162
6/23/2017 9:18:51 AM	389.001	4.501	10.929	-0.154
6/23/2017 9:18:52 AM	390.001	4.504	10.935	-0.161
6/23/2017 9:18:53 AM	391.001	4.502	10.894	-0.155
6/23/2017 9:18:54 AM	392.001	4.503	10.913	-0.157
6/23/2017 9:18:55 AM	393.001	4.504	10.900	-0.160
6/23/2017 9:18:56 AM	394.001	4.502	10.898	-0.157
6/23/2017 9:18:57 AM	395.001	4.504	10.928	-0.160
6/23/2017 9:18:58 AM	396.001	4.503	10.912	-0.157
6/23/2017 9:18:59 AM	397.001	4.504	10.923	-0.161
6/23/2017 9:19:00 AM	398.001	4.504	10.902	-0.159
6/23/2017 9:19:01 AM	399.001	4.503	10.900	-0.157
6/23/2017 9:19:02 AM	400.001	4.504	10.919	-0.159
6/23/2017 9:19:03 AM	401.001	4.503	10.932	-0.159
6/23/2017 9:19:04 AM	402.029	4.505	10.908	-0.163
6/23/2017 9:19:05 AM	403.001	4.501	10.908	-0.154
6/23/2017 9:19:06 AM	404.001	4.501	10.893	-0.154
6/23/2017 9:19:07 AM	405.001	4.500	10.923	-0.152
6/23/2017 9:19:08 AM	406.001	4.501	10.899	-0.154
6/23/2017 9:19:09 AM	407.001	4.500	10.883	-0.152
6/23/2017 9:19:10 AM	408.001	4.500	10.891	-0.151
6/23/2017 9:19:11 AM	409.001	4.501	10.927	-0.154
6/23/2017 9:19:12 AM	410.001	4.502	10.933	-0.157
6/23/2017 9:19:13 AM	411.001	4.501	10.926	-0.154
6/23/2017 9:19:14 AM	412.001	4.504	10.899	-0.161
6/23/2017 9:19:15 AM	413.001	4.501	10.926	-0.153
6/23/2017 9:19:16 AM	414.001	4.503	10.936	-0.158
6/23/2017 9:19:17 AM	415.001	4.502	10.905	-0.157
6/23/2017 9:19:18 AM	416.001	4.501	10.871	-0.154
6/23/2017 9:19:19 AM	417.001	4.501	10.891	-0.153
6/23/2017 9:19:20 AM	418.001	4.503	10.936	-0.159
6/23/2017 9:19:21 AM	419.001	4.501	10.901	-0.152
6/23/2017 9:19:22 AM	420.001	4.499	10.894	-0.148
6/23/2017 9:19:23 AM	421.001	4.499	10.907	-0.148
6/23/2017 9:19:24 AM	422.001	4.501	10.934	-0.153
6/23/2017 9:19:25 AM	423.001	4.502	10.913	-0.155
6/23/2017 9:19:26 AM	424.001	4.501	10.885	-0.153
6/23/2017 9:19:27 AM	425.001	4.501	10.915	-0.153

6/23/2017 9:19:28 AM	426.001	4.500	10.899	-0.151
6/23/2017 9:19:29 AM	427.001	4.502	10.886	-0.155
6/23/2017 9:19:30 AM	428.002	4.503	10.895	-0.158
6/23/2017 9:19:31 AM	429.038	4.500	10.947	-0.152
6/23/2017 9:19:32 AM	430.001	4.499	10.978	-0.148
6/23/2017 9:19:33 AM	431.001	4.497	10.870	-0.145
6/23/2017 9:19:34 AM	432.001	4.501	10.924	-0.153
6/23/2017 9:19:35 AM	433.001	4.500	10.910	-0.151
6/23/2017 9:19:36 AM	434.001	4.502	10.919	-0.156
6/23/2017 9:19:37 AM	435.146	4.503	10.901	-0.159
6/23/2017 9:19:38 AM	436.001	4.501	10.944	-0.154
6/23/2017 9:19:39 AM	437.001	4.498	10.941	-0.148
6/23/2017 9:19:40 AM	438.001	4.496	10.941	-0.143
6/23/2017 9:19:41 AM	439.100	4.500	10.947	-0.151
6/23/2017 9:19:42 AM	440.001	4.501	10.919	-0.153
6/23/2017 9:19:43 AM	441.001	4.499	10.919	-0.150
6/23/2017 9:19:44 AM	442.001	4.498	10.924	-0.148
6/23/2017 9:19:45 AM	443.001	4.497	10.881	-0.143
6/23/2017 9:19:46 AM	444.001	4.499	10.938	-0.149
6/23/2017 9:19:47 AM	445.001	4.499	10.902	-0.149
6/23/2017 9:19:48 AM	446.001	4.499	10.909	-0.150
6/23/2017 9:19:49 AM	447.001	4.500	10.917	-0.152
6/23/2017 9:19:50 AM	448.001	4.499	10.934	-0.148
6/23/2017 9:19:51 AM	449.001	4.500	10.888	-0.151
6/23/2017 9:19:52 AM	450.001	4.501	10.902	-0.153
6/23/2017 9:19:53 AM	451.001	4.499	10.920	-0.149
6/23/2017 9:19:54 AM	452.001	4.501	10.919	-0.154
6/23/2017 9:19:55 AM	453.001	4.499	10.869	-0.149
6/23/2017 9:19:56 AM	454.001	4.500	10.926	-0.151
6/23/2017 9:19:57 AM	455.001	4.503	10.907	-0.158
6/23/2017 9:19:58 AM	456.001	4.499	10.892	-0.148
6/23/2017 9:19:59 AM	457.001	4.498	10.894	-0.147
6/23/2017 9:20:00 AM	458.001	4.501	10.897	-0.153
6/23/2017 9:20:01 AM	459.001	4.498	10.899	-0.146
6/23/2017 9:20:02 AM	460.001	4.499	10.897	-0.149
6/23/2017 9:20:03 AM	461.001	4.500	10.862	-0.151
6/23/2017 9:20:04 AM	462.001	4.500	10.867	-0.150
6/23/2017 9:20:05 AM	463.001	4.500	10.902	-0.151
6/23/2017 9:20:06 AM	464.001	4.502	10.906	-0.157
6/23/2017 9:20:07 AM	465.001	4.499	10.920	-0.149
6/23/2017 9:20:08 AM	466.002	4.498	10.924	-0.147
6/23/2017 9:20:09 AM	467.002	4.499	10.919	-0.149
6/23/2017 9:20:10 AM	468.002	4.500	10.902	-0.151
6/23/2017 9:20:11 AM	469.002	4.497	10.927	-0.145
6/23/2017 9:20:12 AM	470.002	4.497	10.928	-0.144
6/23/2017 9:20:13 AM	471.001	4.497	10.899	-0.144
6/23/2017 9:20:14 AM	472.001	4.499	10.908	-0.150
6/23/2017 9:20:15 AM	473.001	4.496	10.906	-0.141
6/23/2017 9:20:16 AM	474.001	4.499	10.912	-0.150
6/23/2017 9:20:17 AM	475.001	4.499	10.908	-0.149
6/23/2017 9:20:18 AM	476.001	4.499	10.913	-0.149
6/23/2017 9:20:19 AM	477.001	4.499	10.905	-0.150
6/23/2017 9:20:20 AM	478.001	4.498	10.937	-0.147
6/23/2017 9:20:21 AM	479.001	4.499	10.876	-0.149
6/23/2017 9:20:22 AM	480.001	4.498	10.889	-0.146
6/23/2017 9:20:23 AM	481.001	4.499	10.918	-0.150
6/23/2017 9:20:24 AM	482.001	4.496	10.911	-0.142
6/23/2017 9:20:25 AM	483.001	4.500	10.903	-0.152
6/23/2017 9:20:26 AM	484.001	4.496	10.899	-0.142
6/23/2017 9:20:27 AM	485.001	4.499	10.899	-0.148
6/23/2017 9:20:28 AM	486.001	4.497	10.862	-0.145
6/23/2017 9:20:29 AM	487.001	4.497	10.892	-0.144
6/23/2017 9:20:30 AM	488.001	4.496	10.897	-0.141

6/23/2017 9:20:31 AM	489.001	4.498	10.925	-0.147
6/23/2017 9:20:32 AM	490.001	4.497	10.897	-0.143
6/23/2017 9:20:33 AM	491.001	4.494	10.907	-0.136
6/23/2017 9:20:34 AM	492.001	4.495	10.888	-0.140
6/23/2017 9:20:35 AM	493.001	4.498	10.899	-0.146
6/23/2017 9:20:36 AM	494.001	4.498	10.915	-0.146
6/23/2017 9:20:37 AM	495.001	4.496	10.917	-0.141
6/23/2017 9:20:38 AM	496.001	4.499	10.902	-0.148
6/23/2017 9:20:39 AM	497.001	4.498	10.897	-0.148
6/23/2017 9:20:40 AM	498.001	4.499	10.899	-0.148
6/23/2017 9:20:41 AM	499.001	4.495	10.891	-0.140
6/23/2017 9:20:42 AM	500.001	4.497	10.911	-0.145
6/23/2017 9:20:43 AM	501.001	4.498	10.872	-0.147
6/23/2017 9:20:44 AM	502.001	4.496	10.902	-0.141
6/23/2017 9:20:45 AM	503.001	4.497	10.905	-0.145
6/23/2017 9:20:46 AM	504.001	4.498	10.907	-0.147
6/23/2017 9:20:47 AM	505.001	4.497	10.896	-0.144
6/23/2017 9:20:48 AM	506.001	4.494	10.911	-0.138
6/23/2017 9:20:49 AM	507.001	4.496	10.924	-0.142
6/23/2017 9:20:50 AM	508.001	4.498	10.894	-0.146
6/23/2017 9:20:51 AM	509.001	4.498	10.932	-0.146
6/23/2017 9:20:52 AM	510.001	4.499	10.943	-0.149
6/23/2017 9:20:53 AM	511.001	4.495	10.911	-0.139
6/23/2017 9:20:54 AM	512.001	4.497	10.911	-0.144
6/23/2017 9:20:55 AM	513.001	4.497	10.870	-0.145
6/23/2017 9:20:56 AM	514.001	4.494	10.922	-0.137
6/23/2017 9:20:57 AM	515.001	4.496	10.916	-0.142
6/23/2017 9:20:58 AM	516.001	4.498	10.913	-0.146
6/23/2017 9:20:59 AM	517.001	4.497	10.886	-0.144
6/23/2017 9:21:00 AM	518.001	4.497	10.905	-0.143
6/23/2017 9:21:01 AM	519.001	4.497	10.905	-0.144
6/23/2017 9:21:02 AM	520.001	4.495	10.871	-0.140
6/23/2017 9:21:03 AM	521.001	4.495	10.900	-0.140
6/23/2017 9:21:04 AM	522.001	4.494	10.919	-0.136
6/23/2017 9:21:05 AM	523.001	4.496	10.908	-0.141
6/23/2017 9:21:06 AM	524.001	4.494	10.913	-0.138
6/23/2017 9:21:07 AM	525.001	4.495	10.918	-0.140
6/23/2017 9:21:08 AM	526.001	4.498	10.883	-0.146
6/23/2017 9:21:09 AM	527.001	4.497	10.860	-0.145
6/23/2017 9:21:10 AM	528.001	4.496	10.913	-0.143
6/23/2017 9:21:11 AM	529.002	4.497	10.902	-0.143
6/23/2017 9:21:12 AM	530.002	4.496	10.881	-0.143
6/23/2017 9:21:13 AM	531.002	4.494	10.916	-0.138
6/23/2017 9:21:14 AM	532.002	4.498	10.909	-0.146
6/23/2017 9:21:15 AM	533.002	4.495	10.877	-0.140
6/23/2017 9:21:16 AM	534.002	4.497	10.910	-0.143
6/23/2017 9:21:17 AM	535.001	4.495	10.902	-0.140
6/23/2017 9:21:18 AM	536.001	4.496	10.872	-0.142
6/23/2017 9:21:19 AM	537.001	4.494	10.923	-0.137
6/23/2017 9:21:20 AM	538.001	4.497	10.877	-0.143
6/23/2017 9:21:21 AM	539.001	4.494	10.889	-0.137
6/23/2017 9:21:22 AM	540.001	4.494	10.896	-0.137
6/23/2017 9:21:23 AM	541.001	4.494	10.887	-0.137
6/23/2017 9:21:24 AM	542.001	4.496	10.895	-0.141
6/23/2017 9:21:25 AM	543.001	4.497	10.938	-0.144
6/23/2017 9:21:26 AM	544.001	4.495	10.911	-0.139
6/23/2017 9:21:27 AM	545.001	4.495	10.930	-0.139
6/23/2017 9:21:28 AM	546.001	4.497	10.880	-0.144
6/23/2017 9:21:29 AM	547.001	4.497	10.889	-0.144
6/23/2017 9:21:30 AM	548.001	4.495	10.905	-0.140
6/23/2017 9:21:31 AM	549.001	4.497	10.878	-0.145
6/23/2017 9:21:32 AM	550.001	4.496	10.904	-0.143
6/23/2017 9:21:33 AM	551.001	4.496	10.863	-0.143

6/23/2017 9:21:34 AM	552.001	4.496	10.876	-0.142
6/23/2017 9:21:35 AM	553.001	4.494	10.873	-0.137
6/23/2017 9:21:36 AM	554.001	4.498	10.920	-0.146
6/23/2017 9:21:37 AM	555.001	4.492	10.883	-0.132
6/23/2017 9:21:38 AM	556.001	4.494	10.920	-0.138
6/23/2017 9:21:39 AM	557.001	4.496	10.910	-0.143
6/23/2017 9:21:40 AM	558.001	4.493	10.882	-0.135
6/23/2017 9:21:41 AM	559.001	4.496	10.894	-0.142
6/23/2017 9:21:42 AM	560.001	4.493	10.899	-0.136
6/23/2017 9:21:43 AM	561.001	4.492	10.901	-0.134
6/23/2017 9:21:44 AM	562.001	4.495	10.884	-0.140
6/23/2017 9:21:45 AM	563.001	4.495	10.899	-0.139
6/23/2017 9:21:46 AM	564.001	4.493	10.889	-0.135
6/23/2017 9:21:47 AM	565.001	4.495	10.911	-0.139
6/23/2017 9:21:48 AM	566.001	4.491	10.885	-0.131
6/23/2017 9:21:49 AM	567.001	4.492	10.907	-0.133
6/23/2017 9:21:50 AM	568.001	4.496	10.929	-0.143
6/23/2017 9:21:51 AM	569.001	4.494	10.922	-0.138
6/23/2017 9:21:52 AM	570.001	4.495	10.888	-0.139
6/23/2017 9:21:53 AM	571.001	4.494	10.919	-0.138
6/23/2017 9:21:54 AM	572.001	4.491	10.876	-0.132
6/23/2017 9:21:55 AM	573.001	4.494	10.900	-0.138
6/23/2017 9:21:56 AM	574.001	4.495	10.884	-0.140
6/23/2017 9:21:57 AM	575.001	4.495	10.894	-0.139
6/23/2017 9:21:58 AM	576.001	4.495	10.905	-0.139
6/23/2017 9:21:59 AM	577.001	4.495	10.873	-0.139
6/23/2017 9:22:00 AM	578.001	4.498	10.905	-0.147
6/23/2017 9:22:01 AM	579.001	4.495	10.891	-0.141
6/23/2017 9:22:02 AM	580.001	4.496	10.890	-0.141
6/23/2017 9:22:03 AM	581.001	4.493	10.896	-0.135
6/23/2017 9:22:04 AM	582.001	4.493	10.874	-0.135
6/23/2017 9:22:05 AM	583.001	4.494	10.902	-0.137
6/23/2017 9:22:06 AM	584.001	4.493	10.884	-0.135
6/23/2017 9:22:07 AM	585.001	4.493	10.862	-0.136
6/23/2017 9:22:08 AM	586.001	4.492	10.907	-0.134
6/23/2017 9:22:09 AM	587.001	4.492	10.892	-0.133
6/23/2017 9:22:10 AM	588.001	4.496	10.904	-0.142
6/23/2017 9:22:11 AM	589.001	4.493	10.895	-0.136
6/23/2017 9:22:12 AM	590.001	4.493	10.894	-0.136
6/23/2017 9:22:13 AM	591.001	4.494	10.881	-0.136
6/23/2017 9:22:14 AM	592.001	4.492	10.873	-0.133
6/23/2017 9:22:15 AM	593.001	4.493	10.911	-0.135
6/23/2017 9:22:16 AM	594.001	4.493	10.867	-0.135
6/23/2017 9:22:17 AM	595.001	4.493	10.887	-0.135
6/23/2017 9:22:18 AM	596.001	4.490	10.903	-0.129
6/23/2017 9:22:19 AM	597.001	4.494	10.883	-0.138
6/23/2017 9:22:20 AM	598.001	4.494	10.891	-0.138
6/23/2017 9:22:21 AM	599.001	4.493	10.896	-0.136
6/23/2017 9:22:22 AM	600.001	4.493	10.900	-0.136
6/23/2017 9:22:23 AM	601.001	4.493	10.891	-0.136
6/23/2017 9:22:24 AM	602.001	4.494	10.879	-0.137
6/23/2017 9:22:25 AM	603.001	4.493	10.900	-0.134
6/23/2017 9:22:26 AM	604.001	4.491	10.866	-0.129
6/23/2017 9:22:27 AM	605.024	4.493	10.879	-0.135
6/23/2017 9:22:28 AM	606.001	4.492	10.890	-0.133
6/23/2017 9:22:29 AM	607.001	4.493	10.883	-0.135
6/23/2017 9:22:30 AM	608.001	4.492	10.906	-0.133
6/23/2017 9:22:31 AM	609.001	4.491	10.874	-0.131
6/23/2017 9:22:32 AM	610.001	4.492	10.860	-0.134
6/23/2017 9:22:33 AM	611.001	4.491	10.907	-0.130
6/23/2017 9:22:34 AM	612.001	4.491	10.899	-0.130
6/23/2017 9:22:35 AM	613.001	4.494	10.890	-0.137
6/23/2017 9:22:36 AM	614.001	4.494	10.878	-0.137

6/23/2017 9:22:37 AM	615.001	4.493	10.922	-0.136
6/23/2017 9:22:38 AM	616.001	4.494	10.847	-0.138
6/23/2017 9:22:39 AM	617.001	4.495	10.876	-0.139
6/23/2017 9:22:40 AM	618.002	4.494	10.892	-0.136
6/23/2017 9:22:41 AM	619.002	4.493	10.916	-0.134
6/23/2017 9:22:42 AM	620.002	4.493	10.886	-0.136
6/23/2017 9:22:43 AM	621.002	4.490	10.899	-0.128
6/23/2017 9:22:44 AM	622.002	4.493	10.875	-0.134
6/23/2017 9:22:45 AM	623.001	4.495	10.885	-0.139
6/23/2017 9:22:46 AM	624.001	4.492	10.874	-0.133
6/23/2017 9:22:47 AM	625.001	4.492	10.873	-0.134
6/23/2017 9:22:48 AM	626.001	4.490	10.903	-0.128
6/23/2017 9:22:49 AM	627.001	4.493	10.910	-0.136
6/23/2017 9:22:50 AM	628.001	4.489	10.876	-0.127
6/23/2017 9:22:51 AM	629.001	4.491	10.901	-0.130
6/23/2017 9:22:52 AM	630.001	4.493	10.882	-0.135
6/23/2017 9:22:53 AM	631.001	4.493	10.892	-0.135
6/23/2017 9:22:54 AM	632.001	4.492	10.877	-0.133
6/23/2017 9:22:55 AM	633.001	4.489	10.890	-0.126
6/23/2017 9:22:56 AM	634.001	4.495	10.908	-0.140
6/23/2017 9:22:57 AM	635.001	4.493	10.880	-0.134
6/23/2017 9:22:58 AM	636.001	4.491	10.892	-0.131
6/23/2017 9:22:59 AM	637.001	4.492	10.899	-0.133
6/23/2017 9:23:00 AM	638.001	4.493	10.881	-0.135
6/23/2017 9:23:01 AM	639.001	4.492	10.874	-0.132
6/23/2017 9:23:02 AM	640.001	4.493	10.867	-0.134
6/23/2017 9:23:03 AM	641.001	4.495	10.863	-0.140
6/23/2017 9:23:04 AM	642.001	4.491	10.889	-0.130
6/23/2017 9:23:05 AM	643.001	4.492	10.877	-0.133
6/23/2017 9:23:06 AM	644.001	4.492	10.922	-0.132
6/23/2017 9:23:07 AM	645.001	4.492	10.890	-0.133
6/23/2017 9:23:08 AM	646.001	4.492	10.888	-0.133
6/23/2017 9:23:09 AM	647.001	4.490	10.891	-0.128
6/23/2017 9:23:10 AM	648.001	4.488	10.894	-0.124
6/23/2017 9:23:11 AM	649.001	4.494	10.919	-0.137
6/23/2017 9:23:12 AM	650.001	4.492	10.913	-0.132
6/23/2017 9:23:13 AM	651.001	4.490	10.894	-0.129
6/23/2017 9:23:14 AM	652.001	4.493	10.872	-0.134
6/23/2017 9:23:15 AM	653.001	4.490	10.886	-0.129
6/23/2017 9:23:16 AM	654.001	4.493	10.912	-0.135
6/23/2017 9:23:17 AM	655.001	4.490	10.887	-0.129
6/23/2017 9:23:18 AM	656.001	4.489	10.868	-0.125
6/23/2017 9:23:19 AM	657.001	4.491	10.876	-0.130
6/23/2017 9:23:20 AM	658.001	4.489	10.872	-0.127
6/23/2017 9:23:21 AM	659.001	4.493	10.873	-0.136
6/23/2017 9:23:22 AM	660.001	4.488	10.899	-0.124
6/23/2017 9:23:23 AM	661.001	4.491	10.903	-0.130
6/23/2017 9:23:24 AM	662.001	4.489	10.868	-0.127
6/23/2017 9:23:25 AM	663.001	4.492	10.894	-0.133
6/23/2017 9:23:26 AM	664.001	4.490	10.913	-0.128
6/23/2017 9:23:27 AM	665.001	4.491	10.892	-0.131
6/23/2017 9:23:28 AM	666.001	4.491	10.878	-0.130
6/23/2017 9:23:29 AM	667.001	4.492	10.874	-0.133
6/23/2017 9:23:30 AM	668.001	4.491	10.904	-0.130
6/23/2017 9:23:31 AM	669.001	4.491	10.900	-0.130
6/23/2017 9:23:32 AM	670.001	4.491	10.893	-0.130
6/23/2017 9:23:33 AM	671.001	4.491	10.888	-0.132
6/23/2017 9:23:34 AM	672.001	4.491	10.884	-0.129
6/23/2017 9:23:35 AM	673.001	4.490	10.887	-0.128
6/23/2017 9:23:36 AM	674.001	4.491	10.905	-0.130
6/23/2017 9:23:37 AM	675.001	4.488	10.860	-0.124
6/23/2017 9:23:38 AM	676.001	4.491	10.911	-0.130
6/23/2017 9:23:39 AM	677.001	4.492	10.903	-0.132

6/23/2017 9:23:40 AM	678.314	4.494	10.938	-0.138
6/23/2017 9:23:41 AM	679.001	4.490	10.909	-0.129
6/23/2017 9:23:42 AM	680.001	4.490	10.908	-0.129
6/23/2017 9:23:43 AM	681.001	4.491	10.902	-0.130
6/23/2017 9:23:44 AM	682.001	4.491	10.872	-0.131
6/23/2017 9:23:45 AM	683.001	4.490	10.902	-0.128
6/23/2017 9:23:46 AM	684.001	4.489	10.914	-0.126
6/23/2017 9:23:47 AM	685.001	4.491	10.880	-0.129
6/23/2017 9:23:48 AM	686.001	4.490	10.871	-0.129
6/23/2017 9:23:49 AM	687.001	4.493	10.898	-0.135
6/23/2017 9:23:50 AM	688.001	4.491	10.866	-0.131
6/23/2017 9:23:51 AM	689.001	4.491	10.906	-0.130
6/23/2017 9:23:52 AM	690.001	4.490	10.890	-0.127
6/23/2017 9:23:53 AM	691.001	4.490	10.903	-0.127
6/23/2017 9:23:54 AM	692.001	4.489	10.926	-0.127
6/23/2017 9:23:55 AM	693.001	4.491	10.883	-0.130
6/23/2017 9:23:56 AM	694.001	4.489	10.899	-0.126
6/23/2017 9:23:57 AM	695.001	4.490	10.877	-0.128
6/23/2017 9:23:58 AM	696.001	4.491	10.885	-0.130
6/23/2017 9:23:59 AM	697.002	4.488	10.866	-0.124
6/23/2017 9:24:00 AM	698.310	4.489	10.913	-0.126
6/23/2017 9:24:01 AM	699.002	4.491	10.902	-0.131
6/23/2017 9:24:02 AM	700.002	4.491	10.894	-0.130
6/23/2017 9:24:03 AM	701.002	4.488	10.866	-0.124
6/23/2017 9:24:04 AM	702.002	4.493	10.905	-0.134
6/23/2017 9:24:05 AM	703.002	4.492	10.885	-0.132
6/23/2017 9:24:06 AM	704.002	4.490	10.909	-0.128
6/23/2017 9:24:07 AM	705.001	4.486	10.897	-0.119
6/23/2017 9:24:08 AM	706.001	4.493	10.888	-0.135
6/23/2017 9:24:09 AM	707.002	4.489	10.896	-0.127
6/23/2017 9:24:10 AM	708.311	4.489	10.922	-0.125
6/23/2017 9:24:11 AM	709.002	4.491	10.870	-0.129
6/23/2017 9:24:12 AM	710.002	4.487	10.881	-0.121
6/23/2017 9:24:13 AM	711.002	4.488	10.900	-0.123
6/23/2017 9:24:14 AM	712.002	4.490	10.892	-0.128
6/23/2017 9:24:15 AM	713.002	4.486	10.926	-0.119
6/23/2017 9:24:16 AM	714.002	4.490	10.881	-0.128
6/23/2017 9:24:17 AM	715.002	4.487	10.860	-0.121
6/23/2017 9:24:18 AM	716.002	4.490	10.903	-0.128
6/23/2017 9:24:19 AM	717.001	4.487	10.906	-0.122
6/23/2017 9:24:20 AM	718.307	4.488	10.912	-0.124
6/23/2017 9:24:21 AM	719.001	4.488	10.878	-0.124
6/23/2017 9:24:22 AM	720.001	4.489	10.893	-0.126
6/23/2017 9:24:23 AM	721.001	4.489	10.885	-0.125
6/23/2017 9:24:24 AM	722.001	4.487	10.885	-0.121
6/23/2017 9:24:25 AM	723.001	4.488	10.886	-0.123
6/23/2017 9:24:26 AM	724.001	4.489	10.889	-0.125
6/23/2017 9:24:27 AM	725.001	4.489	10.880	-0.126
6/23/2017 9:24:28 AM	726.001	4.486	10.883	-0.120
6/23/2017 9:24:29 AM	727.295	4.490	10.903	-0.129
6/23/2017 9:24:30 AM	728.001	4.491	10.890	-0.130
6/23/2017 9:24:31 AM	729.001	4.488	10.877	-0.123
6/23/2017 9:24:32 AM	730.001	4.487	10.889	-0.120
6/23/2017 9:24:33 AM	731.001	4.489	10.891	-0.125
6/23/2017 9:24:34 AM	732.001	4.489	10.883	-0.126
6/23/2017 9:24:35 AM	733.001	4.489	10.888	-0.125
6/23/2017 9:24:36 AM	734.001	4.485	10.906	-0.117
6/23/2017 9:24:37 AM	735.001	4.488	10.893	-0.124
6/23/2017 9:24:38 AM	736.001	4.484	10.917	-0.115
6/23/2017 9:24:39 AM	737.001	4.487	10.905	-0.122
6/23/2017 9:24:40 AM	738.001	4.488	10.883	-0.124
6/23/2017 9:24:41 AM	739.001	4.490	10.916	-0.128
6/23/2017 9:24:42 AM	740.001	4.489	10.913	-0.126

6/23/2017 9:24:43 AM	741.001	4.488	10.913	-0.123
6/23/2017 9:24:44 AM	742.001	4.488	10.902	-0.125
6/23/2017 9:24:45 AM	743.001	4.490	10.890	-0.128
6/23/2017 9:24:46 AM	744.001	4.490	10.892	-0.129
6/23/2017 9:24:47 AM	745.001	4.489	10.894	-0.125
6/23/2017 9:24:48 AM	746.001	4.487	10.900	-0.120
6/23/2017 9:24:49 AM	747.001	4.488	10.916	-0.123
6/23/2017 9:24:50 AM	748.305	4.487	10.905	-0.122
6/23/2017 9:24:51 AM	749.001	4.484	10.895	-0.115
6/23/2017 9:24:52 AM	750.001	4.487	10.894	-0.122
6/23/2017 9:24:53 AM	751.001	4.488	10.915	-0.123
6/23/2017 9:24:54 AM	752.001	4.485	10.883	-0.117
6/23/2017 9:24:55 AM	753.001	4.486	10.882	-0.119
6/23/2017 9:24:56 AM	754.001	4.485	10.916	-0.117
6/23/2017 9:24:57 AM	755.001	4.488	10.897	-0.123
6/23/2017 9:24:58 AM	756.001	4.485	10.896	-0.117
6/23/2017 9:24:59 AM	757.001	4.487	10.889	-0.121
6/23/2017 9:25:00 AM	758.306	4.489	10.910	-0.126
6/23/2017 9:25:01 AM	759.001	4.486	10.900	-0.119
6/23/2017 9:25:02 AM	760.001	4.487	10.910	-0.122
6/23/2017 9:25:03 AM	761.001	4.485	10.891	-0.118
6/23/2017 9:25:04 AM	762.001	4.486	10.877	-0.119
6/23/2017 9:25:05 AM	763.001	4.486	10.892	-0.119
6/23/2017 9:25:06 AM	764.001	4.485	10.908	-0.117
6/23/2017 9:25:07 AM	765.001	4.487	10.902	-0.121
6/23/2017 9:25:08 AM	766.001	4.487	10.917	-0.122
6/23/2017 9:25:09 AM	767.001	4.487	10.901	-0.120
6/23/2017 9:25:10 AM	768.303	4.486	10.936	-0.118
6/23/2017 9:25:11 AM	769.001	4.490	10.900	-0.127
6/23/2017 9:25:12 AM	770.001	4.487	10.872	-0.121
6/23/2017 9:25:13 AM	771.001	4.486	10.885	-0.118
6/23/2017 9:25:14 AM	772.001	4.487	10.864	-0.121
6/23/2017 9:25:15 AM	773.001	4.485	10.874	-0.116
6/23/2017 9:25:16 AM	774.001	4.489	10.877	-0.125
6/23/2017 9:25:17 AM	775.001	4.486	10.903	-0.120
6/23/2017 9:25:18 AM	776.001	4.486	10.881	-0.120
6/23/2017 9:25:19 AM	777.291	4.491	10.913	-0.130
6/23/2017 9:25:20 AM	778.001	4.487	10.905	-0.122
6/23/2017 9:25:21 AM	779.001	4.488	10.891	-0.123
6/23/2017 9:25:22 AM	780.001	4.485	10.896	-0.117
6/23/2017 9:25:23 AM	781.001	4.488	10.842	-0.124
6/23/2017 9:25:24 AM	782.001	4.485	10.901	-0.118
6/23/2017 9:25:25 AM	783.001	4.486	10.913	-0.118
6/23/2017 9:25:26 AM	784.001	4.488	10.893	-0.123
6/23/2017 9:25:27 AM	785.001	4.486	10.901	-0.119
6/23/2017 9:25:28 AM	786.001	4.487	10.885	-0.122
6/23/2017 9:25:29 AM	787.001	4.484	10.884	-0.115
6/23/2017 9:25:30 AM	788.001	4.487	10.882	-0.122
6/23/2017 9:25:31 AM	789.001	4.486	10.913	-0.119
6/23/2017 9:25:32 AM	790.001	4.486	10.902	-0.119
6/23/2017 9:25:33 AM	791.001	4.486	10.888	-0.120
6/23/2017 9:25:34 AM	792.001	4.486	10.905	-0.118
6/23/2017 9:25:35 AM	793.001	4.485	10.896	-0.117
6/23/2017 9:25:36 AM	794.001	4.484	10.886	-0.115
6/23/2017 9:25:37 AM	795.001	4.485	10.882	-0.116
6/23/2017 9:25:38 AM	796.001	4.484	10.884	-0.115
6/23/2017 9:25:39 AM	797.001	4.487	10.887	-0.122
6/23/2017 9:25:40 AM	798.002	4.486	10.881	-0.120
6/23/2017 9:25:41 AM	799.001	4.485	10.905	-0.118
6/23/2017 9:25:42 AM	800.001	4.482	10.903	-0.110
6/23/2017 9:25:43 AM	801.001	4.483	10.899	-0.111
6/23/2017 9:25:44 AM	802.001	4.484	10.899	-0.115
6/23/2017 9:25:45 AM	803.001	4.485	10.888	-0.116

6/23/2017 9:25:46 AM	804.001	4.486	10.886	-0.118
6/23/2017 9:25:47 AM	805.001	4.486	10.866	-0.120
6/23/2017 9:25:48 AM	806.001	4.486	10.897	-0.120
6/23/2017 9:25:49 AM	807.001	4.485	10.866	-0.116
6/23/2017 9:25:50 AM	808.299	4.487	10.895	-0.121
6/23/2017 9:25:51 AM	809.001	4.484	10.879	-0.114
6/23/2017 9:25:52 AM	810.001	4.483	10.905	-0.113
6/23/2017 9:25:53 AM	811.001	4.486	10.884	-0.118
6/23/2017 9:25:54 AM	812.001	4.483	10.869	-0.113
6/23/2017 9:25:55 AM	813.001	4.484	10.865	-0.114
6/23/2017 9:25:56 AM	814.001	4.484	10.882	-0.114
6/23/2017 9:25:57 AM	815.001	4.485	10.878	-0.117
6/23/2017 9:25:58 AM	816.001	4.484	10.880	-0.115
6/23/2017 9:25:59 AM	817.001	4.485	10.900	-0.117
6/23/2017 9:26:00 AM	818.300	4.486	10.941	-0.118
6/23/2017 9:26:01 AM	819.001	4.483	10.891	-0.112
6/23/2017 9:26:02 AM	820.001	4.482	10.904	-0.110
6/23/2017 9:26:03 AM	821.001	4.483	10.877	-0.112
6/23/2017 9:26:04 AM	822.001	4.487	10.883	-0.121
6/23/2017 9:26:05 AM	823.001	4.487	10.882	-0.120
6/23/2017 9:26:06 AM	824.001	4.485	10.899	-0.117
6/23/2017 9:26:07 AM	825.001	4.484	10.885	-0.115
6/23/2017 9:26:08 AM	826.001	4.483	10.899	-0.112
6/23/2017 9:26:09 AM	827.001	4.483	10.893	-0.111
6/23/2017 9:26:10 AM	828.299	4.484	10.911	-0.115
6/23/2017 9:26:11 AM	829.001	4.485	10.919	-0.117
6/23/2017 9:26:12 AM	830.001	4.485	10.874	-0.116
6/23/2017 9:26:13 AM	831.001	4.484	10.863	-0.115
6/23/2017 9:26:14 AM	832.001	4.485	10.904	-0.117
6/23/2017 9:26:15 AM	833.001	4.485	10.905	-0.117
6/23/2017 9:26:16 AM	834.001	4.484	10.879	-0.115
6/23/2017 9:26:17 AM	835.001	4.481	10.890	-0.108
6/23/2017 9:26:18 AM	836.001	4.484	10.899	-0.115
6/23/2017 9:26:19 AM	837.287	4.483	10.905	-0.111
6/23/2017 9:26:20 AM	838.001	4.485	10.911	-0.117
6/23/2017 9:26:21 AM	839.001	4.484	10.910	-0.113
6/23/2017 9:26:22 AM	840.001	4.485	10.879	-0.116
6/23/2017 9:26:23 AM	841.001	4.483	10.872	-0.111
6/23/2017 9:26:24 AM	842.001	4.479	10.888	-0.102
6/23/2017 9:26:25 AM	843.001	4.482	10.886	-0.110
6/23/2017 9:26:26 AM	844.001	4.485	10.883	-0.117
6/23/2017 9:26:27 AM	845.001	4.483	10.902	-0.112
6/23/2017 9:26:28 AM	846.001	4.484	10.858	-0.114
6/23/2017 9:26:29 AM	847.001	4.485	10.892	-0.118
6/23/2017 9:26:30 AM	848.001	4.485	10.901	-0.117
6/23/2017 9:26:31 AM	849.001	4.484	10.870	-0.115
6/23/2017 9:26:32 AM	850.001	4.484	10.922	-0.114
6/23/2017 9:26:33 AM	851.001	4.482	10.903	-0.110
6/23/2017 9:26:34 AM	852.001	4.483	10.880	-0.111
6/23/2017 9:26:35 AM	853.001	4.485	10.911	-0.117
6/23/2017 9:26:36 AM	854.001	4.481	10.877	-0.108
6/23/2017 9:26:37 AM	855.001	4.484	10.893	-0.115
6/23/2017 9:26:38 AM	856.001	4.485	10.883	-0.116
6/23/2017 9:26:39 AM	857.002	4.485	10.863	-0.116
6/23/2017 9:26:40 AM	858.002	4.484	10.896	-0.113
6/23/2017 9:26:41 AM	859.002	4.483	10.897	-0.113
6/23/2017 9:26:42 AM	860.002	4.484	10.894	-0.113
6/23/2017 9:26:43 AM	861.002	4.483	10.872	-0.112
6/23/2017 9:26:44 AM	862.002	4.486	10.902	-0.120
6/23/2017 9:26:45 AM	863.002	4.485	10.910	-0.117
6/23/2017 9:26:46 AM	864.001	4.481	10.887	-0.106
6/23/2017 9:26:47 AM	865.001	4.482	10.890	-0.110
6/23/2017 9:26:48 AM	866.001	4.484	10.887	-0.113

6/23/2017 9:26:49 AM	867.001	4.481	10.883	-0.108
6/23/2017 9:26:50 AM	868.298	4.485	10.860	-0.116
6/23/2017 9:26:51 AM	869.001	4.484	10.878	-0.115
6/23/2017 9:26:52 AM	870.001	4.483	10.890	-0.111
6/23/2017 9:26:53 AM	871.001	4.482	10.872	-0.110
6/23/2017 9:26:54 AM	872.001	4.482	10.883	-0.110
6/23/2017 9:26:55 AM	873.001	4.480	10.870	-0.105
6/23/2017 9:26:56 AM	874.001	4.481	10.893	-0.108
6/23/2017 9:26:57 AM	875.001	4.483	10.893	-0.112
6/23/2017 9:26:58 AM	876.001	4.484	10.866	-0.114
6/23/2017 9:26:59 AM	877.001	4.480	10.888	-0.106
6/23/2017 9:27:00 AM	878.001	4.483	10.875	-0.111
6/23/2017 9:27:01 AM	879.001	4.482	10.931	-0.109
6/23/2017 9:27:02 AM	880.001	4.483	10.907	-0.112
6/23/2017 9:27:03 AM	881.001	4.482	10.888	-0.111
6/23/2017 9:27:04 AM	882.001	4.482	10.881	-0.110
6/23/2017 9:27:05 AM	883.001	4.481	10.901	-0.107
6/23/2017 9:27:06 AM	884.001	4.482	10.881	-0.110
6/23/2017 9:27:07 AM	885.001	4.482	10.913	-0.109
6/23/2017 9:27:08 AM	886.001	4.480	10.911	-0.106
6/23/2017 9:27:09 AM	887.001	4.481	10.888	-0.108
6/23/2017 9:27:10 AM	888.296	4.484	10.911	-0.114
6/23/2017 9:27:11 AM	889.001	4.481	10.907	-0.108
6/23/2017 9:27:12 AM	890.001	4.483	10.880	-0.111
6/23/2017 9:27:13 AM	891.001	4.481	10.872	-0.108
6/23/2017 9:27:14 AM	892.001	4.485	10.863	-0.116
6/23/2017 9:27:15 AM	893.001	4.481	10.883	-0.107
6/23/2017 9:27:16 AM	894.001	4.481	10.891	-0.107
6/23/2017 9:27:17 AM	895.001	4.478	10.894	-0.101
6/23/2017 9:27:18 AM	896.001	4.481	10.905	-0.107
6/23/2017 9:27:19 AM	897.286	4.483	10.926	-0.112
6/23/2017 9:27:20 AM	898.001	4.483	10.893	-0.112
6/23/2017 9:27:21 AM	899.001	4.481	10.871	-0.107
6/23/2017 9:27:22 AM	900.001	4.481	10.869	-0.107
6/23/2017 9:27:23 AM	901.001	4.479	10.887	-0.103
6/23/2017 9:27:24 AM	902.001	4.482	10.888	-0.110
6/23/2017 9:27:25 AM	903.001	4.481	10.909	-0.107
6/23/2017 9:27:26 AM	904.001	4.479	10.903	-0.102
6/23/2017 9:27:27 AM	905.001	4.482	10.885	-0.110
6/23/2017 9:27:28 AM	906.001	4.482	10.866	-0.110
6/23/2017 9:27:29 AM	907.001	4.480	10.886	-0.105
6/23/2017 9:27:30 AM	908.323	4.480	10.905	-0.104
6/23/2017 9:27:31 AM	909.001	4.480	10.894	-0.105
6/23/2017 9:27:32 AM	910.001	4.480	10.904	-0.104
6/23/2017 9:27:33 AM	911.001	4.478	10.868	-0.101
6/23/2017 9:27:34 AM	912.001	4.482	10.877	-0.109
6/23/2017 9:27:35 AM	913.001	4.482	10.897	-0.110
6/23/2017 9:27:36 AM	914.001	4.479	10.888	-0.103
6/23/2017 9:27:37 AM	915.001	4.480	10.891	-0.104
6/23/2017 9:27:38 AM	916.001	4.480	10.872	-0.106
6/23/2017 9:27:39 AM	917.001	4.481	10.872	-0.108
6/23/2017 9:27:40 AM	918.001	4.479	10.866	-0.103
6/23/2017 9:27:41 AM	919.001	4.482	10.924	-0.111
6/23/2017 9:27:42 AM	920.001	4.479	10.881	-0.103
6/23/2017 9:27:43 AM	921.001	4.481	10.876	-0.108
6/23/2017 9:27:44 AM	922.001	4.482	10.891	-0.110
6/23/2017 9:27:45 AM	923.001	4.482	10.914	-0.109
6/23/2017 9:27:46 AM	924.001	4.479	10.900	-0.104
6/23/2017 9:27:47 AM	925.001	4.479	10.851	-0.103
6/23/2017 9:27:48 AM	926.001	4.482	10.886	-0.111
6/23/2017 9:27:49 AM	927.001	4.482	10.883	-0.109
6/23/2017 9:27:50 AM	928.294	4.479	10.898	-0.102
6/23/2017 9:27:51 AM	929.001	4.479	10.914	-0.104

6/23/2017 9:27:52 AM	930.001	4.479	10.920	-0.103
6/23/2017 9:27:53 AM	931.001	4.478	10.908	-0.102
6/23/2017 9:27:54 AM	932.001	4.478	10.891	-0.101
6/23/2017 9:27:55 AM	933.001	4.477	10.901	-0.098
6/23/2017 9:27:56 AM	934.001	4.480	10.877	-0.105
6/23/2017 9:27:57 AM	935.001	4.480	10.894	-0.105
6/23/2017 9:27:58 AM	936.001	4.477	10.892	-0.099
6/23/2017 9:27:59 AM	937.001	4.480	10.887	-0.104
6/23/2017 9:28:00 AM	938.323	4.483	10.884	-0.111
6/23/2017 9:28:01 AM	939.001	4.476	10.893	-0.097
6/23/2017 9:28:02 AM	940.001	4.480	10.884	-0.105
6/23/2017 9:28:03 AM	941.001	4.479	10.880	-0.102
6/23/2017 9:28:04 AM	942.001	4.481	10.857	-0.108
6/23/2017 9:28:05 AM	943.001	4.480	10.893	-0.104
6/23/2017 9:28:06 AM	944.001	4.478	10.880	-0.100
6/23/2017 9:28:07 AM	945.001	4.481	10.905	-0.106
6/23/2017 9:28:08 AM	946.001	4.480	10.899	-0.106
6/23/2017 9:28:09 AM	947.001	4.478	10.887	-0.101
6/23/2017 9:28:10 AM	948.323	4.480	10.891	-0.105
6/23/2017 9:28:11 AM	949.001	4.479	10.912	-0.103
6/23/2017 9:28:12 AM	950.001	4.478	10.899	-0.101
6/23/2017 9:28:13 AM	951.001	4.476	10.865	-0.096
6/23/2017 9:28:14 AM	952.001	4.478	10.885	-0.100
6/23/2017 9:28:15 AM	953.001	4.478	10.911	-0.100
6/23/2017 9:28:16 AM	954.001	4.479	10.881	-0.104
6/23/2017 9:28:17 AM	955.001	4.478	10.905	-0.100
6/23/2017 9:28:18 AM	956.001	4.481	10.892	-0.108
6/23/2017 9:28:19 AM	957.281	4.482	10.913	-0.110
6/23/2017 9:28:20 AM	958.001	4.478	10.874	-0.101
6/23/2017 9:28:21 AM	959.001	4.479	10.897	-0.104
6/23/2017 9:28:22 AM	960.001	4.478	10.869	-0.100
6/23/2017 9:28:23 AM	961.001	4.480	10.880	-0.105
6/23/2017 9:28:24 AM	962.001	4.477	10.893	-0.099
6/23/2017 9:28:25 AM	963.001	4.478	10.877	-0.100
6/23/2017 9:28:26 AM	964.001	4.476	10.885	-0.096
6/23/2017 9:28:27 AM	965.001	4.481	10.875	-0.107
6/23/2017 9:28:28 AM	966.001	4.477	10.888	-0.099
6/23/2017 9:28:29 AM	967.001	4.479	10.884	-0.103
6/23/2017 9:28:30 AM	968.320	4.477	10.902	-0.098
6/23/2017 9:28:31 AM	969.001	4.477	10.879	-0.099
6/23/2017 9:28:32 AM	970.001	4.480	10.885	-0.106
6/23/2017 9:28:33 AM	971.001	4.479	10.887	-0.103
6/23/2017 9:28:34 AM	972.001	4.480	10.878	-0.105
6/23/2017 9:28:35 AM	973.001	4.477	10.891	-0.097
6/23/2017 9:28:36 AM	974.001	4.478	10.880	-0.101
6/23/2017 9:28:37 AM	975.001	4.477	10.901	-0.097
6/23/2017 9:28:38 AM	976.001	4.478	10.875	-0.101
6/23/2017 9:28:39 AM	977.001	4.477	10.856	-0.098
6/23/2017 9:28:40 AM	978.320	4.479	10.926	-0.104
6/23/2017 9:28:41 AM	979.001	4.477	10.875	-0.097
6/23/2017 9:28:42 AM	980.001	4.480	10.915	-0.106
6/23/2017 9:28:43 AM	981.001	4.478	10.865	-0.099
6/23/2017 9:28:44 AM	982.001	4.474	10.897	-0.091
6/23/2017 9:28:45 AM	983.001	4.477	10.854	-0.098
6/23/2017 9:28:46 AM	984.001	4.477	10.874	-0.099
6/23/2017 9:28:47 AM	985.001	4.476	10.902	-0.095
6/23/2017 9:28:48 AM	986.001	4.474	10.905	-0.092
6/23/2017 9:28:49 AM	987.001	4.476	10.888	-0.097
6/23/2017 9:28:50 AM	988.322	4.479	10.885	-0.102
6/23/2017 9:28:51 AM	989.001	4.477	10.897	-0.098
6/23/2017 9:28:52 AM	990.001	4.476	10.883	-0.096
6/23/2017 9:28:53 AM	991.001	4.480	10.886	-0.105
6/23/2017 9:28:54 AM	992.001	4.477	10.880	-0.098

6/23/2017 9:28:55 AM	993.001	4.478	10.866	-0.100
6/23/2017 9:28:56 AM	994.001	4.479	10.856	-0.103
6/23/2017 9:28:57 AM	995.001	4.482	10.865	-0.110
6/23/2017 9:28:58 AM	996.001	4.480	10.893	-0.104
6/23/2017 9:28:59 AM	997.001	4.475	10.891	-0.094
6/23/2017 9:29:00 AM	998.320	4.478	10.898	-0.100
6/23/2017 9:29:01 AM	999.001	4.476	10.878	-0.095
6/23/2017 9:29:02 AM	1000.001	4.476	10.879	-0.095
6/23/2017 9:29:03 AM	1001.001	4.478	10.866	-0.099
6/23/2017 9:29:04 AM	1002.001	4.477	10.881	-0.098
6/23/2017 9:29:05 AM	1003.001	4.477	10.885	-0.097
6/23/2017 9:29:06 AM	1004.001	4.478	10.855	-0.100
6/23/2017 9:29:07 AM	1005.001	4.479	10.876	-0.103
6/23/2017 9:29:08 AM	1006.001	4.475	10.887	-0.094
6/23/2017 9:29:09 AM	1007.280	4.481	10.938	-0.108
6/23/2017 9:29:10 AM	1008.001	4.475	10.885	-0.093
6/23/2017 9:29:11 AM	1009.001	4.477	10.895	-0.098
6/23/2017 9:29:12 AM	1010.001	4.476	10.899	-0.096
6/23/2017 9:29:13 AM	1011.001	4.478	10.865	-0.101
6/23/2017 9:29:14 AM	1012.001	4.477	10.910	-0.098
6/23/2017 9:29:15 AM	1013.001	4.476	10.896	-0.095
6/23/2017 9:29:16 AM	1014.001	4.479	10.888	-0.104
6/23/2017 9:29:17 AM	1015.001	4.478	10.894	-0.100
6/23/2017 9:29:18 AM	1016.001	4.477	10.874	-0.098
6/23/2017 9:29:19 AM	1017.001	4.477	10.921	-0.097
6/23/2017 9:29:20 AM	1018.318	4.474	10.916	-0.092
6/23/2017 9:29:21 AM	1019.001	4.477	10.920	-0.099
6/23/2017 9:29:22 AM	1020.001	4.476	10.893	-0.097
6/23/2017 9:29:23 AM	1021.001	4.476	10.910	-0.095
6/23/2017 9:29:24 AM	1022.001	4.476	10.874	-0.096
6/23/2017 9:29:25 AM	1023.001	4.478	10.883	-0.100
6/23/2017 9:29:26 AM	1024.001	4.475	10.897	-0.094
6/23/2017 9:29:27 AM	1025.001	4.475	10.893	-0.094
6/23/2017 9:29:28 AM	1026.001	4.477	10.894	-0.098
6/23/2017 9:29:29 AM	1027.001	4.476	10.872	-0.095
6/23/2017 9:29:30 AM	1028.316	4.475	10.913	-0.095
6/23/2017 9:29:31 AM	1029.001	4.477	10.875	-0.098
6/23/2017 9:29:32 AM	1030.001	4.476	10.899	-0.096
6/23/2017 9:29:33 AM	1031.001	4.477	10.860	-0.099
6/23/2017 9:29:34 AM	1032.001	4.474	10.875	-0.092
6/23/2017 9:29:35 AM	1033.001	4.475	10.874	-0.095
6/23/2017 9:29:36 AM	1034.001	4.475	10.862	-0.093
6/23/2017 9:29:37 AM	1035.001	4.476	10.889	-0.096
6/23/2017 9:29:38 AM	1036.001	4.475	10.902	-0.094
6/23/2017 9:29:39 AM	1037.001	4.473	10.899	-0.090
6/23/2017 9:29:40 AM	1038.318	4.475	10.908	-0.094
6/23/2017 9:29:41 AM	1039.001	4.475	10.887	-0.094
6/23/2017 9:29:42 AM	1040.001	4.475	10.880	-0.093
6/23/2017 9:29:43 AM	1041.001	4.476	10.883	-0.097
6/23/2017 9:29:44 AM	1042.001	4.475	10.869	-0.094
6/23/2017 9:29:45 AM	1043.001	4.473	10.896	-0.090
6/23/2017 9:29:46 AM	1044.001	4.475	10.896	-0.092
6/23/2017 9:29:47 AM	1045.001	4.475	10.878	-0.093
6/23/2017 9:29:48 AM	1046.001	4.473	10.870	-0.089
6/23/2017 9:29:49 AM	1047.001	4.475	10.874	-0.092
6/23/2017 9:29:50 AM	1048.318	4.478	10.888	-0.099
6/23/2017 9:29:51 AM	1049.001	4.475	10.874	-0.094
6/23/2017 9:29:52 AM	1050.001	4.476	10.868	-0.096
6/23/2017 9:29:53 AM	1051.001	4.477	10.902	-0.098
6/23/2017 9:29:54 AM	1052.001	4.476	10.877	-0.095
6/23/2017 9:29:55 AM	1053.001	4.478	10.877	-0.099
6/23/2017 9:29:56 AM	1054.001	4.474	10.857	-0.090
6/23/2017 9:29:57 AM	1055.001	4.474	10.866	-0.092

6/23/2017 9:29:58 AM	1056.001	4.474	10.855	-0.091
6/23/2017 9:29:59 AM	1057.276	4.477	10.891	-0.098
6/23/2017 9:30:00 AM	1058.001	4.475	10.899	-0.093
6/23/2017 9:30:01 AM	1059.001	4.474	10.869	-0.090
6/23/2017 9:30:02 AM	1060.001	4.475	10.885	-0.094
6/23/2017 9:30:03 AM	1061.001	4.476	10.880	-0.095
6/23/2017 9:30:04 AM	1062.001	4.475	10.884	-0.095
6/23/2017 9:30:05 AM	1063.001	4.476	10.886	-0.096
6/23/2017 9:30:06 AM	1064.001	4.475	10.883	-0.094
6/23/2017 9:30:07 AM	1065.001	4.473	10.885	-0.090
6/23/2017 9:30:08 AM	1066.001	4.475	10.885	-0.094
6/23/2017 9:30:09 AM	1067.001	4.476	10.910	-0.095
6/23/2017 9:30:10 AM	1068.315	4.474	10.902	-0.091
6/23/2017 9:30:11 AM	1069.001	4.472	10.869	-0.087
6/23/2017 9:30:12 AM	1070.001	4.473	10.883	-0.090
6/23/2017 9:30:13 AM	1071.001	4.475	10.885	-0.093
6/23/2017 9:30:14 AM	1072.001	4.477	10.922	-0.098
6/23/2017 9:30:15 AM	1073.001	4.473	10.883	-0.090
6/23/2017 9:30:16 AM	1074.001	4.473	10.908	-0.089
6/23/2017 9:30:17 AM	1075.001	4.472	10.865	-0.088
6/23/2017 9:30:18 AM	1076.001	4.475	10.868	-0.094
6/23/2017 9:30:19 AM	1077.001	4.474	10.875	-0.091
6/23/2017 9:30:20 AM	1078.316	4.476	10.898	-0.096
6/23/2017 9:30:21 AM	1079.001	4.472	10.898	-0.087
6/23/2017 9:30:22 AM	1080.001	4.474	10.902	-0.091
6/23/2017 9:30:23 AM	1081.001	4.474	10.894	-0.091
6/23/2017 9:30:24 AM	1082.001	4.473	10.878	-0.089
6/23/2017 9:30:25 AM	1083.001	4.474	10.891	-0.092
6/23/2017 9:30:26 AM	1084.001	4.472	10.884	-0.086
6/23/2017 9:30:27 AM	1085.001	4.476	10.849	-0.096
6/23/2017 9:30:28 AM	1086.001	4.475	10.861	-0.094
6/23/2017 9:30:29 AM	1087.001	4.475	10.877	-0.093
6/23/2017 9:30:30 AM	1088.315	4.477	10.912	-0.097
6/23/2017 9:30:31 AM	1089.001	4.475	10.884	-0.094
6/23/2017 9:30:32 AM	1090.001	4.474	10.886	-0.092
6/23/2017 9:30:33 AM	1091.001	4.473	10.878	-0.090
6/23/2017 9:30:34 AM	1092.001	4.476	10.895	-0.095
6/23/2017 9:30:35 AM	1093.001	4.472	10.865	-0.087
6/23/2017 9:30:36 AM	1094.001	4.472	10.878	-0.087
6/23/2017 9:30:37 AM	1095.001	4.475	10.897	-0.092
6/23/2017 9:30:38 AM	1096.001	4.476	10.900	-0.095
6/23/2017 9:30:39 AM	1097.001	4.471	10.866	-0.085
6/23/2017 9:30:40 AM	1098.315	4.475	10.882	-0.092
6/23/2017 9:30:41 AM	1099.001	4.472	10.902	-0.087
6/23/2017 9:30:42 AM	1100.001	4.472	10.887	-0.086
6/23/2017 9:30:43 AM	1101.001	4.475	10.893	-0.094
6/23/2017 9:30:44 AM	1102.001	4.474	10.883	-0.091
6/23/2017 9:30:45 AM	1103.001	4.473	10.874	-0.089
6/23/2017 9:30:46 AM	1104.001	4.475	10.885	-0.093
6/23/2017 9:30:47 AM	1105.001	4.474	10.871	-0.091
6/23/2017 9:30:48 AM	1106.001	4.473	10.863	-0.089
6/23/2017 9:30:49 AM	1107.246	4.473	10.905	-0.089
6/23/2017 9:30:50 AM	1108.001	4.475	10.891	-0.094
6/23/2017 9:30:51 AM	1109.001	4.475	10.874	-0.094
6/23/2017 9:30:52 AM	1110.001	4.472	10.881	-0.086
6/23/2017 9:30:53 AM	1111.001	4.473	10.883	-0.088
6/23/2017 9:30:54 AM	1112.001	4.473	10.861	-0.088
6/23/2017 9:30:55 AM	1113.001	4.475	10.858	-0.093
6/23/2017 9:30:56 AM	1114.001	4.474	10.877	-0.090
6/23/2017 9:30:57 AM	1115.001	4.474	10.879	-0.091
6/23/2017 9:30:58 AM	1116.001	4.475	10.919	-0.093
6/23/2017 9:30:59 AM	1117.001	4.474	10.893	-0.092
6/23/2017 9:31:00 AM	1118.315	4.474	10.907	-0.092

6/23/2017 9:31:01 AM	1119.001	4.474	10.889	-0.090
6/23/2017 9:31:02 AM	1120.001	4.471	10.868	-0.085
6/23/2017 9:31:03 AM	1121.001	4.474	10.898	-0.092
6/23/2017 9:31:04 AM	1122.001	4.475	10.884	-0.093
6/23/2017 9:31:05 AM	1123.001	4.471	10.863	-0.085
6/23/2017 9:31:06 AM	1124.001	4.474	10.866	-0.092
6/23/2017 9:31:07 AM	1125.001	4.473	10.886	-0.090
6/23/2017 9:31:08 AM	1126.001	4.473	10.904	-0.090
6/23/2017 9:31:09 AM	1127.001	4.473	10.856	-0.089
6/23/2017 9:31:10 AM	1128.314	4.472	10.911	-0.087
6/23/2017 9:31:11 AM	1129.001	4.474	10.900	-0.091
6/23/2017 9:31:12 AM	1130.001	4.473	10.898	-0.090
6/23/2017 9:31:13 AM	1131.001	4.473	10.885	-0.088
6/23/2017 9:31:14 AM	1132.001	4.475	10.902	-0.093
6/23/2017 9:31:15 AM	1133.001	4.472	10.849	-0.088
6/23/2017 9:31:16 AM	1134.001	4.474	10.880	-0.092
6/23/2017 9:31:17 AM	1135.001	4.471	10.875	-0.084
6/23/2017 9:31:18 AM	1136.001	4.475	10.885	-0.094
6/23/2017 9:31:19 AM	1137.002	4.473	10.894	-0.088
6/23/2017 9:31:20 AM	1138.311	4.474	10.897	-0.091
6/23/2017 9:31:21 AM	1139.002	4.472	10.865	-0.087
6/23/2017 9:31:22 AM	1140.002	4.473	10.884	-0.090
6/23/2017 9:31:23 AM	1141.002	4.470	10.877	-0.082
6/23/2017 9:31:24 AM	1142.002	4.473	10.849	-0.090
6/23/2017 9:31:25 AM	1143.002	4.473	10.873	-0.088
6/23/2017 9:31:26 AM	1144.002	4.472	10.891	-0.087
6/23/2017 9:31:27 AM	1145.002	4.470	10.870	-0.082
6/23/2017 9:31:28 AM	1146.002	4.475	10.880	-0.094
6/23/2017 9:31:29 AM	1147.001	4.472	10.895	-0.087
6/23/2017 9:31:30 AM	1148.314	4.473	10.904	-0.089
6/23/2017 9:31:31 AM	1149.001	4.475	10.867	-0.094
6/23/2017 9:31:32 AM	1150.001	4.473	10.873	-0.089
6/23/2017 9:31:33 AM	1151.001	4.474	10.893	-0.091
6/23/2017 9:31:34 AM	1152.001	4.472	10.887	-0.086
6/23/2017 9:31:35 AM	1153.001	4.472	10.876	-0.086
6/23/2017 9:31:36 AM	1154.001	4.473	10.872	-0.088
6/23/2017 9:31:37 AM	1155.001	4.475	10.862	-0.093
6/23/2017 9:31:38 AM	1156.001	4.473	10.899	-0.090
6/23/2017 9:31:39 AM	1157.271	4.473	10.901	-0.089
6/23/2017 9:31:40 AM	1158.001	4.473	10.891	-0.090
6/23/2017 9:31:41 AM	1159.001	4.470	10.892	-0.082
6/23/2017 9:31:42 AM	1160.001	4.475	10.862	-0.094
6/23/2017 9:31:43 AM	1161.001	4.472	10.868	-0.085
6/23/2017 9:31:44 AM	1162.001	4.470	10.885	-0.082
6/23/2017 9:31:45 AM	1163.001	4.470	10.864	-0.081
6/23/2017 9:31:46 AM	1164.001	4.474	10.898	-0.090
6/23/2017 9:31:47 AM	1165.001	4.471	10.884	-0.084
6/23/2017 9:31:48 AM	1166.001	4.471	10.883	-0.084
6/23/2017 9:31:49 AM	1167.001	4.470	10.874	-0.082
6/23/2017 9:31:50 AM	1168.312	4.474	10.888	-0.091
6/23/2017 9:31:51 AM	1169.001	4.469	10.861	-0.079
6/23/2017 9:31:52 AM	1170.001	4.471	10.868	-0.083
6/23/2017 9:31:53 AM	1171.001	4.470	10.875	-0.082
6/23/2017 9:31:54 AM	1172.001	4.473	10.872	-0.089
6/23/2017 9:31:55 AM	1173.001	4.471	10.877	-0.083
6/23/2017 9:31:56 AM	1174.001	4.470	10.845	-0.082
6/23/2017 9:31:57 AM	1175.001	4.474	10.860	-0.090
6/23/2017 9:31:58 AM	1176.001	4.471	10.908	-0.084
6/23/2017 9:31:59 AM	1177.001	4.468	10.882	-0.077
6/23/2017 9:32:00 AM	1178.309	4.474	10.871	-0.090
6/23/2017 9:32:01 AM	1179.001	4.471	10.907	-0.083
6/23/2017 9:32:02 AM	1180.001	4.472	10.883	-0.087
6/23/2017 9:32:03 AM	1181.001	4.470	10.898	-0.083

6/23/2017 9:32:04 AM	1182.001	4.472	10.885	-0.086
6/23/2017 9:32:05 AM	1183.001	4.471	10.863	-0.084
6/23/2017 9:32:06 AM	1184.001	4.472	10.891	-0.088
6/23/2017 9:32:07 AM	1185.001	4.473	10.879	-0.089
6/23/2017 9:32:08 AM	1186.001	4.471	10.864	-0.085
6/23/2017 9:32:09 AM	1187.001	4.470	10.884	-0.082
6/23/2017 9:32:10 AM	1188.311	4.473	10.890	-0.090
6/23/2017 9:32:11 AM	1189.001	4.469	10.871	-0.079
6/23/2017 9:32:12 AM	1190.001	4.469	10.870	-0.080
6/23/2017 9:32:13 AM	1191.001	4.470	10.871	-0.082
6/23/2017 9:32:14 AM	1192.001	4.467	10.880	-0.076
6/23/2017 9:32:15 AM	1193.001	4.472	10.858	-0.085
6/23/2017 9:32:16 AM	1194.001	4.471	10.858	-0.084
6/23/2017 9:32:17 AM	1195.001	4.471	10.863	-0.084
6/23/2017 9:32:18 AM	1196.001	4.471	10.854	-0.084
6/23/2017 9:32:19 AM	1197.001	4.471	10.878	-0.085
6/23/2017 9:32:20 AM	1198.309	4.469	10.915	-0.079
6/23/2017 9:32:21 AM	1199.001	4.467	10.880	-0.074
6/23/2017 9:32:22 AM	1200.001	4.470	10.869	-0.083
6/23/2017 9:32:23 AM	1201.001	4.469	10.882	-0.081
6/23/2017 9:32:24 AM	1202.001	4.472	10.848	-0.087
6/23/2017 9:32:25 AM	1203.001	4.471	10.886	-0.084
6/23/2017 9:32:26 AM	1204.001	4.470	10.891	-0.083
6/23/2017 9:32:27 AM	1205.001	4.472	10.861	-0.087
6/23/2017 9:32:28 AM	1206.001	4.471	10.852	-0.085
6/23/2017 9:32:29 AM	1207.273	4.471	10.899	-0.084
6/23/2017 9:32:30 AM	1208.001	4.471	10.893	-0.085
6/23/2017 9:32:31 AM	1209.001	4.471	10.864	-0.084
6/23/2017 9:32:32 AM	1210.001	4.470	10.872	-0.081
6/23/2017 9:32:33 AM	1211.001	4.469	10.850	-0.080
6/23/2017 9:32:34 AM	1212.001	4.468	10.866	-0.077
6/23/2017 9:32:35 AM	1213.001	4.469	10.888	-0.080
6/23/2017 9:32:36 AM	1214.001	4.469	10.836	-0.080
6/23/2017 9:32:37 AM	1215.001	4.470	10.855	-0.082
6/23/2017 9:32:38 AM	1216.001	4.471	10.862	-0.085
6/23/2017 9:32:39 AM	1217.002	4.468	10.841	-0.077
6/23/2017 9:32:40 AM	1218.310	4.469	10.900	-0.080
6/23/2017 9:32:41 AM	1219.002	4.471	10.849	-0.085
6/23/2017 9:32:42 AM	1220.002	4.470	10.852	-0.083
6/23/2017 9:32:43 AM	1221.002	4.468	10.877	-0.078
6/23/2017 9:32:44 AM	1222.002	4.472	10.876	-0.087
6/23/2017 9:32:45 AM	1223.002	4.469	10.880	-0.080
6/23/2017 9:32:46 AM	1224.001	4.469	10.872	-0.079
6/23/2017 9:32:47 AM	1225.001	4.469	10.872	-0.081
6/23/2017 9:32:48 AM	1226.001	4.469	10.880	-0.080
6/23/2017 9:32:49 AM	1227.001	4.469	10.894	-0.079
6/23/2017 9:32:50 AM	1228.279	4.467	10.894	-0.074
6/23/2017 9:32:51 AM	1229.001	4.469	10.888	-0.080
6/23/2017 9:32:52 AM	1230.001	4.469	10.886	-0.080
6/23/2017 9:32:53 AM	1231.001	4.466	10.879	-0.073
6/23/2017 9:32:54 AM	1232.001	4.470	10.869	-0.083
6/23/2017 9:32:55 AM	1233.001	4.469	10.874	-0.080
6/23/2017 9:32:56 AM	1234.001	4.468	10.847	-0.078
6/23/2017 9:32:57 AM	1235.001	4.469	10.900	-0.080
6/23/2017 9:32:58 AM	1236.001	4.470	10.857	-0.081
6/23/2017 9:32:59 AM	1237.001	4.470	10.851	-0.081
6/23/2017 9:33:00 AM	1238.309	4.470	10.882	-0.083
6/23/2017 9:33:01 AM	1239.001	4.470	10.874	-0.081
6/23/2017 9:33:02 AM	1240.001	4.467	10.883	-0.076
6/23/2017 9:33:03 AM	1241.001	4.466	10.873	-0.073
6/23/2017 9:33:04 AM	1242.001	4.468	10.879	-0.078
6/23/2017 9:33:05 AM	1243.001	4.470	10.858	-0.081
6/23/2017 9:33:06 AM	1244.001	4.469	10.852	-0.080

6/23/2017 9:33:07 AM	1245.001	4.469	10.887	-0.079
6/23/2017 9:33:08 AM	1246.001	4.468	10.866	-0.076
6/23/2017 9:33:09 AM	1247.001	4.468	10.862	-0.078
6/23/2017 9:33:10 AM	1248.279	4.468	10.874	-0.078
6/23/2017 9:33:11 AM	1249.001	4.467	10.874	-0.075
6/23/2017 9:33:12 AM	1250.001	4.467	10.876	-0.074
6/23/2017 9:33:13 AM	1251.001	4.469	10.863	-0.079
6/23/2017 9:33:14 AM	1252.001	4.468	10.869	-0.076
6/23/2017 9:33:15 AM	1253.001	4.468	10.852	-0.076
6/23/2017 9:33:16 AM	1254.001	4.468	10.871	-0.078
6/23/2017 9:33:17 AM	1255.001	4.469	10.838	-0.080
6/23/2017 9:33:18 AM	1256.001	4.470	10.865	-0.082
6/23/2017 9:33:19 AM	1257.268	4.470	10.872	-0.082
6/23/2017 9:33:20 AM	1258.001	4.465	10.874	-0.070
6/23/2017 9:33:21 AM	1259.001	4.468	10.863	-0.077
6/23/2017 9:33:22 AM	1260.001	4.469	10.857	-0.079
6/23/2017 9:33:23 AM	1261.001	4.469	10.870	-0.080
6/23/2017 9:33:24 AM	1262.001	4.468	10.850	-0.078
6/23/2017 9:33:25 AM	1263.001	4.468	10.877	-0.077
6/23/2017 9:33:26 AM	1264.001	4.468	10.865	-0.077
6/23/2017 9:33:27 AM	1265.001	4.469	10.867	-0.079
6/23/2017 9:33:28 AM	1266.001	4.469	10.860	-0.080
6/23/2017 9:33:29 AM	1267.001	4.468	10.860	-0.077
6/23/2017 9:33:30 AM	1268.310	4.469	10.882	-0.080
6/23/2017 9:33:31 AM	1269.001	4.470	10.869	-0.082
6/23/2017 9:33:32 AM	1270.001	4.471	10.869	-0.084
6/23/2017 9:33:33 AM	1271.001	4.466	10.871	-0.072
6/23/2017 9:33:34 AM	1272.001	4.469	10.869	-0.080
6/23/2017 9:33:35 AM	1273.001	4.469	10.864	-0.079
6/23/2017 9:33:36 AM	1274.001	4.468	10.847	-0.078
6/23/2017 9:33:37 AM	1275.001	4.468	10.826	-0.078
6/23/2017 9:33:38 AM	1276.001	4.469	10.845	-0.080
6/23/2017 9:33:39 AM	1277.001	4.467	10.873	-0.075
6/23/2017 9:33:40 AM	1278.307	4.470	10.866	-0.082
6/23/2017 9:33:41 AM	1279.001	4.468	10.894	-0.077
6/23/2017 9:33:42 AM	1280.001	4.469	10.854	-0.079
6/23/2017 9:33:43 AM	1281.001	4.471	10.888	-0.084
6/23/2017 9:33:44 AM	1282.001	4.468	10.861	-0.076
6/23/2017 9:33:45 AM	1283.001	4.468	10.839	-0.077
6/23/2017 9:33:46 AM	1284.001	4.466	10.841	-0.074
6/23/2017 9:33:47 AM	1285.001	4.471	10.861	-0.083
6/23/2017 9:33:48 AM	1286.001	4.469	10.849	-0.079
6/23/2017 9:33:49 AM	1287.001	4.469	10.876	-0.080
6/23/2017 9:33:50 AM	1288.277	4.469	10.909	-0.080
6/23/2017 9:33:51 AM	1289.001	4.465	10.869	-0.071
6/23/2017 9:33:52 AM	1290.001	4.467	10.880	-0.075
6/23/2017 9:33:53 AM	1291.001	4.468	10.860	-0.076
6/23/2017 9:33:54 AM	1292.001	4.465	10.857	-0.070
6/23/2017 9:33:55 AM	1293.001	4.467	10.843	-0.075
6/23/2017 9:33:56 AM	1294.001	4.466	10.853	-0.074
6/23/2017 9:33:57 AM	1295.001	4.467	10.866	-0.076
6/23/2017 9:33:58 AM	1296.001	4.465	10.852	-0.071
6/23/2017 9:33:59 AM	1297.001	4.468	10.869	-0.078
6/23/2017 9:34:00 AM	1298.306	4.466	10.908	-0.073
6/23/2017 9:34:01 AM	1299.001	4.468	10.858	-0.076
6/23/2017 9:34:02 AM	1300.001	4.469	10.885	-0.080
6/23/2017 9:34:03 AM	1301.001	4.466	10.855	-0.074
6/23/2017 9:34:04 AM	1302.001	4.468	10.863	-0.077
6/23/2017 9:34:05 AM	1303.001	4.465	10.849	-0.071
6/23/2017 9:34:06 AM	1304.001	4.470	10.878	-0.082
6/23/2017 9:34:07 AM	1305.001	4.467	10.864	-0.075
6/23/2017 9:34:08 AM	1306.001	4.467	10.836	-0.074
6/23/2017 9:34:09 AM	1307.236	4.466	10.843	-0.074

6/23/2017 9:34:10 AM	1308.001	4.466	10.871	-0.073
6/23/2017 9:34:11 AM	1309.001	4.463	10.866	-0.066
6/23/2017 9:34:12 AM	1310.001	4.467	10.863	-0.076
6/23/2017 9:34:13 AM	1311.001	4.468	10.869	-0.077
6/23/2017 9:34:14 AM	1312.001	4.468	10.894	-0.078
6/23/2017 9:34:15 AM	1313.001	4.466	10.867	-0.072
6/23/2017 9:34:16 AM	1314.001	4.470	10.862	-0.081
6/23/2017 9:34:17 AM	1315.001	4.467	10.866	-0.076
6/23/2017 9:34:18 AM	1316.001	4.466	10.849	-0.072
6/23/2017 9:34:19 AM	1317.001	4.471	10.841	-0.084
6/23/2017 9:34:20 AM	1318.306	4.471	10.902	-0.085
6/23/2017 9:34:21 AM	1319.001	4.467	10.874	-0.075
6/23/2017 9:34:22 AM	1320.001	4.465	10.874	-0.069
6/23/2017 9:34:23 AM	1321.001	4.464	10.886	-0.068
6/23/2017 9:34:24 AM	1322.001	4.466	10.883	-0.073
6/23/2017 9:34:25 AM	1323.001	4.467	10.869	-0.075
6/23/2017 9:34:26 AM	1324.001	4.467	10.848	-0.074
6/23/2017 9:34:27 AM	1325.001	4.467	10.867	-0.075
6/23/2017 9:34:28 AM	1326.001	4.468	10.877	-0.078
6/23/2017 9:34:29 AM	1327.001	4.463	10.850	-0.067
6/23/2017 9:34:30 AM	1328.305	4.468	10.878	-0.078
6/23/2017 9:34:31 AM	1329.001	4.468	10.880	-0.078
6/23/2017 9:34:32 AM	1330.001	4.465	10.869	-0.071
6/23/2017 9:34:33 AM	1331.001	4.468	10.879	-0.077
6/23/2017 9:34:34 AM	1332.001	4.467	10.888	-0.076
6/23/2017 9:34:35 AM	1333.001	4.467	10.871	-0.074
6/23/2017 9:34:36 AM	1334.001	4.466	10.870	-0.073
6/23/2017 9:34:37 AM	1335.001	4.465	10.863	-0.071
6/23/2017 9:34:38 AM	1336.001	4.466	10.874	-0.072
6/23/2017 9:34:39 AM	1337.001	4.466	10.873	-0.074
6/23/2017 9:34:40 AM	1338.304	4.470	10.874	-0.081
6/23/2017 9:34:41 AM	1339.001	4.467	10.847	-0.075
6/23/2017 9:34:42 AM	1340.001	4.467	10.859	-0.075
6/23/2017 9:34:43 AM	1341.001	4.465	10.837	-0.070
6/23/2017 9:34:44 AM	1342.001	4.464	10.869	-0.069
6/23/2017 9:34:45 AM	1343.001	4.466	10.896	-0.072
6/23/2017 9:34:46 AM	1344.001	4.464	10.889	-0.069
6/23/2017 9:34:47 AM	1345.001	4.466	10.871	-0.074
6/23/2017 9:34:48 AM	1346.001	4.465	10.862	-0.070
6/23/2017 9:34:49 AM	1347.001	4.466	10.887	-0.073
6/23/2017 9:34:50 AM	1348.306	4.468	10.878	-0.078
6/23/2017 9:34:51 AM	1349.001	4.465	10.888	-0.071
6/23/2017 9:34:52 AM	1350.001	4.465	10.841	-0.071
6/23/2017 9:34:53 AM	1351.001	4.464	10.866	-0.068
6/23/2017 9:34:54 AM	1352.001	4.468	10.874	-0.077
6/23/2017 9:34:55 AM	1353.001	4.466	10.888	-0.073
6/23/2017 9:34:56 AM	1354.001	4.465	10.860	-0.070
6/23/2017 9:34:57 AM	1355.001	4.465	10.864	-0.069
6/23/2017 9:34:58 AM	1356.001	4.464	10.869	-0.069
6/23/2017 9:34:59 AM	1357.265	4.464	10.866	-0.068
6/23/2017 9:35:00 AM	1358.001	4.465	10.845	-0.071
6/23/2017 9:35:01 AM	1359.001	4.467	10.884	-0.075
6/23/2017 9:35:02 AM	1360.001	4.466	10.875	-0.072
6/23/2017 9:35:03 AM	1361.001	4.465	10.872	-0.070
6/23/2017 9:35:04 AM	1362.001	4.466	10.858	-0.073
6/23/2017 9:35:05 AM	1363.001	4.466	10.856	-0.072
6/23/2017 9:35:06 AM	1364.001	4.465	10.860	-0.070
6/23/2017 9:35:07 AM	1365.001	4.465	10.855	-0.071
6/23/2017 9:35:08 AM	1366.001	4.464	10.868	-0.068
6/23/2017 9:35:09 AM	1367.001	4.465	10.858	-0.070
6/23/2017 9:35:10 AM	1368.305	4.469	10.878	-0.079
6/23/2017 9:35:11 AM	1369.001	4.468	10.860	-0.077
6/23/2017 9:35:12 AM	1370.001	4.463	10.893	-0.065

6/23/2017 9:35:13 AM	1371.001	4.466	10.866	-0.072
6/23/2017 9:35:14 AM	1372.001	4.463	10.895	-0.065
6/23/2017 9:35:15 AM	1373.001	4.464	10.847	-0.067
6/23/2017 9:35:16 AM	1374.001	4.463	10.852	-0.066
6/23/2017 9:35:17 AM	1375.001	4.462	10.844	-0.063
6/23/2017 9:35:18 AM	1376.001	4.464	10.866	-0.068
6/23/2017 9:35:19 AM	1377.001	4.465	10.880	-0.069
6/23/2017 9:35:20 AM	1378.304	4.469	10.857	-0.079
6/23/2017 9:35:21 AM	1379.001	4.464	10.856	-0.069
6/23/2017 9:35:22 AM	1380.001	4.465	10.852	-0.071
6/23/2017 9:35:23 AM	1381.001	4.463	10.856	-0.066
6/23/2017 9:35:24 AM	1382.001	4.466	10.855	-0.073
6/23/2017 9:35:25 AM	1383.001	4.466	10.856	-0.073
6/23/2017 9:35:26 AM	1384.001	4.464	10.862	-0.068
6/23/2017 9:35:27 AM	1385.001	4.464	10.852	-0.067
6/23/2017 9:35:28 AM	1386.001	4.468	10.829	-0.078
6/23/2017 9:35:29 AM	1387.001	4.463	10.849	-0.067
6/23/2017 9:35:30 AM	1388.303	4.464	10.872	-0.067
6/23/2017 9:35:31 AM	1389.001	4.465	10.888	-0.070
6/23/2017 9:35:32 AM	1390.001	4.466	10.882	-0.072
6/23/2017 9:35:33 AM	1391.001	4.466	10.885	-0.073
6/23/2017 9:35:34 AM	1392.001	4.463	10.887	-0.067
6/23/2017 9:35:35 AM	1393.001	4.460	10.888	-0.059
6/23/2017 9:35:36 AM	1394.001	4.465	10.880	-0.070
6/23/2017 9:35:37 AM	1395.001	4.466	10.843	-0.072
6/23/2017 9:35:38 AM	1396.001	4.465	10.870	-0.070
6/23/2017 9:35:39 AM	1397.001	4.464	10.871	-0.069
6/23/2017 9:35:40 AM	1398.304	4.466	10.882	-0.072
6/23/2017 9:35:41 AM	1399.001	4.463	10.872	-0.065
6/23/2017 9:35:42 AM	1400.001	4.464	10.858	-0.067
6/23/2017 9:35:43 AM	1401.001	4.463	10.840	-0.065
6/23/2017 9:35:44 AM	1402.001	4.463	10.877	-0.065
6/23/2017 9:35:45 AM	1403.001	4.466	10.846	-0.073
6/23/2017 9:35:46 AM	1404.001	4.463	10.860	-0.065
6/23/2017 9:35:47 AM	1405.001	4.465	10.867	-0.069
6/23/2017 9:35:48 AM	1406.001	4.466	10.870	-0.074
6/23/2017 9:35:49 AM	1407.234	4.467	10.876	-0.076
6/23/2017 9:35:50 AM	1408.001	4.461	10.858	-0.062
6/23/2017 9:35:51 AM	1409.001	4.466	10.853	-0.074
6/23/2017 9:35:52 AM	1410.001	4.462	10.867	-0.065
6/23/2017 9:35:53 AM	1411.001	4.465	10.869	-0.071
6/23/2017 9:35:54 AM	1412.001	4.464	10.876	-0.067
6/23/2017 9:35:55 AM	1413.001	4.465	10.851	-0.070
6/23/2017 9:35:56 AM	1414.001	4.462	10.850	-0.064
6/23/2017 9:35:57 AM	1415.001	4.464	10.872	-0.067
6/23/2017 9:35:58 AM	1416.001	4.466	10.851	-0.072
6/23/2017 9:35:59 AM	1417.001	4.463	10.855	-0.065
6/23/2017 9:36:00 AM	1418.272	4.466	10.861	-0.073
6/23/2017 9:36:01 AM	1419.001	4.466	10.872	-0.072
6/23/2017 9:36:02 AM	1420.001	4.466	10.849	-0.074
6/23/2017 9:36:03 AM	1421.001	4.465	10.874	-0.071
6/23/2017 9:36:04 AM	1422.001	4.465	10.830	-0.070
6/23/2017 9:36:05 AM	1423.001	4.462	10.873	-0.063
6/23/2017 9:36:06 AM	1424.001	4.462	10.881	-0.064
6/23/2017 9:36:07 AM	1425.001	4.464	10.843	-0.068
6/23/2017 9:36:08 AM	1426.001	4.464	10.858	-0.068
6/23/2017 9:36:09 AM	1427.001	4.463	10.833	-0.066
6/23/2017 9:36:10 AM	1428.271	4.464	10.899	-0.067
6/23/2017 9:36:11 AM	1429.001	4.467	10.864	-0.075
6/23/2017 9:36:12 AM	1430.001	4.463	10.852	-0.066
6/23/2017 9:36:13 AM	1431.001	4.465	10.858	-0.070
6/23/2017 9:36:14 AM	1432.001	4.462	10.873	-0.064
6/23/2017 9:36:15 AM	1433.001	4.463	10.858	-0.066

6/23/2017 9:36:16 AM	1434.001	4.464	10.824	-0.068
6/23/2017 9:36:17 AM	1435.001	4.467	10.852	-0.074
6/23/2017 9:36:18 AM	1436.001	4.462	10.844	-0.064
6/23/2017 9:36:19 AM	1437.001	4.466	10.864	-0.072
6/23/2017 9:36:20 AM	1438.271	4.462	10.899	-0.064
6/23/2017 9:36:21 AM	1439.001	4.465	10.860	-0.070
6/23/2017 9:36:22 AM	1440.001	4.465	10.868	-0.070
6/23/2017 9:36:23 AM	1441.001	4.463	10.863	-0.065
6/23/2017 9:36:24 AM	1442.001	4.463	10.867	-0.067
6/23/2017 9:36:25 AM	1443.001	4.465	10.867	-0.070
6/23/2017 9:36:26 AM	1444.001	4.462	10.836	-0.063
6/23/2017 9:36:27 AM	1445.001	4.460	10.830	-0.060
6/23/2017 9:36:28 AM	1446.001	4.465	10.846	-0.071
6/23/2017 9:36:29 AM	1447.001	4.464	10.838	-0.069
6/23/2017 9:36:30 AM	1448.271	4.468	10.863	-0.076
6/23/2017 9:36:31 AM	1449.001	4.463	10.880	-0.067
6/23/2017 9:36:32 AM	1450.001	4.463	10.858	-0.067
6/23/2017 9:36:33 AM	1451.001	4.461	10.869	-0.062
6/23/2017 9:36:34 AM	1452.001	4.462	10.855	-0.063
6/23/2017 9:36:35 AM	1453.001	4.464	10.880	-0.068
6/23/2017 9:36:36 AM	1454.001	4.467	10.888	-0.075
6/23/2017 9:36:37 AM	1455.001	4.461	10.858	-0.062
6/23/2017 9:36:38 AM	1456.001	4.464	10.865	-0.067
6/23/2017 9:36:39 AM	1457.231	4.466	10.842	-0.073
6/23/2017 9:36:40 AM	1458.001	4.468	10.885	-0.077
6/23/2017 9:36:41 AM	1459.001	4.465	10.873	-0.070
6/23/2017 9:36:42 AM	1460.001	4.463	10.855	-0.066
6/23/2017 9:36:43 AM	1461.001	4.460	10.827	-0.059
6/23/2017 9:36:44 AM	1462.001	4.464	10.830	-0.068
6/23/2017 9:36:45 AM	1463.001	4.467	10.854	-0.075
6/23/2017 9:36:46 AM	1464.001	4.462	10.874	-0.063
6/23/2017 9:36:47 AM	1465.001	4.464	10.866	-0.068
6/23/2017 9:36:48 AM	1466.001	4.464	10.878	-0.068
6/23/2017 9:36:49 AM	1467.001	4.460	10.860	-0.059
6/23/2017 9:36:50 AM	1468.268	4.463	10.860	-0.067
6/23/2017 9:36:51 AM	1469.001	4.461	10.877	-0.061
6/23/2017 9:36:52 AM	1470.001	4.464	10.847	-0.069
6/23/2017 9:36:53 AM	1471.001	4.462	10.847	-0.063
6/23/2017 9:36:54 AM	1472.001	4.466	10.854	-0.072
6/23/2017 9:36:55 AM	1473.001	4.462	10.844	-0.064
6/23/2017 9:36:56 AM	1474.001	4.461	10.861	-0.061
6/23/2017 9:36:57 AM	1475.001	4.462	10.851	-0.063
6/23/2017 9:36:58 AM	1476.001	4.462	10.855	-0.065
6/23/2017 9:36:59 AM	1477.001	4.465	10.888	-0.070
6/23/2017 9:37:00 AM	1478.266	4.463	10.902	-0.065
6/23/2017 9:37:01 AM	1479.001	4.463	10.885	-0.067
6/23/2017 9:37:02 AM	1480.001	4.463	10.861	-0.066
6/23/2017 9:37:03 AM	1481.001	4.463	10.864	-0.066
6/23/2017 9:37:04 AM	1482.001	4.463	10.844	-0.066
6/23/2017 9:37:05 AM	1483.001	4.464	10.833	-0.068
6/23/2017 9:37:06 AM	1484.001	4.463	10.870	-0.066
6/23/2017 9:37:07 AM	1485.001	4.460	10.874	-0.059
6/23/2017 9:37:08 AM	1486.001	4.463	10.872	-0.066
6/23/2017 9:37:09 AM	1487.001	4.464	10.835	-0.068
6/23/2017 9:37:10 AM	1488.265	4.459	10.869	-0.057
6/23/2017 9:37:11 AM	1489.001	4.463	10.863	-0.065
6/23/2017 9:37:12 AM	1490.001	4.462	10.849	-0.063
6/23/2017 9:37:13 AM	1491.001	4.465	10.840	-0.069
6/23/2017 9:37:14 AM	1492.001	4.463	10.855	-0.065
6/23/2017 9:37:15 AM	1493.001	4.462	10.855	-0.063
6/23/2017 9:37:16 AM	1494.001	4.463	10.855	-0.066
6/23/2017 9:37:17 AM	1495.001	4.463	10.861	-0.066
6/23/2017 9:37:18 AM	1496.001	4.460	10.847	-0.058

6/23/2017 9:37:19 AM	1497.001	4.464	10.847	-0.069
6/23/2017 9:37:20 AM	1498.296	4.462	10.893	-0.063
6/23/2017 9:37:21 AM	1499.001	4.462	10.874	-0.062
6/23/2017 9:37:22 AM	1500.001	4.463	10.876	-0.066
6/23/2017 9:37:23 AM	1501.001	4.464	10.860	-0.068
6/23/2017 9:37:24 AM	1502.001	4.463	10.866	-0.065
6/23/2017 9:37:25 AM	1503.001	4.463	10.863	-0.066
6/23/2017 9:37:26 AM	1504.001	4.461	10.844	-0.062
6/23/2017 9:37:27 AM	1505.001	4.463	10.839	-0.067
6/23/2017 9:37:28 AM	1506.001	4.463	10.874	-0.067
6/23/2017 9:37:29 AM	1507.226	4.463	10.864	-0.067
6/23/2017 9:37:30 AM	1508.001	4.464	10.841	-0.068
6/23/2017 9:37:31 AM	1509.001	4.464	10.847	-0.068
6/23/2017 9:37:32 AM	1510.001	4.463	10.866	-0.066
6/23/2017 9:37:33 AM	1511.001	4.462	10.894	-0.062
6/23/2017 9:37:34 AM	1512.001	4.463	10.839	-0.065
6/23/2017 9:37:35 AM	1513.001	4.458	10.858	-0.055
6/23/2017 9:37:36 AM	1514.001	4.461	10.860	-0.061
6/23/2017 9:37:37 AM	1515.001	4.459	10.849	-0.056
6/23/2017 9:37:38 AM	1516.001	4.462	10.849	-0.062
6/23/2017 9:37:39 AM	1517.001	4.463	10.891	-0.065
6/23/2017 9:37:40 AM	1518.297	4.463	10.885	-0.066
6/23/2017 9:37:41 AM	1519.001	4.466	10.876	-0.072
6/23/2017 9:37:42 AM	1520.001	4.460	10.869	-0.059
6/23/2017 9:37:43 AM	1521.001	4.459	10.858	-0.057
6/23/2017 9:37:44 AM	1522.001	4.461	10.872	-0.061
6/23/2017 9:37:45 AM	1523.001	4.461	10.841	-0.060
6/23/2017 9:37:46 AM	1524.001	4.462	10.837	-0.063
6/23/2017 9:37:47 AM	1525.001	4.461	10.854	-0.061
6/23/2017 9:37:48 AM	1526.001	4.461	10.864	-0.062
6/23/2017 9:37:49 AM	1527.001	4.461	10.860	-0.060
6/23/2017 9:37:50 AM	1528.262	4.463	10.862	-0.065
6/23/2017 9:37:51 AM	1529.001	4.462	10.858	-0.064
6/23/2017 9:37:52 AM	1530.001	4.459	10.869	-0.056
6/23/2017 9:37:53 AM	1531.001	4.461	10.826	-0.062
6/23/2017 9:37:54 AM	1532.001	4.461	10.841	-0.062
6/23/2017 9:37:55 AM	1533.001	4.463	10.875	-0.066
6/23/2017 9:37:56 AM	1534.001	4.463	10.851	-0.065
6/23/2017 9:37:57 AM	1535.001	4.457	10.862	-0.051
6/23/2017 9:37:58 AM	1536.001	4.461	10.867	-0.061
6/23/2017 9:37:59 AM	1537.001	4.462	10.843	-0.064
6/23/2017 9:38:00 AM	1538.261	4.459	10.869	-0.058
6/23/2017 9:38:01 AM	1539.001	4.459	10.861	-0.057
6/23/2017 9:38:02 AM	1540.001	4.461	10.876	-0.060
6/23/2017 9:38:03 AM	1541.001	4.461	10.846	-0.061
6/23/2017 9:38:04 AM	1542.001	4.465	10.858	-0.070
6/23/2017 9:38:05 AM	1543.001	4.461	10.863	-0.061
6/23/2017 9:38:06 AM	1544.001	4.459	10.860	-0.058
6/23/2017 9:38:07 AM	1545.001	4.461	10.837	-0.060
6/23/2017 9:38:08 AM	1546.001	4.461	10.862	-0.062
6/23/2017 9:38:09 AM	1547.001	4.462	10.886	-0.062
6/23/2017 9:38:10 AM	1548.259	4.462	10.892	-0.063
6/23/2017 9:38:11 AM	1549.001	4.463	10.845	-0.066
6/23/2017 9:38:12 AM	1550.001	4.461	10.849	-0.061
6/23/2017 9:38:13 AM	1551.001	4.461	10.866	-0.061
6/23/2017 9:38:14 AM	1552.001	4.461	10.852	-0.061
6/23/2017 9:38:15 AM	1553.001	4.461	10.827	-0.061
6/23/2017 9:38:16 AM	1554.001	4.461	10.852	-0.061
6/23/2017 9:38:17 AM	1555.025	4.458	10.844	-0.055
6/23/2017 9:38:18 AM	1556.001	4.460	10.847	-0.059
6/23/2017 9:38:19 AM	1557.219	4.463	10.855	-0.065
6/23/2017 9:38:20 AM	1558.001	4.458	10.858	-0.055
6/23/2017 9:38:21 AM	1559.001	4.460	10.841	-0.058

6/23/2017 9:38:22 AM	1560.001	4.463	10.855	-0.066
6/23/2017 9:38:23 AM	1561.001	4.461	10.819	-0.061
6/23/2017 9:38:24 AM	1562.001	4.461	10.862	-0.061
6/23/2017 9:38:25 AM	1563.001	4.459	10.880	-0.058
6/23/2017 9:38:26 AM	1564.001	4.463	10.832	-0.066
6/23/2017 9:38:27 AM	1565.001	4.460	10.857	-0.059
6/23/2017 9:38:28 AM	1566.001	4.461	10.848	-0.061
6/23/2017 9:38:29 AM	1567.001	4.463	10.823	-0.066
6/23/2017 9:38:30 AM	1568.290	4.459	10.885	-0.057
6/23/2017 9:38:31 AM	1569.001	4.458	10.874	-0.055
6/23/2017 9:38:32 AM	1570.001	4.457	10.875	-0.052
6/23/2017 9:38:33 AM	1571.001	4.458	10.868	-0.055
6/23/2017 9:38:34 AM	1572.001	4.460	10.852	-0.060
6/23/2017 9:38:35 AM	1573.001	4.463	10.866	-0.065
6/23/2017 9:38:36 AM	1574.001	4.459	10.875	-0.057
6/23/2017 9:38:37 AM	1575.001	4.460	10.863	-0.058
6/23/2017 9:38:38 AM	1576.001	4.461	10.827	-0.061
6/23/2017 9:38:39 AM	1577.001	4.461	10.828	-0.062
6/23/2017 9:38:40 AM	1578.259	4.458	10.872	-0.055
6/23/2017 9:38:41 AM	1579.001	4.458	10.852	-0.055
6/23/2017 9:38:42 AM	1580.001	4.459	10.835	-0.056
6/23/2017 9:38:43 AM	1581.001	4.460	10.825	-0.059
6/23/2017 9:38:44 AM	1582.001	4.462	10.832	-0.063
6/23/2017 9:38:45 AM	1583.001	4.458	10.865	-0.054
6/23/2017 9:38:46 AM	1584.001	4.460	10.873	-0.060
6/23/2017 9:38:47 AM	1585.001	4.458	10.875	-0.054
6/23/2017 9:38:48 AM	1586.001	4.460	10.841	-0.059
6/23/2017 9:38:49 AM	1587.001	4.462	10.831	-0.063
6/23/2017 9:38:50 AM	1588.001	4.460	10.836	-0.059
6/23/2017 9:38:51 AM	1589.001	4.462	10.888	-0.064
6/23/2017 9:38:52 AM	1590.001	4.460	10.856	-0.059
6/23/2017 9:38:53 AM	1591.001	4.458	10.852	-0.055
6/23/2017 9:38:54 AM	1592.001	4.459	10.849	-0.056
6/23/2017 9:38:55 AM	1593.001	4.460	10.855	-0.058
6/23/2017 9:38:56 AM	1594.001	4.460	10.828	-0.060
6/23/2017 9:38:57 AM	1595.001	4.458	10.849	-0.054
6/23/2017 9:38:58 AM	1596.001	4.459	10.838	-0.057
6/23/2017 9:38:59 AM	1597.001	4.460	10.833	-0.058
6/23/2017 9:39:00 AM	1598.001	4.457	10.860	-0.052
6/23/2017 9:39:01 AM	1599.001	4.455	10.869	-0.048
6/23/2017 9:39:02 AM	1600.001	4.457	10.860	-0.053
6/23/2017 9:39:03 AM	1601.001	4.458	10.872	-0.054
6/23/2017 9:39:04 AM	1602.001	4.458	10.863	-0.055
6/23/2017 9:39:05 AM	1603.001	4.458	10.862	-0.053
6/23/2017 9:39:06 AM	1604.001	4.458	10.852	-0.054
6/23/2017 9:39:07 AM	1605.001	4.459	10.872	-0.056
6/23/2017 9:39:08 AM	1606.001	4.459	10.858	-0.058
6/23/2017 9:39:09 AM	1607.001	4.458	10.820	-0.054
6/23/2017 9:39:10 AM	1608.001	4.458	10.845	-0.054
6/23/2017 9:39:11 AM	1609.001	4.459	10.833	-0.057
6/23/2017 9:39:12 AM	1610.001	4.459	10.845	-0.056
6/23/2017 9:39:13 AM	1611.001	4.459	10.838	-0.057
6/23/2017 9:39:14 AM	1612.001	4.458	10.844	-0.054
6/23/2017 9:39:15 AM	1613.001	4.460	10.855	-0.058
6/23/2017 9:39:16 AM	1614.001	4.459	10.860	-0.056
6/23/2017 9:39:17 AM	1615.001	4.461	10.826	-0.062
6/23/2017 9:39:18 AM	1616.001	4.459	10.891	-0.055
6/23/2017 9:39:19 AM	1617.001	4.457	10.872	-0.051
6/23/2017 9:39:20 AM	1618.001	4.460	10.843	-0.059
6/23/2017 9:39:21 AM	1619.001	4.459	10.853	-0.056
6/23/2017 9:39:22 AM	1620.001	4.458	10.823	-0.055
6/23/2017 9:39:23 AM	1621.001	4.456	10.852	-0.051
6/23/2017 9:39:24 AM	1622.001	4.458	10.839	-0.055

6/23/2017 9:39:25 AM	1623.001	4.458	10.848	-0.055
6/23/2017 9:39:26 AM	1624.001	4.457	10.817	-0.052
6/23/2017 9:39:27 AM	1625.001	4.458	10.866	-0.053
6/23/2017 9:39:28 AM	1626.001	4.456	10.838	-0.051
6/23/2017 9:39:29 AM	1627.001	4.455	10.870	-0.048
6/23/2017 9:39:30 AM	1628.001	4.458	10.885	-0.055
6/23/2017 9:39:31 AM	1629.001	4.458	10.871	-0.054
6/23/2017 9:39:32 AM	1630.001	4.460	10.830	-0.059
6/23/2017 9:39:33 AM	1631.001	4.458	10.848	-0.054
6/23/2017 9:39:34 AM	1632.001	4.459	10.823	-0.057
6/23/2017 9:39:35 AM	1633.001	4.456	10.830	-0.050
6/23/2017 9:39:36 AM	1634.001	4.457	10.852	-0.053
6/23/2017 9:39:37 AM	1635.001	4.458	10.848	-0.054
6/23/2017 9:39:38 AM	1636.001	4.456	10.860	-0.050
6/23/2017 9:39:39 AM	1637.001	4.458	10.869	-0.055
6/23/2017 9:39:40 AM	1638.001	4.457	10.847	-0.052
6/23/2017 9:39:41 AM	1639.001	4.457	10.871	-0.052
6/23/2017 9:39:42 AM	1640.001	4.456	10.863	-0.050
6/23/2017 9:39:43 AM	1641.001	4.456	10.820	-0.051
6/23/2017 9:39:44 AM	1642.001	4.458	10.838	-0.055
6/23/2017 9:39:45 AM	1643.001	4.457	10.889	-0.051
6/23/2017 9:39:46 AM	1644.001	4.458	10.874	-0.055
6/23/2017 9:39:47 AM	1645.001	4.458	10.872	-0.053
6/23/2017 9:39:48 AM	1646.001	4.455	10.848	-0.048
6/23/2017 9:39:49 AM	1647.001	4.461	10.824	-0.060
6/23/2017 9:39:50 AM	1648.001	4.457	10.822	-0.052
6/23/2017 9:39:51 AM	1649.001	4.455	10.831	-0.048
6/23/2017 9:39:52 AM	1650.001	4.458	10.827	-0.055
6/23/2017 9:39:53 AM	1651.001	4.459	10.849	-0.056
6/23/2017 9:39:54 AM	1652.001	4.460	10.847	-0.060
6/23/2017 9:39:55 AM	1653.001	4.457	10.849	-0.051
6/23/2017 9:39:56 AM	1654.001	4.459	10.845	-0.056
6/23/2017 9:39:57 AM	1655.001	4.455	10.859	-0.048
6/23/2017 9:39:58 AM	1656.001	4.455	10.853	-0.047
6/23/2017 9:39:59 AM	1657.001	4.454	10.856	-0.045
6/23/2017 9:40:00 AM	1658.001	4.458	10.843	-0.053
6/23/2017 9:40:01 AM	1659.001	4.456	10.818	-0.051
6/23/2017 9:40:02 AM	1660.001	4.459	10.837	-0.057
6/23/2017 9:40:03 AM	1661.001	4.456	10.861	-0.049
6/23/2017 9:40:04 AM	1662.001	4.456	10.858	-0.049
6/23/2017 9:40:05 AM	1663.001	4.455	10.858	-0.048
6/23/2017 9:40:06 AM	1664.001	4.457	10.845	-0.052
6/23/2017 9:40:07 AM	1665.001	4.458	10.835	-0.054
6/23/2017 9:40:08 AM	1666.001	4.455	10.847	-0.048
6/23/2017 9:40:09 AM	1667.001	4.457	10.831	-0.052
6/23/2017 9:40:10 AM	1668.001	4.455	10.844	-0.048
6/23/2017 9:40:11 AM	1669.001	4.459	10.859	-0.056
6/23/2017 9:40:12 AM	1670.001	4.457	10.863	-0.052
6/23/2017 9:40:13 AM	1671.001	4.455	10.838	-0.048
6/23/2017 9:40:14 AM	1672.001	4.455	10.838	-0.047
6/23/2017 9:40:15 AM	1673.001	4.456	10.843	-0.050
6/23/2017 9:40:16 AM	1674.001	4.456	10.853	-0.050
6/23/2017 9:40:17 AM	1675.001	4.455	10.846	-0.048
6/23/2017 9:40:18 AM	1676.001	4.457	10.847	-0.053
6/23/2017 9:40:19 AM	1677.001	4.457	10.856	-0.052
6/23/2017 9:40:20 AM	1678.001	4.456	10.835	-0.050
6/23/2017 9:40:21 AM	1679.001	4.458	10.874	-0.054
6/23/2017 9:40:22 AM	1680.001	4.455	10.857	-0.048
6/23/2017 9:40:23 AM	1681.001	4.458	10.867	-0.053
6/23/2017 9:40:24 AM	1682.001	4.457	10.863	-0.053
6/23/2017 9:40:25 AM	1683.001	4.455	10.845	-0.048
6/23/2017 9:40:26 AM	1684.001	4.458	10.854	-0.054
6/23/2017 9:40:27 AM	1685.001	4.456	10.841	-0.050

6/23/2017 9:40:28 AM	1686.001	4.457	10.852	-0.053
6/23/2017 9:40:29 AM	1687.001	4.455	10.840	-0.048
6/23/2017 9:40:30 AM	1688.001	4.453	10.877	-0.044
6/23/2017 9:40:31 AM	1689.001	4.455	10.837	-0.047
6/23/2017 9:40:32 AM	1690.001	4.454	10.838	-0.046
6/23/2017 9:40:33 AM	1691.001	4.456	10.848	-0.050
6/23/2017 9:40:34 AM	1692.001	4.456	10.851	-0.049
6/23/2017 9:40:35 AM	1693.001	4.456	10.835	-0.050
6/23/2017 9:40:36 AM	1694.001	4.459	10.872	-0.056
6/23/2017 9:40:37 AM	1695.001	4.455	10.847	-0.047
6/23/2017 9:40:38 AM	1696.001	4.456	10.846	-0.049
6/23/2017 9:40:39 AM	1697.001	4.456	10.848	-0.049
6/23/2017 9:40:40 AM	1698.001	4.455	10.841	-0.048
6/23/2017 9:40:41 AM	1699.001	4.456	10.866	-0.050
6/23/2017 9:40:42 AM	1700.001	4.457	10.852	-0.051
6/23/2017 9:40:43 AM	1701.001	4.454	10.835	-0.045
6/23/2017 9:40:44 AM	1702.001	4.455	10.845	-0.048
6/23/2017 9:40:45 AM	1703.001	4.457	10.855	-0.052
6/23/2017 9:40:46 AM	1704.001	4.456	10.835	-0.050
6/23/2017 9:40:47 AM	1705.001	4.460	10.866	-0.058
6/23/2017 9:40:48 AM	1706.001	4.458	10.878	-0.054
6/23/2017 9:40:49 AM	1707.001	4.455	10.838	-0.048
6/23/2017 9:40:50 AM	1708.001	4.455	10.840	-0.048
6/23/2017 9:40:51 AM	1709.001	4.457	10.859	-0.051
6/23/2017 9:40:52 AM	1710.001	4.456	10.860	-0.051
6/23/2017 9:40:53 AM	1711.001	4.454	10.863	-0.045
6/23/2017 9:40:54 AM	1712.001	4.454	10.858	-0.046
6/23/2017 9:40:55 AM	1713.001	4.457	10.841	-0.051
6/23/2017 9:40:56 AM	1714.001	4.457	10.818	-0.052
6/23/2017 9:40:57 AM	1715.001	4.453	10.829	-0.044
6/23/2017 9:40:58 AM	1716.001	4.455	10.866	-0.048
6/23/2017 9:40:59 AM	1717.001	4.455	10.833	-0.048
6/23/2017 9:41:00 AM	1718.001	4.454	10.847	-0.046
6/23/2017 9:41:01 AM	1719.001	4.457	10.851	-0.052
6/23/2017 9:41:02 AM	1720.001	4.455	10.831	-0.047
6/23/2017 9:41:03 AM	1721.001	4.454	10.816	-0.045
6/23/2017 9:41:04 AM	1722.001	4.455	10.841	-0.046
6/23/2017 9:41:05 AM	1723.001	4.454	10.870	-0.046
6/23/2017 9:41:06 AM	1724.001	4.455	10.866	-0.048
6/23/2017 9:41:07 AM	1725.001	4.458	10.834	-0.055
6/23/2017 9:41:08 AM	1726.001	4.454	10.847	-0.045
6/23/2017 9:41:09 AM	1727.001	4.454	10.837	-0.045
6/23/2017 9:41:10 AM	1728.001	4.455	10.852	-0.048
6/23/2017 9:41:11 AM	1729.001	4.453	10.848	-0.042
6/23/2017 9:41:12 AM	1730.001	4.455	10.860	-0.048
6/23/2017 9:41:13 AM	1731.001	4.455	10.838	-0.047
6/23/2017 9:41:14 AM	1732.001	4.455	10.852	-0.048
6/23/2017 9:41:15 AM	1733.001	4.454	10.849	-0.046
6/23/2017 9:41:16 AM	1734.001	4.455	10.850	-0.047
6/23/2017 9:41:17 AM	1735.001	4.451	10.841	-0.039
6/23/2017 9:41:18 AM	1736.001	4.453	10.845	-0.043
6/23/2017 9:41:19 AM	1737.001	4.455	10.846	-0.047
6/23/2017 9:41:20 AM	1738.001	4.455	10.848	-0.047
6/23/2017 9:41:21 AM	1739.001	4.454	10.849	-0.045
6/23/2017 9:41:22 AM	1740.001	4.455	10.851	-0.048
6/23/2017 9:41:23 AM	1741.001	4.457	10.860	-0.053
6/23/2017 9:41:24 AM	1742.001	4.456	10.831	-0.050
6/23/2017 9:41:25 AM	1743.001	4.454	10.858	-0.044
6/23/2017 9:41:26 AM	1744.001	4.455	10.856	-0.047
6/23/2017 9:41:27 AM	1745.001	4.454	10.838	-0.044
6/23/2017 9:41:28 AM	1746.001	4.457	10.856	-0.053
6/23/2017 9:41:29 AM	1747.001	4.454	10.839	-0.044
6/23/2017 9:41:30 AM	1748.001	4.454	10.834	-0.045

6/23/2017 9:41:31 AM	1749.001	4.457	10.855	-0.051
6/23/2017 9:41:32 AM	1750.001	4.456	10.836	-0.049
6/23/2017 9:41:33 AM	1751.001	4.453	10.832	-0.043
6/23/2017 9:41:34 AM	1752.001	4.457	10.850	-0.051
6/23/2017 9:41:35 AM	1753.001	4.454	10.843	-0.045
6/23/2017 9:41:36 AM	1754.001	4.453	10.844	-0.043
6/23/2017 9:41:37 AM	1755.001	4.456	10.852	-0.051
6/23/2017 9:41:38 AM	1756.001	4.453	10.826	-0.044
6/23/2017 9:41:39 AM	1757.001	4.455	10.829	-0.048
6/23/2017 9:41:40 AM	1758.001	4.452	10.841	-0.039
6/23/2017 9:41:41 AM	1759.001	4.455	10.833	-0.047
6/23/2017 9:41:42 AM	1760.001	4.454	10.866	-0.045
6/23/2017 9:41:43 AM	1761.001	4.453	10.822	-0.042
6/23/2017 9:41:44 AM	1762.001	4.453	10.844	-0.043
6/23/2017 9:41:45 AM	1763.001	4.455	10.844	-0.047
6/23/2017 9:41:46 AM	1764.001	4.455	10.845	-0.047
6/23/2017 9:41:47 AM	1765.001	4.457	10.829	-0.051
6/23/2017 9:41:48 AM	1766.001	4.455	10.826	-0.048
6/23/2017 9:41:49 AM	1767.001	4.455	10.842	-0.046
6/23/2017 9:41:50 AM	1768.001	4.453	10.856	-0.044
6/23/2017 9:41:51 AM	1769.001	4.451	10.849	-0.039
6/23/2017 9:41:52 AM	1770.001	4.455	10.815	-0.047
6/23/2017 9:41:53 AM	1771.001	4.454	10.853	-0.046
6/23/2017 9:41:54 AM	1772.001	4.453	10.837	-0.043
6/23/2017 9:41:55 AM	1773.001	4.453	10.843	-0.044
6/23/2017 9:41:56 AM	1774.001	4.453	10.845	-0.043
6/23/2017 9:41:57 AM	1775.002	4.454	10.832	-0.046
6/23/2017 9:41:58 AM	1776.002	4.454	10.824	-0.044
6/23/2017 9:41:59 AM	1777.002	4.453	10.845	-0.043
6/23/2017 9:42:00 AM	1778.002	4.452	10.861	-0.041
6/23/2017 9:42:01 AM	1779.002	4.453	10.844	-0.044
6/23/2017 9:42:02 AM	1780.002	4.452	10.844	-0.041
6/23/2017 9:42:03 AM	1781.002	4.452	10.838	-0.041
6/23/2017 9:42:04 AM	1782.002	4.453	10.847	-0.043
6/23/2017 9:42:05 AM	1783.001	4.454	10.834	-0.044
6/23/2017 9:42:06 AM	1784.001	4.454	10.807	-0.044
6/23/2017 9:42:07 AM	1785.001	4.454	10.848	-0.045
6/23/2017 9:42:08 AM	1786.001	4.452	10.845	-0.041
6/23/2017 9:42:09 AM	1787.001	4.454	10.841	-0.044
6/23/2017 9:42:10 AM	1788.001	4.453	10.828	-0.043
6/23/2017 9:42:11 AM	1789.001	4.453	10.855	-0.042
6/23/2017 9:42:12 AM	1790.001	4.452	10.809	-0.041
6/23/2017 9:42:13 AM	1791.001	4.454	10.840	-0.044
6/23/2017 9:42:14 AM	1792.001	4.454	10.842	-0.044
6/23/2017 9:42:15 AM	1793.001	4.454	10.851	-0.044
6/23/2017 9:42:16 AM	1794.001	4.454	10.839	-0.045
6/23/2017 9:42:17 AM	1795.001	4.450	10.845	-0.037
6/23/2017 9:42:18 AM	1796.001	4.451	10.847	-0.038
6/23/2017 9:42:19 AM	1797.001	4.455	10.832	-0.047
6/23/2017 9:42:20 AM	1798.001	4.451	10.843	-0.038
6/23/2017 9:42:21 AM	1799.001	4.453	10.872	-0.043
6/23/2017 9:42:22 AM	1800.001	4.454	10.852	-0.046
6/23/2017 9:42:23 AM	1801.001	4.450	10.867	-0.035
6/23/2017 9:42:24 AM	1802.001	4.454	10.842	-0.046
6/23/2017 9:42:25 AM	1803.001	4.455	10.827	-0.047
6/23/2017 9:42:26 AM	1804.001	4.451	10.872	-0.037
6/23/2017 9:42:27 AM	1805.001	4.454	10.875	-0.045
6/23/2017 9:42:28 AM	1806.001	4.455	10.830	-0.046
6/23/2017 9:42:29 AM	1807.001	4.453	10.820	-0.042
6/23/2017 9:42:30 AM	1808.001	4.452	10.844	-0.041
6/23/2017 9:42:31 AM	1809.001	4.453	10.841	-0.043
6/23/2017 9:42:32 AM	1810.001	4.455	10.850	-0.047
6/23/2017 9:42:33 AM	1811.001	4.452	10.846	-0.040

6/23/2017 9:42:34 AM	1812.001	4.452	10.853	-0.040
6/23/2017 9:42:35 AM	1813.001	4.450	10.862	-0.035
6/23/2017 9:42:36 AM	1814.001	4.453	10.823	-0.042
6/23/2017 9:42:37 AM	1815.001	4.452	10.822	-0.041
6/23/2017 9:42:38 AM	1816.001	4.449	10.835	-0.034
6/23/2017 9:42:39 AM	1817.001	4.455	10.855	-0.047
6/23/2017 9:42:40 AM	1818.001	4.455	10.856	-0.047
6/23/2017 9:42:41 AM	1819.001	4.453	10.840	-0.042
6/23/2017 9:42:42 AM	1820.001	4.453	10.836	-0.043
6/23/2017 9:42:43 AM	1821.001	4.450	10.829	-0.037
6/23/2017 9:42:44 AM	1822.001	4.451	10.867	-0.038
6/23/2017 9:42:45 AM	1823.001	4.452	10.827	-0.040
6/23/2017 9:42:46 AM	1824.001	4.454	10.834	-0.044
6/23/2017 9:42:47 AM	1825.001	4.454	10.819	-0.044
6/23/2017 9:42:48 AM	1826.001	4.453	10.847	-0.042
6/23/2017 9:42:49 AM	1827.001	4.451	10.844	-0.038
6/23/2017 9:42:50 AM	1828.001	4.452	10.832	-0.039
6/23/2017 9:42:51 AM	1829.001	4.451	10.827	-0.039
6/23/2017 9:42:52 AM	1830.001	4.453	10.859	-0.042
6/23/2017 9:42:53 AM	1831.001	4.453	10.836	-0.043
6/23/2017 9:42:54 AM	1832.001	4.453	10.858	-0.042
6/23/2017 9:42:55 AM	1833.001	4.450	10.827	-0.035
6/23/2017 9:42:56 AM	1834.001	4.453	10.843	-0.043
6/23/2017 9:42:57 AM	1835.001	4.452	10.835	-0.041
6/23/2017 9:42:58 AM	1836.001	4.454	10.858	-0.046
6/23/2017 9:42:59 AM	1837.001	4.450	10.838	-0.036
6/23/2017 9:43:00 AM	1838.001	4.452	10.860	-0.040
6/23/2017 9:43:01 AM	1839.001	4.454	10.830	-0.044
6/23/2017 9:43:02 AM	1840.001	4.453	10.825	-0.044
6/23/2017 9:43:03 AM	1841.001	4.452	10.837	-0.041
6/23/2017 9:43:04 AM	1842.001	4.450	10.847	-0.036
6/23/2017 9:43:05 AM	1843.001	4.452	10.830	-0.040
6/23/2017 9:43:06 AM	1844.001	4.454	10.852	-0.044
6/23/2017 9:43:07 AM	1845.001	4.453	10.841	-0.043
6/23/2017 9:43:08 AM	1846.001	4.453	10.855	-0.044
6/23/2017 9:43:09 AM	1847.001	4.449	10.830	-0.034
6/23/2017 9:43:10 AM	1848.001	4.452	10.827	-0.039
6/23/2017 9:43:11 AM	1849.001	4.451	10.853	-0.039
6/23/2017 9:43:12 AM	1850.001	4.450	10.816	-0.037
6/23/2017 9:43:13 AM	1851.001	4.449	10.827	-0.035
6/23/2017 9:43:14 AM	1852.001	4.450	10.855	-0.036
6/23/2017 9:43:15 AM	1853.001	4.455	10.830	-0.047
6/23/2017 9:43:16 AM	1854.001	4.451	10.832	-0.038
6/23/2017 9:43:17 AM	1855.001	4.453	10.828	-0.044
6/23/2017 9:43:18 AM	1856.001	4.451	10.828	-0.038
6/23/2017 9:43:19 AM	1857.001	4.450	10.866	-0.035
6/23/2017 9:43:20 AM	1858.001	4.451	10.826	-0.037
6/23/2017 9:43:21 AM	1859.001	4.455	10.855	-0.048
6/23/2017 9:43:22 AM	1860.001	4.449	10.855	-0.035
6/23/2017 9:43:23 AM	1861.001	4.452	10.838	-0.041
6/23/2017 9:43:24 AM	1862.001	4.454	10.843	-0.044
6/23/2017 9:43:25 AM	1863.001	4.451	10.841	-0.037
6/23/2017 9:43:26 AM	1864.001	4.453	10.842	-0.042
6/23/2017 9:43:27 AM	1865.001	4.450	10.852	-0.036
6/23/2017 9:43:28 AM	1866.001	4.450	10.841	-0.036
6/23/2017 9:43:29 AM	1867.001	4.450	10.854	-0.037
6/23/2017 9:43:30 AM	1868.002	4.451	10.860	-0.037
6/23/2017 9:43:31 AM	1869.002	4.451	10.854	-0.039
6/23/2017 9:43:32 AM	1870.002	4.450	10.831	-0.037
6/23/2017 9:43:33 AM	1871.002	4.454	10.831	-0.044
6/23/2017 9:43:34 AM	1872.002	4.451	10.836	-0.038
6/23/2017 9:43:35 AM	1873.002	4.451	10.833	-0.038
6/23/2017 9:43:36 AM	1874.002	4.450	10.822	-0.036

6/23/2017 9:43:37 AM	1875.001	4.451	10.824	-0.038
6/23/2017 9:43:38 AM	1876.001	4.448	10.822	-0.031
6/23/2017 9:43:39 AM	1877.001	4.449	10.813	-0.034
6/23/2017 9:43:40 AM	1878.002	4.451	10.860	-0.038
6/23/2017 9:43:41 AM	1879.002	4.451	10.826	-0.039
6/23/2017 9:43:42 AM	1880.002	4.449	10.849	-0.034
6/23/2017 9:43:43 AM	1881.002	4.449	10.844	-0.033
6/23/2017 9:43:44 AM	1882.002	4.450	10.847	-0.035
6/23/2017 9:43:45 AM	1883.002	4.451	10.830	-0.038
6/23/2017 9:43:46 AM	1884.002	4.450	10.848	-0.036
6/23/2017 9:43:47 AM	1885.002	4.450	10.812	-0.035
6/23/2017 9:43:48 AM	1886.002	4.451	10.842	-0.037
6/23/2017 9:43:49 AM	1887.001	4.446	10.828	-0.028
6/23/2017 9:43:50 AM	1888.001	4.450	10.822	-0.036
6/23/2017 9:43:51 AM	1889.001	4.454	10.839	-0.044
6/23/2017 9:43:52 AM	1890.001	4.448	10.852	-0.032
6/23/2017 9:43:53 AM	1891.001	4.448	10.846	-0.031
6/23/2017 9:43:54 AM	1892.001	4.452	10.844	-0.040
6/23/2017 9:43:55 AM	1893.001	4.448	10.841	-0.031
6/23/2017 9:43:56 AM	1894.001	4.447	10.856	-0.029
6/23/2017 9:43:57 AM	1895.001	4.451	10.819	-0.039
6/23/2017 9:43:58 AM	1896.001	4.449	10.810	-0.033
6/23/2017 9:43:59 AM	1897.001	4.447	10.829	-0.029
6/23/2017 9:44:00 AM	1898.001	4.452	10.849	-0.041
6/23/2017 9:44:01 AM	1899.001	4.447	10.849	-0.028
6/23/2017 9:44:02 AM	1900.001	4.450	10.852	-0.037
6/23/2017 9:44:03 AM	1901.001	4.450	10.843	-0.037
6/23/2017 9:44:04 AM	1902.001	4.453	10.842	-0.042
6/23/2017 9:44:05 AM	1903.001	4.449	10.852	-0.034
6/23/2017 9:44:06 AM	1904.001	4.447	10.849	-0.029
6/23/2017 9:44:07 AM	1905.001	4.453	10.831	-0.042
6/23/2017 9:44:08 AM	1906.001	4.448	10.839	-0.031
6/23/2017 9:44:09 AM	1907.001	4.447	10.861	-0.029
6/23/2017 9:44:10 AM	1908.001	4.450	10.864	-0.037
6/23/2017 9:44:11 AM	1909.001	4.448	10.849	-0.032
6/23/2017 9:44:12 AM	1910.001	4.450	10.820	-0.035
6/23/2017 9:44:13 AM	1911.001	4.451	10.821	-0.038
6/23/2017 9:44:14 AM	1912.001	4.451	10.810	-0.037
6/23/2017 9:44:15 AM	1913.001	4.450	10.852	-0.037
6/23/2017 9:44:16 AM	1914.001	4.447	10.863	-0.030
6/23/2017 9:44:17 AM	1915.001	4.452	10.842	-0.040
6/23/2017 9:44:18 AM	1916.001	4.451	10.847	-0.038
6/23/2017 9:44:19 AM	1917.001	4.449	10.842	-0.033
6/23/2017 9:44:20 AM	1918.001	4.450	10.852	-0.036
6/23/2017 9:44:21 AM	1919.001	4.449	10.854	-0.034
6/23/2017 9:44:22 AM	1920.001	4.448	10.832	-0.031
6/23/2017 9:44:23 AM	1921.001	4.451	10.863	-0.038
6/23/2017 9:44:24 AM	1922.001	4.448	10.835	-0.032
6/23/2017 9:44:25 AM	1923.001	4.450	10.819	-0.036
6/23/2017 9:44:26 AM	1924.001	4.449	10.830	-0.033
6/23/2017 9:44:27 AM	1925.001	4.449	10.831	-0.034
6/23/2017 9:44:28 AM	1926.001	4.451	10.845	-0.038
6/23/2017 9:44:29 AM	1927.001	4.448	10.816	-0.031
6/23/2017 9:44:30 AM	1928.001	4.450	10.811	-0.036
6/23/2017 9:44:31 AM	1929.001	4.451	10.844	-0.037
6/23/2017 9:44:32 AM	1930.001	4.450	10.822	-0.036
6/23/2017 9:44:33 AM	1931.001	4.448	10.858	-0.032
6/23/2017 9:44:34 AM	1932.001	4.448	10.877	-0.031
6/23/2017 9:44:35 AM	1933.001	4.448	10.844	-0.032
6/23/2017 9:44:36 AM	1934.001	4.449	10.830	-0.034
6/23/2017 9:44:37 AM	1935.001	4.449	10.849	-0.034
6/23/2017 9:44:38 AM	1936.001	4.449	10.841	-0.034
6/23/2017 9:44:39 AM	1937.001	4.448	10.844	-0.031

6/23/2017 9:44:40 AM	1938.001	4.448	10.835	-0.031
6/23/2017 9:44:41 AM	1939.001	4.446	10.849	-0.027
6/23/2017 9:44:42 AM	1940.001	4.447	10.845	-0.028
6/23/2017 9:44:43 AM	1941.001	4.450	10.828	-0.036
6/23/2017 9:44:44 AM	1942.001	4.448	10.855	-0.032
6/23/2017 9:44:45 AM	1943.001	4.450	10.835	-0.036
6/23/2017 9:44:46 AM	1944.001	4.448	10.833	-0.030
6/23/2017 9:44:47 AM	1945.001	4.450	10.841	-0.035
6/23/2017 9:44:48 AM	1946.001	4.450	10.841	-0.037
6/23/2017 9:44:49 AM	1947.001	4.448	10.818	-0.032
6/23/2017 9:44:50 AM	1948.001	4.445	10.833	-0.025
6/23/2017 9:44:51 AM	1949.001	4.450	10.839	-0.036
6/23/2017 9:44:52 AM	1950.001	4.450	10.854	-0.035
6/23/2017 9:44:53 AM	1951.001	4.447	10.848	-0.030
6/23/2017 9:44:54 AM	1952.001	4.449	10.826	-0.034
6/23/2017 9:44:55 AM	1953.001	4.448	10.818	-0.032
6/23/2017 9:44:56 AM	1954.001	4.447	10.832	-0.029
6/23/2017 9:44:57 AM	1955.001	4.452	10.835	-0.040
6/23/2017 9:44:58 AM	1956.001	4.448	10.849	-0.031
6/23/2017 9:44:59 AM	1957.001	4.448	10.813	-0.032
6/23/2017 9:45:00 AM	1958.001	4.451	10.858	-0.038
6/23/2017 9:45:01 AM	1959.001	4.447	10.823	-0.029
6/23/2017 9:45:02 AM	1960.001	4.449	10.866	-0.034
6/23/2017 9:45:03 AM	1961.001	4.450	10.857	-0.036
6/23/2017 9:45:04 AM	1962.001	4.448	10.864	-0.032
6/23/2017 9:45:05 AM	1963.001	4.449	10.833	-0.033
6/23/2017 9:45:06 AM	1964.001	4.451	10.851	-0.038
6/23/2017 9:45:07 AM	1965.001	4.446	10.858	-0.027
6/23/2017 9:45:08 AM	1966.001	4.447	10.833	-0.030
6/23/2017 9:45:09 AM	1967.001	4.447	10.828	-0.029
6/23/2017 9:45:10 AM	1968.001	4.450	10.840	-0.036
6/23/2017 9:45:11 AM	1969.001	4.448	10.853	-0.031
6/23/2017 9:45:12 AM	1970.001	4.451	10.817	-0.037
6/23/2017 9:45:13 AM	1971.001	4.445	10.825	-0.025
6/23/2017 9:45:14 AM	1972.001	4.448	10.809	-0.031
6/23/2017 9:45:15 AM	1973.001	4.448	10.838	-0.031
6/23/2017 9:45:16 AM	1974.001	4.450	10.838	-0.036
6/23/2017 9:45:17 AM	1975.001	4.446	10.816	-0.028
6/23/2017 9:45:18 AM	1976.001	4.448	10.810	-0.030
6/23/2017 9:45:19 AM	1977.001	4.448	10.822	-0.030
6/23/2017 9:45:20 AM	1978.001	4.448	10.840	-0.032
6/23/2017 9:45:21 AM	1979.001	4.446	10.858	-0.027
6/23/2017 9:45:22 AM	1980.001	4.448	10.861	-0.032
6/23/2017 9:45:23 AM	1981.001	4.446	10.846	-0.027
6/23/2017 9:45:24 AM	1982.001	4.447	10.821	-0.029
6/23/2017 9:45:25 AM	1983.001	4.448	10.827	-0.031
6/23/2017 9:45:26 AM	1984.001	4.449	10.810	-0.034
6/23/2017 9:45:27 AM	1985.001	4.447	10.808	-0.030
6/23/2017 9:45:28 AM	1986.001	4.449	10.841	-0.034
6/23/2017 9:45:29 AM	1987.001	4.448	10.816	-0.031
6/23/2017 9:45:30 AM	1988.001	4.448	10.847	-0.031
6/23/2017 9:45:31 AM	1989.001	4.447	10.833	-0.030
6/23/2017 9:45:32 AM	1990.001	4.449	10.843	-0.034
6/23/2017 9:45:33 AM	1991.001	4.447	10.850	-0.029
6/23/2017 9:45:34 AM	1992.001	4.448	10.819	-0.031
6/23/2017 9:45:35 AM	1993.001	4.448	10.860	-0.031
6/23/2017 9:45:36 AM	1994.001	4.450	10.847	-0.037
6/23/2017 9:45:37 AM	1995.001	4.448	10.853	-0.031
6/23/2017 9:45:38 AM	1996.001	4.448	10.815	-0.031
6/23/2017 9:45:39 AM	1997.001	4.447	10.820	-0.029
6/23/2017 9:45:40 AM	1998.001	4.448	10.833	-0.030
6/23/2017 9:45:41 AM	1999.001	4.446	10.811	-0.027
6/23/2017 9:45:42 AM	2000.001	4.446	10.852	-0.027

6/23/2017 9:45:43 AM	2001.001	4.447	10.821	-0.030
6/23/2017 9:45:44 AM	2002.001	4.447	10.837	-0.029
6/23/2017 9:45:45 AM	2003.001	4.447	10.847	-0.028
6/23/2017 9:45:46 AM	2004.001	4.448	10.833	-0.031
6/23/2017 9:45:47 AM	2005.001	4.447	10.825	-0.028
6/23/2017 9:45:48 AM	2006.001	4.446	10.819	-0.026
6/23/2017 9:45:49 AM	2007.001	4.448	10.841	-0.031
6/23/2017 9:45:50 AM	2008.001	4.449	10.839	-0.034
6/23/2017 9:45:51 AM	2009.001	4.445	10.846	-0.023
6/23/2017 9:45:52 AM	2010.001	4.450	10.820	-0.035
6/23/2017 9:45:53 AM	2011.001	4.446	10.844	-0.027
6/23/2017 9:45:54 AM	2012.001	4.449	10.855	-0.033
6/23/2017 9:45:55 AM	2013.001	4.448	10.845	-0.032
6/23/2017 9:45:56 AM	2014.001	4.445	10.835	-0.024
6/23/2017 9:45:57 AM	2015.001	4.447	10.841	-0.028
6/23/2017 9:45:58 AM	2016.001	4.446	10.819	-0.026
6/23/2017 9:45:59 AM	2017.001	4.447	10.826	-0.028
6/23/2017 9:46:00 AM	2018.001	4.448	10.848	-0.031
6/23/2017 9:46:01 AM	2019.001	4.448	10.814	-0.031
6/23/2017 9:46:02 AM	2020.001	4.446	10.839	-0.026
6/23/2017 9:46:03 AM	2021.001	4.445	10.813	-0.025
6/23/2017 9:46:04 AM	2022.001	4.445	10.824	-0.023
6/23/2017 9:46:05 AM	2023.001	4.447	10.830	-0.028
6/23/2017 9:46:06 AM	2024.001	4.446	10.816	-0.027
6/23/2017 9:46:07 AM	2025.001	4.445	10.857	-0.025
6/23/2017 9:46:08 AM	2026.001	4.448	10.837	-0.032
6/23/2017 9:46:09 AM	2027.001	4.447	10.858	-0.028
6/23/2017 9:46:10 AM	2028.001	4.445	10.833	-0.024
6/23/2017 9:46:11 AM	2029.001	4.447	10.834	-0.028
6/23/2017 9:46:12 AM	2030.001	4.443	10.819	-0.020
6/23/2017 9:46:13 AM	2031.001	4.445	10.834	-0.024
6/23/2017 9:46:14 AM	2032.001	4.449	10.823	-0.033
6/23/2017 9:46:15 AM	2033.001	4.448	10.859	-0.031
6/23/2017 9:46:16 AM	2034.001	4.446	10.839	-0.027
6/23/2017 9:46:17 AM	2035.001	4.445	10.832	-0.025
6/23/2017 9:46:18 AM	2036.001	4.446	10.822	-0.028
6/23/2017 9:46:19 AM	2037.001	4.449	10.824	-0.033
6/23/2017 9:46:20 AM	2038.001	4.447	10.839	-0.029
6/23/2017 9:46:21 AM	2039.001	4.446	10.835	-0.025
6/23/2017 9:46:22 AM	2040.001	4.445	10.835	-0.024
6/23/2017 9:46:23 AM	2041.001	4.446	10.815	-0.027
6/23/2017 9:46:24 AM	2042.001	4.445	10.838	-0.025
6/23/2017 9:46:25 AM	2043.001	4.446	10.847	-0.027
6/23/2017 9:46:26 AM	2044.001	4.442	10.819	-0.018
6/23/2017 9:46:27 AM	2045.001	4.444	10.840	-0.023
6/23/2017 9:46:28 AM	2046.001	4.448	10.849	-0.032
6/23/2017 9:46:29 AM	2047.001	4.446	10.827	-0.026
6/23/2017 9:46:30 AM	2048.001	4.444	10.839	-0.022
6/23/2017 9:46:31 AM	2049.001	4.441	10.830	-0.014
6/23/2017 9:46:32 AM	2050.001	4.446	10.837	-0.028
6/23/2017 9:46:33 AM	2051.001	4.446	10.827	-0.028
6/23/2017 9:46:34 AM	2052.001	4.446	10.835	-0.027
6/23/2017 9:46:35 AM	2053.001	4.447	10.807	-0.029
6/23/2017 9:46:36 AM	2054.001	4.448	10.833	-0.032
6/23/2017 9:46:37 AM	2055.001	4.446	10.803	-0.027
6/23/2017 9:46:38 AM	2056.001	4.443	10.837	-0.020
6/23/2017 9:46:39 AM	2057.001	4.445	10.826	-0.023
6/23/2017 9:46:40 AM	2058.001	4.445	10.823	-0.025
6/23/2017 9:46:41 AM	2059.001	4.445	10.850	-0.025
6/23/2017 9:46:42 AM	2060.001	4.446	10.823	-0.026
6/23/2017 9:46:43 AM	2061.001	4.447	10.822	-0.029
6/23/2017 9:46:44 AM	2062.001	4.445	10.821	-0.025
6/23/2017 9:46:45 AM	2063.001	4.445	10.855	-0.024

6/23/2017 9:46:46 AM	2064.001	4.445	10.816	-0.024
6/23/2017 9:46:47 AM	2065.001	4.446	10.833	-0.026
6/23/2017 9:46:48 AM	2066.001	4.443	10.836	-0.019
6/23/2017 9:46:49 AM	2067.001	4.446	10.806	-0.028
6/23/2017 9:46:50 AM	2068.001	4.446	10.835	-0.028
6/23/2017 9:46:51 AM	2069.001	4.444	10.809	-0.022
6/23/2017 9:46:52 AM	2070.001	4.445	10.830	-0.023
6/23/2017 9:46:53 AM	2071.001	4.447	10.863	-0.029
6/23/2017 9:46:54 AM	2072.001	4.444	10.842	-0.023
6/23/2017 9:46:55 AM	2073.001	4.444	10.839	-0.022
6/23/2017 9:46:56 AM	2074.001	4.444	10.819	-0.023
6/23/2017 9:46:57 AM	2075.001	4.445	10.830	-0.025
6/23/2017 9:46:58 AM	2076.001	4.446	10.835	-0.026
6/23/2017 9:46:59 AM	2077.001	4.444	10.819	-0.023
6/23/2017 9:47:00 AM	2078.001	4.443	10.806	-0.020
6/23/2017 9:47:01 AM	2079.001	4.443	10.838	-0.019
6/23/2017 9:47:02 AM	2080.001	4.445	10.826	-0.023
6/23/2017 9:47:03 AM	2081.001	4.445	10.830	-0.025
6/23/2017 9:47:04 AM	2082.001	4.446	10.818	-0.026
6/23/2017 9:47:05 AM	2083.001	4.442	10.830	-0.016
6/23/2017 9:47:06 AM	2084.001	4.444	10.841	-0.023
6/23/2017 9:47:07 AM	2085.001	4.442	10.836	-0.018
6/23/2017 9:47:08 AM	2086.001	4.447	10.801	-0.030
6/23/2017 9:47:09 AM	2087.001	4.446	10.829	-0.026
6/23/2017 9:47:10 AM	2088.002	4.444	10.841	-0.022
6/23/2017 9:47:11 AM	2089.002	4.443	10.861	-0.019
6/23/2017 9:47:12 AM	2090.002	4.446	10.838	-0.026
6/23/2017 9:47:13 AM	2091.002	4.444	10.851	-0.022
6/23/2017 9:47:14 AM	2092.002	4.444	10.849	-0.021
6/23/2017 9:47:15 AM	2093.002	4.446	10.805	-0.027
6/23/2017 9:47:16 AM	2094.001	4.444	10.831	-0.023
6/23/2017 9:47:17 AM	2095.001	4.445	10.847	-0.025
6/23/2017 9:47:18 AM	2096.001	4.442	10.845	-0.016
6/23/2017 9:47:19 AM	2097.001	4.444	10.852	-0.022
6/23/2017 9:47:20 AM	2098.001	4.445	10.821	-0.024
6/23/2017 9:47:21 AM	2099.001	4.444	10.849	-0.023
6/23/2017 9:47:22 AM	2100.001	4.444	10.838	-0.021
6/23/2017 9:47:23 AM	2101.001	4.443	10.833	-0.019
6/23/2017 9:47:24 AM	2102.001	4.442	10.837	-0.017
6/23/2017 9:47:25 AM	2103.001	4.442	10.854	-0.018
6/23/2017 9:47:26 AM	2104.001	4.444	10.847	-0.021
6/23/2017 9:47:27 AM	2105.001	4.447	10.835	-0.028
6/23/2017 9:47:28 AM	2106.001	4.442	10.827	-0.018
6/23/2017 9:47:29 AM	2107.001	4.444	10.824	-0.022
6/23/2017 9:47:30 AM	2108.002	4.444	10.813	-0.021
6/23/2017 9:47:31 AM	2109.002	4.445	10.827	-0.023
6/23/2017 9:47:32 AM	2110.002	4.443	10.835	-0.019
6/23/2017 9:47:33 AM	2111.002	4.443	10.823	-0.020
6/23/2017 9:47:34 AM	2112.002	4.445	10.831	-0.023
6/23/2017 9:47:35 AM	2113.002	4.445	10.841	-0.024
6/23/2017 9:47:36 AM	2114.002	4.446	10.824	-0.026
6/23/2017 9:47:37 AM	2115.001	4.445	10.823	-0.024
6/23/2017 9:47:38 AM	2116.001	4.444	10.833	-0.021
6/23/2017 9:47:39 AM	2117.001	4.442	10.808	-0.017
6/23/2017 9:47:40 AM	2118.001	4.443	10.829	-0.020
6/23/2017 9:47:41 AM	2119.001	4.443	10.855	-0.020
6/23/2017 9:47:42 AM	2120.001	4.443	10.854	-0.020
6/23/2017 9:47:43 AM	2121.001	4.445	10.824	-0.025
6/23/2017 9:47:44 AM	2122.001	4.444	10.860	-0.022
6/23/2017 9:47:45 AM	2123.001	4.442	10.832	-0.018
6/23/2017 9:47:46 AM	2124.001	4.444	10.844	-0.021
6/23/2017 9:47:47 AM	2125.001	4.443	10.844	-0.019
6/23/2017 9:47:48 AM	2126.001	4.443	10.849	-0.019

6/23/2017 9:47:49 AM	2127.001	4.441	10.840	-0.016
6/23/2017 9:47:50 AM	2128.001	4.444	10.813	-0.021
6/23/2017 9:47:51 AM	2129.001	4.444	10.852	-0.022
6/23/2017 9:47:52 AM	2130.001	4.445	10.840	-0.023
6/23/2017 9:47:53 AM	2131.001	4.440	10.819	-0.014
6/23/2017 9:47:54 AM	2132.001	4.440	10.822	-0.012
6/23/2017 9:47:55 AM	2133.001	4.442	10.828	-0.016
6/23/2017 9:47:56 AM	2134.001	4.442	10.830	-0.018
6/23/2017 9:47:57 AM	2135.001	4.444	10.819	-0.021
6/23/2017 9:47:58 AM	2136.001	4.441	10.826	-0.015
6/23/2017 9:47:59 AM	2137.001	4.443	10.813	-0.020
6/23/2017 9:48:00 AM	2138.001	4.445	10.837	-0.023
6/23/2017 9:48:01 AM	2139.001	4.442	10.868	-0.018
6/23/2017 9:48:02 AM	2140.001	4.442	10.830	-0.017
6/23/2017 9:48:03 AM	2141.001	4.442	10.839	-0.016
6/23/2017 9:48:04 AM	2142.001	4.440	10.849	-0.012
6/23/2017 9:48:05 AM	2143.001	4.443	10.811	-0.019
6/23/2017 9:48:06 AM	2144.001	4.442	10.832	-0.018
6/23/2017 9:48:07 AM	2145.001	4.444	10.832	-0.022
6/23/2017 9:48:08 AM	2146.001	4.443	10.844	-0.019
6/23/2017 9:48:09 AM	2147.001	4.443	10.820	-0.019
6/23/2017 9:48:10 AM	2148.001	4.443	10.836	-0.020
6/23/2017 9:48:11 AM	2149.001	4.440	10.832	-0.014
6/23/2017 9:48:12 AM	2150.001	4.442	10.827	-0.018
6/23/2017 9:48:13 AM	2151.001	4.441	10.817	-0.014
6/23/2017 9:48:14 AM	2152.001	4.441	10.840	-0.015
6/23/2017 9:48:15 AM	2153.001	4.444	10.809	-0.021
6/23/2017 9:48:16 AM	2154.001	4.442	10.819	-0.018
6/23/2017 9:48:17 AM	2155.001	4.440	10.857	-0.012
6/23/2017 9:48:18 AM	2156.001	4.445	10.826	-0.023
6/23/2017 9:48:19 AM	2157.001	4.443	10.819	-0.019
6/23/2017 9:48:20 AM	2158.001	4.441	10.819	-0.014
6/23/2017 9:48:21 AM	2159.001	4.442	10.845	-0.017
6/23/2017 9:48:22 AM	2160.001	4.444	10.864	-0.023
6/23/2017 9:48:23 AM	2161.001	4.444	10.806	-0.021
6/23/2017 9:48:24 AM	2162.001	4.439	10.833	-0.010
6/23/2017 9:48:25 AM	2163.001	4.441	10.835	-0.016
6/23/2017 9:48:26 AM	2164.001	4.443	10.815	-0.021
6/23/2017 9:48:27 AM	2165.001	4.440	10.819	-0.013
6/23/2017 9:48:28 AM	2166.001	4.441	10.844	-0.015
6/23/2017 9:48:29 AM	2167.001	4.440	10.797	-0.013
6/23/2017 9:48:30 AM	2168.001	4.441	10.845	-0.015
6/23/2017 9:48:31 AM	2169.001	4.442	10.827	-0.016
6/23/2017 9:48:32 AM	2170.001	4.445	10.830	-0.023
6/23/2017 9:48:33 AM	2171.001	4.443	10.847	-0.019
6/23/2017 9:48:34 AM	2172.001	4.444	10.824	-0.022
6/23/2017 9:48:35 AM	2173.001	4.442	10.796	-0.018
6/23/2017 9:48:36 AM	2174.001	4.442	10.827	-0.016
6/23/2017 9:48:37 AM	2175.001	4.442	10.850	-0.018
6/23/2017 9:48:38 AM	2176.001	4.440	10.827	-0.013
6/23/2017 9:48:39 AM	2177.001	4.441	10.838	-0.015
6/23/2017 9:48:40 AM	2178.001	4.441	10.837	-0.015
6/23/2017 9:48:41 AM	2179.001	4.440	10.839	-0.013
6/23/2017 9:48:42 AM	2180.001	4.440	10.816	-0.012
6/23/2017 9:48:43 AM	2181.001	4.442	10.816	-0.017
6/23/2017 9:48:44 AM	2182.001	4.439	10.835	-0.010
6/23/2017 9:48:45 AM	2183.001	4.443	10.871	-0.020
6/23/2017 9:48:46 AM	2184.001	4.440	10.819	-0.012
6/23/2017 9:48:47 AM	2185.001	4.442	10.801	-0.017
6/23/2017 9:48:48 AM	2186.001	4.439	10.811	-0.011
6/23/2017 9:48:49 AM	2187.001	4.440	10.838	-0.012
6/23/2017 9:48:50 AM	2188.001	4.439	10.828	-0.011
6/23/2017 9:48:51 AM	2189.001	4.442	10.809	-0.017

6/23/2017 9:48:52 AM	2190.001	4.440	10.805	-0.013
6/23/2017 9:48:53 AM	2191.001	4.442	10.847	-0.017
6/23/2017 9:48:54 AM	2192.001	4.442	10.842	-0.017
6/23/2017 9:48:55 AM	2193.001	4.444	10.824	-0.021
6/23/2017 9:48:56 AM	2194.001	4.441	10.822	-0.014
6/23/2017 9:48:57 AM	2195.001	4.441	10.803	-0.015
6/23/2017 9:48:58 AM	2196.001	4.442	10.812	-0.018
6/23/2017 9:48:59 AM	2197.001	4.440	10.811	-0.012
6/23/2017 9:49:00 AM	2198.001	4.443	10.843	-0.019
6/23/2017 9:49:01 AM	2199.001	4.438	10.806	-0.009
6/23/2017 9:49:02 AM	2200.001	4.438	10.812	-0.008
6/23/2017 9:49:03 AM	2201.001	4.442	10.821	-0.017
6/23/2017 9:49:04 AM	2202.001	4.441	10.827	-0.015
6/23/2017 9:49:05 AM	2203.001	4.440	10.866	-0.012
6/23/2017 9:49:06 AM	2204.001	4.438	10.826	-0.007
6/23/2017 9:49:07 AM	2205.001	4.441	10.824	-0.014
6/23/2017 9:49:08 AM	2206.001	4.438	10.838	-0.008
6/23/2017 9:49:09 AM	2207.001	4.441	10.828	-0.015
6/23/2017 9:49:10 AM	2208.001	4.440	10.830	-0.014
6/23/2017 9:49:11 AM	2209.001	4.438	10.838	-0.007
6/23/2017 9:49:12 AM	2210.001	4.440	10.825	-0.013
6/23/2017 9:49:13 AM	2211.004	4.439	10.841	-0.011
6/23/2017 9:49:14 AM	2212.001	4.437	10.821	-0.005
6/23/2017 9:49:15 AM	2213.001	4.441	10.820	-0.014
6/23/2017 9:49:16 AM	2214.001	4.438	10.820	-0.008
6/23/2017 9:49:17 AM	2215.079	4.438	10.854	-0.008
6/23/2017 9:49:18 AM	2216.001	4.436	10.880	-0.004
6/23/2017 9:49:19 AM	2217.001	4.433	10.813	0.003
6/23/2017 9:49:20 AM	2218.001	4.438	10.826	-0.009
6/23/2017 9:49:21 AM	2219.048	4.439	10.838	-0.011
6/23/2017 9:49:22 AM	2220.001	4.439	10.825	-0.011
6/23/2017 9:49:23 AM	2221.001	4.440	10.830	-0.013
6/23/2017 9:49:24 AM	2222.001	4.439	10.812	-0.010
6/23/2017 9:49:25 AM	2223.104	4.440	10.865	-0.012
6/23/2017 9:49:26 AM	2224.001	4.438	10.830	-0.008
6/23/2017 9:49:27 AM	2225.001	4.436	10.833	-0.002
6/23/2017 9:49:28 AM	2226.001	4.437	10.852	-0.007
6/23/2017 9:49:29 AM	2227.067	4.441	10.879	-0.015
6/23/2017 9:49:30 AM	2228.001	4.438	10.858	-0.008
6/23/2017 9:49:31 AM	2229.001	4.436	10.832	-0.004
6/23/2017 9:49:32 AM	2230.001	4.439	10.854	-0.011
6/23/2017 9:49:33 AM	2231.045	4.443	10.859	-0.020
6/23/2017 9:49:34 AM	2232.001	4.438	10.816	-0.008
6/23/2017 9:49:35 AM	2233.001	4.440	10.874	-0.013
6/23/2017 9:49:36 AM	2234.001	4.440	10.835	-0.013
6/23/2017 9:49:37 AM	2235.101	4.439	10.861	-0.009
6/23/2017 9:49:38 AM	2236.001	4.439	10.844	-0.011
6/23/2017 9:49:39 AM	2237.001	4.438	10.833	-0.008
6/23/2017 9:49:40 AM	2238.001	4.437	10.836	-0.006
6/23/2017 9:49:41 AM	2239.067	4.439	10.856	-0.011
6/23/2017 9:49:42 AM	2240.001	4.439	10.802	-0.010
6/23/2017 9:49:43 AM	2241.001	4.439	10.838	-0.011
6/23/2017 9:49:44 AM	2242.001	4.439	10.838	-0.010
6/23/2017 9:49:45 AM	2243.047	4.439	10.833	-0.010
6/23/2017 9:49:46 AM	2244.001	4.436	10.861	-0.002
6/23/2017 9:49:47 AM	2245.001	4.436	10.841	-0.002
6/23/2017 9:49:48 AM	2246.001	4.439	10.810	-0.010
6/23/2017 9:49:49 AM	2247.103	4.437	10.868	-0.006
6/23/2017 9:49:50 AM	2248.001	4.437	10.863	-0.005
6/23/2017 9:49:51 AM	2249.001	4.437	10.838	-0.007
6/23/2017 9:49:52 AM	2250.001	4.437	10.842	-0.005
6/23/2017 9:49:53 AM	2251.001	4.439	10.784	-0.011
6/23/2017 9:49:54 AM	2252.001	4.437	10.822	-0.005

6/23/2017 9:49:55 AM	2253.001	4.439	10.826	-0.010
6/23/2017 9:49:56 AM	2254.001	4.437	10.805	-0.006
6/23/2017 9:49:57 AM	2255.001	4.439	10.799	-0.010
6/23/2017 9:49:58 AM	2256.001	4.438	10.857	-0.009
6/23/2017 9:49:59 AM	2257.001	4.438	10.848	-0.007
6/23/2017 9:50:00 AM	2258.001	4.438	10.796	-0.008
6/23/2017 9:50:01 AM	2259.001	4.440	10.813	-0.012
6/23/2017 9:50:02 AM	2260.001	4.437	10.847	-0.005
6/23/2017 9:50:03 AM	2261.001	4.438	10.810	-0.009
6/23/2017 9:50:04 AM	2262.001	4.438	10.849	-0.009
6/23/2017 9:50:05 AM	2263.001	4.436	10.831	-0.004
6/23/2017 9:50:06 AM	2264.001	4.438	10.844	-0.008
6/23/2017 9:50:07 AM	2265.001	4.437	10.832	-0.006
6/23/2017 9:50:08 AM	2266.001	4.437	10.846	-0.005
6/23/2017 9:50:09 AM	2267.001	4.436	10.824	-0.004
6/23/2017 9:50:10 AM	2268.001	4.438	10.847	-0.009
6/23/2017 9:50:11 AM	2269.001	4.439	10.825	-0.011
6/23/2017 9:50:12 AM	2270.001	4.435	10.830	-0.001
6/23/2017 9:50:13 AM	2271.001	4.438	10.810	-0.008
6/23/2017 9:50:14 AM	2272.001	4.437	10.833	-0.006
6/23/2017 9:50:15 AM	2273.001	4.436	10.830	-0.004
6/23/2017 9:50:16 AM	2274.001	4.433	10.832	0.003
6/23/2017 9:50:17 AM	2275.001	4.438	10.862	-0.007
6/23/2017 9:50:18 AM	2276.001	4.437	10.829	-0.006
6/23/2017 9:50:19 AM	2277.001	4.438	10.830	-0.008
6/23/2017 9:50:20 AM	2278.001	4.436	10.807	-0.003
6/23/2017 9:50:21 AM	2279.001	4.438	10.852	-0.008
6/23/2017 9:50:22 AM	2280.001	4.439	10.803	-0.010
6/23/2017 9:50:23 AM	2281.001	4.438	10.830	-0.007
6/23/2017 9:50:24 AM	2282.001	4.440	10.843	-0.013
6/23/2017 9:50:25 AM	2283.001	4.439	10.844	-0.009
6/23/2017 9:50:26 AM	2284.001	4.434	10.822	0.001
6/23/2017 9:50:27 AM	2285.001	4.437	10.853	-0.007
6/23/2017 9:50:28 AM	2286.001	4.434	10.835	0.000
6/23/2017 9:50:29 AM	2287.001	4.438	10.816	-0.009
6/23/2017 9:50:30 AM	2288.001	4.437	10.847	-0.005
6/23/2017 9:50:31 AM	2289.001	4.436	10.823	-0.002
6/23/2017 9:50:32 AM	2290.001	4.438	10.835	-0.008
6/23/2017 9:50:33 AM	2291.001	4.434	10.832	0.002
6/23/2017 9:50:34 AM	2292.001	4.439	10.837	-0.010
6/23/2017 9:50:35 AM	2293.001	4.434	10.847	0.001
6/23/2017 9:50:36 AM	2294.001	4.436	10.850	-0.004
6/23/2017 9:50:37 AM	2295.001	4.436	10.824	-0.004
6/23/2017 9:50:38 AM	2296.001	4.434	10.821	0.001
6/23/2017 9:50:39 AM	2297.001	4.436	10.835	-0.003
6/23/2017 9:50:40 AM	2298.001	4.436	10.839	-0.003
6/23/2017 9:50:41 AM	2299.001	4.438	10.859	-0.009
6/23/2017 9:50:42 AM	2300.001	4.435	10.802	-0.002
6/23/2017 9:50:43 AM	2301.001	4.435	10.841	-0.002
6/23/2017 9:50:44 AM	2302.001	4.435	10.814	-0.001
6/23/2017 9:50:45 AM	2303.001	4.438	10.796	-0.007
6/23/2017 9:50:46 AM	2304.001	4.437	10.808	-0.005
6/23/2017 9:50:47 AM	2305.001	4.435	10.814	-0.002
6/23/2017 9:50:48 AM	2306.001	4.437	10.823	-0.005
6/23/2017 9:50:49 AM	2307.001	4.435	10.820	-0.002
6/23/2017 9:50:50 AM	2308.001	4.437	10.817	-0.007
6/23/2017 9:50:51 AM	2309.001	4.438	10.810	-0.008
6/23/2017 9:50:52 AM	2310.001	4.435	10.808	-0.001
6/23/2017 9:50:53 AM	2311.001	4.437	10.811	-0.006
6/23/2017 9:50:54 AM	2312.001	4.435	10.825	-0.002
6/23/2017 9:50:55 AM	2313.001	4.436	10.824	-0.004
6/23/2017 9:50:56 AM	2314.001	4.436	10.846	-0.003
6/23/2017 9:50:57 AM	2315.001	4.436	10.830	-0.003

6/23/2017 9:50:58 AM	2316.001	4.439	10.812	-0.010
6/23/2017 9:50:59 AM	2317.001	4.435	10.863	-0.001
6/23/2017 9:51:00 AM	2318.001	4.439	10.813	-0.010
6/23/2017 9:51:01 AM	2319.001	4.437	10.832	-0.006
6/23/2017 9:51:02 AM	2320.001	4.437	10.833	-0.006
6/23/2017 9:51:03 AM	2321.001	4.436	10.830	-0.004
6/23/2017 9:51:04 AM	2322.001	4.434	10.812	0.001
6/23/2017 9:51:05 AM	2323.001	4.436	10.835	-0.002
6/23/2017 9:51:06 AM	2324.001	4.432	10.812	0.006
6/23/2017 9:51:07 AM	2325.001	4.431	10.830	0.008
6/23/2017 9:51:08 AM	2326.001	4.437	10.822	-0.005
6/23/2017 9:51:09 AM	2327.001	4.435	10.798	-0.001
6/23/2017 9:51:10 AM	2328.001	4.434	10.848	0.001
6/23/2017 9:51:11 AM	2329.001	4.434	10.815	0.000
6/23/2017 9:51:12 AM	2330.001	4.436	10.816	-0.004
6/23/2017 9:51:13 AM	2331.001	4.434	10.837	0.002
6/23/2017 9:51:14 AM	2332.001	4.434	10.854	0.001
6/23/2017 9:51:15 AM	2333.001	4.437	10.807	-0.005
6/23/2017 9:51:16 AM	2334.001	4.435	10.834	-0.002
6/23/2017 9:51:17 AM	2335.001	4.437	10.842	-0.005
6/23/2017 9:51:18 AM	2336.001	4.434	10.816	0.002
6/23/2017 9:51:19 AM	2337.001	4.434	10.828	0.001
6/23/2017 9:51:20 AM	2338.001	4.435	10.827	-0.002
6/23/2017 9:51:21 AM	2339.001	4.432	10.847	0.005
6/23/2017 9:51:22 AM	2340.001	4.436	10.857	-0.004
6/23/2017 9:51:23 AM	2341.001	4.435	10.844	-0.000
6/23/2017 9:51:24 AM	2342.001	4.433	10.795	0.003
6/23/2017 9:51:25 AM	2343.001	4.435	10.837	-0.001
6/23/2017 9:51:26 AM	2344.001	4.436	10.830	-0.003
6/23/2017 9:51:27 AM	2345.001	4.433	10.833	0.004

Report Date: 7/10/2017 9:44:40 AM
Report User Name: dalmond
Report Computer Name: PINEWRKMA25-PC
Application: WinSitu.exe
Application Version: 5.6.25.0

Log File Properties:
File Name: CH-MW018 FH3_2017-07-10_09-44-36-374.wsl
Create Date: 7/10/2017 9:41:19 AM

Device Properties:
Device: Level TROLL 700
Site: Camp Hero
Device Name: Level Troll 700
Serial Number: 402202
Firmware Version: 3.02
Hardware Version: 4
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 21
Used Battery(%): 12

Log Configuration
Log Name: CH-MW018 FH3
Created By: Unknown
Computer Name: Pocket PC
Application: WinSituMobile.exe
Application Version: 5.6.0.10
Create Date: 3/5/2006 5:12:03 AM Eastern Standard Time
Log Setup Time Zone: Eastern Standard Time
Notes Size(bytes): 4096
Overwrite when full: Disabled
Scheduled Start Time: Manual Start
Scheduled Stop Time: No Stop Time
Type: Step Test
Steps: 2 (Linear)
Step: 1
Duration: Days: 0 hrs: 00 mins: 02 secs: 00
Interval: Days: 0 hrs: 00 mins: 00 secs: 00.500
Step: 2
Duration: Days: 0 hrs: 10 mins: 00 secs: 00
Interval: Days: 0 hrs: 00 mins: 00 secs: 01

Level Reference Settings At Log Creation
Level Measurement Mode: Level Depth To Water
Specific Gravity: 0.999
Level Reference Mode: Set new reference
Level Reference Value: 0 (ft)
Level Reference Head Pressure: 4.28907 (PSI)

Other Log Settings
Pressure Offset: 0.00335646 (PSI)
Depth of Probe: 9.90893 (ft)
Head Pressure: 4.29149 (PSI)
Temperature: 11.5625 (C)

Log Notes:

Date and Time	Note
6/23/2017 10:52:45 AM	Used Battery: 12% Used Memory: 23% User Name: Unknown
6/23/2017 10:53:05 AM	Manual Start Command
6/23/2017 10:54:56 AM	Log Download - Used Battery: 12% Used Memory: 23% User Name: Unknown
6/23/2017 11:20:51 AM	Log Download - Used Battery: 12% Used Memory: 23% User Name: Unknown
6/23/2017 11:28:57 AM	Used Battery: 12% Used Memory: 23% User Name: Unknown
6/23/2017 11:28:57 AM	Manual Stop Command

Log Data:
Record Count: 2273
Sensors: 1
1 - 402202: Pressure/Temp 30 PSIG (21m/69ft)
Time Zone: Eastern Daylight Time

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 69ft SN#: 402202 Pressure (PSI)	Sensor: Pres(G) 69ft SN#: 402202 Temperature (C)	Sensor: Pres(G) 69ft SN#: 402202 Level Depth To Water (ft)
6/23/2017 10:53:05 AM	0.000	4.292	11.588	-0.006
6/23/2017 10:53:05 AM	0.501	4.287	11.593	0.004
6/23/2017 10:53:06 AM	1.001	4.293	11.569	-0.009
6/23/2017 10:53:06 AM	1.501	4.293	11.584	-0.008
6/23/2017 10:53:07 AM	2.001	4.290	11.589	-0.001
6/23/2017 10:53:07 AM	2.501	4.292	11.609	-0.008
6/23/2017 10:53:08 AM	3.001	4.596	11.598	-0.708
6/23/2017 10:53:08 AM	3.501	4.744	11.596	-1.051
6/23/2017 10:53:09 AM	4.028	4.836	11.577	-1.264
6/23/2017 10:53:09 AM	4.501	4.622	11.606	-0.769
6/23/2017 10:53:10 AM	5.001	4.120	11.576	0.391
6/23/2017 10:53:10 AM	5.501	4.493	11.601	-0.471
6/23/2017 10:53:11 AM	6.001	4.446	11.581	-0.363
6/23/2017 10:53:11 AM	6.501	4.414	11.588	-0.287
6/23/2017 10:53:12 AM	7.001	4.404	11.605	-0.264
6/23/2017 10:53:12 AM	7.501	4.398	11.607	-0.252
6/23/2017 10:53:13 AM	8.001	4.396	11.612	-0.246
6/23/2017 10:53:13 AM	8.501	4.396	11.593	-0.246
6/23/2017 10:53:14 AM	9.001	4.395	11.601	-0.244
6/23/2017 10:53:14 AM	9.501	4.398	11.636	-0.252
6/23/2017 10:53:15 AM	10.001	4.397	11.596	-0.248
6/23/2017 10:53:15 AM	10.501	4.398	11.596	-0.251
6/23/2017 10:53:16 AM	11.001	4.396	11.586	-0.246
6/23/2017 10:53:16 AM	11.501	4.397	11.620	-0.249
6/23/2017 10:53:17 AM	12.001	4.398	11.598	-0.253
6/23/2017 10:53:17 AM	12.501	4.395	11.590	-0.244
6/23/2017 10:53:18 AM	13.001	4.396	11.581	-0.246
6/23/2017 10:53:18 AM	13.501	4.396	11.615	-0.247
6/23/2017 10:53:19 AM	14.001	4.396	11.594	-0.247
6/23/2017 10:53:19 AM	14.501	4.397	11.608	-0.250
6/23/2017 10:53:20 AM	15.001	4.395	11.591	-0.245
6/23/2017 10:53:20 AM	15.501	4.394	11.617	-0.242
6/23/2017 10:53:21 AM	16.001	4.397	11.620	-0.249
6/23/2017 10:53:21 AM	16.501	4.393	11.608	-0.241
6/23/2017 10:53:22 AM	17.001	4.394	11.602	-0.243
6/23/2017 10:53:22 AM	17.501	4.398	11.589	-0.251
6/23/2017 10:53:23 AM	18.001	4.401	11.605	-0.258
6/23/2017 10:53:23 AM	18.501	4.404	11.612	-0.265
6/23/2017 10:53:24 AM	19.001	4.403	11.598	-0.263
6/23/2017 10:53:24 AM	19.501	4.403	11.598	-0.264
6/23/2017 10:53:25 AM	20.001	4.400	11.620	-0.257

6/23/2017 10:53:25 AM	20.501	4.401	11.619	-0.258
6/23/2017 10:53:26 AM	21.001	4.404	11.615	-0.266
6/23/2017 10:53:26 AM	21.501	4.405	11.609	-0.268
6/23/2017 10:53:27 AM	22.001	4.403	11.598	-0.262
6/23/2017 10:53:27 AM	22.501	4.406	11.605	-0.269
6/23/2017 10:53:28 AM	23.001	4.402	11.612	-0.260
6/23/2017 10:53:28 AM	23.501	4.402	11.629	-0.261
6/23/2017 10:53:29 AM	24.001	4.401	11.612	-0.259
6/23/2017 10:53:29 AM	24.501	4.402	11.612	-0.261
6/23/2017 10:53:30 AM	25.001	4.399	11.620	-0.254
6/23/2017 10:53:30 AM	25.501	4.404	11.607	-0.265
6/23/2017 10:53:31 AM	26.001	4.403	11.595	-0.262
6/23/2017 10:53:31 AM	26.501	4.404	11.617	-0.266
6/23/2017 10:53:32 AM	27.001	4.402	11.620	-0.261
6/23/2017 10:53:32 AM	27.501	4.400	11.638	-0.257
6/23/2017 10:53:33 AM	28.001	4.402	11.620	-0.261
6/23/2017 10:53:33 AM	28.501	4.400	11.626	-0.255
6/23/2017 10:53:34 AM	29.001	4.404	11.634	-0.265
6/23/2017 10:53:34 AM	29.504	4.399	11.605	-0.253
6/23/2017 10:53:35 AM	30.001	4.400	11.615	-0.257
6/23/2017 10:53:35 AM	30.501	4.399	11.624	-0.255
6/23/2017 10:53:36 AM	31.001	4.401	11.651	-0.260
6/23/2017 10:53:36 AM	31.501	4.401	11.612	-0.258
6/23/2017 10:53:37 AM	32.001	4.401	11.610	-0.258
6/23/2017 10:53:38 AM	32.765	4.402	11.627	-0.260
6/23/2017 10:53:38 AM	33.001	4.402	11.607	-0.261
6/23/2017 10:53:38 AM	33.501	4.402	11.637	-0.260
6/23/2017 10:53:39 AM	34.001	4.402	11.634	-0.261
6/23/2017 10:53:39 AM	34.501	4.403	11.628	-0.263
6/23/2017 10:53:40 AM	35.001	4.401	11.615	-0.257
6/23/2017 10:53:40 AM	35.501	4.401	11.647	-0.259
6/23/2017 10:53:41 AM	36.001	4.399	11.624	-0.254
6/23/2017 10:53:41 AM	36.501	4.401	11.609	-0.259
6/23/2017 10:53:42 AM	37.001	4.400	11.618	-0.255
6/23/2017 10:53:42 AM	37.501	4.401	11.654	-0.258
6/23/2017 10:53:43 AM	38.001	4.402	11.607	-0.262
6/23/2017 10:53:43 AM	38.501	4.401	11.621	-0.258
6/23/2017 10:53:44 AM	39.001	4.401	11.604	-0.259
6/23/2017 10:53:44 AM	39.501	4.403	11.618	-0.263
6/23/2017 10:53:45 AM	40.001	4.402	11.622	-0.260
6/23/2017 10:53:45 AM	40.501	4.402	11.652	-0.260
6/23/2017 10:53:46 AM	41.001	4.402	11.634	-0.260
6/23/2017 10:53:46 AM	41.517	4.403	11.637	-0.262
6/23/2017 10:53:47 AM	42.001	4.402	11.618	-0.260
6/23/2017 10:53:48 AM	42.801	4.401	11.627	-0.258
6/23/2017 10:53:48 AM	43.001	4.401	11.632	-0.258
6/23/2017 10:53:48 AM	43.501	4.403	11.652	-0.263
6/23/2017 10:53:49 AM	44.001	4.403	11.615	-0.264
6/23/2017 10:53:49 AM	44.501	4.401	11.635	-0.258
6/23/2017 10:53:50 AM	45.001	4.399	11.615	-0.254
6/23/2017 10:53:50 AM	45.501	4.402	11.640	-0.261
6/23/2017 10:53:51 AM	46.001	4.400	11.633	-0.256
6/23/2017 10:53:51 AM	46.501	4.400	11.640	-0.256
6/23/2017 10:53:52 AM	47.001	4.400	11.654	-0.257
6/23/2017 10:53:52 AM	47.501	4.401	11.632	-0.259
6/23/2017 10:53:53 AM	48.001	4.400	11.598	-0.255
6/23/2017 10:53:53 AM	48.501	4.399	11.635	-0.254
6/23/2017 10:53:54 AM	49.001	4.401	11.648	-0.258
6/23/2017 10:53:54 AM	49.501	4.398	11.648	-0.253
6/23/2017 10:53:55 AM	50.001	4.398	11.632	-0.252
6/23/2017 10:53:55 AM	50.501	4.398	11.618	-0.252
6/23/2017 10:53:56 AM	51.001	4.401	11.631	-0.258
6/23/2017 10:53:56 AM	51.501	4.399	11.634	-0.254

6/23/2017 10:53:57 AM	52.001	4.400	11.661	-0.257
6/23/2017 10:53:57 AM	52.501	4.400	11.624	-0.257
6/23/2017 10:53:58 AM	53.001	4.399	11.640	-0.254
6/23/2017 10:53:58 AM	53.501	4.401	11.635	-0.258
6/23/2017 10:53:59 AM	54.001	4.400	11.650	-0.257
6/23/2017 10:53:59 AM	54.501	4.398	11.609	-0.252
6/23/2017 10:54:00 AM	55.001	4.399	11.616	-0.254
6/23/2017 10:54:00 AM	55.501	4.400	11.628	-0.256
6/23/2017 10:54:01 AM	56.001	4.400	11.637	-0.256
6/23/2017 10:54:01 AM	56.501	4.398	11.624	-0.251
6/23/2017 10:54:02 AM	57.001	4.396	11.629	-0.248
6/23/2017 10:54:02 AM	57.501	4.399	11.637	-0.255
6/23/2017 10:54:03 AM	58.001	4.398	11.613	-0.253
6/23/2017 10:54:03 AM	58.501	4.398	11.626	-0.253
6/23/2017 10:54:04 AM	59.001	4.398	11.642	-0.251
6/23/2017 10:54:04 AM	59.501	4.399	11.634	-0.254
6/23/2017 10:54:05 AM	60.001	4.399	11.605	-0.253
6/23/2017 10:54:05 AM	60.501	4.398	11.626	-0.251
6/23/2017 10:54:06 AM	61.001	4.397	11.624	-0.249
6/23/2017 10:54:06 AM	61.501	4.399	11.609	-0.255
6/23/2017 10:54:07 AM	62.001	4.399	11.623	-0.253
6/23/2017 10:54:07 AM	62.501	4.400	11.663	-0.255
6/23/2017 10:54:08 AM	63.001	4.401	11.640	-0.258
6/23/2017 10:54:09 AM	63.802	4.399	11.670	-0.254
6/23/2017 10:54:09 AM	64.001	4.397	11.648	-0.250
6/23/2017 10:54:09 AM	64.501	4.396	11.639	-0.248
6/23/2017 10:54:10 AM	65.001	4.399	11.635	-0.253
6/23/2017 10:54:10 AM	65.501	4.397	11.608	-0.249
6/23/2017 10:54:11 AM	66.001	4.400	11.646	-0.255
6/23/2017 10:54:11 AM	66.501	4.398	11.662	-0.252
6/23/2017 10:54:12 AM	67.001	4.398	11.665	-0.252
6/23/2017 10:54:12 AM	67.501	4.397	11.663	-0.250
6/23/2017 10:54:13 AM	68.001	4.398	11.630	-0.251
6/23/2017 10:54:13 AM	68.501	4.398	11.639	-0.252
6/23/2017 10:54:14 AM	69.001	4.398	11.643	-0.252
6/23/2017 10:54:14 AM	69.501	4.396	11.634	-0.246
6/23/2017 10:54:15 AM	70.001	4.400	11.662	-0.255
6/23/2017 10:54:15 AM	70.501	4.397	11.663	-0.248
6/23/2017 10:54:16 AM	71.001	4.398	11.647	-0.251
6/23/2017 10:54:16 AM	71.501	4.398	11.615	-0.252
6/23/2017 10:54:17 AM	72.001	4.398	11.626	-0.252
6/23/2017 10:54:17 AM	72.501	4.398	11.621	-0.251
6/23/2017 10:54:18 AM	73.001	4.394	11.643	-0.242
6/23/2017 10:54:19 AM	73.800	4.398	11.654	-0.252
6/23/2017 10:54:19 AM	74.001	4.395	11.694	-0.246
6/23/2017 10:54:19 AM	74.501	4.396	11.663	-0.247
6/23/2017 10:54:20 AM	75.001	4.398	11.655	-0.252
6/23/2017 10:54:20 AM	75.501	4.396	11.637	-0.247
6/23/2017 10:54:21 AM	76.001	4.398	11.667	-0.252
6/23/2017 10:54:21 AM	76.501	4.398	11.646	-0.251
6/23/2017 10:54:22 AM	77.007	4.398	11.647	-0.252
6/23/2017 10:54:22 AM	77.501	4.401	11.645	-0.259
6/23/2017 10:54:23 AM	78.001	4.396	11.653	-0.248
6/23/2017 10:54:23 AM	78.501	4.399	11.629	-0.255
6/23/2017 10:54:24 AM	79.001	4.395	11.665	-0.245
6/23/2017 10:54:24 AM	79.501	4.399	11.659	-0.254
6/23/2017 10:54:25 AM	80.001	4.397	11.661	-0.250
6/23/2017 10:54:25 AM	80.501	4.399	11.643	-0.254
6/23/2017 10:54:26 AM	81.001	4.397	11.636	-0.250
6/23/2017 10:54:26 AM	81.501	4.396	11.620	-0.248
6/23/2017 10:54:27 AM	82.001	4.397	11.639	-0.250
6/23/2017 10:54:27 AM	82.501	4.395	11.643	-0.245
6/23/2017 10:54:28 AM	83.001	4.399	11.634	-0.253

6/23/2017 10:54:29 AM	83.800	4.396	11.645	-0.247
6/23/2017 10:54:29 AM	84.001	4.397	11.661	-0.249
6/23/2017 10:54:29 AM	84.501	4.398	11.651	-0.252
6/23/2017 10:54:30 AM	85.001	4.396	11.636	-0.248
6/23/2017 10:54:30 AM	85.501	4.396	11.643	-0.246
6/23/2017 10:54:31 AM	86.001	4.395	11.678	-0.244
6/23/2017 10:54:31 AM	86.501	4.398	11.634	-0.253
6/23/2017 10:54:32 AM	87.001	4.395	11.632	-0.245
6/23/2017 10:54:32 AM	87.501	4.396	11.633	-0.246
6/23/2017 10:54:33 AM	88.001	4.395	11.643	-0.245
6/23/2017 10:54:33 AM	88.501	4.397	11.646	-0.250
6/23/2017 10:54:34 AM	89.001	4.399	11.622	-0.253
6/23/2017 10:54:34 AM	89.501	4.397	11.648	-0.249
6/23/2017 10:54:35 AM	90.001	4.397	11.651	-0.250
6/23/2017 10:54:35 AM	90.503	4.399	11.643	-0.253
6/23/2017 10:54:36 AM	91.001	4.395	11.679	-0.245
6/23/2017 10:54:36 AM	91.501	4.397	11.665	-0.248
6/23/2017 10:54:37 AM	92.001	4.397	11.667	-0.249
6/23/2017 10:54:37 AM	92.501	4.398	11.640	-0.251
6/23/2017 10:54:38 AM	93.001	4.398	11.695	-0.252
6/23/2017 10:54:38 AM	93.501	4.394	11.692	-0.243
6/23/2017 10:54:39 AM	94.011	4.397	11.669	-0.249
6/23/2017 10:54:39 AM	94.501	4.399	11.646	-0.253
6/23/2017 10:54:40 AM	95.001	4.398	11.654	-0.251
6/23/2017 10:54:40 AM	95.501	4.397	11.640	-0.250
6/23/2017 10:54:41 AM	96.001	4.399	11.645	-0.254
6/23/2017 10:54:41 AM	96.501	4.397	11.648	-0.249
6/23/2017 10:54:42 AM	97.001	4.396	11.649	-0.246
6/23/2017 10:54:42 AM	97.501	4.397	11.663	-0.248
6/23/2017 10:54:43 AM	98.001	4.397	11.679	-0.249
6/23/2017 10:54:43 AM	98.501	4.398	11.651	-0.250
6/23/2017 10:54:44 AM	99.001	4.397	11.656	-0.248
6/23/2017 10:54:44 AM	99.501	4.396	11.648	-0.247
6/23/2017 10:54:45 AM	100.001	4.397	11.631	-0.249
6/23/2017 10:54:45 AM	100.501	4.399	11.676	-0.253
6/23/2017 10:54:46 AM	101.001	4.395	11.651	-0.245
6/23/2017 10:54:46 AM	101.501	4.394	11.654	-0.243
6/23/2017 10:54:47 AM	102.001	4.397	11.669	-0.249
6/23/2017 10:54:47 AM	102.501	4.396	11.654	-0.247
6/23/2017 10:54:48 AM	103.002	4.396	11.662	-0.246
6/23/2017 10:54:48 AM	103.501	4.396	11.636	-0.247
6/23/2017 10:54:49 AM	104.001	4.398	11.648	-0.252
6/23/2017 10:54:49 AM	104.501	4.396	11.660	-0.247
6/23/2017 10:54:50 AM	105.001	4.397	11.656	-0.250
6/23/2017 10:54:50 AM	105.501	4.398	11.647	-0.251
6/23/2017 10:54:51 AM	106.001	4.398	11.650	-0.251
6/23/2017 10:54:51 AM	106.501	4.395	11.651	-0.245
6/23/2017 10:54:52 AM	107.001	4.398	11.647	-0.252
6/23/2017 10:54:52 AM	107.501	4.399	11.659	-0.255
6/23/2017 10:54:53 AM	108.001	4.396	11.688	-0.247
6/23/2017 10:54:53 AM	108.501	4.398	11.664	-0.252
6/23/2017 10:54:54 AM	109.001	4.396	11.695	-0.248
6/23/2017 10:54:54 AM	109.501	4.395	11.642	-0.245
6/23/2017 10:54:55 AM	110.001	4.398	11.667	-0.252
6/23/2017 10:54:55 AM	110.501	4.396	11.658	-0.247
6/23/2017 10:54:56 AM	111.001	4.394	11.624	-0.243
6/23/2017 10:54:56 AM	111.501	4.398	11.663	-0.251
6/23/2017 10:54:57 AM	112.001	4.394	11.673	-0.243
6/23/2017 10:54:57 AM	112.501	4.400	11.667	-0.255
6/23/2017 10:54:58 AM	113.039	4.396	11.709	-0.247
6/23/2017 10:54:58 AM	113.501	4.397	11.695	-0.250
6/23/2017 10:54:59 AM	114.001	4.398	11.657	-0.250
6/23/2017 10:54:59 AM	114.501	4.397	11.674	-0.250

6/23/2017 10:55:00 AM	115.001	4.398	11.673	-0.251
6/23/2017 10:55:00 AM	115.501	4.399	11.670	-0.254
6/23/2017 10:55:01 AM	116.001	4.394	11.676	-0.243
6/23/2017 10:55:01 AM	116.501	4.396	11.676	-0.247
6/23/2017 10:55:02 AM	117.046	4.398	11.684	-0.251
6/23/2017 10:55:02 AM	117.501	4.398	11.681	-0.250
6/23/2017 10:55:03 AM	118.001	4.393	11.641	-0.241
6/23/2017 10:55:04 AM	118.621	4.394	11.691	-0.243
6/23/2017 10:55:04 AM	119.001	4.394	11.620	-0.242
6/23/2017 10:55:04 AM	119.501	4.395	11.668	-0.244
6/23/2017 10:55:05 AM	120.001	4.396	11.644	-0.246
6/23/2017 10:55:06 AM	121.001	4.397	11.684	-0.248
6/23/2017 10:55:07 AM	122.001	4.395	11.653	-0.246
6/23/2017 10:55:08 AM	123.001	4.396	11.641	-0.248
6/23/2017 10:55:09 AM	124.001	4.398	11.620	-0.252
6/23/2017 10:55:10 AM	125.001	4.396	11.654	-0.246
6/23/2017 10:55:11 AM	126.001	4.396	11.656	-0.247
6/23/2017 10:55:12 AM	127.001	4.397	11.659	-0.248
6/23/2017 10:55:13 AM	128.001	4.398	11.654	-0.252
6/23/2017 10:55:14 AM	129.001	4.395	11.658	-0.244
6/23/2017 10:55:15 AM	130.001	4.393	11.652	-0.241
6/23/2017 10:55:16 AM	131.001	4.397	11.646	-0.249
6/23/2017 10:55:17 AM	132.001	4.393	11.654	-0.239
6/23/2017 10:55:18 AM	133.001	4.394	11.646	-0.242
6/23/2017 10:55:19 AM	134.001	4.395	11.650	-0.245
6/23/2017 10:55:20 AM	135.001	4.394	11.640	-0.243
6/23/2017 10:55:21 AM	136.001	4.394	11.625	-0.242
6/23/2017 10:55:22 AM	137.001	4.398	11.638	-0.250
6/23/2017 10:55:23 AM	138.001	4.396	11.645	-0.247
6/23/2017 10:55:24 AM	139.001	4.393	11.629	-0.239
6/23/2017 10:55:25 AM	140.001	4.394	11.659	-0.242
6/23/2017 10:55:26 AM	141.001	4.394	11.637	-0.243
6/23/2017 10:55:27 AM	142.001	4.391	11.626	-0.235
6/23/2017 10:55:28 AM	143.001	4.395	11.649	-0.244
6/23/2017 10:55:29 AM	144.001	4.392	11.637	-0.238
6/23/2017 10:55:30 AM	145.001	4.392	11.652	-0.238
6/23/2017 10:55:31 AM	146.001	4.395	11.668	-0.244
6/23/2017 10:55:32 AM	147.001	4.392	11.652	-0.239
6/23/2017 10:55:33 AM	148.001	4.394	11.635	-0.242
6/23/2017 10:55:34 AM	149.001	4.394	11.637	-0.243
6/23/2017 10:55:35 AM	150.001	4.392	11.616	-0.237
6/23/2017 10:55:36 AM	151.001	4.395	11.638	-0.244
6/23/2017 10:55:37 AM	152.001	4.394	11.655	-0.243
6/23/2017 10:55:38 AM	153.001	4.395	11.639	-0.243
6/23/2017 10:55:39 AM	154.001	4.394	11.652	-0.243
6/23/2017 10:55:40 AM	155.001	4.393	11.657	-0.239
6/23/2017 10:55:41 AM	156.001	4.393	11.645	-0.240
6/23/2017 10:55:42 AM	157.001	4.393	11.646	-0.241
6/23/2017 10:55:43 AM	158.001	4.394	11.598	-0.242
6/23/2017 10:55:44 AM	159.001	4.394	11.661	-0.241
6/23/2017 10:55:45 AM	160.001	4.396	11.643	-0.246
6/23/2017 10:55:46 AM	161.001	4.396	11.622	-0.246
6/23/2017 10:55:47 AM	162.001	4.392	11.643	-0.239
6/23/2017 10:55:48 AM	163.001	4.393	11.645	-0.239
6/23/2017 10:55:49 AM	164.001	4.391	11.670	-0.236
6/23/2017 10:55:50 AM	165.001	4.394	11.660	-0.243
6/23/2017 10:55:51 AM	166.001	4.393	11.656	-0.241
6/23/2017 10:55:52 AM	167.001	4.391	11.622	-0.235
6/23/2017 10:55:53 AM	168.001	4.394	11.630	-0.241
6/23/2017 10:55:54 AM	169.001	4.392	11.641	-0.239
6/23/2017 10:55:55 AM	170.001	4.394	11.656	-0.243
6/23/2017 10:55:56 AM	171.001	4.392	11.634	-0.238
6/23/2017 10:55:57 AM	172.001	4.394	11.629	-0.242

6/23/2017 10:55:58 AM	173.001	4.392	11.631	-0.238
6/23/2017 10:55:59 AM	174.001	4.392	11.645	-0.237
6/23/2017 10:56:00 AM	175.001	4.394	11.639	-0.243
6/23/2017 10:56:01 AM	176.001	4.393	11.653	-0.239
6/23/2017 10:56:02 AM	177.001	4.392	11.620	-0.237
6/23/2017 10:56:03 AM	178.001	4.395	11.643	-0.244
6/23/2017 10:56:04 AM	179.038	4.394	11.659	-0.242
6/23/2017 10:56:05 AM	180.001	4.391	11.623	-0.235
6/23/2017 10:56:06 AM	181.001	4.393	11.632	-0.240
6/23/2017 10:56:07 AM	182.001	4.393	11.613	-0.239
6/23/2017 10:56:08 AM	183.001	4.391	11.613	-0.236
6/23/2017 10:56:09 AM	184.001	4.392	11.651	-0.238
6/23/2017 10:56:10 AM	185.001	4.391	11.628	-0.234
6/23/2017 10:56:11 AM	186.001	4.392	11.656	-0.239
6/23/2017 10:56:12 AM	187.001	4.391	11.651	-0.235
6/23/2017 10:56:13 AM	188.001	4.390	11.619	-0.233
6/23/2017 10:56:14 AM	189.001	4.393	11.650	-0.241
6/23/2017 10:56:15 AM	190.001	4.392	11.626	-0.237
6/23/2017 10:56:16 AM	191.001	4.393	11.634	-0.240
6/23/2017 10:56:17 AM	192.001	4.391	11.604	-0.235
6/23/2017 10:56:18 AM	193.001	4.394	11.612	-0.242
6/23/2017 10:56:19 AM	194.001	4.391	11.634	-0.236
6/23/2017 10:56:20 AM	195.001	4.390	11.656	-0.233
6/23/2017 10:56:21 AM	196.001	4.390	11.627	-0.233
6/23/2017 10:56:22 AM	197.001	4.392	11.626	-0.239
6/23/2017 10:56:23 AM	198.001	4.392	11.644	-0.237
6/23/2017 10:56:24 AM	199.001	4.390	11.659	-0.234
6/23/2017 10:56:25 AM	200.001	4.389	11.634	-0.230
6/23/2017 10:56:26 AM	201.001	4.390	11.622	-0.232
6/23/2017 10:56:27 AM	202.001	4.392	11.637	-0.237
6/23/2017 10:56:28 AM	203.001	4.392	11.612	-0.239
6/23/2017 10:56:29 AM	204.001	4.392	11.626	-0.237
6/23/2017 10:56:30 AM	205.001	4.392	11.653	-0.237
6/23/2017 10:56:31 AM	206.001	4.387	11.649	-0.226
6/23/2017 10:56:32 AM	207.001	4.391	11.658	-0.236
6/23/2017 10:56:33 AM	208.001	4.390	11.651	-0.233
6/23/2017 10:56:34 AM	209.001	4.393	11.657	-0.240
6/23/2017 10:56:35 AM	210.001	4.389	11.645	-0.230
6/23/2017 10:56:36 AM	211.001	4.392	11.647	-0.237
6/23/2017 10:56:37 AM	212.001	4.393	11.634	-0.239
6/23/2017 10:56:38 AM	213.001	4.391	11.650	-0.236
6/23/2017 10:56:39 AM	214.001	4.391	11.637	-0.235
6/23/2017 10:56:40 AM	215.001	4.393	11.665	-0.240
6/23/2017 10:56:41 AM	216.001	4.392	11.654	-0.237
6/23/2017 10:56:42 AM	217.001	4.391	11.648	-0.235
6/23/2017 10:56:43 AM	218.001	4.391	11.659	-0.236
6/23/2017 10:56:44 AM	219.001	4.391	11.654	-0.235
6/23/2017 10:56:45 AM	220.001	4.389	11.655	-0.231
6/23/2017 10:56:46 AM	221.001	4.389	11.639	-0.231
6/23/2017 10:56:47 AM	222.001	4.393	11.629	-0.240
6/23/2017 10:56:48 AM	223.001	4.387	11.650	-0.227
6/23/2017 10:56:49 AM	224.001	4.389	11.660	-0.231
6/23/2017 10:56:50 AM	225.001	4.391	11.655	-0.236
6/23/2017 10:56:51 AM	226.001	4.390	11.665	-0.233
6/23/2017 10:56:52 AM	227.001	4.387	11.645	-0.227
6/23/2017 10:56:53 AM	228.001	4.392	11.662	-0.238
6/23/2017 10:56:54 AM	229.001	4.391	11.656	-0.235
6/23/2017 10:56:55 AM	230.001	4.392	11.657	-0.238
6/23/2017 10:56:56 AM	231.001	4.391	11.620	-0.235
6/23/2017 10:56:57 AM	232.001	4.387	11.654	-0.227
6/23/2017 10:56:58 AM	233.001	4.391	11.619	-0.236
6/23/2017 10:56:59 AM	234.001	4.388	11.646	-0.228
6/23/2017 10:57:00 AM	235.001	4.390	11.661	-0.234

6/23/2017 10:57:01 AM	236.001	4.387	11.688	-0.227
6/23/2017 10:57:02 AM	237.001	4.388	11.629	-0.228
6/23/2017 10:57:03 AM	238.001	4.390	11.687	-0.233
6/23/2017 10:57:04 AM	239.001	4.388	11.651	-0.227
6/23/2017 10:57:05 AM	240.001	4.390	11.638	-0.233
6/23/2017 10:57:06 AM	241.001	4.387	11.646	-0.226
6/23/2017 10:57:07 AM	242.001	4.386	11.648	-0.224
6/23/2017 10:57:08 AM	243.001	4.386	11.661	-0.223
6/23/2017 10:57:09 AM	244.001	4.387	11.645	-0.225
6/23/2017 10:57:10 AM	245.001	4.390	11.665	-0.234
6/23/2017 10:57:11 AM	246.001	4.389	11.645	-0.231
6/23/2017 10:57:12 AM	247.001	4.389	11.649	-0.231
6/23/2017 10:57:13 AM	248.001	4.387	11.666	-0.227
6/23/2017 10:57:14 AM	249.001	4.392	11.658	-0.237
6/23/2017 10:57:15 AM	250.001	4.387	11.642	-0.226
6/23/2017 10:57:16 AM	251.001	4.389	11.654	-0.230
6/23/2017 10:57:17 AM	252.001	4.387	11.662	-0.227
6/23/2017 10:57:18 AM	253.001	4.389	11.638	-0.232
6/23/2017 10:57:19 AM	254.001	4.387	11.668	-0.226
6/23/2017 10:57:20 AM	255.001	4.388	11.659	-0.228
6/23/2017 10:57:21 AM	256.001	4.386	11.646	-0.224
6/23/2017 10:57:22 AM	257.001	4.388	11.636	-0.227
6/23/2017 10:57:23 AM	258.001	4.388	11.624	-0.228
6/23/2017 10:57:24 AM	259.001	4.388	11.643	-0.229
6/23/2017 10:57:25 AM	260.001	4.387	11.614	-0.226
6/23/2017 10:57:26 AM	261.001	4.387	11.642	-0.226
6/23/2017 10:57:27 AM	262.001	4.386	11.620	-0.224
6/23/2017 10:57:28 AM	263.001	4.390	11.652	-0.234
6/23/2017 10:57:29 AM	264.001	4.386	11.671	-0.224
6/23/2017 10:57:30 AM	265.001	4.389	11.627	-0.230
6/23/2017 10:57:31 AM	266.001	4.385	11.684	-0.222
6/23/2017 10:57:32 AM	267.001	4.384	11.660	-0.219
6/23/2017 10:57:33 AM	268.001	4.385	11.651	-0.222
6/23/2017 10:57:34 AM	269.001	4.388	11.623	-0.229
6/23/2017 10:57:35 AM	270.001	4.384	11.648	-0.220
6/23/2017 10:57:36 AM	271.001	4.387	11.631	-0.226
6/23/2017 10:57:37 AM	272.001	4.385	11.648	-0.222
6/23/2017 10:57:38 AM	273.001	4.387	11.609	-0.227
6/23/2017 10:57:39 AM	274.001	4.385	11.656	-0.220
6/23/2017 10:57:40 AM	275.001	4.389	11.678	-0.230
6/23/2017 10:57:41 AM	276.001	4.386	11.661	-0.223
6/23/2017 10:57:42 AM	277.001	4.384	11.659	-0.219
6/23/2017 10:57:43 AM	278.001	4.384	11.631	-0.219
6/23/2017 10:57:44 AM	279.001	4.388	11.676	-0.227
6/23/2017 10:57:45 AM	280.001	4.390	11.649	-0.232
6/23/2017 10:57:46 AM	281.001	4.386	11.654	-0.224
6/23/2017 10:57:47 AM	282.001	4.386	11.681	-0.223
6/23/2017 10:57:48 AM	283.001	4.387	11.665	-0.226
6/23/2017 10:57:49 AM	284.001	4.386	11.644	-0.224
6/23/2017 10:57:50 AM	285.001	4.386	11.636	-0.223
6/23/2017 10:57:51 AM	286.001	4.388	11.643	-0.228
6/23/2017 10:57:52 AM	287.001	4.385	11.652	-0.222
6/23/2017 10:57:53 AM	288.001	4.388	11.670	-0.228
6/23/2017 10:57:54 AM	289.001	4.387	11.667	-0.226
6/23/2017 10:57:55 AM	290.001	4.385	11.637	-0.222
6/23/2017 10:57:56 AM	291.001	4.386	11.653	-0.224
6/23/2017 10:57:57 AM	292.001	4.385	11.656	-0.222
6/23/2017 10:57:58 AM	293.001	4.386	11.636	-0.224
6/23/2017 10:57:59 AM	294.001	4.385	11.650	-0.221
6/23/2017 10:58:00 AM	295.001	4.385	11.662	-0.221
6/23/2017 10:58:01 AM	296.001	4.388	11.659	-0.227
6/23/2017 10:58:02 AM	297.001	4.385	11.651	-0.222
6/23/2017 10:58:03 AM	298.001	4.383	11.631	-0.218

6/23/2017 10:58:04 AM	299.001	4.386	11.668	-0.223
6/23/2017 10:58:05 AM	300.001	4.387	11.646	-0.226
6/23/2017 10:58:06 AM	301.001	4.386	11.653	-0.223
6/23/2017 10:58:07 AM	302.001	4.384	11.667	-0.220
6/23/2017 10:58:08 AM	303.001	4.383	11.656	-0.216
6/23/2017 10:58:09 AM	304.001	4.383	11.653	-0.218
6/23/2017 10:58:10 AM	305.001	4.383	11.658	-0.216
6/23/2017 10:58:11 AM	306.001	4.384	11.659	-0.219
6/23/2017 10:58:12 AM	307.001	4.382	11.651	-0.215
6/23/2017 10:58:13 AM	308.001	4.384	11.651	-0.220
6/23/2017 10:58:14 AM	309.001	4.384	11.634	-0.218
6/23/2017 10:58:15 AM	310.001	4.384	11.667	-0.219
6/23/2017 10:58:16 AM	311.001	4.384	11.664	-0.220
6/23/2017 10:58:17 AM	312.001	4.385	11.638	-0.221
6/23/2017 10:58:18 AM	313.001	4.384	11.643	-0.220
6/23/2017 10:58:19 AM	314.001	4.382	11.647	-0.216
6/23/2017 10:58:20 AM	315.001	4.384	11.640	-0.219
6/23/2017 10:58:21 AM	316.001	4.383	11.680	-0.217
6/23/2017 10:58:22 AM	317.001	4.385	11.664	-0.222
6/23/2017 10:58:23 AM	318.001	4.386	11.655	-0.225
6/23/2017 10:58:24 AM	319.001	4.383	11.646	-0.217
6/23/2017 10:58:25 AM	320.001	4.386	11.654	-0.224
6/23/2017 10:58:26 AM	321.001	4.384	11.633	-0.219
6/23/2017 10:58:27 AM	322.001	4.383	11.668	-0.216
6/23/2017 10:58:28 AM	323.001	4.384	11.637	-0.219
6/23/2017 10:58:29 AM	324.001	4.383	11.670	-0.217
6/23/2017 10:58:30 AM	325.002	4.381	11.640	-0.212
6/23/2017 10:58:31 AM	326.002	4.384	11.645	-0.220
6/23/2017 10:58:32 AM	327.002	4.381	11.671	-0.213
6/23/2017 10:58:33 AM	328.002	4.381	11.653	-0.213
6/23/2017 10:58:34 AM	329.002	4.383	11.666	-0.216
6/23/2017 10:58:35 AM	330.002	4.382	11.648	-0.215
6/23/2017 10:58:36 AM	331.002	4.385	11.649	-0.222
6/23/2017 10:58:37 AM	332.002	4.384	11.657	-0.220
6/23/2017 10:58:38 AM	333.002	4.383	11.626	-0.217
6/23/2017 10:58:39 AM	334.001	4.384	11.629	-0.218
6/23/2017 10:58:40 AM	335.001	4.381	11.652	-0.211
6/23/2017 10:58:41 AM	336.001	4.384	11.659	-0.219
6/23/2017 10:58:42 AM	337.001	4.380	11.659	-0.210
6/23/2017 10:58:43 AM	338.001	4.382	11.647	-0.214
6/23/2017 10:58:44 AM	339.001	4.383	11.631	-0.217
6/23/2017 10:58:45 AM	340.001	4.385	11.680	-0.221
6/23/2017 10:58:46 AM	341.001	4.385	11.667	-0.221
6/23/2017 10:58:47 AM	342.001	4.383	11.651	-0.216
6/23/2017 10:58:48 AM	343.001	4.382	11.656	-0.214
6/23/2017 10:58:49 AM	344.001	4.381	11.673	-0.213
6/23/2017 10:58:50 AM	345.001	4.384	11.659	-0.218
6/23/2017 10:58:51 AM	346.001	4.381	11.659	-0.212
6/23/2017 10:58:52 AM	347.001	4.381	11.674	-0.212
6/23/2017 10:58:53 AM	348.001	4.379	11.645	-0.207
6/23/2017 10:58:54 AM	349.001	4.382	11.642	-0.215
6/23/2017 10:58:55 AM	350.001	4.380	11.662	-0.209
6/23/2017 10:58:56 AM	351.001	4.382	11.670	-0.215
6/23/2017 10:58:57 AM	352.001	4.382	11.659	-0.215
6/23/2017 10:58:58 AM	353.001	4.381	11.651	-0.213
6/23/2017 10:58:59 AM	354.001	4.382	11.654	-0.214
6/23/2017 10:59:00 AM	355.001	4.383	11.637	-0.216
6/23/2017 10:59:01 AM	356.001	4.381	11.687	-0.211
6/23/2017 10:59:02 AM	357.001	4.381	11.674	-0.213
6/23/2017 10:59:03 AM	358.001	4.382	11.665	-0.214
6/23/2017 10:59:04 AM	359.001	4.383	11.670	-0.216
6/23/2017 10:59:05 AM	360.001	4.381	11.678	-0.211
6/23/2017 10:59:06 AM	361.001	4.381	11.664	-0.211

6/23/2017 10:59:07 AM	362.001	4.382	11.660	-0.214
6/23/2017 10:59:08 AM	363.001	4.379	11.645	-0.208
6/23/2017 10:59:09 AM	364.001	4.381	11.666	-0.211
6/23/2017 10:59:10 AM	365.001	4.381	11.641	-0.212
6/23/2017 10:59:11 AM	366.001	4.383	11.681	-0.218
6/23/2017 10:59:12 AM	367.001	4.380	11.671	-0.210
6/23/2017 10:59:13 AM	368.001	4.380	11.652	-0.211
6/23/2017 10:59:14 AM	369.001	4.379	11.668	-0.207
6/23/2017 10:59:15 AM	370.001	4.380	11.676	-0.210
6/23/2017 10:59:16 AM	371.001	4.378	11.647	-0.206
6/23/2017 10:59:17 AM	372.001	4.379	11.641	-0.209
6/23/2017 10:59:18 AM	373.001	4.382	11.667	-0.215
6/23/2017 10:59:19 AM	374.001	4.381	11.684	-0.212
6/23/2017 10:59:20 AM	375.001	4.379	11.671	-0.208
6/23/2017 10:59:21 AM	376.001	4.380	11.677	-0.211
6/23/2017 10:59:22 AM	377.001	4.381	11.635	-0.211
6/23/2017 10:59:23 AM	378.001	4.379	11.662	-0.208
6/23/2017 10:59:24 AM	379.001	4.380	11.670	-0.210
6/23/2017 10:59:25 AM	380.001	4.379	11.706	-0.208
6/23/2017 10:59:26 AM	381.001	4.379	11.655	-0.207
6/23/2017 10:59:27 AM	382.001	4.380	11.667	-0.211
6/23/2017 10:59:28 AM	383.001	4.380	11.679	-0.209
6/23/2017 10:59:29 AM	384.001	4.379	11.689	-0.208
6/23/2017 10:59:30 AM	385.001	4.381	11.668	-0.213
6/23/2017 10:59:31 AM	386.001	4.380	11.686	-0.210
6/23/2017 10:59:32 AM	387.001	4.381	11.691	-0.211
6/23/2017 10:59:33 AM	388.001	4.379	11.689	-0.209
6/23/2017 10:59:34 AM	389.001	4.376	11.676	-0.202
6/23/2017 10:59:35 AM	390.001	4.381	11.672	-0.211
6/23/2017 10:59:36 AM	391.001	4.379	11.687	-0.207
6/23/2017 10:59:37 AM	392.001	4.378	11.688	-0.205
6/23/2017 10:59:38 AM	393.001	4.378	11.678	-0.206
6/23/2017 10:59:39 AM	394.001	4.381	11.695	-0.211
6/23/2017 10:59:40 AM	395.001	4.379	11.681	-0.208
6/23/2017 10:59:41 AM	396.001	4.378	11.645	-0.206
6/23/2017 10:59:42 AM	397.001	4.377	11.691	-0.202
6/23/2017 10:59:43 AM	398.001	4.380	11.689	-0.210
6/23/2017 10:59:44 AM	399.001	4.379	11.676	-0.209
6/23/2017 10:59:45 AM	400.001	4.377	11.683	-0.203
6/23/2017 10:59:46 AM	401.001	4.380	11.689	-0.211
6/23/2017 10:59:47 AM	402.001	4.379	11.686	-0.207
6/23/2017 10:59:48 AM	403.001	4.379	11.676	-0.208
6/23/2017 10:59:49 AM	404.001	4.381	11.676	-0.212
6/23/2017 10:59:50 AM	405.001	4.377	11.694	-0.202
6/23/2017 10:59:51 AM	406.001	4.377	11.699	-0.203
6/23/2017 10:59:52 AM	407.001	4.378	11.693	-0.206
6/23/2017 10:59:53 AM	408.001	4.375	11.684	-0.199
6/23/2017 10:59:54 AM	409.001	4.379	11.681	-0.208
6/23/2017 10:59:55 AM	410.001	4.376	11.678	-0.202
6/23/2017 10:59:56 AM	411.001	4.374	11.691	-0.196
6/23/2017 10:59:57 AM	412.001	4.380	11.680	-0.209
6/23/2017 10:59:58 AM	413.001	4.377	11.692	-0.202
6/23/2017 10:59:59 AM	414.001	4.377	11.675	-0.203
6/23/2017 11:00:00 AM	415.001	4.378	11.666	-0.205
6/23/2017 11:00:01 AM	416.001	4.377	11.692	-0.203
6/23/2017 11:00:02 AM	417.001	4.377	11.678	-0.204
6/23/2017 11:00:03 AM	418.001	4.379	11.678	-0.207
6/23/2017 11:00:04 AM	419.001	4.376	11.691	-0.201
6/23/2017 11:00:05 AM	420.001	4.376	11.693	-0.202
6/23/2017 11:00:06 AM	421.001	4.376	11.691	-0.201
6/23/2017 11:00:07 AM	422.001	4.379	11.697	-0.208
6/23/2017 11:00:08 AM	423.001	4.378	11.724	-0.205
6/23/2017 11:00:09 AM	424.001	4.373	11.720	-0.195

6/23/2017 11:00:10 AM	425.001	4.376	11.695	-0.200
6/23/2017 11:00:11 AM	426.001	4.377	11.717	-0.204
6/23/2017 11:00:12 AM	427.001	4.375	11.679	-0.198
6/23/2017 11:00:13 AM	428.001	4.379	11.699	-0.207
6/23/2017 11:00:14 AM	429.001	4.378	11.714	-0.206
6/23/2017 11:00:15 AM	430.001	4.376	11.651	-0.201
6/23/2017 11:00:16 AM	431.001	4.379	11.690	-0.207
6/23/2017 11:00:17 AM	432.001	4.377	11.731	-0.202
6/23/2017 11:00:18 AM	433.001	4.375	11.689	-0.198
6/23/2017 11:00:19 AM	434.001	4.378	11.702	-0.205
6/23/2017 11:00:20 AM	435.001	4.376	11.695	-0.202
6/23/2017 11:00:21 AM	436.001	4.378	11.704	-0.204
6/23/2017 11:00:22 AM	437.001	4.379	11.703	-0.209
6/23/2017 11:00:23 AM	438.001	4.377	11.687	-0.204
6/23/2017 11:00:24 AM	439.001	4.374	11.696	-0.196
6/23/2017 11:00:25 AM	440.001	4.376	11.691	-0.202
6/23/2017 11:00:26 AM	441.001	4.376	11.697	-0.201
6/23/2017 11:00:27 AM	442.001	4.377	11.703	-0.202
6/23/2017 11:00:28 AM	443.001	4.376	11.676	-0.200
6/23/2017 11:00:29 AM	444.001	4.375	11.701	-0.198
6/23/2017 11:00:30 AM	445.001	4.375	11.712	-0.198
6/23/2017 11:00:31 AM	446.001	4.376	11.706	-0.201
6/23/2017 11:00:32 AM	447.001	4.375	11.714	-0.198
6/23/2017 11:00:33 AM	448.001	4.374	11.709	-0.197
6/23/2017 11:00:34 AM	449.001	4.374	11.685	-0.197
6/23/2017 11:00:35 AM	450.001	4.376	11.720	-0.201
6/23/2017 11:00:36 AM	451.001	4.376	11.711	-0.201
6/23/2017 11:00:37 AM	452.001	4.377	11.709	-0.203
6/23/2017 11:00:38 AM	453.001	4.377	11.712	-0.202
6/23/2017 11:00:39 AM	454.001	4.373	11.701	-0.194
6/23/2017 11:00:40 AM	455.001	4.376	11.731	-0.200
6/23/2017 11:00:41 AM	456.001	4.374	11.706	-0.197
6/23/2017 11:00:42 AM	457.001	4.375	11.719	-0.197
6/23/2017 11:00:43 AM	458.001	4.375	11.718	-0.198
6/23/2017 11:00:44 AM	459.001	4.375	11.722	-0.198
6/23/2017 11:00:45 AM	460.001	4.375	11.730	-0.198
6/23/2017 11:00:46 AM	461.001	4.373	11.714	-0.194
6/23/2017 11:00:47 AM	462.001	4.374	11.710	-0.197
6/23/2017 11:00:48 AM	463.001	4.375	11.701	-0.199
6/23/2017 11:00:49 AM	464.001	4.376	11.725	-0.202
6/23/2017 11:00:50 AM	465.001	4.373	11.709	-0.193
6/23/2017 11:00:51 AM	466.001	4.375	11.728	-0.198
6/23/2017 11:00:52 AM	467.001	4.374	11.677	-0.196
6/23/2017 11:00:53 AM	468.001	4.372	11.736	-0.192
6/23/2017 11:00:54 AM	469.001	4.373	11.702	-0.194
6/23/2017 11:00:55 AM	470.001	4.370	11.728	-0.188
6/23/2017 11:00:56 AM	471.001	4.372	11.717	-0.191
6/23/2017 11:00:57 AM	472.001	4.374	11.754	-0.196
6/23/2017 11:00:58 AM	473.001	4.375	11.731	-0.198
6/23/2017 11:00:59 AM	474.001	4.373	11.714	-0.194
6/23/2017 11:01:00 AM	475.001	4.372	11.703	-0.191
6/23/2017 11:01:01 AM	476.001	4.374	11.728	-0.196
6/23/2017 11:01:02 AM	477.001	4.372	11.720	-0.192
6/23/2017 11:01:03 AM	478.001	4.374	11.750	-0.197
6/23/2017 11:01:04 AM	479.001	4.372	11.701	-0.191
6/23/2017 11:01:05 AM	480.001	4.373	11.698	-0.194
6/23/2017 11:01:06 AM	481.001	4.376	11.735	-0.202
6/23/2017 11:01:07 AM	482.001	4.375	11.710	-0.199
6/23/2017 11:01:08 AM	483.001	4.375	11.733	-0.198
6/23/2017 11:01:09 AM	484.001	4.373	11.742	-0.194
6/23/2017 11:01:10 AM	485.001	4.372	11.717	-0.192
6/23/2017 11:01:11 AM	486.001	4.373	11.730	-0.195
6/23/2017 11:01:12 AM	487.001	4.372	11.739	-0.192

6/23/2017 11:01:13 AM	488.001	4.372	11.742	-0.192
6/23/2017 11:01:14 AM	489.001	4.373	11.761	-0.193
6/23/2017 11:01:15 AM	490.001	4.371	11.723	-0.189
6/23/2017 11:01:16 AM	491.001	4.371	11.743	-0.190
6/23/2017 11:01:17 AM	492.001	4.372	11.725	-0.190
6/23/2017 11:01:18 AM	493.001	4.373	11.715	-0.193
6/23/2017 11:01:19 AM	494.001	4.374	11.745	-0.195
6/23/2017 11:01:20 AM	495.001	4.372	11.742	-0.192
6/23/2017 11:01:21 AM	496.001	4.374	11.780	-0.197
6/23/2017 11:01:22 AM	497.001	4.371	11.748	-0.190
6/23/2017 11:01:23 AM	498.001	4.371	11.725	-0.190
6/23/2017 11:01:24 AM	499.001	4.371	11.731	-0.188
6/23/2017 11:01:25 AM	500.001	4.372	11.749	-0.192
6/23/2017 11:01:26 AM	501.001	4.372	11.698	-0.191
6/23/2017 11:01:27 AM	502.001	4.371	11.721	-0.190
6/23/2017 11:01:28 AM	503.001	4.373	11.741	-0.193
6/23/2017 11:01:29 AM	504.001	4.372	11.725	-0.192
6/23/2017 11:01:30 AM	505.001	4.370	11.738	-0.187
6/23/2017 11:01:31 AM	506.001	4.373	11.732	-0.193
6/23/2017 11:01:32 AM	507.001	4.372	11.745	-0.192
6/23/2017 11:01:33 AM	508.001	4.370	11.731	-0.187
6/23/2017 11:01:34 AM	509.001	4.373	11.746	-0.193
6/23/2017 11:01:35 AM	510.001	4.372	11.737	-0.192
6/23/2017 11:01:36 AM	511.001	4.371	11.728	-0.189
6/23/2017 11:01:37 AM	512.001	4.372	11.749	-0.191
6/23/2017 11:01:38 AM	513.001	4.370	11.740	-0.187
6/23/2017 11:01:39 AM	514.001	4.372	11.735	-0.191
6/23/2017 11:01:40 AM	515.001	4.374	11.725	-0.195
6/23/2017 11:01:41 AM	516.010	4.369	11.745	-0.186
6/23/2017 11:01:42 AM	517.001	4.373	11.759	-0.193
6/23/2017 11:01:43 AM	518.001	4.372	11.748	-0.192
6/23/2017 11:01:44 AM	519.001	4.374	11.734	-0.197
6/23/2017 11:01:45 AM	520.001	4.373	11.723	-0.193
6/23/2017 11:01:46 AM	521.001	4.371	11.759	-0.189
6/23/2017 11:01:47 AM	522.001	4.370	11.750	-0.188
6/23/2017 11:01:48 AM	523.001	4.372	11.747	-0.190
6/23/2017 11:01:49 AM	524.001	4.371	11.720	-0.189
6/23/2017 11:01:50 AM	525.001	4.371	11.731	-0.189
6/23/2017 11:01:51 AM	526.001	4.374	11.797	-0.196
6/23/2017 11:01:52 AM	527.001	4.370	11.750	-0.187
6/23/2017 11:01:53 AM	528.001	4.370	11.733	-0.187
6/23/2017 11:01:54 AM	529.001	4.372	11.769	-0.190
6/23/2017 11:01:55 AM	530.001	4.369	11.755	-0.184
6/23/2017 11:01:56 AM	531.001	4.368	11.738	-0.182
6/23/2017 11:01:57 AM	532.001	4.369	11.735	-0.184
6/23/2017 11:01:58 AM	533.001	4.370	11.756	-0.188
6/23/2017 11:01:59 AM	534.001	4.373	11.725	-0.195
6/23/2017 11:02:00 AM	535.001	4.370	11.738	-0.187
6/23/2017 11:02:01 AM	536.001	4.369	11.746	-0.184
6/23/2017 11:02:02 AM	537.001	4.371	11.756	-0.190
6/23/2017 11:02:03 AM	538.001	4.370	11.777	-0.188
6/23/2017 11:02:04 AM	539.001	4.369	11.762	-0.184
6/23/2017 11:02:05 AM	540.001	4.369	11.736	-0.184
6/23/2017 11:02:06 AM	541.001	4.369	11.744	-0.184
6/23/2017 11:02:07 AM	542.001	4.369	11.728	-0.184
6/23/2017 11:02:08 AM	543.001	4.369	11.765	-0.184
6/23/2017 11:02:09 AM	544.001	4.369	11.762	-0.183
6/23/2017 11:02:10 AM	545.001	4.372	11.765	-0.192
6/23/2017 11:02:11 AM	546.001	4.369	11.757	-0.186
6/23/2017 11:02:12 AM	547.001	4.370	11.745	-0.187
6/23/2017 11:02:13 AM	548.001	4.371	11.752	-0.190
6/23/2017 11:02:14 AM	549.001	4.370	11.770	-0.186
6/23/2017 11:02:15 AM	550.001	4.369	11.733	-0.184

6/23/2017 11:02:16 AM	551.001	4.372	11.754	-0.191
6/23/2017 11:02:17 AM	552.001	4.372	11.774	-0.191
6/23/2017 11:02:18 AM	553.001	4.370	11.769	-0.187
6/23/2017 11:02:19 AM	554.001	4.368	11.752	-0.183
6/23/2017 11:02:20 AM	555.001	4.369	11.772	-0.184
6/23/2017 11:02:21 AM	556.001	4.370	11.770	-0.187
6/23/2017 11:02:22 AM	557.001	4.368	11.763	-0.182
6/23/2017 11:02:23 AM	558.001	4.370	11.754	-0.187
6/23/2017 11:02:24 AM	559.001	4.370	11.760	-0.187
6/23/2017 11:02:25 AM	560.001	4.370	11.767	-0.187
6/23/2017 11:02:26 AM	561.001	4.369	11.779	-0.185
6/23/2017 11:02:27 AM	562.001	4.369	11.760	-0.185
6/23/2017 11:02:28 AM	563.001	4.369	11.768	-0.185
6/23/2017 11:02:29 AM	564.001	4.367	11.761	-0.181
6/23/2017 11:02:30 AM	565.001	4.371	11.759	-0.190
6/23/2017 11:02:31 AM	566.001	4.368	11.817	-0.183
6/23/2017 11:02:32 AM	567.001	4.369	11.750	-0.184
6/23/2017 11:02:33 AM	568.001	4.368	11.752	-0.182
6/23/2017 11:02:34 AM	569.001	4.368	11.773	-0.182
6/23/2017 11:02:35 AM	570.001	4.366	11.769	-0.179
6/23/2017 11:02:36 AM	571.001	4.369	11.750	-0.185
6/23/2017 11:02:37 AM	572.001	4.368	11.764	-0.181
6/23/2017 11:02:38 AM	573.001	4.368	11.772	-0.181
6/23/2017 11:02:39 AM	574.001	4.371	11.739	-0.190
6/23/2017 11:02:40 AM	575.001	4.369	11.762	-0.185
6/23/2017 11:02:41 AM	576.008	4.368	11.793	-0.183
6/23/2017 11:02:42 AM	577.001	4.369	11.753	-0.185
6/23/2017 11:02:43 AM	578.001	4.370	11.779	-0.187
6/23/2017 11:02:44 AM	579.001	4.369	11.772	-0.185
6/23/2017 11:02:45 AM	580.001	4.371	11.751	-0.188
6/23/2017 11:02:46 AM	581.001	4.366	11.787	-0.179
6/23/2017 11:02:47 AM	582.001	4.366	11.772	-0.177
6/23/2017 11:02:48 AM	583.001	4.368	11.780	-0.181
6/23/2017 11:02:49 AM	584.001	4.367	11.776	-0.181
6/23/2017 11:02:50 AM	585.001	4.367	11.792	-0.180
6/23/2017 11:02:51 AM	586.001	4.369	11.788	-0.184
6/23/2017 11:02:52 AM	587.001	4.366	11.776	-0.178
6/23/2017 11:02:53 AM	588.001	4.365	11.800	-0.175
6/23/2017 11:02:54 AM	589.001	4.366	11.766	-0.178
6/23/2017 11:02:55 AM	590.001	4.368	11.775	-0.182
6/23/2017 11:02:56 AM	591.001	4.366	11.787	-0.178
6/23/2017 11:02:57 AM	592.001	4.367	11.791	-0.180
6/23/2017 11:02:58 AM	593.001	4.368	11.780	-0.182
6/23/2017 11:02:59 AM	594.001	4.370	11.748	-0.186
6/23/2017 11:03:00 AM	595.001	4.367	11.783	-0.181
6/23/2017 11:03:01 AM	596.001	4.369	11.800	-0.185
6/23/2017 11:03:02 AM	597.001	4.367	11.764	-0.180
6/23/2017 11:03:03 AM	598.001	4.367	11.783	-0.180
6/23/2017 11:03:04 AM	599.001	4.365	11.789	-0.176
6/23/2017 11:03:05 AM	600.001	4.366	11.808	-0.178
6/23/2017 11:03:06 AM	601.001	4.367	11.795	-0.180
6/23/2017 11:03:07 AM	602.001	4.366	11.780	-0.179
6/23/2017 11:03:08 AM	603.001	4.366	11.783	-0.176
6/23/2017 11:03:09 AM	604.001	4.367	11.789	-0.181
6/23/2017 11:03:10 AM	605.001	4.370	11.800	-0.186
6/23/2017 11:03:11 AM	606.001	4.368	11.782	-0.182
6/23/2017 11:03:12 AM	607.001	4.366	11.772	-0.178
6/23/2017 11:03:13 AM	608.001	4.367	11.800	-0.181
6/23/2017 11:03:14 AM	609.001	4.369	11.774	-0.184
6/23/2017 11:03:15 AM	610.001	4.367	11.795	-0.181
6/23/2017 11:03:16 AM	611.001	4.368	11.788	-0.183
6/23/2017 11:03:17 AM	612.001	4.366	11.777	-0.177
6/23/2017 11:03:18 AM	613.001	4.366	11.753	-0.179

6/23/2017 11:03:19 AM	614.001	4.366	11.795	-0.178
6/23/2017 11:03:20 AM	615.001	4.366	11.774	-0.177
6/23/2017 11:03:21 AM	616.001	4.368	11.778	-0.182
6/23/2017 11:03:22 AM	617.001	4.367	11.800	-0.181
6/23/2017 11:03:23 AM	618.001	4.369	11.792	-0.185
6/23/2017 11:03:24 AM	619.001	4.366	11.778	-0.178
6/23/2017 11:03:25 AM	620.001	4.370	11.825	-0.187
6/23/2017 11:03:26 AM	621.001	4.368	11.789	-0.183
6/23/2017 11:03:27 AM	622.001	4.368	11.793	-0.183
6/23/2017 11:03:28 AM	623.001	4.369	11.773	-0.184
6/23/2017 11:03:29 AM	624.001	4.365	11.786	-0.176
6/23/2017 11:03:30 AM	625.001	4.365	11.801	-0.176
6/23/2017 11:03:31 AM	626.001	4.368	11.811	-0.182
6/23/2017 11:03:32 AM	627.001	4.367	11.808	-0.180
6/23/2017 11:03:33 AM	628.001	4.364	11.795	-0.173
6/23/2017 11:03:34 AM	629.001	4.366	11.788	-0.177
6/23/2017 11:03:35 AM	630.001	4.365	11.781	-0.174
6/23/2017 11:03:36 AM	631.001	4.366	11.783	-0.177
6/23/2017 11:03:37 AM	632.001	4.368	11.793	-0.181
6/23/2017 11:03:38 AM	633.001	4.368	11.786	-0.182
6/23/2017 11:03:39 AM	634.001	4.368	11.803	-0.181
6/23/2017 11:03:40 AM	635.001	4.366	11.781	-0.178
6/23/2017 11:03:41 AM	636.001	4.364	11.794	-0.173
6/23/2017 11:03:42 AM	637.001	4.363	11.787	-0.170
6/23/2017 11:03:43 AM	638.001	4.364	11.810	-0.173
6/23/2017 11:03:44 AM	639.001	4.366	11.791	-0.177
6/23/2017 11:03:45 AM	640.001	4.365	11.821	-0.176
6/23/2017 11:03:46 AM	641.001	4.365	11.815	-0.176
6/23/2017 11:03:47 AM	642.001	4.367	11.758	-0.181
6/23/2017 11:03:48 AM	643.001	4.365	11.799	-0.176
6/23/2017 11:03:49 AM	644.001	4.366	11.819	-0.178
6/23/2017 11:03:50 AM	645.001	4.366	11.793	-0.178
6/23/2017 11:03:51 AM	646.001	4.366	11.803	-0.178
6/23/2017 11:03:52 AM	647.001	4.366	11.797	-0.179
6/23/2017 11:03:53 AM	648.001	4.365	11.796	-0.175
6/23/2017 11:03:54 AM	649.001	4.364	11.811	-0.173
6/23/2017 11:03:55 AM	650.001	4.366	11.815	-0.178
6/23/2017 11:03:56 AM	651.001	4.365	11.806	-0.174
6/23/2017 11:03:57 AM	652.001	4.365	11.775	-0.176
6/23/2017 11:03:58 AM	653.001	4.366	11.808	-0.178
6/23/2017 11:03:59 AM	654.001	4.368	11.799	-0.182
6/23/2017 11:04:00 AM	655.001	4.365	11.813	-0.176
6/23/2017 11:04:01 AM	656.001	4.367	11.818	-0.181
6/23/2017 11:04:02 AM	657.001	4.365	11.811	-0.175
6/23/2017 11:04:03 AM	658.001	4.364	11.775	-0.174
6/23/2017 11:04:04 AM	659.001	4.362	11.797	-0.168
6/23/2017 11:04:05 AM	660.001	4.362	11.808	-0.169
6/23/2017 11:04:06 AM	661.001	4.366	11.821	-0.178
6/23/2017 11:04:07 AM	662.001	4.365	11.801	-0.175
6/23/2017 11:04:08 AM	663.001	4.365	11.827	-0.175
6/23/2017 11:04:09 AM	664.001	4.364	11.819	-0.173
6/23/2017 11:04:10 AM	665.001	4.365	11.831	-0.175
6/23/2017 11:04:11 AM	666.001	4.365	11.797	-0.176
6/23/2017 11:04:12 AM	667.001	4.363	11.811	-0.170
6/23/2017 11:04:13 AM	668.001	4.364	11.772	-0.173
6/23/2017 11:04:14 AM	669.001	4.366	11.806	-0.179
6/23/2017 11:04:15 AM	670.001	4.363	11.833	-0.171
6/23/2017 11:04:16 AM	671.001	4.364	11.823	-0.172
6/23/2017 11:04:17 AM	672.001	4.364	11.824	-0.173
6/23/2017 11:04:18 AM	673.001	4.364	11.822	-0.173
6/23/2017 11:04:19 AM	674.001	4.363	11.816	-0.171
6/23/2017 11:04:20 AM	675.001	4.367	11.807	-0.180
6/23/2017 11:04:21 AM	676.001	4.364	11.830	-0.173

6/23/2017 11:04:22 AM	677.001	4.366	11.828	-0.178
6/23/2017 11:04:23 AM	678.001	4.367	11.806	-0.179
6/23/2017 11:04:24 AM	679.001	4.362	11.819	-0.169
6/23/2017 11:04:25 AM	680.001	4.363	11.817	-0.171
6/23/2017 11:04:26 AM	681.001	4.367	11.810	-0.180
6/23/2017 11:04:27 AM	682.001	4.366	11.801	-0.178
6/23/2017 11:04:28 AM	683.001	4.365	11.828	-0.175
6/23/2017 11:04:29 AM	684.001	4.363	11.815	-0.171
6/23/2017 11:04:30 AM	685.001	4.363	11.830	-0.170
6/23/2017 11:04:31 AM	686.001	4.364	11.819	-0.172
6/23/2017 11:04:32 AM	687.001	4.365	11.857	-0.175
6/23/2017 11:04:33 AM	688.001	4.363	11.822	-0.170
6/23/2017 11:04:34 AM	689.001	4.364	11.822	-0.173
6/23/2017 11:04:35 AM	690.001	4.365	11.840	-0.176
6/23/2017 11:04:36 AM	691.001	4.365	11.841	-0.175
6/23/2017 11:04:37 AM	692.001	4.368	11.832	-0.183
6/23/2017 11:04:38 AM	693.001	4.363	11.796	-0.170
6/23/2017 11:04:39 AM	694.001	4.361	11.796	-0.167
6/23/2017 11:04:40 AM	695.002	4.362	11.811	-0.168
6/23/2017 11:04:41 AM	696.002	4.362	11.810	-0.169
6/23/2017 11:04:42 AM	697.002	4.364	11.839	-0.172
6/23/2017 11:04:43 AM	698.002	4.360	11.822	-0.164
6/23/2017 11:04:44 AM	699.002	4.364	11.822	-0.173
6/23/2017 11:04:45 AM	700.002	4.363	11.833	-0.172
6/23/2017 11:04:46 AM	701.002	4.363	11.840	-0.170
6/23/2017 11:04:47 AM	702.002	4.362	11.830	-0.167
6/23/2017 11:04:48 AM	703.002	4.364	11.807	-0.172
6/23/2017 11:04:49 AM	704.001	4.361	11.863	-0.166
6/23/2017 11:04:50 AM	705.001	4.363	11.841	-0.171
6/23/2017 11:04:51 AM	706.001	4.362	11.835	-0.169
6/23/2017 11:04:52 AM	707.001	4.364	11.820	-0.172
6/23/2017 11:04:53 AM	708.001	4.365	11.820	-0.176
6/23/2017 11:04:54 AM	709.001	4.361	11.841	-0.166
6/23/2017 11:04:55 AM	710.001	4.365	11.830	-0.175
6/23/2017 11:04:56 AM	711.001	4.364	11.835	-0.173
6/23/2017 11:04:57 AM	712.001	4.364	11.834	-0.173
6/23/2017 11:04:58 AM	713.001	4.362	11.822	-0.168
6/23/2017 11:04:59 AM	714.001	4.361	11.847	-0.165
6/23/2017 11:05:00 AM	715.001	4.362	11.858	-0.169
6/23/2017 11:05:01 AM	716.001	4.363	11.846	-0.171
6/23/2017 11:05:02 AM	717.001	4.361	11.833	-0.165
6/23/2017 11:05:03 AM	718.001	4.363	11.836	-0.170
6/23/2017 11:05:04 AM	719.001	4.359	11.833	-0.162
6/23/2017 11:05:05 AM	720.001	4.365	11.832	-0.174
6/23/2017 11:05:06 AM	721.001	4.363	11.822	-0.171
6/23/2017 11:05:07 AM	722.001	4.361	11.824	-0.167
6/23/2017 11:05:08 AM	723.001	4.365	11.814	-0.174
6/23/2017 11:05:09 AM	724.001	4.360	11.825	-0.164
6/23/2017 11:05:10 AM	725.001	4.363	11.852	-0.170
6/23/2017 11:05:11 AM	726.001	4.363	11.869	-0.170
6/23/2017 11:05:12 AM	727.001	4.365	11.825	-0.175
6/23/2017 11:05:13 AM	728.001	4.361	11.820	-0.167
6/23/2017 11:05:14 AM	729.001	4.364	11.839	-0.172
6/23/2017 11:05:15 AM	730.001	4.361	11.844	-0.166
6/23/2017 11:05:16 AM	731.001	4.363	11.846	-0.170
6/23/2017 11:05:17 AM	732.001	4.363	11.838	-0.170
6/23/2017 11:05:18 AM	733.001	4.365	11.836	-0.175
6/23/2017 11:05:19 AM	734.001	4.365	11.819	-0.174
6/23/2017 11:05:20 AM	735.001	4.362	11.845	-0.169
6/23/2017 11:05:21 AM	736.001	4.360	11.795	-0.164
6/23/2017 11:05:22 AM	737.001	4.361	11.824	-0.166
6/23/2017 11:05:23 AM	738.001	4.361	11.828	-0.167
6/23/2017 11:05:24 AM	739.001	4.361	11.828	-0.166

6/23/2017 11:05:25 AM	740.001	4.365	11.820	-0.174
6/23/2017 11:05:26 AM	741.001	4.362	11.837	-0.169
6/23/2017 11:05:27 AM	742.001	4.361	11.814	-0.166
6/23/2017 11:05:28 AM	743.001	4.363	11.837	-0.170
6/23/2017 11:05:29 AM	744.001	4.362	11.844	-0.169
6/23/2017 11:05:30 AM	745.001	4.364	11.848	-0.173
6/23/2017 11:05:31 AM	746.001	4.362	11.869	-0.168
6/23/2017 11:05:32 AM	747.001	4.361	11.839	-0.165
6/23/2017 11:05:33 AM	748.001	4.364	11.817	-0.172
6/23/2017 11:05:34 AM	749.001	4.361	11.847	-0.166
6/23/2017 11:05:35 AM	750.001	4.360	11.805	-0.164
6/23/2017 11:05:36 AM	751.001	4.364	11.832	-0.172
6/23/2017 11:05:37 AM	752.001	4.363	11.831	-0.170
6/23/2017 11:05:38 AM	753.001	4.363	11.858	-0.171
6/23/2017 11:05:39 AM	754.001	4.364	11.819	-0.174
6/23/2017 11:05:40 AM	755.001	4.361	11.822	-0.165
6/23/2017 11:05:41 AM	756.001	4.359	11.816	-0.162
6/23/2017 11:05:42 AM	757.001	4.358	11.850	-0.160
6/23/2017 11:05:43 AM	758.001	4.360	11.875	-0.163
6/23/2017 11:05:44 AM	759.001	4.362	11.861	-0.169
6/23/2017 11:05:45 AM	760.001	4.362	11.835	-0.168
6/23/2017 11:05:46 AM	761.001	4.361	11.856	-0.165
6/23/2017 11:05:47 AM	762.001	4.361	11.829	-0.166
6/23/2017 11:05:48 AM	763.001	4.363	11.826	-0.171
6/23/2017 11:05:49 AM	764.001	4.361	11.853	-0.166
6/23/2017 11:05:50 AM	765.001	4.361	11.839	-0.167
6/23/2017 11:05:51 AM	766.001	4.361	11.832	-0.167
6/23/2017 11:05:52 AM	767.001	4.361	11.832	-0.165
6/23/2017 11:05:53 AM	768.001	4.361	11.842	-0.165
6/23/2017 11:05:54 AM	769.001	4.361	11.810	-0.166
6/23/2017 11:05:55 AM	770.001	4.363	11.837	-0.172
6/23/2017 11:05:56 AM	771.001	4.360	11.834	-0.164
6/23/2017 11:05:57 AM	772.001	4.361	11.831	-0.167
6/23/2017 11:05:58 AM	773.001	4.359	11.843	-0.163
6/23/2017 11:05:59 AM	774.001	4.359	11.810	-0.163
6/23/2017 11:06:00 AM	775.001	4.361	11.814	-0.165
6/23/2017 11:06:01 AM	776.001	4.361	11.833	-0.165
6/23/2017 11:06:02 AM	777.001	4.359	11.827	-0.162
6/23/2017 11:06:03 AM	778.001	4.361	11.828	-0.165
6/23/2017 11:06:04 AM	779.001	4.360	11.844	-0.165
6/23/2017 11:06:05 AM	780.001	4.360	11.855	-0.163
6/23/2017 11:06:06 AM	781.001	4.359	11.853	-0.161
6/23/2017 11:06:07 AM	782.001	4.360	11.858	-0.164
6/23/2017 11:06:08 AM	783.001	4.359	11.817	-0.162
6/23/2017 11:06:09 AM	784.001	4.361	11.844	-0.167
6/23/2017 11:06:10 AM	785.001	4.365	11.831	-0.174
6/23/2017 11:06:11 AM	786.001	4.360	11.828	-0.163
6/23/2017 11:06:12 AM	787.001	4.362	11.841	-0.169
6/23/2017 11:06:13 AM	788.001	4.362	11.853	-0.168
6/23/2017 11:06:14 AM	789.001	4.360	11.855	-0.163
6/23/2017 11:06:15 AM	790.001	4.362	11.827	-0.168
6/23/2017 11:06:16 AM	791.001	4.360	11.879	-0.164
6/23/2017 11:06:17 AM	792.001	4.360	11.866	-0.165
6/23/2017 11:06:18 AM	793.001	4.359	11.822	-0.162
6/23/2017 11:06:19 AM	794.001	4.361	11.812	-0.166
6/23/2017 11:06:20 AM	795.001	4.361	11.833	-0.167
6/23/2017 11:06:21 AM	796.001	4.359	11.853	-0.162
6/23/2017 11:06:22 AM	797.001	4.359	11.824	-0.162
6/23/2017 11:06:23 AM	798.001	4.360	11.825	-0.164
6/23/2017 11:06:24 AM	799.001	4.361	11.848	-0.166
6/23/2017 11:06:25 AM	800.001	4.359	11.835	-0.161
6/23/2017 11:06:26 AM	801.001	4.362	11.842	-0.169
6/23/2017 11:06:27 AM	802.001	4.361	11.812	-0.167

6/23/2017 11:06:28 AM	803.001	4.360	11.830	-0.165
6/23/2017 11:06:29 AM	804.001	4.362	11.842	-0.167
6/23/2017 11:06:30 AM	805.001	4.362	11.823	-0.168
6/23/2017 11:06:31 AM	806.001	4.361	11.855	-0.166
6/23/2017 11:06:32 AM	807.001	4.359	11.839	-0.162
6/23/2017 11:06:33 AM	808.001	4.359	11.850	-0.161
6/23/2017 11:06:34 AM	809.001	4.361	11.855	-0.165
6/23/2017 11:06:35 AM	810.001	4.361	11.852	-0.167
6/23/2017 11:06:36 AM	811.001	4.360	11.864	-0.165
6/23/2017 11:06:37 AM	812.001	4.361	11.836	-0.165
6/23/2017 11:06:38 AM	813.001	4.362	11.826	-0.168
6/23/2017 11:06:39 AM	814.001	4.360	11.828	-0.163
6/23/2017 11:06:40 AM	815.001	4.361	11.866	-0.166
6/23/2017 11:06:41 AM	816.001	4.360	11.853	-0.164
6/23/2017 11:06:42 AM	817.001	4.359	11.832	-0.161
6/23/2017 11:06:43 AM	818.001	4.361	11.855	-0.166
6/23/2017 11:06:44 AM	819.001	4.360	11.852	-0.163
6/23/2017 11:06:45 AM	820.001	4.359	11.848	-0.161
6/23/2017 11:06:46 AM	821.001	4.359	11.851	-0.161
6/23/2017 11:06:47 AM	822.001	4.360	11.884	-0.163
6/23/2017 11:06:48 AM	823.001	4.359	11.848	-0.162
6/23/2017 11:06:49 AM	824.001	4.360	11.855	-0.164
6/23/2017 11:06:50 AM	825.001	4.360	11.869	-0.163
6/23/2017 11:06:51 AM	826.001	4.359	11.852	-0.162
6/23/2017 11:06:52 AM	827.001	4.359	11.845	-0.161
6/23/2017 11:06:53 AM	828.001	4.359	11.822	-0.163
6/23/2017 11:06:54 AM	829.001	4.358	11.847	-0.158
6/23/2017 11:06:55 AM	830.001	4.360	11.869	-0.164
6/23/2017 11:06:56 AM	831.001	4.358	11.860	-0.160
6/23/2017 11:06:57 AM	832.001	4.360	11.852	-0.164
6/23/2017 11:06:58 AM	833.001	4.360	11.848	-0.163
6/23/2017 11:06:59 AM	834.001	4.363	11.891	-0.170
6/23/2017 11:07:00 AM	835.001	4.361	11.838	-0.166
6/23/2017 11:07:01 AM	836.001	4.358	11.853	-0.158
6/23/2017 11:07:02 AM	837.001	4.360	11.837	-0.163
6/23/2017 11:07:03 AM	838.001	4.362	11.857	-0.169
6/23/2017 11:07:04 AM	839.001	4.361	11.853	-0.167
6/23/2017 11:07:05 AM	840.001	4.359	11.852	-0.162
6/23/2017 11:07:06 AM	841.001	4.359	11.822	-0.162
6/23/2017 11:07:07 AM	842.001	4.361	11.864	-0.166
6/23/2017 11:07:08 AM	843.001	4.362	11.839	-0.168
6/23/2017 11:07:09 AM	844.001	4.359	11.847	-0.161
6/23/2017 11:07:10 AM	845.001	4.357	11.869	-0.157
6/23/2017 11:07:11 AM	846.001	4.362	11.866	-0.168
6/23/2017 11:07:12 AM	847.001	4.359	11.856	-0.162
6/23/2017 11:07:13 AM	848.001	4.360	11.852	-0.165
6/23/2017 11:07:14 AM	849.001	4.358	11.830	-0.160
6/23/2017 11:07:15 AM	850.001	4.359	11.848	-0.162
6/23/2017 11:07:16 AM	851.001	4.360	11.877	-0.163
6/23/2017 11:07:17 AM	852.001	4.360	11.833	-0.164
6/23/2017 11:07:18 AM	853.001	4.360	11.866	-0.163
6/23/2017 11:07:19 AM	854.001	4.358	11.857	-0.160
6/23/2017 11:07:20 AM	855.001	4.362	11.836	-0.168
6/23/2017 11:07:21 AM	856.001	4.357	11.860	-0.157
6/23/2017 11:07:22 AM	857.001	4.359	11.837	-0.163
6/23/2017 11:07:23 AM	858.001	4.360	11.843	-0.164
6/23/2017 11:07:24 AM	859.001	4.360	11.850	-0.165
6/23/2017 11:07:25 AM	860.001	4.360	11.842	-0.165
6/23/2017 11:07:26 AM	861.001	4.360	11.884	-0.164
6/23/2017 11:07:27 AM	862.001	4.358	11.842	-0.159
6/23/2017 11:07:28 AM	863.001	4.359	11.844	-0.162
6/23/2017 11:07:29 AM	864.001	4.357	11.860	-0.156
6/23/2017 11:07:30 AM	865.001	4.362	11.890	-0.169

6/23/2017 11:07:31 AM	866.001	4.359	11.891	-0.162
6/23/2017 11:07:32 AM	867.001	4.359	11.840	-0.162
6/23/2017 11:07:33 AM	868.001	4.361	11.841	-0.166
6/23/2017 11:07:34 AM	869.001	4.360	11.854	-0.164
6/23/2017 11:07:35 AM	870.001	4.360	11.835	-0.163
6/23/2017 11:07:36 AM	871.001	4.362	11.853	-0.168
6/23/2017 11:07:37 AM	872.001	4.359	11.858	-0.162
6/23/2017 11:07:38 AM	873.001	4.359	11.860	-0.162
6/23/2017 11:07:39 AM	874.001	4.360	11.858	-0.163
6/23/2017 11:07:40 AM	875.001	4.359	11.856	-0.160
6/23/2017 11:07:41 AM	876.001	4.360	11.883	-0.163
6/23/2017 11:07:42 AM	877.001	4.360	11.850	-0.164
6/23/2017 11:07:43 AM	878.001	4.358	11.877	-0.159
6/23/2017 11:07:44 AM	879.001	4.360	11.838	-0.163
6/23/2017 11:07:45 AM	880.001	4.359	11.871	-0.161
6/23/2017 11:07:46 AM	881.001	4.361	11.852	-0.167
6/23/2017 11:07:47 AM	882.001	4.357	11.877	-0.158
6/23/2017 11:07:48 AM	883.001	4.359	11.850	-0.162
6/23/2017 11:07:49 AM	884.001	4.360	11.819	-0.163
6/23/2017 11:07:50 AM	885.001	4.359	11.874	-0.162
6/23/2017 11:07:51 AM	886.001	4.359	11.875	-0.160
6/23/2017 11:07:52 AM	887.001	4.361	11.853	-0.165
6/23/2017 11:07:53 AM	888.001	4.360	11.851	-0.163
6/23/2017 11:07:54 AM	889.001	4.357	11.852	-0.158
6/23/2017 11:07:55 AM	890.001	4.361	11.840	-0.167
6/23/2017 11:07:56 AM	891.001	4.361	11.834	-0.166
6/23/2017 11:07:57 AM	892.001	4.358	11.875	-0.158
6/23/2017 11:07:58 AM	893.001	4.361	11.871	-0.167
6/23/2017 11:07:59 AM	894.001	4.360	11.858	-0.165
6/23/2017 11:08:00 AM	895.001	4.360	11.865	-0.163
6/23/2017 11:08:01 AM	896.001	4.359	11.841	-0.161
6/23/2017 11:08:02 AM	897.001	4.359	11.856	-0.160
6/23/2017 11:08:03 AM	898.001	4.360	11.866	-0.164
6/23/2017 11:08:04 AM	899.001	4.359	11.844	-0.162
6/23/2017 11:08:05 AM	900.001	4.358	11.840	-0.159
6/23/2017 11:08:06 AM	901.001	4.360	11.835	-0.164
6/23/2017 11:08:07 AM	902.001	4.358	11.856	-0.160
6/23/2017 11:08:08 AM	903.001	4.358	11.844	-0.160
6/23/2017 11:08:09 AM	904.001	4.360	11.843	-0.165
6/23/2017 11:08:10 AM	905.001	4.358	11.847	-0.159
6/23/2017 11:08:11 AM	906.001	4.360	11.871	-0.163
6/23/2017 11:08:12 AM	907.001	4.359	11.859	-0.161
6/23/2017 11:08:13 AM	908.001	4.359	11.871	-0.162
6/23/2017 11:08:14 AM	909.001	4.360	11.810	-0.165
6/23/2017 11:08:15 AM	910.001	4.360	11.846	-0.164
6/23/2017 11:08:16 AM	911.001	4.360	11.852	-0.164
6/23/2017 11:08:17 AM	912.001	4.357	11.837	-0.156
6/23/2017 11:08:18 AM	913.001	4.360	11.830	-0.165
6/23/2017 11:08:19 AM	914.001	4.358	11.849	-0.159
6/23/2017 11:08:20 AM	915.001	4.358	11.898	-0.160
6/23/2017 11:08:21 AM	916.001	4.359	11.880	-0.161
6/23/2017 11:08:22 AM	917.001	4.355	11.861	-0.153
6/23/2017 11:08:23 AM	918.001	4.359	11.843	-0.161
6/23/2017 11:08:24 AM	919.001	4.360	11.844	-0.164
6/23/2017 11:08:25 AM	920.001	4.358	11.838	-0.160
6/23/2017 11:08:26 AM	921.001	4.358	11.861	-0.158
6/23/2017 11:08:27 AM	922.001	4.357	11.822	-0.158
6/23/2017 11:08:28 AM	923.001	4.358	11.844	-0.159
6/23/2017 11:08:29 AM	924.001	4.356	11.838	-0.155
6/23/2017 11:08:30 AM	925.001	4.359	11.855	-0.162
6/23/2017 11:08:31 AM	926.001	4.359	11.855	-0.162
6/23/2017 11:08:32 AM	927.001	4.355	11.844	-0.151
6/23/2017 11:08:33 AM	928.001	4.359	11.831	-0.160

6/23/2017 11:08:34 AM	929.001	4.359	11.841	-0.162
6/23/2017 11:08:35 AM	930.001	4.357	11.870	-0.156
6/23/2017 11:08:36 AM	931.001	4.357	11.839	-0.158
6/23/2017 11:08:37 AM	932.001	4.358	11.841	-0.160
6/23/2017 11:08:38 AM	933.001	4.360	11.836	-0.164
6/23/2017 11:08:39 AM	934.001	4.360	11.857	-0.163
6/23/2017 11:08:40 AM	935.001	4.355	11.860	-0.153
6/23/2017 11:08:41 AM	936.001	4.359	11.867	-0.162
6/23/2017 11:08:42 AM	937.001	4.362	11.858	-0.168
6/23/2017 11:08:43 AM	938.001	4.357	11.851	-0.157
6/23/2017 11:08:44 AM	939.001	4.356	11.836	-0.154
6/23/2017 11:08:45 AM	940.001	4.357	11.856	-0.158
6/23/2017 11:08:46 AM	941.001	4.354	11.871	-0.150
6/23/2017 11:08:47 AM	942.001	4.357	11.855	-0.158
6/23/2017 11:08:48 AM	943.001	4.360	11.850	-0.163
6/23/2017 11:08:49 AM	944.001	4.356	11.853	-0.155
6/23/2017 11:08:50 AM	945.001	4.358	11.859	-0.160
6/23/2017 11:08:51 AM	946.001	4.357	11.858	-0.156
6/23/2017 11:08:52 AM	947.001	4.359	11.874	-0.161
6/23/2017 11:08:53 AM	948.001	4.359	11.818	-0.161
6/23/2017 11:08:54 AM	949.001	4.357	11.859	-0.157
6/23/2017 11:08:55 AM	950.001	4.357	11.844	-0.157
6/23/2017 11:08:56 AM	951.001	4.358	11.847	-0.159
6/23/2017 11:08:57 AM	952.001	4.360	11.860	-0.163
6/23/2017 11:08:58 AM	953.001	4.357	11.854	-0.158
6/23/2017 11:08:59 AM	954.001	4.358	11.868	-0.160
6/23/2017 11:09:00 AM	955.001	4.359	11.846	-0.161
6/23/2017 11:09:01 AM	956.001	4.358	11.857	-0.160
6/23/2017 11:09:02 AM	957.001	4.359	11.879	-0.161
6/23/2017 11:09:03 AM	958.001	4.360	11.850	-0.164
6/23/2017 11:09:04 AM	959.001	4.360	11.846	-0.164
6/23/2017 11:09:05 AM	960.001	4.359	11.858	-0.161
6/23/2017 11:09:06 AM	961.001	4.357	11.848	-0.158
6/23/2017 11:09:07 AM	962.001	4.356	11.859	-0.154
6/23/2017 11:09:08 AM	963.001	4.355	11.851	-0.153
6/23/2017 11:09:09 AM	964.001	4.359	11.828	-0.161
6/23/2017 11:09:10 AM	965.001	4.359	11.875	-0.161
6/23/2017 11:09:11 AM	966.001	4.357	11.852	-0.157
6/23/2017 11:09:12 AM	967.001	4.358	11.846	-0.159
6/23/2017 11:09:13 AM	968.001	4.357	11.845	-0.157
6/23/2017 11:09:14 AM	969.001	4.359	11.856	-0.162
6/23/2017 11:09:15 AM	970.001	4.357	11.858	-0.158
6/23/2017 11:09:16 AM	971.001	4.356	11.853	-0.154
6/23/2017 11:09:17 AM	972.001	4.355	11.870	-0.152
6/23/2017 11:09:18 AM	973.001	4.359	11.840	-0.162
6/23/2017 11:09:19 AM	974.001	4.356	11.818	-0.155
6/23/2017 11:09:20 AM	975.001	4.355	11.854	-0.153
6/23/2017 11:09:21 AM	976.001	4.356	11.831	-0.155
6/23/2017 11:09:22 AM	977.001	4.359	11.867	-0.161
6/23/2017 11:09:23 AM	978.001	4.358	11.846	-0.160
6/23/2017 11:09:24 AM	979.001	4.355	11.818	-0.153
6/23/2017 11:09:25 AM	980.001	4.357	11.826	-0.157
6/23/2017 11:09:26 AM	981.001	4.359	11.845	-0.161
6/23/2017 11:09:27 AM	982.001	4.357	11.858	-0.156
6/23/2017 11:09:28 AM	983.001	4.356	11.847	-0.155
6/23/2017 11:09:29 AM	984.001	4.357	11.830	-0.156
6/23/2017 11:09:30 AM	985.002	4.355	11.847	-0.151
6/23/2017 11:09:31 AM	986.002	4.359	11.830	-0.161
6/23/2017 11:09:32 AM	987.002	4.358	11.852	-0.159
6/23/2017 11:09:33 AM	988.002	4.358	11.853	-0.159
6/23/2017 11:09:34 AM	989.002	4.356	11.869	-0.155
6/23/2017 11:09:35 AM	990.002	4.357	11.834	-0.158
6/23/2017 11:09:36 AM	991.002	4.355	11.844	-0.153

6/23/2017 11:09:37 AM	992.001	4.358	11.846	-0.159
6/23/2017 11:09:38 AM	993.001	4.356	11.862	-0.155
6/23/2017 11:09:39 AM	994.001	4.356	11.825	-0.155
6/23/2017 11:09:40 AM	995.001	4.356	11.848	-0.154
6/23/2017 11:09:41 AM	996.001	4.357	11.846	-0.156
6/23/2017 11:09:42 AM	997.001	4.358	11.876	-0.158
6/23/2017 11:09:43 AM	998.001	4.358	11.858	-0.158
6/23/2017 11:09:44 AM	999.001	4.353	11.850	-0.148
6/23/2017 11:09:45 AM	1000.001	4.356	11.833	-0.155
6/23/2017 11:09:46 AM	1001.001	4.360	11.871	-0.163
6/23/2017 11:09:47 AM	1002.001	4.357	11.837	-0.157
6/23/2017 11:09:48 AM	1003.001	4.358	11.844	-0.159
6/23/2017 11:09:49 AM	1004.001	4.358	11.841	-0.160
6/23/2017 11:09:50 AM	1005.001	4.355	11.872	-0.153
6/23/2017 11:09:51 AM	1006.001	4.357	11.877	-0.157
6/23/2017 11:09:52 AM	1007.001	4.355	11.873	-0.153
6/23/2017 11:09:53 AM	1008.001	4.354	11.863	-0.151
6/23/2017 11:09:54 AM	1009.001	4.357	11.850	-0.157
6/23/2017 11:09:55 AM	1010.001	4.357	11.846	-0.158
6/23/2017 11:09:56 AM	1011.001	4.356	11.847	-0.155
6/23/2017 11:09:57 AM	1012.001	4.356	11.885	-0.156
6/23/2017 11:09:58 AM	1013.001	4.359	11.855	-0.162
6/23/2017 11:09:59 AM	1014.001	4.356	11.838	-0.154
6/23/2017 11:10:00 AM	1015.001	4.357	11.874	-0.156
6/23/2017 11:10:01 AM	1016.001	4.356	11.827	-0.154
6/23/2017 11:10:02 AM	1017.001	4.357	11.842	-0.157
6/23/2017 11:10:03 AM	1018.001	4.358	11.848	-0.158
6/23/2017 11:10:04 AM	1019.001	4.358	11.858	-0.160
6/23/2017 11:10:05 AM	1020.001	4.354	11.832	-0.150
6/23/2017 11:10:06 AM	1021.001	4.356	11.836	-0.155
6/23/2017 11:10:07 AM	1022.001	4.357	11.885	-0.158
6/23/2017 11:10:08 AM	1023.001	4.355	11.827	-0.151
6/23/2017 11:10:09 AM	1024.001	4.357	11.837	-0.157
6/23/2017 11:10:10 AM	1025.001	4.356	11.834	-0.154
6/23/2017 11:10:11 AM	1026.001	4.355	11.862	-0.153
6/23/2017 11:10:12 AM	1027.001	4.357	11.869	-0.156
6/23/2017 11:10:13 AM	1028.001	4.355	11.850	-0.152
6/23/2017 11:10:14 AM	1029.001	4.353	11.879	-0.149
6/23/2017 11:10:15 AM	1030.001	4.357	11.818	-0.157
6/23/2017 11:10:16 AM	1031.001	4.356	11.814	-0.155
6/23/2017 11:10:17 AM	1032.001	4.357	11.843	-0.156
6/23/2017 11:10:18 AM	1033.001	4.359	11.852	-0.162
6/23/2017 11:10:19 AM	1034.001	4.353	11.833	-0.148
6/23/2017 11:10:20 AM	1035.001	4.356	11.858	-0.155
6/23/2017 11:10:21 AM	1036.001	4.355	11.872	-0.151
6/23/2017 11:10:22 AM	1037.001	4.358	11.833	-0.159
6/23/2017 11:10:23 AM	1038.001	4.357	11.878	-0.156
6/23/2017 11:10:24 AM	1039.001	4.356	11.851	-0.155
6/23/2017 11:10:25 AM	1040.001	4.358	11.833	-0.159
6/23/2017 11:10:26 AM	1041.001	4.357	11.859	-0.156
6/23/2017 11:10:27 AM	1042.001	4.358	11.821	-0.159
6/23/2017 11:10:28 AM	1043.001	4.357	11.865	-0.156
6/23/2017 11:10:29 AM	1044.001	4.357	11.869	-0.157
6/23/2017 11:10:30 AM	1045.001	4.355	11.867	-0.151
6/23/2017 11:10:31 AM	1046.001	4.358	11.875	-0.159
6/23/2017 11:10:32 AM	1047.001	4.354	11.846	-0.150
6/23/2017 11:10:33 AM	1048.001	4.356	11.827	-0.155
6/23/2017 11:10:34 AM	1049.001	4.355	11.880	-0.152
6/23/2017 11:10:35 AM	1050.001	4.358	11.829	-0.159
6/23/2017 11:10:36 AM	1051.001	4.355	11.869	-0.151
6/23/2017 11:10:37 AM	1052.001	4.354	11.850	-0.151
6/23/2017 11:10:38 AM	1053.001	4.354	11.844	-0.149
6/23/2017 11:10:39 AM	1054.001	4.359	11.852	-0.161

6/23/2017 11:10:40 AM	1055.001	4.357	11.833	-0.158
6/23/2017 11:10:41 AM	1056.001	4.356	11.875	-0.155
6/23/2017 11:10:42 AM	1057.001	4.357	11.826	-0.157
6/23/2017 11:10:43 AM	1058.001	4.354	11.836	-0.151
6/23/2017 11:10:44 AM	1059.001	4.355	11.864	-0.152
6/23/2017 11:10:45 AM	1060.001	4.355	11.850	-0.152
6/23/2017 11:10:46 AM	1061.001	4.358	11.871	-0.158
6/23/2017 11:10:47 AM	1062.001	4.358	11.836	-0.158
6/23/2017 11:10:48 AM	1063.001	4.356	11.840	-0.154
6/23/2017 11:10:49 AM	1064.001	4.357	11.843	-0.156
6/23/2017 11:10:50 AM	1065.001	4.355	11.843	-0.152
6/23/2017 11:10:51 AM	1066.001	4.356	11.846	-0.155
6/23/2017 11:10:52 AM	1067.001	4.357	11.849	-0.156
6/23/2017 11:10:53 AM	1068.001	4.355	11.871	-0.152
6/23/2017 11:10:54 AM	1069.001	4.353	11.850	-0.148
6/23/2017 11:10:55 AM	1070.001	4.353	11.873	-0.148
6/23/2017 11:10:56 AM	1071.001	4.356	11.849	-0.154
6/23/2017 11:10:57 AM	1072.001	4.354	11.847	-0.150
6/23/2017 11:10:58 AM	1073.001	4.354	11.803	-0.150
6/23/2017 11:10:59 AM	1074.001	4.354	11.854	-0.150
6/23/2017 11:11:00 AM	1075.001	4.356	11.816	-0.154
6/23/2017 11:11:01 AM	1076.001	4.357	11.871	-0.157
6/23/2017 11:11:02 AM	1077.001	4.352	11.830	-0.145
6/23/2017 11:11:03 AM	1078.001	4.357	11.839	-0.157
6/23/2017 11:11:04 AM	1079.001	4.354	11.833	-0.150
6/23/2017 11:11:05 AM	1080.001	4.355	11.829	-0.153
6/23/2017 11:11:06 AM	1081.001	4.353	11.846	-0.148
6/23/2017 11:11:07 AM	1082.001	4.355	11.844	-0.153
6/23/2017 11:11:08 AM	1083.001	4.355	11.863	-0.152
6/23/2017 11:11:09 AM	1084.001	4.355	11.826	-0.152
6/23/2017 11:11:10 AM	1085.001	4.352	11.869	-0.145
6/23/2017 11:11:11 AM	1086.001	4.354	11.832	-0.151
6/23/2017 11:11:12 AM	1087.001	4.354	11.861	-0.150
6/23/2017 11:11:13 AM	1088.001	4.355	11.869	-0.153
6/23/2017 11:11:14 AM	1089.001	4.355	11.851	-0.153
6/23/2017 11:11:15 AM	1090.001	4.355	11.820	-0.152
6/23/2017 11:11:16 AM	1091.001	4.354	11.854	-0.149
6/23/2017 11:11:17 AM	1092.001	4.354	11.836	-0.150
6/23/2017 11:11:18 AM	1093.001	4.355	11.850	-0.153
6/23/2017 11:11:19 AM	1094.001	4.356	11.841	-0.155
6/23/2017 11:11:20 AM	1095.001	4.356	11.839	-0.155
6/23/2017 11:11:21 AM	1096.001	4.353	11.869	-0.148
6/23/2017 11:11:22 AM	1097.001	4.352	11.845	-0.146
6/23/2017 11:11:23 AM	1098.001	4.351	11.844	-0.144
6/23/2017 11:11:24 AM	1099.001	4.353	11.853	-0.147
6/23/2017 11:11:25 AM	1100.001	4.354	11.861	-0.151
6/23/2017 11:11:26 AM	1101.001	4.356	11.842	-0.155
6/23/2017 11:11:27 AM	1102.001	4.352	11.814	-0.146
6/23/2017 11:11:28 AM	1103.001	4.354	11.843	-0.149
6/23/2017 11:11:29 AM	1104.001	4.355	11.871	-0.151
6/23/2017 11:11:30 AM	1105.001	4.353	11.844	-0.147
6/23/2017 11:11:31 AM	1106.001	4.354	11.840	-0.150
6/23/2017 11:11:32 AM	1107.001	4.355	11.858	-0.152
6/23/2017 11:11:33 AM	1108.001	4.353	11.883	-0.149
6/23/2017 11:11:34 AM	1109.001	4.352	11.861	-0.145
6/23/2017 11:11:35 AM	1110.001	4.352	11.853	-0.146
6/23/2017 11:11:36 AM	1111.001	4.352	11.869	-0.145
6/23/2017 11:11:37 AM	1112.001	4.353	11.833	-0.148
6/23/2017 11:11:38 AM	1113.001	4.356	11.826	-0.155
6/23/2017 11:11:39 AM	1114.001	4.353	11.854	-0.147
6/23/2017 11:11:40 AM	1115.001	4.355	11.859	-0.153
6/23/2017 11:11:41 AM	1116.001	4.353	11.836	-0.148
6/23/2017 11:11:42 AM	1117.001	4.354	11.854	-0.149

6/23/2017 11:11:43 AM	1118.001	4.355	11.828	-0.152
6/23/2017 11:11:44 AM	1119.001	4.356	11.819	-0.155
6/23/2017 11:11:45 AM	1120.001	4.355	11.823	-0.151
6/23/2017 11:11:46 AM	1121.001	4.353	11.841	-0.148
6/23/2017 11:11:47 AM	1122.001	4.354	11.855	-0.149
6/23/2017 11:11:48 AM	1123.001	4.352	11.850	-0.146
6/23/2017 11:11:49 AM	1124.001	4.355	11.859	-0.153
6/23/2017 11:11:50 AM	1125.001	4.356	11.853	-0.155
6/23/2017 11:11:51 AM	1126.001	4.354	11.875	-0.150
6/23/2017 11:11:52 AM	1127.001	4.355	11.877	-0.151
6/23/2017 11:11:53 AM	1128.001	4.351	11.863	-0.144
6/23/2017 11:11:54 AM	1129.001	4.354	11.852	-0.151
6/23/2017 11:11:55 AM	1130.001	4.353	11.825	-0.147
6/23/2017 11:11:56 AM	1131.001	4.353	11.826	-0.149
6/23/2017 11:11:57 AM	1132.001	4.352	11.872	-0.144
6/23/2017 11:11:58 AM	1133.001	4.353	11.839	-0.147
6/23/2017 11:11:59 AM	1134.001	4.353	11.852	-0.148
6/23/2017 11:12:00 AM	1135.001	4.353	11.852	-0.148
6/23/2017 11:12:01 AM	1136.001	4.354	11.869	-0.149
6/23/2017 11:12:02 AM	1137.001	4.354	11.861	-0.149
6/23/2017 11:12:03 AM	1138.001	4.354	11.833	-0.150
6/23/2017 11:12:04 AM	1139.001	4.352	11.843	-0.145
6/23/2017 11:12:05 AM	1140.001	4.354	11.828	-0.151
6/23/2017 11:12:06 AM	1141.001	4.353	11.812	-0.147
6/23/2017 11:12:07 AM	1142.001	4.353	11.807	-0.148
6/23/2017 11:12:08 AM	1143.001	4.354	11.839	-0.150
6/23/2017 11:12:09 AM	1144.001	4.350	11.844	-0.142
6/23/2017 11:12:10 AM	1145.001	4.352	11.854	-0.146
6/23/2017 11:12:11 AM	1146.001	4.354	11.844	-0.151
6/23/2017 11:12:12 AM	1147.001	4.354	11.862	-0.150
6/23/2017 11:12:13 AM	1148.001	4.352	11.830	-0.144
6/23/2017 11:12:14 AM	1149.001	4.354	11.864	-0.151
6/23/2017 11:12:15 AM	1150.001	4.354	11.838	-0.150
6/23/2017 11:12:16 AM	1151.001	4.354	11.823	-0.149
6/23/2017 11:12:17 AM	1152.001	4.352	11.826	-0.146
6/23/2017 11:12:18 AM	1153.001	4.353	11.826	-0.147
6/23/2017 11:12:19 AM	1154.001	4.353	11.838	-0.149
6/23/2017 11:12:20 AM	1155.001	4.351	11.843	-0.143
6/23/2017 11:12:21 AM	1156.001	4.352	11.836	-0.145
6/23/2017 11:12:22 AM	1157.001	4.354	11.828	-0.149
6/23/2017 11:12:23 AM	1158.001	4.353	11.858	-0.149
6/23/2017 11:12:24 AM	1159.001	4.354	11.811	-0.149
6/23/2017 11:12:25 AM	1160.001	4.351	11.833	-0.143
6/23/2017 11:12:26 AM	1161.001	4.352	11.844	-0.145
6/23/2017 11:12:27 AM	1162.001	4.351	11.830	-0.144
6/23/2017 11:12:28 AM	1163.001	4.354	11.856	-0.150
6/23/2017 11:12:29 AM	1164.001	4.353	11.819	-0.147
6/23/2017 11:12:30 AM	1165.001	4.355	11.889	-0.151
6/23/2017 11:12:31 AM	1166.001	4.353	11.862	-0.148
6/23/2017 11:12:32 AM	1167.001	4.353	11.839	-0.147
6/23/2017 11:12:33 AM	1168.001	4.354	11.824	-0.151
6/23/2017 11:12:34 AM	1169.001	4.353	11.829	-0.147
6/23/2017 11:12:35 AM	1170.001	4.354	11.841	-0.149
6/23/2017 11:12:36 AM	1171.001	4.354	11.824	-0.149
6/23/2017 11:12:37 AM	1172.001	4.352	11.836	-0.144
6/23/2017 11:12:38 AM	1173.001	4.349	11.825	-0.139
6/23/2017 11:12:39 AM	1174.001	4.352	11.858	-0.146
6/23/2017 11:12:40 AM	1175.001	4.354	11.836	-0.149
6/23/2017 11:12:41 AM	1176.001	4.355	11.860	-0.153
6/23/2017 11:12:42 AM	1177.001	4.353	11.843	-0.147
6/23/2017 11:12:43 AM	1178.001	4.355	11.829	-0.152
6/23/2017 11:12:44 AM	1179.001	4.354	11.857	-0.151
6/23/2017 11:12:45 AM	1180.001	4.352	11.843	-0.145

6/23/2017 11:12:46 AM	1181.001	4.353	11.843	-0.147
6/23/2017 11:12:47 AM	1182.001	4.351	11.837	-0.143
6/23/2017 11:12:48 AM	1183.001	4.349	11.877	-0.139
6/23/2017 11:12:49 AM	1184.001	4.353	11.835	-0.147
6/23/2017 11:12:50 AM	1185.001	4.350	11.841	-0.141
6/23/2017 11:12:51 AM	1186.001	4.349	11.856	-0.139
6/23/2017 11:12:52 AM	1187.001	4.353	11.830	-0.148
6/23/2017 11:12:53 AM	1188.001	4.350	11.862	-0.140
6/23/2017 11:12:54 AM	1189.001	4.351	11.853	-0.144
6/23/2017 11:12:55 AM	1190.001	4.352	11.871	-0.146
6/23/2017 11:12:56 AM	1191.001	4.354	11.845	-0.149
6/23/2017 11:12:57 AM	1192.001	4.352	11.854	-0.145
6/23/2017 11:12:58 AM	1193.001	4.352	11.886	-0.145
6/23/2017 11:12:59 AM	1194.001	4.350	11.829	-0.141
6/23/2017 11:13:00 AM	1195.001	4.350	11.830	-0.141
6/23/2017 11:13:01 AM	1196.001	4.351	11.850	-0.144
6/23/2017 11:13:02 AM	1197.001	4.351	11.847	-0.144
6/23/2017 11:13:03 AM	1198.001	4.352	11.830	-0.146
6/23/2017 11:13:04 AM	1199.001	4.350	11.822	-0.141
6/23/2017 11:13:05 AM	1200.001	4.352	11.866	-0.144
6/23/2017 11:13:06 AM	1201.001	4.352	11.866	-0.146
6/23/2017 11:13:07 AM	1202.001	4.351	11.844	-0.143
6/23/2017 11:13:08 AM	1203.001	4.351	11.855	-0.143
6/23/2017 11:13:09 AM	1204.001	4.351	11.862	-0.143
6/23/2017 11:13:10 AM	1205.001	4.349	11.843	-0.139
6/23/2017 11:13:11 AM	1206.001	4.351	11.860	-0.144
6/23/2017 11:13:12 AM	1207.001	4.349	11.858	-0.140
6/23/2017 11:13:13 AM	1208.001	4.351	11.861	-0.143
6/23/2017 11:13:14 AM	1209.001	4.352	11.865	-0.145
6/23/2017 11:13:15 AM	1210.001	4.352	11.852	-0.145
6/23/2017 11:13:16 AM	1211.001	4.352	11.869	-0.145
6/23/2017 11:13:17 AM	1212.001	4.352	11.847	-0.146
6/23/2017 11:13:18 AM	1213.001	4.352	11.900	-0.145
6/23/2017 11:13:19 AM	1214.001	4.352	11.846	-0.146
6/23/2017 11:13:20 AM	1215.001	4.352	11.889	-0.144
6/23/2017 11:13:21 AM	1216.001	4.355	11.830	-0.152
6/23/2017 11:13:22 AM	1217.001	4.351	11.847	-0.143
6/23/2017 11:13:23 AM	1218.001	4.349	11.852	-0.137
6/23/2017 11:13:24 AM	1219.001	4.351	11.857	-0.144
6/23/2017 11:13:25 AM	1220.001	4.352	11.852	-0.146
6/23/2017 11:13:26 AM	1221.001	4.352	11.850	-0.144
6/23/2017 11:13:27 AM	1222.001	4.351	11.860	-0.144
6/23/2017 11:13:28 AM	1223.001	4.351	11.866	-0.142
6/23/2017 11:13:29 AM	1224.001	4.349	11.858	-0.139
6/23/2017 11:13:30 AM	1225.001	4.351	11.845	-0.143
6/23/2017 11:13:31 AM	1226.001	4.351	11.858	-0.143
6/23/2017 11:13:32 AM	1227.001	4.352	11.856	-0.146
6/23/2017 11:13:33 AM	1228.001	4.351	11.867	-0.143
6/23/2017 11:13:34 AM	1229.001	4.353	11.859	-0.148
6/23/2017 11:13:35 AM	1230.001	4.351	11.850	-0.142
6/23/2017 11:13:36 AM	1231.001	4.351	11.864	-0.143
6/23/2017 11:13:37 AM	1232.001	4.348	11.880	-0.136
6/23/2017 11:13:38 AM	1233.001	4.350	11.872	-0.141
6/23/2017 11:13:39 AM	1234.001	4.351	11.866	-0.143
6/23/2017 11:13:40 AM	1235.001	4.351	11.839	-0.144
6/23/2017 11:13:41 AM	1236.001	4.351	11.868	-0.143
6/23/2017 11:13:42 AM	1237.001	4.350	11.889	-0.141
6/23/2017 11:13:43 AM	1238.001	4.351	11.855	-0.142
6/23/2017 11:13:44 AM	1239.001	4.349	11.872	-0.139
6/23/2017 11:13:45 AM	1240.001	4.350	11.877	-0.142
6/23/2017 11:13:46 AM	1241.001	4.349	11.868	-0.139
6/23/2017 11:13:47 AM	1242.001	4.350	11.876	-0.141
6/23/2017 11:13:48 AM	1243.001	4.349	11.859	-0.140

6/23/2017 11:13:49 AM	1244.001	4.351	11.852	-0.144
6/23/2017 11:13:50 AM	1245.001	4.351	11.867	-0.143
6/23/2017 11:13:51 AM	1246.001	4.348	11.863	-0.137
6/23/2017 11:13:52 AM	1247.001	4.353	11.866	-0.148
6/23/2017 11:13:53 AM	1248.001	4.349	11.839	-0.138
6/23/2017 11:13:54 AM	1249.001	4.352	11.860	-0.144
6/23/2017 11:13:55 AM	1250.001	4.352	11.864	-0.146
6/23/2017 11:13:56 AM	1251.001	4.352	11.857	-0.144
6/23/2017 11:13:57 AM	1252.001	4.351	11.864	-0.142
6/23/2017 11:13:58 AM	1253.001	4.349	11.847	-0.139
6/23/2017 11:13:59 AM	1254.001	4.353	11.853	-0.147
6/23/2017 11:14:00 AM	1255.001	4.352	11.871	-0.145
6/23/2017 11:14:01 AM	1256.001	4.351	11.904	-0.143
6/23/2017 11:14:02 AM	1257.001	4.349	11.901	-0.138
6/23/2017 11:14:03 AM	1258.001	4.349	11.868	-0.138
6/23/2017 11:14:04 AM	1259.001	4.351	11.858	-0.143
6/23/2017 11:14:05 AM	1260.001	4.351	11.873	-0.143
6/23/2017 11:14:06 AM	1261.001	4.349	11.859	-0.139
6/23/2017 11:14:07 AM	1262.001	4.350	11.856	-0.142
6/23/2017 11:14:08 AM	1263.001	4.350	11.853	-0.141
6/23/2017 11:14:09 AM	1264.001	4.350	11.869	-0.140
6/23/2017 11:14:10 AM	1265.001	4.350	11.886	-0.141
6/23/2017 11:14:11 AM	1266.001	4.349	11.872	-0.139
6/23/2017 11:14:12 AM	1267.001	4.349	11.863	-0.138
6/23/2017 11:14:13 AM	1268.001	4.350	11.891	-0.140
6/23/2017 11:14:14 AM	1269.001	4.349	11.855	-0.138
6/23/2017 11:14:15 AM	1270.001	4.352	11.850	-0.145
6/23/2017 11:14:16 AM	1271.001	4.351	11.869	-0.142
6/23/2017 11:14:17 AM	1272.001	4.347	11.863	-0.134
6/23/2017 11:14:18 AM	1273.001	4.349	11.860	-0.137
6/23/2017 11:14:19 AM	1274.001	4.350	11.864	-0.141
6/23/2017 11:14:20 AM	1275.001	4.351	11.874	-0.143
6/23/2017 11:14:21 AM	1276.001	4.347	11.867	-0.134
6/23/2017 11:14:22 AM	1277.001	4.350	11.830	-0.141
6/23/2017 11:14:23 AM	1278.001	4.351	11.849	-0.143
6/23/2017 11:14:24 AM	1279.001	4.349	11.866	-0.139
6/23/2017 11:14:25 AM	1280.001	4.350	11.869	-0.140
6/23/2017 11:14:26 AM	1281.001	4.350	11.883	-0.141
6/23/2017 11:14:27 AM	1282.001	4.349	11.847	-0.139
6/23/2017 11:14:28 AM	1283.001	4.351	11.844	-0.142
6/23/2017 11:14:29 AM	1284.001	4.349	11.877	-0.139
6/23/2017 11:14:30 AM	1285.001	4.349	11.863	-0.138
6/23/2017 11:14:31 AM	1286.001	4.352	11.880	-0.145
6/23/2017 11:14:32 AM	1287.001	4.349	11.860	-0.139
6/23/2017 11:14:33 AM	1288.001	4.349	11.880	-0.139
6/23/2017 11:14:34 AM	1289.001	4.348	11.871	-0.135
6/23/2017 11:14:35 AM	1290.001	4.350	11.841	-0.141
6/23/2017 11:14:36 AM	1291.001	4.351	11.835	-0.142
6/23/2017 11:14:37 AM	1292.001	4.349	11.862	-0.138
6/23/2017 11:14:38 AM	1293.001	4.351	11.861	-0.144
6/23/2017 11:14:39 AM	1294.001	4.350	11.867	-0.140
6/23/2017 11:14:40 AM	1295.001	4.348	11.889	-0.137
6/23/2017 11:14:41 AM	1296.001	4.352	11.861	-0.145
6/23/2017 11:14:42 AM	1297.001	4.351	11.860	-0.142
6/23/2017 11:14:43 AM	1298.001	4.348	11.859	-0.136
6/23/2017 11:14:44 AM	1299.001	4.351	11.858	-0.143
6/23/2017 11:14:45 AM	1300.001	4.351	11.840	-0.142
6/23/2017 11:14:46 AM	1301.001	4.350	11.850	-0.140
6/23/2017 11:14:47 AM	1302.001	4.349	11.847	-0.137
6/23/2017 11:14:48 AM	1303.001	4.349	11.861	-0.138
6/23/2017 11:14:49 AM	1304.001	4.347	11.841	-0.135
6/23/2017 11:14:50 AM	1305.001	4.350	11.845	-0.141
6/23/2017 11:14:51 AM	1306.001	4.348	11.864	-0.136

6/23/2017 11:14:52 AM	1307.001	4.350	11.839	-0.140
6/23/2017 11:14:53 AM	1308.001	4.349	11.837	-0.138
6/23/2017 11:14:54 AM	1309.001	4.350	11.861	-0.140
6/23/2017 11:14:55 AM	1310.001	4.350	11.891	-0.141
6/23/2017 11:14:56 AM	1311.001	4.349	11.858	-0.138
6/23/2017 11:14:57 AM	1312.001	4.348	11.869	-0.137
6/23/2017 11:14:58 AM	1313.001	4.351	11.859	-0.143
6/23/2017 11:14:59 AM	1314.001	4.348	11.866	-0.136
6/23/2017 11:15:00 AM	1315.001	4.350	11.871	-0.141
6/23/2017 11:15:01 AM	1316.001	4.347	11.850	-0.134
6/23/2017 11:15:02 AM	1317.001	4.351	11.848	-0.143
6/23/2017 11:15:03 AM	1318.001	4.349	11.853	-0.137
6/23/2017 11:15:04 AM	1319.001	4.350	11.847	-0.140
6/23/2017 11:15:05 AM	1320.001	4.348	11.829	-0.137
6/23/2017 11:15:06 AM	1321.001	4.348	11.871	-0.136
6/23/2017 11:15:07 AM	1322.001	4.348	11.861	-0.136
6/23/2017 11:15:08 AM	1323.001	4.348	11.861	-0.136
6/23/2017 11:15:09 AM	1324.001	4.350	11.869	-0.141
6/23/2017 11:15:10 AM	1325.001	4.348	11.865	-0.136
6/23/2017 11:15:11 AM	1326.001	4.353	11.864	-0.147
6/23/2017 11:15:12 AM	1327.001	4.349	11.864	-0.138
6/23/2017 11:15:13 AM	1328.001	4.347	11.850	-0.134
6/23/2017 11:15:14 AM	1329.001	4.351	11.877	-0.142
6/23/2017 11:15:15 AM	1330.001	4.350	11.867	-0.140
6/23/2017 11:15:16 AM	1331.001	4.350	11.879	-0.140
6/23/2017 11:15:17 AM	1332.001	4.349	11.840	-0.137
6/23/2017 11:15:18 AM	1333.001	4.349	11.854	-0.139
6/23/2017 11:15:19 AM	1334.001	4.348	11.859	-0.136
6/23/2017 11:15:20 AM	1335.001	4.352	11.878	-0.145
6/23/2017 11:15:21 AM	1336.001	4.348	11.864	-0.136
6/23/2017 11:15:22 AM	1337.001	4.349	11.859	-0.138
6/23/2017 11:15:23 AM	1338.001	4.350	11.844	-0.142
6/23/2017 11:15:24 AM	1339.001	4.351	11.834	-0.142
6/23/2017 11:15:25 AM	1340.001	4.350	11.820	-0.141
6/23/2017 11:15:26 AM	1341.001	4.349	11.843	-0.138
6/23/2017 11:15:27 AM	1342.001	4.349	11.842	-0.139
6/23/2017 11:15:28 AM	1343.001	4.350	11.811	-0.141
6/23/2017 11:15:29 AM	1344.001	4.350	11.828	-0.141
6/23/2017 11:15:30 AM	1345.001	4.348	11.849	-0.136
6/23/2017 11:15:31 AM	1346.001	4.350	11.847	-0.141
6/23/2017 11:15:32 AM	1347.001	4.350	11.841	-0.141
6/23/2017 11:15:33 AM	1348.001	4.349	11.847	-0.139
6/23/2017 11:15:34 AM	1349.001	4.351	11.859	-0.144
6/23/2017 11:15:35 AM	1350.001	4.348	11.874	-0.135
6/23/2017 11:15:36 AM	1351.001	4.348	11.838	-0.135
6/23/2017 11:15:37 AM	1352.001	4.350	11.869	-0.141
6/23/2017 11:15:38 AM	1353.001	4.350	11.840	-0.140
6/23/2017 11:15:39 AM	1354.001	4.348	11.864	-0.137
6/23/2017 11:15:40 AM	1355.001	4.349	11.877	-0.139
6/23/2017 11:15:41 AM	1356.001	4.349	11.832	-0.137
6/23/2017 11:15:42 AM	1357.001	4.352	11.860	-0.145
6/23/2017 11:15:43 AM	1358.001	4.349	11.811	-0.138
6/23/2017 11:15:44 AM	1359.001	4.346	11.819	-0.133
6/23/2017 11:15:45 AM	1360.001	4.350	11.825	-0.141
6/23/2017 11:15:46 AM	1361.001	4.349	11.853	-0.138
6/23/2017 11:15:47 AM	1362.001	4.347	11.836	-0.135
6/23/2017 11:15:48 AM	1363.001	4.350	11.840	-0.142
6/23/2017 11:15:49 AM	1364.001	4.349	11.841	-0.138
6/23/2017 11:15:50 AM	1365.001	4.350	11.839	-0.141
6/23/2017 11:15:51 AM	1366.001	4.349	11.869	-0.139
6/23/2017 11:15:52 AM	1367.001	4.350	11.844	-0.142
6/23/2017 11:15:53 AM	1368.001	4.348	11.849	-0.135
6/23/2017 11:15:54 AM	1369.001	4.354	11.833	-0.151

6/23/2017 11:15:55 AM	1370.001	4.350	11.840	-0.140
6/23/2017 11:15:56 AM	1371.001	4.348	11.842	-0.136
6/23/2017 11:15:57 AM	1372.001	4.350	11.856	-0.140
6/23/2017 11:15:58 AM	1373.001	4.349	11.833	-0.139
6/23/2017 11:15:59 AM	1374.001	4.348	11.850	-0.137
6/23/2017 11:16:00 AM	1375.001	4.349	11.798	-0.138
6/23/2017 11:16:01 AM	1376.001	4.348	11.838	-0.137
6/23/2017 11:16:02 AM	1377.001	4.348	11.869	-0.135
6/23/2017 11:16:03 AM	1378.001	4.345	11.840	-0.129
6/23/2017 11:16:04 AM	1379.001	4.351	11.869	-0.143
6/23/2017 11:16:05 AM	1380.001	4.350	11.841	-0.141
6/23/2017 11:16:06 AM	1381.001	4.347	11.835	-0.134
6/23/2017 11:16:07 AM	1382.001	4.346	11.821	-0.132
6/23/2017 11:16:08 AM	1383.001	4.349	11.858	-0.139
6/23/2017 11:16:09 AM	1384.001	4.348	11.844	-0.137
6/23/2017 11:16:10 AM	1385.001	4.348	11.853	-0.135
6/23/2017 11:16:11 AM	1386.001	4.346	11.837	-0.131
6/23/2017 11:16:12 AM	1387.001	4.347	11.840	-0.134
6/23/2017 11:16:13 AM	1388.001	4.349	11.840	-0.139
6/23/2017 11:16:14 AM	1389.001	4.346	11.835	-0.131
6/23/2017 11:16:15 AM	1390.001	4.349	11.847	-0.139
6/23/2017 11:16:16 AM	1391.001	4.348	11.856	-0.137
6/23/2017 11:16:17 AM	1392.001	4.345	11.827	-0.129
6/23/2017 11:16:18 AM	1393.001	4.349	11.818	-0.138
6/23/2017 11:16:19 AM	1394.001	4.346	11.828	-0.131
6/23/2017 11:16:20 AM	1395.001	4.349	11.833	-0.139
6/23/2017 11:16:21 AM	1396.001	4.349	11.839	-0.139
6/23/2017 11:16:22 AM	1397.001	4.348	11.844	-0.137
6/23/2017 11:16:23 AM	1398.001	4.350	11.854	-0.142
6/23/2017 11:16:24 AM	1399.001	4.349	11.828	-0.139
6/23/2017 11:16:25 AM	1400.001	4.349	11.874	-0.139
6/23/2017 11:16:26 AM	1401.001	4.346	11.880	-0.132
6/23/2017 11:16:27 AM	1402.001	4.348	11.836	-0.136
6/23/2017 11:16:28 AM	1403.001	4.345	11.817	-0.129
6/23/2017 11:16:29 AM	1404.001	4.346	11.825	-0.132
6/23/2017 11:16:30 AM	1405.001	4.350	11.839	-0.141
6/23/2017 11:16:31 AM	1406.001	4.351	11.843	-0.143
6/23/2017 11:16:32 AM	1407.001	4.349	11.830	-0.138
6/23/2017 11:16:33 AM	1408.001	4.348	11.821	-0.136
6/23/2017 11:16:34 AM	1409.001	4.350	11.850	-0.140
6/23/2017 11:16:35 AM	1410.001	4.349	11.838	-0.138
6/23/2017 11:16:36 AM	1411.001	4.344	11.853	-0.128
6/23/2017 11:16:37 AM	1412.001	4.348	11.859	-0.136
6/23/2017 11:16:38 AM	1413.001	4.350	11.843	-0.140
6/23/2017 11:16:39 AM	1414.001	4.350	11.834	-0.140
6/23/2017 11:16:40 AM	1415.001	4.349	11.835	-0.138
6/23/2017 11:16:41 AM	1416.001	4.349	11.833	-0.139
6/23/2017 11:16:42 AM	1417.001	4.345	11.839	-0.129
6/23/2017 11:16:43 AM	1418.001	4.348	11.823	-0.136
6/23/2017 11:16:44 AM	1419.001	4.348	11.840	-0.135
6/23/2017 11:16:45 AM	1420.001	4.346	11.825	-0.131
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6/23/2017 11:16:47 AM	1422.001	4.348	11.827	-0.135
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6/23/2017 11:16:49 AM	1424.001	4.346	11.824	-0.131
6/23/2017 11:16:50 AM	1425.001	4.348	11.813	-0.137
6/23/2017 11:16:51 AM	1426.001	4.348	11.837	-0.135
6/23/2017 11:16:52 AM	1427.001	4.348	11.836	-0.136
6/23/2017 11:16:53 AM	1428.001	4.349	11.826	-0.138
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6/23/2017 11:16:59 AM	1434.001	4.347	11.807	-0.134
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6/23/2017 11:17:01 AM	1436.001	4.349	11.816	-0.138
6/23/2017 11:17:02 AM	1437.001	4.345	11.822	-0.130
6/23/2017 11:17:03 AM	1438.001	4.347	11.825	-0.133
6/23/2017 11:17:04 AM	1439.001	4.346	11.800	-0.131
6/23/2017 11:17:05 AM	1440.001	4.348	11.825	-0.136
6/23/2017 11:17:06 AM	1441.001	4.348	11.811	-0.137
6/23/2017 11:17:07 AM	1442.001	4.348	11.822	-0.136
6/23/2017 11:17:08 AM	1443.001	4.347	11.814	-0.133
6/23/2017 11:17:09 AM	1444.001	4.348	11.819	-0.137
6/23/2017 11:17:10 AM	1445.001	4.347	11.808	-0.133
6/23/2017 11:17:11 AM	1446.001	4.347	11.843	-0.133
6/23/2017 11:17:12 AM	1447.001	4.348	11.837	-0.136
6/23/2017 11:17:13 AM	1448.001	4.348	11.808	-0.136
6/23/2017 11:17:14 AM	1449.001	4.346	11.853	-0.132
6/23/2017 11:17:15 AM	1450.001	4.346	11.822	-0.132
6/23/2017 11:17:16 AM	1451.001	4.346	11.821	-0.131
6/23/2017 11:17:17 AM	1452.001	4.348	11.800	-0.137
6/23/2017 11:17:18 AM	1453.001	4.345	11.822	-0.130
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6/23/2017 11:17:20 AM	1455.001	4.348	11.829	-0.137
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6/23/2017 11:17:22 AM	1457.001	4.348	11.791	-0.136
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6/23/2017 11:17:24 AM	1459.001	4.349	11.825	-0.139
6/23/2017 11:17:25 AM	1460.001	4.347	11.811	-0.133
6/23/2017 11:17:26 AM	1461.001	4.346	11.813	-0.132
6/23/2017 11:17:27 AM	1462.001	4.348	11.836	-0.135
6/23/2017 11:17:28 AM	1463.001	4.347	11.797	-0.134
6/23/2017 11:17:29 AM	1464.001	4.347	11.828	-0.133
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6/23/2017 11:17:31 AM	1466.001	4.351	11.849	-0.142
6/23/2017 11:17:32 AM	1467.001	4.345	11.811	-0.130
6/23/2017 11:17:33 AM	1468.001	4.350	11.797	-0.140
6/23/2017 11:17:34 AM	1469.001	4.346	11.826	-0.131
6/23/2017 11:17:35 AM	1470.001	4.347	11.794	-0.135
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6/23/2017 11:17:37 AM	1472.001	4.350	11.817	-0.140
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6/23/2017 11:17:47 AM	1482.001	4.347	11.817	-0.134
6/23/2017 11:17:48 AM	1483.001	4.348	11.808	-0.136
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6/23/2017 11:17:57 AM	1492.001	4.349	11.806	-0.138
6/23/2017 11:17:58 AM	1493.001	4.346	11.832	-0.131
6/23/2017 11:17:59 AM	1494.001	4.347	11.822	-0.135
6/23/2017 11:18:00 AM	1495.001	4.346	11.826	-0.131

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6/23/2017 11:18:03 AM	1498.001	4.347	11.799	-0.134
6/23/2017 11:18:04 AM	1499.001	4.346	11.803	-0.131
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6/23/2017 11:18:06 AM	1501.001	4.346	11.814	-0.132
6/23/2017 11:18:07 AM	1502.001	4.346	11.847	-0.131
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6/23/2017 11:18:09 AM	1504.001	4.348	11.808	-0.135
6/23/2017 11:18:10 AM	1505.001	4.348	11.810	-0.136
6/23/2017 11:18:11 AM	1506.001	4.345	11.800	-0.129
6/23/2017 11:18:12 AM	1507.001	4.346	11.820	-0.132
6/23/2017 11:18:13 AM	1508.001	4.347	11.800	-0.133
6/23/2017 11:18:14 AM	1509.001	4.344	11.803	-0.127
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6/23/2017 11:18:16 AM	1511.001	4.347	11.840	-0.134
6/23/2017 11:18:17 AM	1512.001	4.346	11.808	-0.131
6/23/2017 11:18:18 AM	1513.001	4.347	11.783	-0.134
6/23/2017 11:18:19 AM	1514.001	4.349	11.813	-0.138
6/23/2017 11:18:20 AM	1515.001	4.346	11.806	-0.133
6/23/2017 11:18:21 AM	1516.001	4.344	11.817	-0.127
6/23/2017 11:18:22 AM	1517.001	4.348	11.793	-0.135
6/23/2017 11:18:23 AM	1518.001	4.345	11.814	-0.129
6/23/2017 11:18:24 AM	1519.001	4.347	11.813	-0.133
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6/23/2017 11:18:26 AM	1521.001	4.346	11.815	-0.132
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6/23/2017 11:18:28 AM	1523.001	4.348	11.782	-0.137
6/23/2017 11:18:29 AM	1524.001	4.350	11.804	-0.140
6/23/2017 11:18:30 AM	1525.001	4.348	11.826	-0.136
6/23/2017 11:18:31 AM	1526.001	4.346	11.813	-0.131
6/23/2017 11:18:32 AM	1527.001	4.349	11.821	-0.137
6/23/2017 11:18:33 AM	1528.001	4.347	11.795	-0.134
6/23/2017 11:18:34 AM	1529.001	4.347	11.839	-0.135
6/23/2017 11:18:35 AM	1530.001	4.346	11.806	-0.130
6/23/2017 11:18:36 AM	1531.001	4.344	11.800	-0.128
6/23/2017 11:18:37 AM	1532.001	4.349	11.803	-0.138
6/23/2017 11:18:38 AM	1533.001	4.345	11.796	-0.129
6/23/2017 11:18:39 AM	1534.001	4.346	11.800	-0.133
6/23/2017 11:18:40 AM	1535.001	4.347	11.806	-0.134
6/23/2017 11:18:41 AM	1536.001	4.347	11.826	-0.134
6/23/2017 11:18:42 AM	1537.001	4.348	11.801	-0.137
6/23/2017 11:18:43 AM	1538.001	4.345	11.799	-0.130
6/23/2017 11:18:44 AM	1539.001	4.347	11.802	-0.133
6/23/2017 11:18:45 AM	1540.001	4.350	11.783	-0.141
6/23/2017 11:18:46 AM	1541.001	4.349	11.817	-0.139
6/23/2017 11:18:47 AM	1542.001	4.343	11.822	-0.125
6/23/2017 11:18:48 AM	1543.001	4.348	11.799	-0.137
6/23/2017 11:18:49 AM	1544.001	4.346	11.814	-0.132
6/23/2017 11:18:50 AM	1545.001	4.349	11.833	-0.138
6/23/2017 11:18:51 AM	1546.001	4.344	11.833	-0.127
6/23/2017 11:18:52 AM	1547.001	4.351	11.791	-0.143
6/23/2017 11:18:53 AM	1548.001	4.345	11.806	-0.129
6/23/2017 11:18:54 AM	1549.001	4.347	11.814	-0.133
6/23/2017 11:18:55 AM	1550.001	4.347	11.794	-0.134
6/23/2017 11:18:56 AM	1551.001	4.345	11.786	-0.128
6/23/2017 11:18:57 AM	1552.001	4.345	11.796	-0.128
6/23/2017 11:18:58 AM	1553.001	4.347	11.781	-0.134
6/23/2017 11:18:59 AM	1554.001	4.347	11.789	-0.133
6/23/2017 11:19:00 AM	1555.001	4.347	11.805	-0.133
6/23/2017 11:19:01 AM	1556.001	4.348	11.812	-0.136
6/23/2017 11:19:02 AM	1557.001	4.346	11.803	-0.132
6/23/2017 11:19:03 AM	1558.001	4.344	11.822	-0.127

6/23/2017 11:19:04 AM	1559.001	4.350	11.803	-0.140
6/23/2017 11:19:05 AM	1560.001	4.346	11.776	-0.130
6/23/2017 11:19:06 AM	1561.001	4.346	11.820	-0.132
6/23/2017 11:19:07 AM	1562.001	4.351	11.808	-0.143
6/23/2017 11:19:08 AM	1563.001	4.348	11.766	-0.135
6/23/2017 11:19:09 AM	1564.001	4.349	11.816	-0.138
6/23/2017 11:19:10 AM	1565.001	4.347	11.824	-0.133
6/23/2017 11:19:11 AM	1566.001	4.347	11.817	-0.133
6/23/2017 11:19:12 AM	1567.001	4.349	11.817	-0.138
6/23/2017 11:19:13 AM	1568.001	4.346	11.801	-0.133
6/23/2017 11:19:14 AM	1569.001	4.348	11.802	-0.136
6/23/2017 11:19:15 AM	1570.001	4.348	11.789	-0.135
6/23/2017 11:19:16 AM	1571.001	4.345	11.794	-0.129
6/23/2017 11:19:17 AM	1572.001	4.346	11.811	-0.131
6/23/2017 11:19:18 AM	1573.001	4.348	11.789	-0.136
6/23/2017 11:19:19 AM	1574.001	4.347	11.797	-0.134
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6/23/2017 11:19:21 AM	1576.001	4.349	11.784	-0.139
6/23/2017 11:19:22 AM	1577.001	4.345	11.797	-0.128
6/23/2017 11:19:23 AM	1578.001	4.349	11.787	-0.139
6/23/2017 11:19:24 AM	1579.001	4.345	11.774	-0.130
6/23/2017 11:19:25 AM	1580.001	4.347	11.790	-0.133
6/23/2017 11:19:26 AM	1581.001	4.349	11.792	-0.138
6/23/2017 11:19:27 AM	1582.001	4.349	11.772	-0.138
6/23/2017 11:19:28 AM	1583.001	4.345	11.775	-0.129
6/23/2017 11:19:29 AM	1584.001	4.348	11.799	-0.135
6/23/2017 11:19:30 AM	1585.001	4.350	11.775	-0.141
6/23/2017 11:19:31 AM	1586.001	4.347	11.803	-0.134
6/23/2017 11:19:32 AM	1587.001	4.348	11.812	-0.135
6/23/2017 11:19:33 AM	1588.001	4.347	11.791	-0.133
6/23/2017 11:19:34 AM	1589.001	4.348	11.780	-0.136
6/23/2017 11:19:35 AM	1590.001	4.344	11.772	-0.127
6/23/2017 11:19:36 AM	1591.001	4.347	11.812	-0.134
6/23/2017 11:19:37 AM	1592.001	4.347	11.779	-0.134
6/23/2017 11:19:38 AM	1593.001	4.344	11.763	-0.128
6/23/2017 11:19:39 AM	1594.001	4.349	11.761	-0.140
6/23/2017 11:19:40 AM	1595.001	4.348	11.812	-0.136
6/23/2017 11:19:41 AM	1596.001	4.346	11.807	-0.133
6/23/2017 11:19:42 AM	1597.001	4.348	11.804	-0.136
6/23/2017 11:19:43 AM	1598.001	4.347	11.775	-0.134
6/23/2017 11:19:44 AM	1599.001	4.348	11.769	-0.136
6/23/2017 11:19:45 AM	1600.001	4.347	11.786	-0.134
6/23/2017 11:19:46 AM	1601.001	4.346	11.786	-0.131
6/23/2017 11:19:47 AM	1602.001	4.347	11.777	-0.133
6/23/2017 11:19:48 AM	1603.001	4.345	11.773	-0.129
6/23/2017 11:19:49 AM	1604.001	4.345	11.780	-0.130
6/23/2017 11:19:50 AM	1605.001	4.345	11.808	-0.129
6/23/2017 11:19:51 AM	1606.001	4.346	11.767	-0.131
6/23/2017 11:19:52 AM	1607.001	4.345	11.801	-0.130
6/23/2017 11:19:53 AM	1608.001	4.345	11.797	-0.130
6/23/2017 11:19:54 AM	1609.001	4.349	11.767	-0.138
6/23/2017 11:19:55 AM	1610.001	4.344	11.813	-0.126
6/23/2017 11:19:56 AM	1611.001	4.347	11.769	-0.134
6/23/2017 11:19:57 AM	1612.001	4.346	11.793	-0.132
6/23/2017 11:19:58 AM	1613.001	4.345	11.770	-0.128
6/23/2017 11:19:59 AM	1614.001	4.345	11.758	-0.130
6/23/2017 11:20:00 AM	1615.001	4.346	11.778	-0.130
6/23/2017 11:20:01 AM	1616.001	4.347	11.798	-0.134
6/23/2017 11:20:02 AM	1617.001	4.347	11.787	-0.134
6/23/2017 11:20:03 AM	1618.001	4.347	11.811	-0.133
6/23/2017 11:20:04 AM	1619.001	4.344	11.775	-0.127
6/23/2017 11:20:05 AM	1620.001	4.347	11.783	-0.135
6/23/2017 11:20:06 AM	1621.001	4.346	11.790	-0.131

6/23/2017 11:20:07 AM	1622.001	4.351	11.789	-0.142
6/23/2017 11:20:08 AM	1623.001	4.347	11.794	-0.134
6/23/2017 11:20:09 AM	1624.001	4.346	11.781	-0.132
6/23/2017 11:20:10 AM	1625.001	4.347	11.786	-0.133
6/23/2017 11:20:11 AM	1626.001	4.348	11.794	-0.135
6/23/2017 11:20:12 AM	1627.001	4.348	11.767	-0.135
6/23/2017 11:20:13 AM	1628.001	4.347	11.780	-0.133
6/23/2017 11:20:14 AM	1629.001	4.350	11.771	-0.140
6/23/2017 11:20:15 AM	1630.001	4.348	11.789	-0.137
6/23/2017 11:20:16 AM	1631.001	4.351	11.787	-0.142
6/23/2017 11:20:17 AM	1632.001	4.347	11.780	-0.135
6/23/2017 11:20:18 AM	1633.001	4.345	11.780	-0.130
6/23/2017 11:20:19 AM	1634.001	4.348	11.778	-0.136
6/23/2017 11:20:20 AM	1635.001	4.345	11.777	-0.129
6/23/2017 11:20:21 AM	1636.001	4.342	11.777	-0.123
6/23/2017 11:20:22 AM	1637.001	4.347	11.800	-0.134
6/23/2017 11:20:23 AM	1638.001	4.347	11.806	-0.134
6/23/2017 11:20:24 AM	1639.001	4.347	11.795	-0.134
6/23/2017 11:20:25 AM	1640.001	4.347	11.788	-0.133
6/23/2017 11:20:26 AM	1641.001	4.345	11.787	-0.130
6/23/2017 11:20:27 AM	1642.001	4.346	11.772	-0.131
6/23/2017 11:20:28 AM	1643.001	4.346	11.775	-0.130
6/23/2017 11:20:29 AM	1644.001	4.347	11.766	-0.134
6/23/2017 11:20:30 AM	1645.001	4.345	11.789	-0.129
6/23/2017 11:20:31 AM	1646.001	4.346	11.779	-0.132
6/23/2017 11:20:32 AM	1647.001	4.346	11.795	-0.132
6/23/2017 11:20:33 AM	1648.001	4.347	11.754	-0.135
6/23/2017 11:20:34 AM	1649.001	4.345	11.797	-0.130
6/23/2017 11:20:35 AM	1650.001	4.345	11.783	-0.129
6/23/2017 11:20:36 AM	1651.001	4.347	11.771	-0.135
6/23/2017 11:20:37 AM	1652.001	4.348	11.776	-0.136
6/23/2017 11:20:38 AM	1653.001	4.348	11.760	-0.136
6/23/2017 11:20:39 AM	1654.001	4.346	11.767	-0.132
6/23/2017 11:20:40 AM	1655.001	4.345	11.759	-0.129
6/23/2017 11:20:41 AM	1656.001	4.350	11.794	-0.140
6/23/2017 11:20:42 AM	1657.257	4.347	11.797	-0.135
6/23/2017 11:20:43 AM	1658.191	4.350	11.802	-0.141
6/23/2017 11:20:44 AM	1659.120	4.347	11.803	-0.133
6/23/2017 11:20:45 AM	1660.001	4.347	11.823	-0.134
6/23/2017 11:20:46 AM	1661.001	4.347	11.767	-0.134
6/23/2017 11:20:47 AM	1662.001	4.342	11.767	-0.123
6/23/2017 11:20:48 AM	1663.001	4.348	11.777	-0.135
6/23/2017 11:20:49 AM	1664.001	4.347	11.789	-0.133
6/23/2017 11:20:50 AM	1665.001	4.345	11.774	-0.130
6/23/2017 11:20:51 AM	1666.003	4.348	11.761	-0.136
6/23/2017 11:20:52 AM	1667.002	4.347	11.778	-0.135
6/23/2017 11:20:53 AM	1668.002	4.347	11.778	-0.133
6/23/2017 11:20:54 AM	1669.129	4.348	11.803	-0.135
6/23/2017 11:20:55 AM	1670.002	4.350	11.783	-0.141
6/23/2017 11:20:56 AM	1671.002	4.353	11.767	-0.148
6/23/2017 11:20:57 AM	1672.123	4.346	11.789	-0.130
6/23/2017 11:20:58 AM	1673.002	4.348	11.750	-0.137
6/23/2017 11:20:59 AM	1674.002	4.345	11.817	-0.130
6/23/2017 11:21:00 AM	1675.002	4.346	11.773	-0.130
6/23/2017 11:21:01 AM	1676.080	4.345	11.751	-0.129
6/23/2017 11:21:02 AM	1677.002	4.344	11.779	-0.126
6/23/2017 11:21:03 AM	1678.002	4.347	11.794	-0.133
6/23/2017 11:21:04 AM	1679.002	4.347	11.783	-0.133
6/23/2017 11:21:05 AM	1680.046	4.342	11.805	-0.121
6/23/2017 11:21:06 AM	1681.002	4.344	11.804	-0.127
6/23/2017 11:21:07 AM	1682.002	4.347	11.789	-0.133
6/23/2017 11:21:08 AM	1683.002	4.349	11.785	-0.138
6/23/2017 11:21:09 AM	1684.119	4.350	11.789	-0.141

6/23/2017 11:21:10 AM	1685.002	4.347	11.782	-0.133
6/23/2017 11:21:11 AM	1686.002	4.345	11.792	-0.130
6/23/2017 11:21:12 AM	1687.002	4.344	11.778	-0.128
6/23/2017 11:21:13 AM	1688.075	4.347	11.782	-0.134
6/23/2017 11:21:14 AM	1689.002	4.345	11.814	-0.129
6/23/2017 11:21:15 AM	1690.002	4.348	11.762	-0.135
6/23/2017 11:21:16 AM	1691.002	4.346	11.773	-0.132
6/23/2017 11:21:17 AM	1692.045	4.343	11.803	-0.124
6/23/2017 11:21:18 AM	1693.002	4.346	11.820	-0.131
6/23/2017 11:21:19 AM	1694.002	4.343	11.786	-0.125
6/23/2017 11:21:20 AM	1695.002	4.343	11.795	-0.123
6/23/2017 11:21:21 AM	1696.109	4.344	11.801	-0.128
6/23/2017 11:21:22 AM	1697.002	4.347	11.798	-0.135
6/23/2017 11:21:23 AM	1698.002	4.346	11.761	-0.132
6/23/2017 11:21:24 AM	1699.002	4.344	11.797	-0.127
6/23/2017 11:21:25 AM	1700.002	4.346	11.792	-0.131
6/23/2017 11:21:26 AM	1701.002	4.346	11.797	-0.132
6/23/2017 11:21:27 AM	1702.002	4.344	11.782	-0.128
6/23/2017 11:21:28 AM	1703.002	4.347	11.765	-0.134
6/23/2017 11:21:29 AM	1704.002	4.347	11.767	-0.134
6/23/2017 11:21:30 AM	1705.002	4.344	11.783	-0.127
6/23/2017 11:21:31 AM	1706.001	4.346	11.781	-0.131
6/23/2017 11:21:32 AM	1707.001	4.349	11.755	-0.138
6/23/2017 11:21:33 AM	1708.001	4.346	11.758	-0.132
6/23/2017 11:21:34 AM	1709.001	4.345	11.740	-0.130
6/23/2017 11:21:35 AM	1710.001	4.346	11.748	-0.133
6/23/2017 11:21:36 AM	1711.001	4.346	11.767	-0.131
6/23/2017 11:21:37 AM	1712.001	4.345	11.786	-0.130
6/23/2017 11:21:38 AM	1713.001	4.348	11.797	-0.136
6/23/2017 11:21:39 AM	1714.001	4.345	11.768	-0.129
6/23/2017 11:21:40 AM	1715.001	4.345	11.748	-0.129
6/23/2017 11:21:41 AM	1716.001	4.349	11.771	-0.138
6/23/2017 11:21:42 AM	1717.001	4.347	11.775	-0.133
6/23/2017 11:21:43 AM	1718.001	4.347	11.764	-0.134
6/23/2017 11:21:44 AM	1719.001	4.348	11.786	-0.136
6/23/2017 11:21:45 AM	1720.001	4.348	11.759	-0.135
6/23/2017 11:21:46 AM	1721.001	4.346	11.800	-0.132
6/23/2017 11:21:47 AM	1722.001	4.344	11.739	-0.127
6/23/2017 11:21:48 AM	1723.001	4.349	11.759	-0.139
6/23/2017 11:21:49 AM	1724.001	4.346	11.745	-0.131
6/23/2017 11:21:50 AM	1725.001	4.347	11.752	-0.133
6/23/2017 11:21:51 AM	1726.001	4.347	11.782	-0.133
6/23/2017 11:21:52 AM	1727.001	4.345	11.750	-0.129
6/23/2017 11:21:53 AM	1728.001	4.349	11.764	-0.138
6/23/2017 11:21:54 AM	1729.001	4.345	11.762	-0.128
6/23/2017 11:21:55 AM	1730.001	4.345	11.753	-0.128
6/23/2017 11:21:56 AM	1731.001	4.349	11.769	-0.139
6/23/2017 11:21:57 AM	1732.001	4.344	11.765	-0.127
6/23/2017 11:21:58 AM	1733.001	4.346	11.770	-0.131
6/23/2017 11:21:59 AM	1734.001	4.345	11.767	-0.130
6/23/2017 11:22:00 AM	1735.001	4.345	11.753	-0.129
6/23/2017 11:22:01 AM	1736.001	4.346	11.786	-0.132
6/23/2017 11:22:02 AM	1737.001	4.346	11.751	-0.131
6/23/2017 11:22:03 AM	1738.001	4.349	11.752	-0.137
6/23/2017 11:22:04 AM	1739.001	4.345	11.712	-0.130
6/23/2017 11:22:05 AM	1740.001	4.344	11.797	-0.127
6/23/2017 11:22:06 AM	1741.001	4.349	11.784	-0.138
6/23/2017 11:22:07 AM	1742.001	4.348	11.753	-0.135
6/23/2017 11:22:08 AM	1743.001	4.344	11.753	-0.128
6/23/2017 11:22:09 AM	1744.001	4.346	11.738	-0.131
6/23/2017 11:22:10 AM	1745.001	4.347	11.763	-0.133
6/23/2017 11:22:11 AM	1746.001	4.347	11.781	-0.133
6/23/2017 11:22:12 AM	1747.001	4.343	11.753	-0.125

6/23/2017 11:22:13 AM	1748.001	4.344	11.751	-0.127
6/23/2017 11:22:14 AM	1749.001	4.347	11.772	-0.133
6/23/2017 11:22:15 AM	1750.001	4.349	11.762	-0.138
6/23/2017 11:22:16 AM	1751.001	4.345	11.734	-0.129
6/23/2017 11:22:17 AM	1752.001	4.346	11.765	-0.130
6/23/2017 11:22:18 AM	1753.001	4.348	11.743	-0.137
6/23/2017 11:22:19 AM	1754.001	4.347	11.769	-0.133
6/23/2017 11:22:20 AM	1755.001	4.343	11.759	-0.125
6/23/2017 11:22:21 AM	1756.001	4.349	11.765	-0.137
6/23/2017 11:22:22 AM	1757.001	4.346	11.759	-0.132
6/23/2017 11:22:23 AM	1758.001	4.348	11.766	-0.135
6/23/2017 11:22:24 AM	1759.001	4.345	11.753	-0.128
6/23/2017 11:22:25 AM	1760.001	4.349	11.741	-0.138
6/23/2017 11:22:26 AM	1761.001	4.345	11.736	-0.129
6/23/2017 11:22:27 AM	1762.001	4.346	11.731	-0.131
6/23/2017 11:22:28 AM	1763.001	4.345	11.733	-0.130
6/23/2017 11:22:29 AM	1764.001	4.347	11.764	-0.133
6/23/2017 11:22:30 AM	1765.001	4.345	11.753	-0.130
6/23/2017 11:22:31 AM	1766.001	4.344	11.759	-0.127
6/23/2017 11:22:32 AM	1767.001	4.347	11.732	-0.133
6/23/2017 11:22:33 AM	1768.001	4.346	11.754	-0.130
6/23/2017 11:22:34 AM	1769.001	4.348	11.758	-0.136
6/23/2017 11:22:35 AM	1770.001	4.346	11.767	-0.132
6/23/2017 11:22:36 AM	1771.001	4.346	11.749	-0.131
6/23/2017 11:22:37 AM	1772.001	4.347	11.764	-0.134
6/23/2017 11:22:38 AM	1773.001	4.349	11.748	-0.138
6/23/2017 11:22:39 AM	1774.001	4.346	11.715	-0.131
6/23/2017 11:22:40 AM	1775.001	4.345	11.779	-0.129
6/23/2017 11:22:41 AM	1776.001	4.346	11.728	-0.131
6/23/2017 11:22:42 AM	1777.001	4.345	11.751	-0.129
6/23/2017 11:22:43 AM	1778.001	4.346	11.750	-0.132
6/23/2017 11:22:44 AM	1779.001	4.346	11.727	-0.131
6/23/2017 11:22:45 AM	1780.001	4.348	11.727	-0.135
6/23/2017 11:22:46 AM	1781.001	4.346	11.742	-0.131
6/23/2017 11:22:47 AM	1782.001	4.345	11.735	-0.128
6/23/2017 11:22:48 AM	1783.001	4.348	11.758	-0.137
6/23/2017 11:22:49 AM	1784.001	4.346	11.720	-0.131
6/23/2017 11:22:50 AM	1785.001	4.347	11.741	-0.134
6/23/2017 11:22:51 AM	1786.001	4.344	11.745	-0.127
6/23/2017 11:22:52 AM	1787.001	4.349	11.755	-0.139
6/23/2017 11:22:53 AM	1788.001	4.349	11.710	-0.137
6/23/2017 11:22:54 AM	1789.001	4.347	11.717	-0.134
6/23/2017 11:22:55 AM	1790.001	4.346	11.737	-0.131
6/23/2017 11:22:56 AM	1791.001	4.348	11.763	-0.135
6/23/2017 11:22:57 AM	1792.032	4.347	11.761	-0.134
6/23/2017 11:22:58 AM	1793.001	4.345	11.767	-0.130
6/23/2017 11:22:59 AM	1794.001	4.346	11.749	-0.131
6/23/2017 11:23:00 AM	1795.001	4.346	11.747	-0.131
6/23/2017 11:23:01 AM	1796.001	4.347	11.750	-0.134
6/23/2017 11:23:02 AM	1797.001	4.349	11.728	-0.139
6/23/2017 11:23:03 AM	1798.001	4.347	11.725	-0.134
6/23/2017 11:23:04 AM	1799.002	4.348	11.706	-0.136
6/23/2017 11:23:05 AM	1800.002	4.348	11.754	-0.135
6/23/2017 11:23:06 AM	1801.002	4.347	11.742	-0.135
6/23/2017 11:23:07 AM	1802.002	4.348	11.723	-0.136
6/23/2017 11:23:08 AM	1803.002	4.349	11.726	-0.137
6/23/2017 11:23:09 AM	1804.002	4.345	11.732	-0.130
6/23/2017 11:23:10 AM	1805.002	4.349	11.714	-0.139
6/23/2017 11:23:11 AM	1806.002	4.348	11.720	-0.135
6/23/2017 11:23:12 AM	1807.001	4.347	11.739	-0.133
6/23/2017 11:23:13 AM	1808.001	4.346	11.716	-0.132
6/23/2017 11:23:14 AM	1809.001	4.347	11.740	-0.134
6/23/2017 11:23:15 AM	1810.001	4.348	11.733	-0.136

6/23/2017 11:23:16 AM	1811.001	4.345	11.729	-0.129
6/23/2017 11:23:17 AM	1812.032	4.345	11.754	-0.128
6/23/2017 11:23:18 AM	1813.001	4.347	11.746	-0.134
6/23/2017 11:23:19 AM	1814.001	4.345	11.724	-0.129
6/23/2017 11:23:20 AM	1815.001	4.347	11.755	-0.135
6/23/2017 11:23:21 AM	1816.001	4.346	11.736	-0.133
6/23/2017 11:23:22 AM	1817.001	4.344	11.724	-0.127
6/23/2017 11:23:23 AM	1818.001	4.347	11.701	-0.134
6/23/2017 11:23:24 AM	1819.001	4.345	11.731	-0.129
6/23/2017 11:23:25 AM	1820.001	4.347	11.711	-0.134
6/23/2017 11:23:26 AM	1821.001	4.348	11.743	-0.136
6/23/2017 11:23:27 AM	1822.023	4.346	11.736	-0.132
6/23/2017 11:23:28 AM	1823.001	4.347	11.761	-0.133
6/23/2017 11:23:29 AM	1824.001	4.346	11.728	-0.132
6/23/2017 11:23:30 AM	1825.001	4.349	11.741	-0.139
6/23/2017 11:23:31 AM	1826.001	4.349	11.726	-0.139
6/23/2017 11:23:32 AM	1827.001	4.348	11.723	-0.136
6/23/2017 11:23:33 AM	1828.001	4.345	11.747	-0.129
6/23/2017 11:23:34 AM	1829.001	4.346	11.705	-0.131
6/23/2017 11:23:35 AM	1830.001	4.349	11.736	-0.139
6/23/2017 11:23:36 AM	1831.001	4.347	11.727	-0.135
6/23/2017 11:23:37 AM	1832.023	4.347	11.775	-0.133
6/23/2017 11:23:38 AM	1833.001	4.346	11.749	-0.131
6/23/2017 11:23:39 AM	1834.001	4.347	11.728	-0.134
6/23/2017 11:23:40 AM	1835.001	4.349	11.765	-0.138
6/23/2017 11:23:41 AM	1836.001	4.346	11.723	-0.131
6/23/2017 11:23:42 AM	1837.001	4.347	11.734	-0.134
6/23/2017 11:23:43 AM	1838.001	4.347	11.718	-0.133
6/23/2017 11:23:44 AM	1839.001	4.346	11.720	-0.132
6/23/2017 11:23:45 AM	1840.001	4.345	11.716	-0.130
6/23/2017 11:23:46 AM	1841.001	4.346	11.729	-0.132
6/23/2017 11:23:47 AM	1842.024	4.348	11.745	-0.135
6/23/2017 11:23:48 AM	1843.001	4.348	11.726	-0.136
6/23/2017 11:23:49 AM	1844.001	4.347	11.687	-0.133
6/23/2017 11:23:50 AM	1845.001	4.346	11.715	-0.132
6/23/2017 11:23:51 AM	1846.001	4.346	11.703	-0.131
6/23/2017 11:23:52 AM	1847.001	4.345	11.728	-0.130
6/23/2017 11:23:53 AM	1848.001	4.346	11.733	-0.132
6/23/2017 11:23:54 AM	1849.001	4.347	11.717	-0.134
6/23/2017 11:23:55 AM	1850.001	4.348	11.736	-0.135
6/23/2017 11:23:56 AM	1851.004	4.348	11.740	-0.136
6/23/2017 11:23:57 AM	1852.001	4.346	11.722	-0.132
6/23/2017 11:23:58 AM	1853.001	4.344	11.703	-0.127
6/23/2017 11:23:59 AM	1854.001	4.348	11.733	-0.137
6/23/2017 11:24:00 AM	1855.001	4.346	11.732	-0.132
6/23/2017 11:24:01 AM	1856.001	4.348	11.724	-0.136
6/23/2017 11:24:02 AM	1857.001	4.347	11.728	-0.134
6/23/2017 11:24:03 AM	1858.001	4.346	11.753	-0.130
6/23/2017 11:24:04 AM	1859.001	4.346	11.730	-0.132
6/23/2017 11:24:05 AM	1860.001	4.346	11.706	-0.130
6/23/2017 11:24:06 AM	1861.001	4.347	11.728	-0.133
6/23/2017 11:24:07 AM	1862.023	4.347	11.754	-0.133
6/23/2017 11:24:08 AM	1863.001	4.345	11.706	-0.129
6/23/2017 11:24:09 AM	1864.001	4.344	11.712	-0.126
6/23/2017 11:24:10 AM	1865.001	4.347	11.719	-0.134
6/23/2017 11:24:11 AM	1866.001	4.344	11.701	-0.128
6/23/2017 11:24:12 AM	1867.001	4.345	11.745	-0.129
6/23/2017 11:24:13 AM	1868.001	4.345	11.704	-0.129
6/23/2017 11:24:14 AM	1869.001	4.345	11.711	-0.129
6/23/2017 11:24:15 AM	1870.001	4.347	11.698	-0.134
6/23/2017 11:24:16 AM	1871.001	4.345	11.701	-0.129
6/23/2017 11:24:17 AM	1872.022	4.348	11.728	-0.137
6/23/2017 11:24:18 AM	1873.001	4.346	11.689	-0.132

6/23/2017 11:24:19 AM	1874.001	4.345	11.710	-0.128
6/23/2017 11:24:20 AM	1875.001	4.345	11.718	-0.129
6/23/2017 11:24:21 AM	1876.001	4.344	11.728	-0.126
6/23/2017 11:24:22 AM	1877.001	4.346	11.688	-0.131
6/23/2017 11:24:23 AM	1878.001	4.346	11.715	-0.131
6/23/2017 11:24:24 AM	1879.001	4.349	11.695	-0.138
6/23/2017 11:24:25 AM	1880.001	4.348	11.721	-0.135
6/23/2017 11:24:26 AM	1881.001	4.349	11.718	-0.137
6/23/2017 11:24:27 AM	1882.023	4.349	11.720	-0.138
6/23/2017 11:24:28 AM	1883.001	4.348	11.719	-0.136
6/23/2017 11:24:29 AM	1884.001	4.346	11.712	-0.132
6/23/2017 11:24:30 AM	1885.001	4.345	11.703	-0.128
6/23/2017 11:24:31 AM	1886.001	4.345	11.694	-0.130
6/23/2017 11:24:32 AM	1887.001	4.346	11.706	-0.132
6/23/2017 11:24:33 AM	1888.001	4.347	11.689	-0.135
6/23/2017 11:24:34 AM	1889.001	4.347	11.701	-0.133
6/23/2017 11:24:35 AM	1890.001	4.347	11.701	-0.134
6/23/2017 11:24:36 AM	1891.001	4.345	11.723	-0.129
6/23/2017 11:24:37 AM	1892.022	4.346	11.714	-0.131
6/23/2017 11:24:38 AM	1893.001	4.348	11.698	-0.136
6/23/2017 11:24:39 AM	1894.001	4.345	11.696	-0.129
6/23/2017 11:24:40 AM	1895.001	4.345	11.731	-0.128
6/23/2017 11:24:41 AM	1896.001	4.346	11.742	-0.131
6/23/2017 11:24:42 AM	1897.001	4.350	11.722	-0.141
6/23/2017 11:24:43 AM	1898.001	4.348	11.731	-0.136
6/23/2017 11:24:44 AM	1899.001	4.349	11.674	-0.138
6/23/2017 11:24:45 AM	1900.001	4.346	11.708	-0.131
6/23/2017 11:24:46 AM	1901.001	4.348	11.721	-0.135
6/23/2017 11:24:47 AM	1902.001	4.347	11.703	-0.135
6/23/2017 11:24:48 AM	1903.001	4.348	11.699	-0.135
6/23/2017 11:24:49 AM	1904.001	4.351	11.703	-0.143
6/23/2017 11:24:50 AM	1905.001	4.346	11.686	-0.131
6/23/2017 11:24:51 AM	1906.001	4.347	11.689	-0.134
6/23/2017 11:24:52 AM	1907.001	4.344	11.703	-0.127
6/23/2017 11:24:53 AM	1908.001	4.348	11.673	-0.136
6/23/2017 11:24:54 AM	1909.001	4.348	11.709	-0.137
6/23/2017 11:24:55 AM	1910.001	4.345	11.705	-0.129
6/23/2017 11:24:56 AM	1911.001	4.345	11.725	-0.130
6/23/2017 11:24:57 AM	1912.022	4.345	11.714	-0.130
6/23/2017 11:24:58 AM	1913.001	4.344	11.731	-0.128
6/23/2017 11:24:59 AM	1914.001	4.346	11.692	-0.131
6/23/2017 11:25:00 AM	1915.001	4.346	11.649	-0.131
6/23/2017 11:25:01 AM	1916.001	4.347	11.707	-0.135
6/23/2017 11:25:02 AM	1917.001	4.350	11.713	-0.140
6/23/2017 11:25:03 AM	1918.001	4.347	11.718	-0.135
6/23/2017 11:25:04 AM	1919.001	4.346	11.709	-0.132
6/23/2017 11:25:05 AM	1920.001	4.347	11.681	-0.134
6/23/2017 11:25:06 AM	1921.001	4.348	11.692	-0.136
6/23/2017 11:25:07 AM	1922.021	4.348	11.733	-0.137
6/23/2017 11:25:08 AM	1923.001	4.345	11.721	-0.130
6/23/2017 11:25:09 AM	1924.001	4.350	11.709	-0.141
6/23/2017 11:25:10 AM	1925.001	4.350	11.702	-0.142
6/23/2017 11:25:11 AM	1926.001	4.345	11.717	-0.130
6/23/2017 11:25:12 AM	1927.001	4.348	11.711	-0.135
6/23/2017 11:25:13 AM	1928.001	4.348	11.709	-0.136
6/23/2017 11:25:14 AM	1929.001	4.348	11.710	-0.135
6/23/2017 11:25:15 AM	1930.001	4.346	11.709	-0.132
6/23/2017 11:25:16 AM	1931.001	4.348	11.711	-0.136
6/23/2017 11:25:17 AM	1932.021	4.345	11.712	-0.130
6/23/2017 11:25:18 AM	1933.001	4.348	11.705	-0.135
6/23/2017 11:25:19 AM	1934.001	4.349	11.695	-0.139
6/23/2017 11:25:20 AM	1935.001	4.346	11.679	-0.132
6/23/2017 11:25:21 AM	1936.001	4.344	11.694	-0.126

6/23/2017 11:25:22 AM	1937.001	4.348	11.713	-0.137
6/23/2017 11:25:23 AM	1938.001	4.346	11.714	-0.132
6/23/2017 11:25:24 AM	1939.001	4.349	11.704	-0.138
6/23/2017 11:25:25 AM	1940.001	4.348	11.685	-0.135
6/23/2017 11:25:26 AM	1941.001	4.347	11.684	-0.134
6/23/2017 11:25:27 AM	1942.021	4.349	11.720	-0.139
6/23/2017 11:25:28 AM	1943.001	4.349	11.678	-0.137
6/23/2017 11:25:29 AM	1944.001	4.348	11.700	-0.135
6/23/2017 11:25:30 AM	1945.001	4.348	11.708	-0.135
6/23/2017 11:25:31 AM	1946.001	4.346	11.672	-0.131
6/23/2017 11:25:32 AM	1947.001	4.349	11.690	-0.138
6/23/2017 11:25:33 AM	1948.001	4.347	11.675	-0.134
6/23/2017 11:25:34 AM	1949.001	4.347	11.678	-0.134
6/23/2017 11:25:35 AM	1950.001	4.347	11.665	-0.134
6/23/2017 11:25:36 AM	1951.001	4.349	11.695	-0.139
6/23/2017 11:25:37 AM	1952.001	4.348	11.710	-0.135
6/23/2017 11:25:38 AM	1953.001	4.345	11.701	-0.130
6/23/2017 11:25:39 AM	1954.001	4.347	11.709	-0.134
6/23/2017 11:25:40 AM	1955.001	4.349	11.665	-0.139
6/23/2017 11:25:41 AM	1956.001	4.347	11.698	-0.133
6/23/2017 11:25:42 AM	1957.001	4.348	11.659	-0.135
6/23/2017 11:25:43 AM	1958.001	4.346	11.674	-0.133
6/23/2017 11:25:44 AM	1959.001	4.349	11.678	-0.137
6/23/2017 11:25:45 AM	1960.001	4.347	11.673	-0.133
6/23/2017 11:25:46 AM	1961.001	4.345	11.706	-0.130
6/23/2017 11:25:47 AM	1962.019	4.348	11.678	-0.136
6/23/2017 11:25:48 AM	1963.001	4.348	11.686	-0.136
6/23/2017 11:25:49 AM	1964.001	4.348	11.704	-0.136
6/23/2017 11:25:50 AM	1965.001	4.348	11.688	-0.135
6/23/2017 11:25:51 AM	1966.001	4.345	11.670	-0.130
6/23/2017 11:25:52 AM	1967.001	4.347	11.680	-0.134
6/23/2017 11:25:53 AM	1968.001	4.347	11.683	-0.134
6/23/2017 11:25:54 AM	1969.001	4.346	11.683	-0.132
6/23/2017 11:25:55 AM	1970.001	4.347	11.674	-0.134
6/23/2017 11:25:56 AM	1971.001	4.346	11.663	-0.132
6/23/2017 11:25:57 AM	1972.016	4.347	11.684	-0.134
6/23/2017 11:25:58 AM	1973.001	4.344	11.678	-0.127
6/23/2017 11:25:59 AM	1974.001	4.346	11.670	-0.132
6/23/2017 11:26:00 AM	1975.001	4.347	11.670	-0.135
6/23/2017 11:26:01 AM	1976.001	4.347	11.680	-0.134
6/23/2017 11:26:02 AM	1977.001	4.346	11.688	-0.131
6/23/2017 11:26:03 AM	1978.001	4.347	11.692	-0.134
6/23/2017 11:26:04 AM	1979.001	4.345	11.679	-0.130
6/23/2017 11:26:05 AM	1980.001	4.345	11.706	-0.130
6/23/2017 11:26:06 AM	1981.001	4.348	11.683	-0.137
6/23/2017 11:26:07 AM	1982.017	4.348	11.686	-0.136
6/23/2017 11:26:08 AM	1983.001	4.349	11.693	-0.138
6/23/2017 11:26:09 AM	1984.001	4.349	11.678	-0.137
6/23/2017 11:26:10 AM	1985.001	4.346	11.671	-0.132
6/23/2017 11:26:11 AM	1986.001	4.344	11.700	-0.128
6/23/2017 11:26:12 AM	1987.001	4.345	11.680	-0.129
6/23/2017 11:26:13 AM	1988.001	4.347	11.681	-0.135
6/23/2017 11:26:14 AM	1989.001	4.349	11.662	-0.137
6/23/2017 11:26:15 AM	1990.001	4.346	11.678	-0.132
6/23/2017 11:26:16 AM	1991.001	4.345	11.646	-0.129
6/23/2017 11:26:17 AM	1992.018	4.348	11.672	-0.136
6/23/2017 11:26:18 AM	1993.001	4.345	11.684	-0.130
6/23/2017 11:26:19 AM	1994.001	4.345	11.681	-0.129
6/23/2017 11:26:20 AM	1995.001	4.348	11.640	-0.135
6/23/2017 11:26:21 AM	1996.001	4.347	11.689	-0.134
6/23/2017 11:26:22 AM	1997.001	4.350	11.672	-0.140
6/23/2017 11:26:23 AM	1998.001	4.345	11.673	-0.129
6/23/2017 11:26:24 AM	1999.001	4.345	11.687	-0.130

6/23/2017 11:26:25 AM	2000.001	4.344	11.687	-0.126
6/23/2017 11:26:26 AM	2001.001	4.347	11.702	-0.133
6/23/2017 11:26:27 AM	2002.001	4.347	11.686	-0.134
6/23/2017 11:26:28 AM	2003.001	4.350	11.674	-0.141
6/23/2017 11:26:29 AM	2004.001	4.346	11.656	-0.131
6/23/2017 11:26:30 AM	2005.001	4.348	11.663	-0.135
6/23/2017 11:26:31 AM	2006.001	4.347	11.676	-0.135
6/23/2017 11:26:32 AM	2007.001	4.347	11.667	-0.134
6/23/2017 11:26:33 AM	2008.001	4.349	11.691	-0.138
6/23/2017 11:26:34 AM	2009.001	4.347	11.689	-0.133
6/23/2017 11:26:35 AM	2010.001	4.346	11.670	-0.131
6/23/2017 11:26:36 AM	2011.001	4.347	11.666	-0.133
6/23/2017 11:26:37 AM	2012.017	4.347	11.660	-0.133
6/23/2017 11:26:38 AM	2013.001	4.348	11.650	-0.135
6/23/2017 11:26:39 AM	2014.001	4.347	11.660	-0.134
6/23/2017 11:26:40 AM	2015.001	4.346	11.680	-0.131
6/23/2017 11:26:41 AM	2016.001	4.347	11.667	-0.134
6/23/2017 11:26:42 AM	2017.001	4.348	11.668	-0.136
6/23/2017 11:26:43 AM	2018.001	4.346	11.688	-0.131
6/23/2017 11:26:44 AM	2019.001	4.347	11.653	-0.134
6/23/2017 11:26:45 AM	2020.001	4.346	11.667	-0.131
6/23/2017 11:26:46 AM	2021.001	4.348	11.700	-0.137
6/23/2017 11:26:47 AM	2022.014	4.347	11.698	-0.135
6/23/2017 11:26:48 AM	2023.001	4.346	11.667	-0.132
6/23/2017 11:26:49 AM	2024.001	4.347	11.659	-0.134
6/23/2017 11:26:50 AM	2025.001	4.344	11.662	-0.128
6/23/2017 11:26:51 AM	2026.001	4.347	11.665	-0.133
6/23/2017 11:26:52 AM	2027.001	4.348	11.652	-0.137
6/23/2017 11:26:53 AM	2028.001	4.346	11.651	-0.133
6/23/2017 11:26:54 AM	2029.001	4.348	11.690	-0.135
6/23/2017 11:26:55 AM	2030.001	4.348	11.677	-0.137
6/23/2017 11:26:56 AM	2031.001	4.347	11.652	-0.133
6/23/2017 11:26:57 AM	2032.014	4.349	11.695	-0.139
6/23/2017 11:26:58 AM	2033.001	4.346	11.677	-0.132
6/23/2017 11:26:59 AM	2034.001	4.346	11.656	-0.132
6/23/2017 11:27:00 AM	2035.001	4.347	11.664	-0.135
6/23/2017 11:27:01 AM	2036.001	4.348	11.678	-0.135
6/23/2017 11:27:02 AM	2037.001	4.349	11.648	-0.137
6/23/2017 11:27:03 AM	2038.001	4.348	11.660	-0.136
6/23/2017 11:27:04 AM	2039.001	4.347	11.639	-0.133
6/23/2017 11:27:05 AM	2040.001	4.346	11.658	-0.132
6/23/2017 11:27:06 AM	2041.002	4.346	11.637	-0.131
6/23/2017 11:27:07 AM	2042.014	4.348	11.676	-0.136
6/23/2017 11:27:08 AM	2043.002	4.347	11.670	-0.134
6/23/2017 11:27:09 AM	2044.002	4.345	11.677	-0.130
6/23/2017 11:27:10 AM	2045.002	4.347	11.653	-0.133
6/23/2017 11:27:11 AM	2046.002	4.346	11.653	-0.132
6/23/2017 11:27:12 AM	2047.002	4.350	11.646	-0.140
6/23/2017 11:27:13 AM	2048.001	4.346	11.649	-0.133
6/23/2017 11:27:14 AM	2049.001	4.348	11.662	-0.136
6/23/2017 11:27:15 AM	2050.001	4.348	11.662	-0.137
6/23/2017 11:27:16 AM	2051.001	4.348	11.666	-0.136
6/23/2017 11:27:17 AM	2052.001	4.347	11.689	-0.133
6/23/2017 11:27:18 AM	2053.001	4.349	11.668	-0.139
6/23/2017 11:27:19 AM	2054.001	4.349	11.670	-0.138
6/23/2017 11:27:20 AM	2055.001	4.351	11.651	-0.142
6/23/2017 11:27:21 AM	2056.001	4.348	11.656	-0.136
6/23/2017 11:27:22 AM	2057.001	4.348	11.681	-0.136
6/23/2017 11:27:23 AM	2058.001	4.346	11.659	-0.132
6/23/2017 11:27:24 AM	2059.001	4.345	11.626	-0.128
6/23/2017 11:27:25 AM	2060.001	4.349	11.653	-0.138
6/23/2017 11:27:26 AM	2061.001	4.347	11.665	-0.135
6/23/2017 11:27:27 AM	2062.015	4.347	11.682	-0.135

6/23/2017 11:27:28 AM	2063.001	4.345	11.650	-0.130
6/23/2017 11:27:29 AM	2064.001	4.347	11.643	-0.135
6/23/2017 11:27:30 AM	2065.001	4.347	11.646	-0.133
6/23/2017 11:27:31 AM	2066.001	4.345	11.651	-0.129
6/23/2017 11:27:32 AM	2067.001	4.345	11.640	-0.129
6/23/2017 11:27:33 AM	2068.001	4.347	11.656	-0.134
6/23/2017 11:27:34 AM	2069.001	4.351	11.651	-0.142
6/23/2017 11:27:35 AM	2070.001	4.347	11.612	-0.134
6/23/2017 11:27:36 AM	2071.001	4.347	11.665	-0.134
6/23/2017 11:27:37 AM	2072.012	4.347	11.676	-0.134
6/23/2017 11:27:38 AM	2073.001	4.346	11.640	-0.131
6/23/2017 11:27:39 AM	2074.001	4.347	11.639	-0.134
6/23/2017 11:27:40 AM	2075.001	4.346	11.648	-0.131
6/23/2017 11:27:41 AM	2076.001	4.346	11.645	-0.132
6/23/2017 11:27:42 AM	2077.001	4.347	11.636	-0.133
6/23/2017 11:27:43 AM	2078.001	4.350	11.650	-0.140
6/23/2017 11:27:44 AM	2079.001	4.347	11.659	-0.133
6/23/2017 11:27:45 AM	2080.001	4.350	11.640	-0.140
6/23/2017 11:27:46 AM	2081.001	4.345	11.654	-0.130
6/23/2017 11:27:47 AM	2082.012	4.348	11.665	-0.136
6/23/2017 11:27:48 AM	2083.001	4.346	11.659	-0.132
6/23/2017 11:27:49 AM	2084.001	4.348	11.626	-0.137
6/23/2017 11:27:50 AM	2085.001	4.347	11.662	-0.134
6/23/2017 11:27:51 AM	2086.001	4.347	11.660	-0.133
6/23/2017 11:27:52 AM	2087.001	4.350	11.672	-0.140
6/23/2017 11:27:53 AM	2088.001	4.346	11.643	-0.131
6/23/2017 11:27:54 AM	2089.001	4.349	11.629	-0.138
6/23/2017 11:27:55 AM	2090.001	4.346	11.604	-0.131
6/23/2017 11:27:56 AM	2091.001	4.349	11.662	-0.138
6/23/2017 11:27:57 AM	2092.010	4.348	11.645	-0.135
6/23/2017 11:27:58 AM	2093.001	4.349	11.656	-0.138
6/23/2017 11:27:59 AM	2094.001	4.349	11.653	-0.139
6/23/2017 11:28:00 AM	2095.001	4.349	11.613	-0.138
6/23/2017 11:28:01 AM	2096.001	4.348	11.641	-0.137
6/23/2017 11:28:02 AM	2097.001	4.349	11.620	-0.138
6/23/2017 11:28:03 AM	2098.001	4.348	11.635	-0.136
6/23/2017 11:28:04 AM	2099.001	4.348	11.631	-0.136
6/23/2017 11:28:05 AM	2100.001	4.346	11.635	-0.133
6/23/2017 11:28:06 AM	2101.001	4.348	11.649	-0.136
6/23/2017 11:28:07 AM	2102.001	4.347	11.647	-0.133
6/23/2017 11:28:08 AM	2103.001	4.351	11.617	-0.143
6/23/2017 11:28:09 AM	2104.001	4.347	11.641	-0.135
6/23/2017 11:28:10 AM	2105.001	4.349	11.660	-0.139
6/23/2017 11:28:11 AM	2106.001	4.349	11.657	-0.139
6/23/2017 11:28:12 AM	2107.001	4.349	11.645	-0.138
6/23/2017 11:28:13 AM	2108.001	4.347	11.639	-0.133
6/23/2017 11:28:14 AM	2109.001	4.348	11.651	-0.135
6/23/2017 11:28:15 AM	2110.001	4.348	11.627	-0.137
6/23/2017 11:28:16 AM	2111.001	4.346	11.650	-0.132
6/23/2017 11:28:17 AM	2112.012	4.345	11.639	-0.129
6/23/2017 11:28:18 AM	2113.001	4.350	11.614	-0.141
6/23/2017 11:28:19 AM	2114.001	4.350	11.634	-0.142
6/23/2017 11:28:20 AM	2115.001	4.349	11.626	-0.139
6/23/2017 11:28:21 AM	2116.001	4.347	11.637	-0.135
6/23/2017 11:28:22 AM	2117.001	4.349	11.656	-0.139
6/23/2017 11:28:23 AM	2118.001	4.350	11.625	-0.141
6/23/2017 11:28:24 AM	2119.001	4.347	11.652	-0.135
6/23/2017 11:28:25 AM	2120.001	4.348	11.629	-0.137
6/23/2017 11:28:26 AM	2121.001	4.348	11.621	-0.136
6/23/2017 11:28:27 AM	2122.011	4.350	11.635	-0.140
6/23/2017 11:28:28 AM	2123.001	4.347	11.643	-0.133
6/23/2017 11:28:29 AM	2124.001	4.345	11.650	-0.130
6/23/2017 11:28:30 AM	2125.001	4.346	11.626	-0.131

6/23/2017 11:28:31 AM	2126.001	4.350	11.631	-0.140
6/23/2017 11:28:32 AM	2127.001	4.345	11.643	-0.128
6/23/2017 11:28:33 AM	2128.001	4.350	11.620	-0.140
6/23/2017 11:28:34 AM	2129.001	4.347	11.648	-0.133
6/23/2017 11:28:35 AM	2130.001	4.347	11.643	-0.135
6/23/2017 11:28:36 AM	2131.001	4.347	11.629	-0.134
6/23/2017 11:28:37 AM	2132.009	4.351	11.632	-0.143
6/23/2017 11:28:38 AM	2133.001	4.348	11.629	-0.136
6/23/2017 11:28:39 AM	2134.001	4.350	11.638	-0.141
6/23/2017 11:28:40 AM	2135.001	4.350	11.629	-0.142
6/23/2017 11:28:41 AM	2136.001	4.348	11.646	-0.137
6/23/2017 11:28:42 AM	2137.001	4.348	11.606	-0.136
6/23/2017 11:28:43 AM	2138.001	4.348	11.665	-0.136
6/23/2017 11:28:44 AM	2139.001	4.351	11.618	-0.143
6/23/2017 11:28:45 AM	2140.001	4.348	11.646	-0.136
6/23/2017 11:28:46 AM	2141.283	4.350	11.650	-0.140
6/23/2017 11:28:47 AM	2142.001	4.348	11.654	-0.137
6/23/2017 11:28:48 AM	2143.001	4.351	11.645	-0.142
6/23/2017 11:28:49 AM	2144.001	4.348	11.673	-0.137
6/23/2017 11:28:50 AM	2145.001	4.348	11.613	-0.136
6/23/2017 11:28:51 AM	2146.001	4.348	11.601	-0.137
6/23/2017 11:28:52 AM	2147.001	4.348	11.630	-0.136
6/23/2017 11:28:53 AM	2148.001	4.348	11.643	-0.137
6/23/2017 11:28:54 AM	2149.001	4.347	11.644	-0.134
6/23/2017 11:28:55 AM	2150.001	4.348	11.630	-0.136
6/23/2017 11:28:56 AM	2151.001	4.346	11.613	-0.132
6/23/2017 11:28:57 AM	2152.001	4.349	11.618	-0.138

Report Date: 7/10/2017 9:47:36 AM
Report User Name: dalmond
Report Computer Name: PINEWRKMA25-PC
Application: WinSitu.exe
Application Version: 5.6.25.0

Log File Properties:
File Name: CH-MW018 RH1_2017-07-10_09-47-31-461.wsl
Create Date: 7/10/2017 9:47:29 AM

Device Properties:
Device: Level TROLL 700
Site: Camp Hero
Device Name: Level Troll 700
Serial Number: 402202
Firmware Version: 3.02
Hardware Version: 4
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 14
Used Battery(%): 12

Log Configuration
Log Name: CH-MW018 RH1
Created By: Unknown
Computer Name: Pocket PC
Application: WinSituMobile.exe
Application Version: 5.6.0.10
Create Date: 3/4/2006 9:55:30 AM Eastern Standard Time
Log Setup Time Zone: Eastern Standard Time
Notes Size(bytes): 4096
Overwrite when full: Disabled
Scheduled Start Time: Manual Start
Scheduled Stop Time: No Stop Time
Type: Step Test
Steps: 2 (Linear)
Step: 1
Duration: Days: 0 hrs: 00 mins: 01 secs: 00
Interval: Days: 0 hrs: 00 mins: 00 secs: 00.250
Step: 2
Duration: Days: 0 hrs: 01 mins: 00 secs: 00
Interval: Days: 0 hrs: 00 mins: 01 secs: 00

Level Reference Settings At Log Creation
Level Measurement Mode: Level Depth To Water
Specific Gravity: 0.999
Level Reference Mode: Set new reference
Level Reference Value: 0 (ft)
Level Reference Head Pressure: 4.25694 (PSI)

Other Log Settings
Pressure Offset: 0.00335646 (PSI)
Depth of Probe: 9.82659 (ft)
Head Pressure: 4.25584 (PSI)
Temperature: 11.8621 (C)

Log Notes:

Date and Time	Note
6/22/2017 3:36:16 PM	Used Battery: 12% Used Memory: 15% User Name: Unknown
6/22/2017 3:36:23 PM	Manual Start Command
6/22/2017 3:36:52 PM	Log Download - Used Battery: 12% Used Memory: 15% User Name: Unknown
6/22/2017 3:55:21 PM	Log Download - Used Battery: 12% Used Memory: 15% User Name: Unknown
6/22/2017 3:57:38 PM	Used Battery: 12% Used Memory: 15% User Name: Unknown
6/22/2017 3:57:39 PM	Manual Stop Command

Log Data:
Record Count: 260
Sensors: 1
1 - 402202: Pressure/Temp 30 PSIG (21m/69ft)
Time Zone: Eastern Daylight Time

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 69ft SN#: 402202 Pressure (PSI)	Sensor: Pres(G) 69ft SN#: 402202 Temperature (C)	Sensor: Pres(G) 69ft SN#: 402202 Level Depth To Water (ft)
6/22/2017 3:36:23 PM	0.000	4.258	11.817	-0.002
6/22/2017 3:36:23 PM	0.250	4.257	11.825	0.000
6/22/2017 3:36:23 PM	0.500	4.254	11.816	0.007
6/22/2017 3:36:24 PM	0.750	4.257	11.836	0.000
6/22/2017 3:36:24 PM	1.000	4.256	11.867	0.001
6/22/2017 3:36:24 PM	1.250	4.256	11.836	0.003
6/22/2017 3:36:24 PM	1.500	4.255	11.847	0.005
6/22/2017 3:36:25 PM	1.750	4.257	11.843	-0.000
6/22/2017 3:36:25 PM	2.000	4.254	11.844	0.008
6/22/2017 3:36:25 PM	2.250	4.259	11.835	-0.004
6/22/2017 3:36:25 PM	2.504	4.256	11.852	0.003
6/22/2017 3:36:26 PM	2.750	4.253	11.831	0.008
6/22/2017 3:36:26 PM	3.000	4.259	11.855	-0.005
6/22/2017 3:36:26 PM	3.250	4.255	11.849	0.005
6/22/2017 3:36:26 PM	3.500	4.256	11.880	0.002
6/22/2017 3:36:27 PM	3.750	4.256	11.868	0.002
6/22/2017 3:36:27 PM	4.000	4.255	11.839	0.004
6/22/2017 3:36:27 PM	4.250	4.256	11.886	0.003
6/22/2017 3:36:27 PM	4.500	4.255	11.872	0.004
6/22/2017 3:36:28 PM	4.750	4.258	11.859	-0.002
6/22/2017 3:36:28 PM	5.000	4.253	11.886	0.009
6/22/2017 3:36:28 PM	5.250	4.253	11.841	0.008
6/22/2017 3:36:28 PM	5.500	4.254	11.869	0.006
6/22/2017 3:36:29 PM	5.750	4.255	11.848	0.004
6/22/2017 3:36:29 PM	6.000	4.256	11.874	0.002
6/22/2017 3:36:29 PM	6.250	4.256	11.880	0.003
6/22/2017 3:36:29 PM	6.500	4.256	11.844	0.001
6/22/2017 3:36:30 PM	6.750	4.256	11.878	0.001
6/22/2017 3:36:30 PM	7.000	4.256	11.864	0.003
6/22/2017 3:36:30 PM	7.250	4.257	11.865	0.001
6/22/2017 3:36:30 PM	7.500	4.254	11.864	0.006
6/22/2017 3:36:31 PM	7.750	4.255	11.886	0.003
6/22/2017 3:36:31 PM	8.000	4.254	11.863	0.006
6/22/2017 3:36:31 PM	8.250	4.253	11.885	0.009
6/22/2017 3:36:31 PM	8.500	4.252	11.854	0.011
6/22/2017 3:36:32 PM	8.750	4.254	11.866	0.007
6/22/2017 3:36:32 PM	9.000	4.256	11.865	0.003
6/22/2017 3:36:32 PM	9.250	4.255	11.874	0.004
6/22/2017 3:36:32 PM	9.500	4.256	11.850	0.002
6/22/2017 3:36:33 PM	9.750	4.258	11.852	-0.003
6/22/2017 3:36:33 PM	10.000	4.256	11.855	0.002

6/22/2017 3:36:33 PM	10.250	4.256	11.874	0.002
6/22/2017 3:36:33 PM	10.500	4.256	11.877	0.001
6/22/2017 3:36:34 PM	10.750	4.254	11.903	0.008
6/22/2017 3:36:34 PM	11.000	4.254	11.875	0.006
6/22/2017 3:36:34 PM	11.250	4.256	11.872	0.003
6/22/2017 3:36:34 PM	11.500	4.258	11.879	-0.002
6/22/2017 3:36:35 PM	11.750	4.257	11.883	0.001
6/22/2017 3:36:35 PM	12.000	4.257	11.883	-0.001
6/22/2017 3:36:35 PM	12.250	4.255	11.861	0.004
6/22/2017 3:36:35 PM	12.500	4.255	11.865	0.005
6/22/2017 3:36:36 PM	12.750	4.255	11.840	0.005
6/22/2017 3:36:36 PM	13.000	4.255	11.906	0.004
6/22/2017 3:36:36 PM	13.250	3.418	11.857	1.938
6/22/2017 3:36:36 PM	13.500	3.615	11.879	1.483
6/22/2017 3:36:37 PM	13.750	3.812	11.857	1.027
6/22/2017 3:36:37 PM	14.000	4.245	11.894	0.028
6/22/2017 3:36:37 PM	14.250	3.821	11.866	1.006
6/22/2017 3:36:37 PM	14.500	3.741	11.874	1.191
6/22/2017 3:36:38 PM	14.750	3.910	11.881	0.800
6/22/2017 3:36:38 PM	15.001	3.761	11.881	1.146
6/22/2017 3:36:38 PM	15.251	3.754	11.862	1.160
6/22/2017 3:36:38 PM	15.501	3.854	11.923	0.930
6/22/2017 3:36:39 PM	15.751	3.956	11.881	0.696
6/22/2017 3:36:39 PM	16.001	3.984	11.877	0.631
6/22/2017 3:36:39 PM	16.251	4.005	11.856	0.582
6/22/2017 3:36:39 PM	16.501	4.041	11.883	0.499
6/22/2017 3:36:40 PM	16.751	4.067	11.867	0.440
6/22/2017 3:36:40 PM	17.001	4.083	11.873	0.402
6/22/2017 3:36:40 PM	17.251	4.102	11.871	0.358
6/22/2017 3:36:40 PM	17.501	4.119	11.874	0.319
6/22/2017 3:36:41 PM	17.751	4.131	11.899	0.291
6/22/2017 3:36:41 PM	18.001	4.139	11.863	0.272
6/22/2017 3:36:41 PM	18.251	4.142	11.911	0.265
6/22/2017 3:36:41 PM	18.501	4.147	11.910	0.253
6/22/2017 3:36:42 PM	18.751	4.148	11.888	0.250
6/22/2017 3:36:42 PM	19.001	4.149	11.885	0.249
6/22/2017 3:36:42 PM	19.251	4.146	11.883	0.256
6/22/2017 3:36:42 PM	19.501	4.147	11.905	0.253
6/22/2017 3:36:43 PM	19.751	4.146	11.884	0.256
6/22/2017 3:36:43 PM	20.001	4.148	11.852	0.251
6/22/2017 3:36:43 PM	20.251	4.147	11.880	0.253
6/22/2017 3:36:43 PM	20.500	4.147	11.883	0.253
6/22/2017 3:36:44 PM	20.750	4.147	11.874	0.255
6/22/2017 3:36:44 PM	21.000	4.146	11.886	0.257
6/22/2017 3:36:44 PM	21.250	4.146	11.896	0.256
6/22/2017 3:36:44 PM	21.500	4.146	11.877	0.256
6/22/2017 3:36:45 PM	21.750	4.151	11.877	0.244
6/22/2017 3:36:45 PM	22.000	4.148	11.847	0.252
6/22/2017 3:36:45 PM	22.250	4.147	11.866	0.255
6/22/2017 3:36:45 PM	22.500	4.145	11.899	0.257
6/22/2017 3:36:46 PM	22.750	4.146	11.886	0.257
6/22/2017 3:36:46 PM	23.000	4.147	11.876	0.253
6/22/2017 3:36:46 PM	23.250	4.151	11.883	0.244
6/22/2017 3:36:46 PM	23.500	4.147	11.882	0.253
6/22/2017 3:36:47 PM	23.751	4.147	11.905	0.255
6/22/2017 3:36:47 PM	24.001	4.153	11.855	0.239
6/22/2017 3:36:47 PM	24.251	4.149	11.898	0.250
6/22/2017 3:36:47 PM	24.506	4.146	11.891	0.256
6/22/2017 3:36:48 PM	24.751	4.146	11.867	0.256
6/22/2017 3:36:48 PM	25.002	4.148	11.888	0.252
6/22/2017 3:36:48 PM	25.261	4.147	11.866	0.253
6/22/2017 3:36:48 PM	25.501	4.148	11.883	0.252
6/22/2017 3:36:49 PM	25.751	4.147	11.873	0.253

6/22/2017 3:36:49 PM	26.001	4.148	11.878	0.250
6/22/2017 3:36:49 PM	26.251	4.147	11.880	0.254
6/22/2017 3:36:49 PM	26.501	4.148	11.885	0.252
6/22/2017 3:36:50 PM	26.751	4.150	11.891	0.246
6/22/2017 3:36:50 PM	27.001	4.148	11.884	0.252
6/22/2017 3:36:50 PM	27.251	4.149	11.906	0.248
6/22/2017 3:36:50 PM	27.501	4.152	11.892	0.243
6/22/2017 3:36:51 PM	27.751	4.148	11.876	0.252
6/22/2017 3:36:51 PM	28.001	4.149	11.899	0.248
6/22/2017 3:36:51 PM	28.251	4.149	11.890	0.250
6/22/2017 3:36:51 PM	28.501	4.149	11.905	0.250
6/22/2017 3:36:52 PM	28.751	4.150	11.898	0.248
6/22/2017 3:36:52 PM	29.001	4.150	11.881	0.247
6/22/2017 3:36:52 PM	29.251	4.147	11.884	0.254
6/22/2017 3:36:52 PM	29.501	4.147	11.902	0.253
6/22/2017 3:36:53 PM	29.770	4.150	11.890	0.248
6/22/2017 3:36:53 PM	30.001	4.148	11.935	0.252
6/22/2017 3:36:53 PM	30.251	4.149	11.882	0.249
6/22/2017 3:36:53 PM	30.556	4.148	11.882	0.251
6/22/2017 3:36:54 PM	30.751	4.152	11.914	0.242
6/22/2017 3:36:54 PM	31.001	4.147	11.921	0.253
6/22/2017 3:36:54 PM	31.343	4.148	11.935	0.250
6/22/2017 3:36:54 PM	31.501	4.152	11.913	0.243
6/22/2017 3:36:55 PM	31.751	4.149	11.933	0.249
6/22/2017 3:36:55 PM	32.115	4.149	11.874	0.250
6/22/2017 3:36:55 PM	32.251	4.150	11.912	0.248
6/22/2017 3:36:55 PM	32.501	4.146	11.903	0.256
6/22/2017 3:36:56 PM	32.753	4.150	11.902	0.246
6/22/2017 3:36:56 PM	33.001	4.150	11.902	0.248
6/22/2017 3:36:56 PM	33.253	4.150	11.905	0.247
6/22/2017 3:36:56 PM	33.547	4.148	11.931	0.252
6/22/2017 3:36:57 PM	33.751	4.149	11.883	0.248
6/22/2017 3:36:57 PM	34.001	4.148	11.869	0.253
6/22/2017 3:36:57 PM	34.338	4.148	11.897	0.251
6/22/2017 3:36:57 PM	34.501	4.148	11.887	0.253
6/22/2017 3:36:58 PM	34.751	4.150	11.924	0.248
6/22/2017 3:36:58 PM	35.120	4.148	11.900	0.251
6/22/2017 3:36:58 PM	35.251	4.151	11.964	0.245
6/22/2017 3:36:58 PM	35.501	4.150	11.865	0.246
6/22/2017 3:36:59 PM	35.751	4.149	11.897	0.248
6/22/2017 3:36:59 PM	36.001	4.147	11.887	0.255
6/22/2017 3:36:59 PM	36.251	4.151	11.887	0.245
6/22/2017 3:36:59 PM	36.501	4.148	11.890	0.250
6/22/2017 3:37:00 PM	36.751	4.148	11.902	0.252
6/22/2017 3:37:00 PM	37.001	4.152	11.891	0.242
6/22/2017 3:37:00 PM	37.251	4.149	11.876	0.248
6/22/2017 3:37:00 PM	37.501	4.150	11.879	0.248
6/22/2017 3:37:01 PM	37.751	4.150	11.895	0.247
6/22/2017 3:37:01 PM	38.001	4.149	11.903	0.248
6/22/2017 3:37:01 PM	38.251	4.149	11.908	0.249
6/22/2017 3:37:01 PM	38.501	4.150	11.900	0.248
6/22/2017 3:37:02 PM	38.751	4.150	11.889	0.247
6/22/2017 3:37:02 PM	39.001	4.150	11.899	0.247
6/22/2017 3:37:02 PM	39.251	4.150	11.897	0.247
6/22/2017 3:37:02 PM	39.501	4.150	11.893	0.247
6/22/2017 3:37:03 PM	39.751	4.147	11.892	0.253
6/22/2017 3:37:03 PM	40.001	4.148	11.872	0.251
6/22/2017 3:37:03 PM	40.251	4.149	11.887	0.248
6/22/2017 3:37:03 PM	40.501	4.149	11.866	0.249
6/22/2017 3:37:04 PM	40.751	4.150	11.903	0.246
6/22/2017 3:37:04 PM	41.001	4.149	11.868	0.250
6/22/2017 3:37:04 PM	41.251	4.147	11.901	0.255
6/22/2017 3:37:04 PM	41.501	4.147	11.902	0.253

6/22/2017 3:37:05 PM	41.750	4.150	11.894	0.247
6/22/2017 3:37:05 PM	42.000	4.151	11.902	0.245
6/22/2017 3:37:05 PM	42.250	4.149	11.905	0.249
6/22/2017 3:37:05 PM	42.500	4.150	11.904	0.248
6/22/2017 3:37:06 PM	42.750	4.151	11.916	0.244
6/22/2017 3:37:06 PM	43.000	4.149	11.900	0.248
6/22/2017 3:37:06 PM	43.250	4.150	11.901	0.246
6/22/2017 3:37:06 PM	43.500	4.148	11.882	0.251
6/22/2017 3:37:07 PM	43.750	4.150	11.916	0.248
6/22/2017 3:37:07 PM	44.000	4.150	11.889	0.247
6/22/2017 3:37:07 PM	44.250	4.151	11.903	0.245
6/22/2017 3:37:07 PM	44.500	4.148	11.871	0.251
6/22/2017 3:37:08 PM	44.750	4.148	11.913	0.251
6/22/2017 3:37:08 PM	45.000	4.151	11.913	0.245
6/22/2017 3:37:08 PM	45.250	4.153	11.895	0.240
6/22/2017 3:37:08 PM	45.500	4.150	11.873	0.248
6/22/2017 3:37:09 PM	45.750	4.151	11.889	0.245
6/22/2017 3:37:09 PM	46.000	4.150	11.883	0.246
6/22/2017 3:37:09 PM	46.250	4.149	11.886	0.250
6/22/2017 3:37:09 PM	46.500	4.148	11.899	0.251
6/22/2017 3:37:10 PM	46.750	4.154	11.913	0.238
6/22/2017 3:37:10 PM	47.000	4.156	11.888	0.233
6/22/2017 3:37:10 PM	47.250	4.157	11.880	0.231
6/22/2017 3:37:10 PM	47.500	4.153	11.901	0.241
6/22/2017 3:37:11 PM	47.751	4.157	11.855	0.231
6/22/2017 3:37:11 PM	48.001	4.155	11.901	0.234
6/22/2017 3:37:11 PM	48.251	4.154	11.895	0.237
6/22/2017 3:37:11 PM	48.501	4.154	11.892	0.238
6/22/2017 3:37:12 PM	48.751	4.155	11.916	0.235
6/22/2017 3:37:12 PM	49.001	4.154	11.883	0.237
6/22/2017 3:37:12 PM	49.251	4.154	11.882	0.237
6/22/2017 3:37:12 PM	49.501	4.154	11.916	0.238
6/22/2017 3:37:13 PM	49.751	4.154	11.905	0.237
6/22/2017 3:37:13 PM	50.001	4.154	11.890	0.238
6/22/2017 3:37:13 PM	50.251	4.157	11.878	0.232
6/22/2017 3:37:13 PM	50.501	4.154	11.890	0.238
6/22/2017 3:37:14 PM	50.751	4.154	11.907	0.237
6/22/2017 3:37:14 PM	51.001	4.155	11.886	0.235
6/22/2017 3:37:14 PM	51.251	4.157	11.895	0.232
6/22/2017 3:37:14 PM	51.501	4.154	11.894	0.238
6/22/2017 3:37:15 PM	51.751	4.157	11.891	0.231
6/22/2017 3:37:15 PM	52.001	4.156	11.908	0.234
6/22/2017 3:37:15 PM	52.251	4.156	11.895	0.234
6/22/2017 3:37:15 PM	52.501	4.156	11.880	0.233
6/22/2017 3:37:16 PM	52.751	4.153	11.895	0.239
6/22/2017 3:37:16 PM	53.001	4.155	11.906	0.235
6/22/2017 3:37:16 PM	53.250	4.153	11.913	0.241
6/22/2017 3:37:16 PM	53.500	4.155	11.902	0.236
6/22/2017 3:37:17 PM	53.750	4.155	11.897	0.235
6/22/2017 3:37:17 PM	54.000	4.153	11.871	0.239
6/22/2017 3:37:17 PM	54.250	4.158	11.913	0.229
6/22/2017 3:37:17 PM	54.500	4.155	11.896	0.236
6/22/2017 3:37:18 PM	54.750	4.154	11.892	0.238
6/22/2017 3:37:18 PM	55.000	4.156	11.901	0.232
6/22/2017 3:37:18 PM	55.250	4.154	11.892	0.238
6/22/2017 3:37:18 PM	55.500	4.154	11.919	0.237
6/22/2017 3:37:19 PM	55.750	4.155	11.894	0.234
6/22/2017 3:37:19 PM	56.000	4.158	11.894	0.229
6/22/2017 3:37:19 PM	56.250	4.156	11.894	0.232
6/22/2017 3:37:19 PM	56.500	4.156	11.897	0.234
6/22/2017 3:37:20 PM	56.750	4.156	11.893	0.233
6/22/2017 3:37:20 PM	57.000	4.154	11.899	0.238
6/22/2017 3:37:20 PM	57.250	4.155	11.883	0.236

6/22/2017 3:37:20 PM	57.500	4.154	11.919	0.238
6/22/2017 3:37:21 PM	57.750	4.152	11.886	0.242
6/22/2017 3:37:21 PM	58.000	4.154	11.883	0.238
6/22/2017 3:37:21 PM	58.250	4.154	11.871	0.238
6/22/2017 3:37:21 PM	58.500	4.155	11.924	0.235
6/22/2017 3:37:22 PM	58.750	4.157	11.899	0.230
6/22/2017 3:37:22 PM	59.000	4.155	11.917	0.236
6/22/2017 3:37:22 PM	59.250	4.157	11.891	0.231
6/22/2017 3:37:22 PM	59.500	4.157	11.915	0.232
6/22/2017 3:37:23 PM	60.000	4.156	11.897	0.234
6/22/2017 3:38:23 PM	120.001	4.160	11.810	0.224
6/22/2017 3:39:23 PM	180.001	4.160	11.797	0.224
6/22/2017 3:40:23 PM	240.001	4.165	11.778	0.212
6/22/2017 3:41:23 PM	300.001	4.166	11.789	0.210
6/22/2017 3:42:23 PM	360.001	4.168	11.795	0.205
6/22/2017 3:43:23 PM	420.001	4.169	11.789	0.204
6/22/2017 3:44:23 PM	480.001	4.167	11.811	0.208
6/22/2017 3:45:23 PM	540.001	4.169	11.778	0.203
6/22/2017 3:46:23 PM	600.001	4.171	11.749	0.198
6/22/2017 3:47:23 PM	660.001	4.173	11.759	0.194
6/22/2017 3:48:23 PM	720.001	4.175	11.761	0.189
6/22/2017 3:49:23 PM	780.001	4.174	11.768	0.191
6/22/2017 3:50:23 PM	840.001	4.175	11.759	0.188
6/22/2017 3:51:23 PM	900.001	4.178	11.755	0.183
6/22/2017 3:52:23 PM	960.001	4.179	11.756	0.181
6/22/2017 3:53:23 PM	1020.001	4.177	11.771	0.185
6/22/2017 3:54:23 PM	1080.001	4.182	11.739	0.174
6/22/2017 3:55:23 PM	1140.121	4.182	11.756	0.173
6/22/2017 3:56:23 PM	1200.001	4.183	11.753	0.171
6/22/2017 3:57:23 PM	1260.001	4.181	11.766	0.176

Report Date: 7/10/2017 9:46:11 AM
Report User Name: dalmond
Report Computer Name: PINEWRKMA25-PC
Application: WinSitu.exe
Application Version: 5.6.25.0

Log File Properties:
File Name: CH-MW018 RH2_2017-07-10_09-46-06-241.wsl
Create Date: 7/10/2017 9:46:04 AM

Device Properties:
Device: Level TROLL 700
Site: Camp Hero
Device Name: Level Troll 700
Serial Number: 402202
Firmware Version: 3.02
Hardware Version: 4
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 17
Used Battery(%): 12

Log Configuration
Log Name: CH-MW018 RH2
Created By: Unknown
Computer Name: Pocket PC
Application: WinSituMobile.exe
Application Version: 5.6.0.10
Create Date: 3/5/2006 4:12:23 AM Eastern Standard Time
Log Setup Time Zone: Eastern Standard Time
Notes Size(bytes): 4096
Overwrite when full: Disabled
Scheduled Start Time: Manual Start
Scheduled Stop Time: No Stop Time
Type: Step Test
Steps: 2 (Linear)
Step: 1
Duration: Days: 0 hrs: 00 mins: 02 secs: 00
Interval: Days: 0 hrs: 00 mins: 00 secs: 00.500
Step: 2
Duration: Days: 0 hrs: 10 mins: 00 secs: 00
Interval: Days: 0 hrs: 00 mins: 00 secs: 01

Level Reference Settings At Log Creation
Level Measurement Mode: Level Depth To Water
Specific Gravity: 0.999
Level Reference Mode: Set new reference
Level Reference Value: 0 (ft)
Level Reference Head Pressure: 4.43372 (PSI)

Other Log Settings
Pressure Offset: 0.00335646 (PSI)
Depth of Probe: 10.2335 (ft)
Head Pressure: 4.43205 (PSI)
Temperature: 10.795 (C)

Log Notes:

Date and Time	Note
6/23/2017 9:53:05 AM	Used Battery: 12% Used Memory: 18% User Name: Unknown
6/23/2017 9:53:15 AM	Manual Start Command
6/23/2017 10:07:46 AM	Log Download - Used Battery: 12% Used Memory: 18% User Name: Unknown
6/23/2017 10:11:47 AM	Used Battery: 12% Used Memory: 18% User Name: Unknown
6/23/2017 10:11:47 AM	Manual Stop Command

Log Data:
Record Count: 1232
Sensors: 1
1 - 402202: Pressure/Temp 30 PSIG (21m/69ft)
Time Zone: Eastern Daylight Time

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 69ft SN#: 402202 Pressure (PSI)	Sensor: Pres(G) 69ft SN#: 402202 Temperature (C)	Sensor: Pres(G) 69ft SN#: 402202 Level Depth To Water (ft)
6/23/2017 9:53:15 AM	0.000	4.431	10.801	0.007
6/23/2017 9:53:16 AM	0.500	4.024	10.803	0.946
6/23/2017 9:53:16 AM	1.000	4.205	10.799	0.528
6/23/2017 9:53:17 AM	1.500	4.393	10.791	0.094
6/23/2017 9:53:17 AM	2.000	4.271	10.794	0.376
6/23/2017 9:53:18 AM	2.500	4.371	10.787	0.146
6/23/2017 9:53:18 AM	3.000	4.362	10.783	0.166
6/23/2017 9:53:19 AM	3.500	4.249	10.848	0.427
6/23/2017 9:53:19 AM	4.000	4.221	10.801	0.491
6/23/2017 9:53:20 AM	4.500	4.275	10.802	0.367
6/23/2017 9:53:20 AM	5.000	4.257	10.812	0.408
6/23/2017 9:53:21 AM	5.500	4.263	10.832	0.394
6/23/2017 9:53:21 AM	6.000	4.281	10.821	0.353
6/23/2017 9:53:22 AM	6.500	4.280	10.824	0.356
6/23/2017 9:53:22 AM	7.000	4.277	10.816	0.362
6/23/2017 9:53:23 AM	7.500	4.281	10.828	0.352
6/23/2017 9:53:23 AM	8.000	4.281	10.838	0.352
6/23/2017 9:53:24 AM	8.500	4.284	10.816	0.347
6/23/2017 9:53:24 AM	9.000	4.281	10.814	0.353
6/23/2017 9:53:25 AM	9.500	4.277	10.802	0.363
6/23/2017 9:53:25 AM	10.000	4.281	10.848	0.352
6/23/2017 9:53:26 AM	10.500	4.278	10.833	0.359
6/23/2017 9:53:26 AM	11.000	4.279	10.801	0.356
6/23/2017 9:53:27 AM	11.624	4.281	10.819	0.352
6/23/2017 9:53:27 AM	12.000	4.282	10.808	0.350
6/23/2017 9:53:28 AM	12.565	4.279	10.835	0.357
6/23/2017 9:53:28 AM	13.000	4.280	10.830	0.356
6/23/2017 9:53:29 AM	13.500	4.279	10.797	0.356
6/23/2017 9:53:29 AM	14.000	4.281	10.826	0.353
6/23/2017 9:53:30 AM	14.500	4.279	10.801	0.358
6/23/2017 9:53:30 AM	15.000	4.279	10.869	0.357
6/23/2017 9:53:31 AM	15.500	4.279	10.810	0.356
6/23/2017 9:53:31 AM	16.000	4.281	10.828	0.352
6/23/2017 9:53:32 AM	16.500	4.280	10.819	0.356
6/23/2017 9:53:32 AM	17.000	4.277	10.836	0.362
6/23/2017 9:53:33 AM	17.500	4.278	10.823	0.360
6/23/2017 9:53:33 AM	18.000	4.278	10.802	0.360
6/23/2017 9:53:34 AM	18.500	4.279	10.819	0.357
6/23/2017 9:53:34 AM	19.000	4.279	10.822	0.357
6/23/2017 9:53:35 AM	19.500	4.275	10.841	0.366
6/23/2017 9:53:35 AM	20.000	4.278	10.821	0.361
6/23/2017 9:53:36 AM	20.500	4.279	10.786	0.358

6/23/2017 9:53:36 AM	21.000	4.280	10.796	0.355
6/23/2017 9:53:37 AM	21.500	4.281	10.830	0.354
6/23/2017 9:53:37 AM	22.000	4.280	10.819	0.356
6/23/2017 9:53:38 AM	22.500	4.278	10.841	0.360
6/23/2017 9:53:38 AM	23.000	4.278	10.822	0.360
6/23/2017 9:53:39 AM	23.500	4.277	10.844	0.361
6/23/2017 9:53:39 AM	24.000	4.277	10.798	0.363
6/23/2017 9:53:40 AM	24.500	4.279	10.831	0.358
6/23/2017 9:53:40 AM	25.000	4.279	10.835	0.357
6/23/2017 9:53:41 AM	25.500	4.278	10.836	0.359
6/23/2017 9:53:41 AM	26.000	4.277	10.802	0.362
6/23/2017 9:53:42 AM	26.500	4.279	10.819	0.357
6/23/2017 9:53:42 AM	27.000	4.275	10.837	0.366
6/23/2017 9:53:43 AM	27.500	4.277	10.840	0.362
6/23/2017 9:53:43 AM	28.000	4.278	10.836	0.360
6/23/2017 9:53:44 AM	28.500	4.274	10.835	0.368
6/23/2017 9:53:44 AM	29.000	4.276	10.840	0.364
6/23/2017 9:53:45 AM	29.500	4.275	10.816	0.367
6/23/2017 9:53:45 AM	30.000	4.278	10.812	0.360
6/23/2017 9:53:46 AM	30.500	4.275	10.811	0.366
6/23/2017 9:53:46 AM	31.000	4.277	10.841	0.362
6/23/2017 9:53:47 AM	31.500	4.278	10.830	0.360
6/23/2017 9:53:47 AM	32.000	4.277	10.835	0.361
6/23/2017 9:53:48 AM	32.500	4.278	10.819	0.360
6/23/2017 9:53:48 AM	33.000	4.277	10.802	0.361
6/23/2017 9:53:49 AM	33.500	4.278	10.833	0.360
6/23/2017 9:53:49 AM	34.000	4.273	10.820	0.371
6/23/2017 9:53:50 AM	34.500	4.279	10.823	0.358
6/23/2017 9:53:50 AM	35.000	4.276	10.814	0.364
6/23/2017 9:53:51 AM	35.500	4.277	10.828	0.362
6/23/2017 9:53:51 AM	36.000	4.276	10.843	0.365
6/23/2017 9:53:52 AM	36.500	4.276	10.869	0.363
6/23/2017 9:53:52 AM	37.000	4.276	10.834	0.364
6/23/2017 9:53:53 AM	37.500	4.275	10.834	0.367
6/23/2017 9:53:53 AM	38.000	4.279	10.836	0.358
6/23/2017 9:53:54 AM	38.500	4.278	10.823	0.360
6/23/2017 9:53:54 AM	39.000	4.278	10.837	0.360
6/23/2017 9:53:55 AM	39.500	4.275	10.837	0.367
6/23/2017 9:53:55 AM	40.000	4.276	10.821	0.363
6/23/2017 9:53:56 AM	40.500	4.275	10.848	0.366
6/23/2017 9:53:56 AM	41.000	4.275	10.838	0.367
6/23/2017 9:53:57 AM	41.500	4.275	10.824	0.367
6/23/2017 9:53:57 AM	42.000	4.274	10.835	0.369
6/23/2017 9:53:58 AM	42.500	4.277	10.809	0.361
6/23/2017 9:53:58 AM	43.000	4.280	10.846	0.355
6/23/2017 9:53:59 AM	43.500	4.276	10.847	0.365
6/23/2017 9:53:59 AM	44.000	4.277	10.851	0.363
6/23/2017 9:54:00 AM	44.500	4.277	10.831	0.363
6/23/2017 9:54:00 AM	45.000	4.277	10.818	0.362
6/23/2017 9:54:01 AM	45.500	4.275	10.832	0.366
6/23/2017 9:54:01 AM	46.000	4.277	10.848	0.363
6/23/2017 9:54:02 AM	46.500	4.275	10.839	0.367
6/23/2017 9:54:02 AM	47.000	4.277	10.825	0.362
6/23/2017 9:54:03 AM	47.500	4.276	10.835	0.363
6/23/2017 9:54:03 AM	48.000	4.276	10.839	0.365
6/23/2017 9:54:04 AM	48.500	4.276	10.865	0.365
6/23/2017 9:54:04 AM	49.000	4.277	10.857	0.363
6/23/2017 9:54:05 AM	49.500	4.277	10.835	0.361
6/23/2017 9:54:05 AM	50.000	4.275	10.830	0.365
6/23/2017 9:54:06 AM	50.500	4.277	10.852	0.361
6/23/2017 9:54:06 AM	51.000	4.276	10.835	0.364
6/23/2017 9:54:07 AM	51.525	4.275	10.828	0.365
6/23/2017 9:54:07 AM	52.000	4.275	10.827	0.366

6/23/2017 9:54:08 AM	52.500	4.276	10.844	0.364
6/23/2017 9:54:08 AM	53.000	4.278	10.841	0.359
6/23/2017 9:54:09 AM	53.500	4.277	10.838	0.361
6/23/2017 9:54:09 AM	54.000	4.274	10.833	0.368
6/23/2017 9:54:10 AM	54.500	4.279	10.831	0.356
6/23/2017 9:54:10 AM	55.000	4.275	10.849	0.367
6/23/2017 9:54:11 AM	55.500	4.275	10.821	0.367
6/23/2017 9:54:11 AM	56.000	4.275	10.838	0.366
6/23/2017 9:54:12 AM	56.500	4.277	10.844	0.361
6/23/2017 9:54:12 AM	57.000	4.280	10.849	0.354
6/23/2017 9:54:13 AM	57.500	4.277	10.845	0.362
6/23/2017 9:54:13 AM	58.000	4.277	10.813	0.363
6/23/2017 9:54:14 AM	58.500	4.278	10.864	0.359
6/23/2017 9:54:14 AM	59.000	4.277	10.823	0.363
6/23/2017 9:54:15 AM	59.500	4.277	10.845	0.361
6/23/2017 9:54:15 AM	60.000	4.276	10.859	0.363
6/23/2017 9:54:16 AM	60.500	4.275	10.852	0.366
6/23/2017 9:54:16 AM	61.000	4.275	10.866	0.367
6/23/2017 9:54:17 AM	61.500	4.274	10.840	0.370
6/23/2017 9:54:17 AM	62.000	4.275	10.867	0.367
6/23/2017 9:54:18 AM	62.500	4.275	10.841	0.367
6/23/2017 9:54:18 AM	63.000	4.275	10.841	0.366
6/23/2017 9:54:19 AM	63.500	4.275	10.841	0.366
6/23/2017 9:54:19 AM	64.000	4.277	10.813	0.362
6/23/2017 9:54:20 AM	64.500	4.279	10.839	0.356
6/23/2017 9:54:20 AM	65.000	4.277	10.841	0.362
6/23/2017 9:54:21 AM	65.500	4.273	10.824	0.371
6/23/2017 9:54:21 AM	66.000	4.277	10.811	0.363
6/23/2017 9:54:22 AM	66.500	4.278	10.826	0.360
6/23/2017 9:54:22 AM	67.000	4.276	10.833	0.364
6/23/2017 9:54:23 AM	67.500	4.277	10.796	0.362
6/23/2017 9:54:23 AM	68.000	4.276	10.855	0.364
6/23/2017 9:54:24 AM	68.500	4.276	10.838	0.364
6/23/2017 9:54:24 AM	69.000	4.276	10.822	0.363
6/23/2017 9:54:25 AM	69.500	4.278	10.828	0.358
6/23/2017 9:54:25 AM	70.000	4.277	10.808	0.362
6/23/2017 9:54:26 AM	70.500	4.274	10.847	0.368
6/23/2017 9:54:26 AM	71.000	4.274	10.832	0.369
6/23/2017 9:54:27 AM	71.500	4.277	10.819	0.363
6/23/2017 9:54:27 AM	72.000	4.274	10.840	0.368
6/23/2017 9:54:28 AM	72.500	4.277	10.834	0.361
6/23/2017 9:54:28 AM	73.000	4.280	10.853	0.356
6/23/2017 9:54:29 AM	73.500	4.274	10.854	0.368
6/23/2017 9:54:29 AM	74.000	4.279	10.822	0.357
6/23/2017 9:54:30 AM	74.500	4.275	10.847	0.366
6/23/2017 9:54:30 AM	75.000	4.277	10.827	0.362
6/23/2017 9:54:31 AM	75.500	4.278	10.855	0.360
6/23/2017 9:54:31 AM	76.000	4.276	10.836	0.365
6/23/2017 9:54:32 AM	76.500	4.279	10.834	0.357
6/23/2017 9:54:32 AM	77.000	4.274	10.830	0.369
6/23/2017 9:54:33 AM	77.500	4.276	10.822	0.364
6/23/2017 9:54:33 AM	78.000	4.276	10.830	0.365
6/23/2017 9:54:34 AM	78.500	4.277	10.834	0.362
6/23/2017 9:54:34 AM	79.000	4.276	10.816	0.364
6/23/2017 9:54:35 AM	79.500	4.278	10.863	0.360
6/23/2017 9:54:35 AM	80.000	4.278	10.834	0.360
6/23/2017 9:54:36 AM	80.500	4.276	10.817	0.365
6/23/2017 9:54:36 AM	81.000	4.280	10.835	0.355
6/23/2017 9:54:37 AM	81.500	4.277	10.842	0.362
6/23/2017 9:54:37 AM	82.000	4.277	10.819	0.362
6/23/2017 9:54:38 AM	82.500	4.280	10.851	0.355
6/23/2017 9:54:38 AM	83.000	4.276	10.829	0.365
6/23/2017 9:54:39 AM	83.500	4.278	10.834	0.360

6/23/2017 9:54:39 AM	84.000	4.274	10.859	0.368
6/23/2017 9:54:40 AM	84.500	4.278	10.827	0.360
6/23/2017 9:54:40 AM	85.000	4.275	10.844	0.367
6/23/2017 9:54:41 AM	85.500	4.277	10.848	0.362
6/23/2017 9:54:41 AM	86.000	4.275	10.843	0.366
6/23/2017 9:54:42 AM	86.500	4.278	10.839	0.360
6/23/2017 9:54:42 AM	87.000	4.275	10.846	0.365
6/23/2017 9:54:43 AM	87.500	4.278	10.841	0.361
6/23/2017 9:54:43 AM	88.000	4.277	10.827	0.363
6/23/2017 9:54:44 AM	88.500	4.277	10.830	0.362
6/23/2017 9:54:44 AM	89.000	4.277	10.822	0.361
6/23/2017 9:54:45 AM	89.500	4.275	10.837	0.366
6/23/2017 9:54:45 AM	90.000	4.277	10.858	0.362
6/23/2017 9:54:46 AM	90.500	4.278	10.837	0.359
6/23/2017 9:54:46 AM	91.000	4.276	10.833	0.364
6/23/2017 9:54:47 AM	91.500	4.277	10.832	0.362
6/23/2017 9:54:47 AM	92.000	4.277	10.827	0.361
6/23/2017 9:54:48 AM	92.500	4.278	10.855	0.360
6/23/2017 9:54:48 AM	93.000	4.277	10.842	0.362
6/23/2017 9:54:49 AM	93.500	4.276	10.852	0.364
6/23/2017 9:54:49 AM	94.000	4.277	10.838	0.362
6/23/2017 9:54:50 AM	94.500	4.277	10.855	0.361
6/23/2017 9:54:50 AM	95.000	4.279	10.824	0.356
6/23/2017 9:54:51 AM	95.500	4.276	10.816	0.364
6/23/2017 9:54:51 AM	96.000	4.281	10.840	0.353
6/23/2017 9:54:52 AM	96.500	4.278	10.816	0.359
6/23/2017 9:54:52 AM	97.000	4.277	10.804	0.362
6/23/2017 9:54:53 AM	97.500	4.279	10.857	0.358
6/23/2017 9:54:53 AM	98.000	4.278	10.845	0.359
6/23/2017 9:54:54 AM	98.500	4.275	10.816	0.366
6/23/2017 9:54:54 AM	99.000	4.274	10.852	0.368
6/23/2017 9:54:55 AM	99.500	4.277	10.847	0.361
6/23/2017 9:54:55 AM	100.000	4.276	10.830	0.363
6/23/2017 9:54:56 AM	100.500	4.277	10.830	0.362
6/23/2017 9:54:56 AM	101.000	4.277	10.822	0.361
6/23/2017 9:54:57 AM	101.500	4.275	10.807	0.366
6/23/2017 9:54:57 AM	102.019	4.277	10.836	0.362
6/23/2017 9:54:58 AM	102.500	4.273	10.857	0.370
6/23/2017 9:54:58 AM	103.000	4.277	10.835	0.361
6/23/2017 9:54:59 AM	103.500	4.277	10.846	0.362
6/23/2017 9:54:59 AM	104.000	4.275	10.829	0.366
6/23/2017 9:55:00 AM	104.500	4.278	10.826	0.360
6/23/2017 9:55:00 AM	105.000	4.275	10.840	0.366
6/23/2017 9:55:01 AM	105.500	4.275	10.830	0.366
6/23/2017 9:55:01 AM	106.000	4.276	10.859	0.365
6/23/2017 9:55:02 AM	106.500	4.278	10.827	0.360
6/23/2017 9:55:02 AM	107.000	4.280	10.818	0.355
6/23/2017 9:55:03 AM	107.500	4.280	10.818	0.356
6/23/2017 9:55:03 AM	108.000	4.277	10.842	0.361
6/23/2017 9:55:04 AM	108.500	4.278	10.844	0.359
6/23/2017 9:55:04 AM	109.000	4.278	10.819	0.361
6/23/2017 9:55:05 AM	109.500	4.275	10.818	0.367
6/23/2017 9:55:05 AM	110.000	4.277	10.823	0.361
6/23/2017 9:55:06 AM	110.500	4.275	10.835	0.367
6/23/2017 9:55:06 AM	111.000	4.276	10.833	0.363
6/23/2017 9:55:07 AM	111.500	4.279	10.844	0.358
6/23/2017 9:55:07 AM	112.000	4.277	10.849	0.363
6/23/2017 9:55:08 AM	112.500	4.278	10.841	0.361
6/23/2017 9:55:08 AM	113.000	4.276	10.825	0.364
6/23/2017 9:55:09 AM	113.500	4.276	10.840	0.364
6/23/2017 9:55:09 AM	114.000	4.278	10.849	0.359
6/23/2017 9:55:10 AM	114.500	4.278	10.824	0.360
6/23/2017 9:55:10 AM	115.000	4.273	10.838	0.370

6/23/2017 9:55:11 AM	115.500	4.278	10.810	0.359
6/23/2017 9:55:11 AM	116.000	4.277	10.869	0.363
6/23/2017 9:55:12 AM	116.500	4.279	10.859	0.357
6/23/2017 9:55:12 AM	117.000	4.277	10.843	0.362
6/23/2017 9:55:13 AM	117.500	4.280	10.854	0.356
6/23/2017 9:55:13 AM	118.000	4.279	10.838	0.358
6/23/2017 9:55:14 AM	118.500	4.274	10.824	0.369
6/23/2017 9:55:14 AM	119.000	4.280	10.832	0.356
6/23/2017 9:55:15 AM	120.000	4.275	10.811	0.366
6/23/2017 9:55:16 AM	121.001	4.277	10.838	0.361
6/23/2017 9:55:17 AM	122.001	4.276	10.836	0.365
6/23/2017 9:55:18 AM	123.001	4.279	10.821	0.358
6/23/2017 9:55:19 AM	124.001	4.276	10.828	0.365
6/23/2017 9:55:20 AM	125.001	4.275	10.830	0.368
6/23/2017 9:55:21 AM	126.001	4.277	10.838	0.362
6/23/2017 9:55:22 AM	127.001	4.281	10.819	0.354
6/23/2017 9:55:23 AM	128.001	4.280	10.816	0.356
6/23/2017 9:55:24 AM	129.001	4.278	10.808	0.360
6/23/2017 9:55:25 AM	130.001	4.280	10.837	0.354
6/23/2017 9:55:26 AM	131.001	4.276	10.798	0.365
6/23/2017 9:55:27 AM	132.001	4.277	10.823	0.361
6/23/2017 9:55:28 AM	133.001	4.278	10.831	0.359
6/23/2017 9:55:29 AM	134.001	4.278	10.828	0.359
6/23/2017 9:55:30 AM	135.001	4.277	10.827	0.363
6/23/2017 9:55:31 AM	136.001	4.276	10.822	0.364
6/23/2017 9:55:32 AM	137.001	4.274	10.797	0.368
6/23/2017 9:55:33 AM	138.001	4.277	10.802	0.362
6/23/2017 9:55:34 AM	139.001	4.277	10.812	0.362
6/23/2017 9:55:35 AM	140.001	4.275	10.830	0.365
6/23/2017 9:55:36 AM	141.001	4.277	10.847	0.361
6/23/2017 9:55:37 AM	142.001	4.278	10.808	0.360
6/23/2017 9:55:38 AM	143.001	4.278	10.802	0.360
6/23/2017 9:55:39 AM	144.001	4.279	10.819	0.357
6/23/2017 9:55:40 AM	145.001	4.277	10.775	0.361
6/23/2017 9:55:41 AM	146.001	4.278	10.829	0.360
6/23/2017 9:55:42 AM	147.001	4.277	10.824	0.363
6/23/2017 9:55:43 AM	148.001	4.278	10.827	0.360
6/23/2017 9:55:44 AM	149.001	4.277	10.805	0.361
6/23/2017 9:55:45 AM	150.001	4.278	10.833	0.360
6/23/2017 9:55:46 AM	151.001	4.276	10.835	0.365
6/23/2017 9:55:47 AM	152.001	4.278	10.823	0.360
6/23/2017 9:55:48 AM	153.001	4.279	10.791	0.358
6/23/2017 9:55:49 AM	154.001	4.281	10.811	0.354
6/23/2017 9:55:50 AM	155.001	4.279	10.808	0.358
6/23/2017 9:55:51 AM	156.001	4.280	10.828	0.354
6/23/2017 9:55:52 AM	157.001	4.274	10.816	0.368
6/23/2017 9:55:53 AM	158.001	4.279	10.805	0.357
6/23/2017 9:55:54 AM	159.001	4.275	10.853	0.366
6/23/2017 9:55:55 AM	160.001	4.276	10.840	0.365
6/23/2017 9:55:56 AM	161.001	4.276	10.839	0.365
6/23/2017 9:55:57 AM	162.001	4.277	10.824	0.363
6/23/2017 9:55:58 AM	163.001	4.279	10.808	0.356
6/23/2017 9:55:59 AM	164.001	4.277	10.799	0.361
6/23/2017 9:56:00 AM	165.001	4.274	10.797	0.368
6/23/2017 9:56:01 AM	166.001	4.277	10.806	0.362
6/23/2017 9:56:02 AM	167.001	4.276	10.803	0.364
6/23/2017 9:56:03 AM	168.001	4.276	10.822	0.363
6/23/2017 9:56:04 AM	169.001	4.276	10.813	0.364
6/23/2017 9:56:05 AM	170.001	4.277	10.813	0.363
6/23/2017 9:56:06 AM	171.001	4.280	10.825	0.356
6/23/2017 9:56:07 AM	172.001	4.280	10.811	0.356
6/23/2017 9:56:08 AM	173.001	4.280	10.793	0.355
6/23/2017 9:56:09 AM	174.001	4.278	10.814	0.360

6/23/2017 9:56:10 AM	175.001	4.276	10.824	0.364
6/23/2017 9:56:11 AM	176.001	4.277	10.824	0.362
6/23/2017 9:56:12 AM	177.001	4.280	10.788	0.355
6/23/2017 9:56:13 AM	178.001	4.278	10.821	0.359
6/23/2017 9:56:14 AM	179.001	4.278	10.802	0.360
6/23/2017 9:56:15 AM	180.001	4.278	10.823	0.359
6/23/2017 9:56:16 AM	181.001	4.279	10.804	0.357
6/23/2017 9:56:17 AM	182.001	4.276	10.819	0.364
6/23/2017 9:56:18 AM	183.001	4.278	10.816	0.359
6/23/2017 9:56:19 AM	184.001	4.277	10.786	0.363
6/23/2017 9:56:20 AM	185.001	4.276	10.797	0.364
6/23/2017 9:56:21 AM	186.001	4.279	10.809	0.358
6/23/2017 9:56:22 AM	187.001	4.276	10.836	0.364
6/23/2017 9:56:23 AM	188.001	4.279	10.802	0.358
6/23/2017 9:56:24 AM	189.001	4.278	10.788	0.359
6/23/2017 9:56:25 AM	190.001	4.276	10.811	0.364
6/23/2017 9:56:26 AM	191.001	4.278	10.800	0.361
6/23/2017 9:56:27 AM	192.001	4.277	10.816	0.363
6/23/2017 9:56:28 AM	193.001	4.281	10.777	0.353
6/23/2017 9:56:29 AM	194.001	4.280	10.799	0.355
6/23/2017 9:56:30 AM	195.001	4.276	10.808	0.364
6/23/2017 9:56:31 AM	196.001	4.276	10.802	0.365
6/23/2017 9:56:32 AM	197.001	4.276	10.813	0.364
6/23/2017 9:56:33 AM	198.001	4.279	10.804	0.356
6/23/2017 9:56:34 AM	199.001	4.279	10.830	0.358
6/23/2017 9:56:35 AM	200.001	4.279	10.813	0.357
6/23/2017 9:56:36 AM	201.001	4.278	10.804	0.360
6/23/2017 9:56:37 AM	202.001	4.278	10.807	0.359
6/23/2017 9:56:38 AM	203.025	4.281	10.806	0.353
6/23/2017 9:56:39 AM	204.001	4.278	10.823	0.359
6/23/2017 9:56:40 AM	205.001	4.278	10.800	0.358
6/23/2017 9:56:41 AM	206.001	4.278	10.804	0.359
6/23/2017 9:56:42 AM	207.001	4.276	10.822	0.364
6/23/2017 9:56:43 AM	208.001	4.275	10.804	0.367
6/23/2017 9:56:44 AM	209.001	4.277	10.813	0.362
6/23/2017 9:56:45 AM	210.001	4.277	10.824	0.361
6/23/2017 9:56:46 AM	211.001	4.279	10.810	0.356
6/23/2017 9:56:47 AM	212.001	4.279	10.816	0.357
6/23/2017 9:56:48 AM	213.001	4.280	10.824	0.355
6/23/2017 9:56:49 AM	214.001	4.276	10.813	0.364
6/23/2017 9:56:50 AM	215.001	4.276	10.815	0.365
6/23/2017 9:56:51 AM	216.001	4.282	10.784	0.351
6/23/2017 9:56:52 AM	217.001	4.280	10.783	0.354
6/23/2017 9:56:53 AM	218.001	4.278	10.813	0.360
6/23/2017 9:56:54 AM	219.001	4.281	10.813	0.353
6/23/2017 9:56:55 AM	220.001	4.280	10.798	0.356
6/23/2017 9:56:56 AM	221.001	4.277	10.805	0.363
6/23/2017 9:56:57 AM	222.001	4.278	10.823	0.359
6/23/2017 9:56:58 AM	223.001	4.277	10.791	0.362
6/23/2017 9:56:59 AM	224.001	4.280	10.801	0.356
6/23/2017 9:57:00 AM	225.001	4.279	10.807	0.358
6/23/2017 9:57:01 AM	226.001	4.280	10.819	0.356
6/23/2017 9:57:02 AM	227.001	4.279	10.806	0.358
6/23/2017 9:57:03 AM	228.001	4.279	10.809	0.357
6/23/2017 9:57:04 AM	229.001	4.278	10.812	0.359
6/23/2017 9:57:05 AM	230.001	4.276	10.787	0.364
6/23/2017 9:57:06 AM	231.001	4.278	10.792	0.360
6/23/2017 9:57:07 AM	232.001	4.279	10.834	0.358
6/23/2017 9:57:08 AM	233.001	4.278	10.799	0.360
6/23/2017 9:57:09 AM	234.001	4.276	10.805	0.364
6/23/2017 9:57:10 AM	235.001	4.278	10.807	0.359
6/23/2017 9:57:11 AM	236.001	4.279	10.816	0.357
6/23/2017 9:57:12 AM	237.001	4.280	10.804	0.356

6/23/2017 9:57:13 AM	238.001	4.277	10.820	0.361
6/23/2017 9:57:14 AM	239.001	4.277	10.794	0.363
6/23/2017 9:57:15 AM	240.001	4.279	10.783	0.358
6/23/2017 9:57:16 AM	241.001	4.278	10.794	0.361
6/23/2017 9:57:17 AM	242.001	4.280	10.794	0.356
6/23/2017 9:57:18 AM	243.001	4.279	10.814	0.357
6/23/2017 9:57:19 AM	244.001	4.276	10.791	0.364
6/23/2017 9:57:20 AM	245.001	4.276	10.795	0.365
6/23/2017 9:57:21 AM	246.001	4.278	10.783	0.359
6/23/2017 9:57:22 AM	247.001	4.279	10.832	0.357
6/23/2017 9:57:23 AM	248.001	4.279	10.827	0.356
6/23/2017 9:57:24 AM	249.001	4.278	10.824	0.360
6/23/2017 9:57:25 AM	250.001	4.278	10.823	0.360
6/23/2017 9:57:26 AM	251.001	4.280	10.808	0.356
6/23/2017 9:57:27 AM	252.001	4.281	10.813	0.353
6/23/2017 9:57:28 AM	253.001	4.278	10.819	0.358
6/23/2017 9:57:29 AM	254.001	4.279	10.803	0.357
6/23/2017 9:57:30 AM	255.001	4.279	10.812	0.357
6/23/2017 9:57:31 AM	256.001	4.277	10.813	0.361
6/23/2017 9:57:32 AM	257.001	4.276	10.814	0.364
6/23/2017 9:57:33 AM	258.001	4.277	10.806	0.362
6/23/2017 9:57:34 AM	259.001	4.276	10.780	0.364
6/23/2017 9:57:35 AM	260.001	4.276	10.788	0.364
6/23/2017 9:57:36 AM	261.001	4.278	10.814	0.360
6/23/2017 9:57:37 AM	262.001	4.276	10.805	0.364
6/23/2017 9:57:38 AM	263.001	4.277	10.804	0.361
6/23/2017 9:57:39 AM	264.001	4.277	10.819	0.361
6/23/2017 9:57:40 AM	265.001	4.279	10.792	0.357
6/23/2017 9:57:41 AM	266.001	4.280	10.788	0.354
6/23/2017 9:57:42 AM	267.001	4.277	10.799	0.363
6/23/2017 9:57:43 AM	268.001	4.278	10.788	0.360
6/23/2017 9:57:44 AM	269.001	4.281	10.777	0.353
6/23/2017 9:57:45 AM	270.001	4.276	10.807	0.364
6/23/2017 9:57:46 AM	271.001	4.279	10.805	0.357
6/23/2017 9:57:47 AM	272.001	4.280	10.804	0.355
6/23/2017 9:57:48 AM	273.001	4.277	10.792	0.361
6/23/2017 9:57:49 AM	274.001	4.278	10.804	0.360
6/23/2017 9:57:50 AM	275.001	4.280	10.803	0.355
6/23/2017 9:57:51 AM	276.001	4.279	10.803	0.357
6/23/2017 9:57:52 AM	277.001	4.280	10.816	0.355
6/23/2017 9:57:53 AM	278.001	4.278	10.794	0.359
6/23/2017 9:57:54 AM	279.001	4.278	10.788	0.359
6/23/2017 9:57:55 AM	280.001	4.279	10.803	0.357
6/23/2017 9:57:56 AM	281.001	4.276	10.806	0.365
6/23/2017 9:57:57 AM	282.001	4.282	10.816	0.351
6/23/2017 9:57:58 AM	283.001	4.277	10.828	0.363
6/23/2017 9:57:59 AM	284.001	4.279	10.788	0.358
6/23/2017 9:58:00 AM	285.001	4.279	10.796	0.357
6/23/2017 9:58:01 AM	286.001	4.278	10.792	0.360
6/23/2017 9:58:02 AM	287.001	4.277	10.800	0.361
6/23/2017 9:58:03 AM	288.001	4.280	10.828	0.355
6/23/2017 9:58:04 AM	289.001	4.279	10.824	0.358
6/23/2017 9:58:05 AM	290.001	4.276	10.828	0.364
6/23/2017 9:58:06 AM	291.001	4.279	10.811	0.357
6/23/2017 9:58:07 AM	292.001	4.278	10.796	0.360
6/23/2017 9:58:08 AM	293.001	4.278	10.810	0.361
6/23/2017 9:58:09 AM	294.001	4.279	10.788	0.358
6/23/2017 9:58:10 AM	295.001	4.279	10.796	0.358
6/23/2017 9:58:11 AM	296.001	4.278	10.803	0.360
6/23/2017 9:58:12 AM	297.001	4.276	10.819	0.364
6/23/2017 9:58:13 AM	298.001	4.278	10.807	0.359
6/23/2017 9:58:14 AM	299.001	4.280	10.786	0.354
6/23/2017 9:58:15 AM	300.001	4.279	10.795	0.356

6/23/2017 9:58:16 AM	301.001	4.280	10.825	0.354
6/23/2017 9:58:17 AM	302.001	4.279	10.799	0.357
6/23/2017 9:58:18 AM	303.001	4.279	10.805	0.358
6/23/2017 9:58:19 AM	304.001	4.278	10.805	0.359
6/23/2017 9:58:20 AM	305.001	4.279	10.812	0.358
6/23/2017 9:58:21 AM	306.001	4.277	10.821	0.361
6/23/2017 9:58:22 AM	307.001	4.279	10.803	0.358
6/23/2017 9:58:23 AM	308.001	4.277	10.802	0.361
6/23/2017 9:58:24 AM	309.001	4.280	10.822	0.356
6/23/2017 9:58:25 AM	310.001	4.282	10.796	0.351
6/23/2017 9:58:26 AM	311.001	4.277	10.827	0.361
6/23/2017 9:58:27 AM	312.001	4.281	10.840	0.353
6/23/2017 9:58:28 AM	313.001	4.281	10.813	0.354
6/23/2017 9:58:29 AM	314.001	4.280	10.817	0.355
6/23/2017 9:58:30 AM	315.001	4.281	10.795	0.352
6/23/2017 9:58:31 AM	316.001	4.280	10.830	0.356
6/23/2017 9:58:32 AM	317.001	4.279	10.790	0.356
6/23/2017 9:58:33 AM	318.001	4.277	10.814	0.361
6/23/2017 9:58:34 AM	319.001	4.279	10.816	0.356
6/23/2017 9:58:35 AM	320.001	4.279	10.808	0.358
6/23/2017 9:58:36 AM	321.001	4.276	10.845	0.364
6/23/2017 9:58:37 AM	322.001	4.279	10.827	0.358
6/23/2017 9:58:38 AM	323.001	4.280	10.806	0.354
6/23/2017 9:58:39 AM	324.001	4.280	10.799	0.355
6/23/2017 9:58:40 AM	325.001	4.281	10.792	0.354
6/23/2017 9:58:41 AM	326.001	4.278	10.811	0.360
6/23/2017 9:58:42 AM	327.001	4.280	10.818	0.355
6/23/2017 9:58:43 AM	328.001	4.280	10.833	0.355
6/23/2017 9:58:44 AM	329.001	4.280	10.822	0.354
6/23/2017 9:58:45 AM	330.001	4.278	10.806	0.359
6/23/2017 9:58:46 AM	331.001	4.278	10.840	0.359
6/23/2017 9:58:47 AM	332.001	4.280	10.811	0.356
6/23/2017 9:58:48 AM	333.001	4.279	10.836	0.358
6/23/2017 9:58:49 AM	334.001	4.282	10.804	0.351
6/23/2017 9:58:50 AM	335.001	4.277	10.808	0.361
6/23/2017 9:58:51 AM	336.001	4.278	10.825	0.359
6/23/2017 9:58:52 AM	337.001	4.280	10.833	0.355
6/23/2017 9:58:53 AM	338.001	4.282	10.813	0.350
6/23/2017 9:58:54 AM	339.001	4.278	10.822	0.360
6/23/2017 9:58:55 AM	340.001	4.277	10.836	0.362
6/23/2017 9:58:56 AM	341.001	4.279	10.806	0.358
6/23/2017 9:58:57 AM	342.001	4.275	10.814	0.365
6/23/2017 9:58:58 AM	343.001	4.277	10.830	0.361
6/23/2017 9:58:59 AM	344.001	4.280	10.822	0.356
6/23/2017 9:59:00 AM	345.001	4.280	10.841	0.354
6/23/2017 9:59:01 AM	346.001	4.280	10.824	0.354
6/23/2017 9:59:02 AM	347.001	4.279	10.818	0.357
6/23/2017 9:59:03 AM	348.001	4.279	10.812	0.357
6/23/2017 9:59:04 AM	349.001	4.279	10.796	0.356
6/23/2017 9:59:05 AM	350.001	4.281	10.823	0.352
6/23/2017 9:59:06 AM	351.001	4.280	10.844	0.354
6/23/2017 9:59:07 AM	352.001	4.281	10.824	0.354
6/23/2017 9:59:08 AM	353.001	4.279	10.794	0.358
6/23/2017 9:59:09 AM	354.001	4.278	10.780	0.360
6/23/2017 9:59:10 AM	355.001	4.279	10.797	0.357
6/23/2017 9:59:11 AM	356.001	4.281	10.806	0.352
6/23/2017 9:59:12 AM	357.001	4.279	10.835	0.358
6/23/2017 9:59:13 AM	358.001	4.279	10.797	0.357
6/23/2017 9:59:14 AM	359.001	4.282	10.803	0.351
6/23/2017 9:59:15 AM	360.001	4.280	10.800	0.354
6/23/2017 9:59:16 AM	361.001	4.279	10.838	0.356
6/23/2017 9:59:17 AM	362.001	4.280	10.811	0.355
6/23/2017 9:59:18 AM	363.001	4.279	10.807	0.357

6/23/2017 9:59:19 AM	364.001	4.281	10.835	0.352
6/23/2017 9:59:20 AM	365.001	4.279	10.789	0.357
6/23/2017 9:59:21 AM	366.001	4.277	10.793	0.361
6/23/2017 9:59:22 AM	367.001	4.282	10.824	0.349
6/23/2017 9:59:23 AM	368.001	4.281	10.843	0.352
6/23/2017 9:59:24 AM	369.001	4.278	10.819	0.358
6/23/2017 9:59:25 AM	370.001	4.281	10.827	0.352
6/23/2017 9:59:26 AM	371.001	4.278	10.822	0.359
6/23/2017 9:59:27 AM	372.001	4.283	10.831	0.349
6/23/2017 9:59:28 AM	373.001	4.278	10.829	0.360
6/23/2017 9:59:29 AM	374.001	4.280	10.808	0.356
6/23/2017 9:59:30 AM	375.001	4.279	10.827	0.356
6/23/2017 9:59:31 AM	376.001	4.281	10.841	0.354
6/23/2017 9:59:32 AM	377.001	4.280	10.805	0.354
6/23/2017 9:59:33 AM	378.001	4.278	10.818	0.359
6/23/2017 9:59:34 AM	379.001	4.280	10.799	0.355
6/23/2017 9:59:35 AM	380.001	4.280	10.788	0.354
6/23/2017 9:59:36 AM	381.001	4.280	10.802	0.356
6/23/2017 9:59:37 AM	382.001	4.281	10.798	0.352
6/23/2017 9:59:38 AM	383.001	4.280	10.805	0.354
6/23/2017 9:59:39 AM	384.001	4.280	10.801	0.354
6/23/2017 9:59:40 AM	385.001	4.279	10.793	0.356
6/23/2017 9:59:41 AM	386.001	4.278	10.830	0.359
6/23/2017 9:59:42 AM	387.001	4.281	10.821	0.353
6/23/2017 9:59:43 AM	388.001	4.281	10.844	0.352
6/23/2017 9:59:44 AM	389.001	4.280	10.824	0.354
6/23/2017 9:59:45 AM	390.001	4.278	10.805	0.360
6/23/2017 9:59:46 AM	391.001	4.279	10.838	0.358
6/23/2017 9:59:47 AM	392.001	4.281	10.818	0.353
6/23/2017 9:59:48 AM	393.001	4.283	10.815	0.348
6/23/2017 9:59:49 AM	394.001	4.279	10.802	0.356
6/23/2017 9:59:50 AM	395.001	4.281	10.812	0.353
6/23/2017 9:59:51 AM	396.001	4.282	10.815	0.351
6/23/2017 9:59:52 AM	397.001	4.279	10.771	0.356
6/23/2017 9:59:53 AM	398.001	4.280	10.785	0.354
6/23/2017 9:59:54 AM	399.001	4.279	10.849	0.356
6/23/2017 9:59:55 AM	400.025	4.279	10.837	0.357
6/23/2017 9:59:56 AM	401.001	4.281	10.819	0.353
6/23/2017 9:59:57 AM	402.001	4.282	10.823	0.351
6/23/2017 9:59:58 AM	403.001	4.283	10.830	0.349
6/23/2017 9:59:59 AM	404.001	4.280	10.816	0.354
6/23/2017 10:00:00 AM	405.001	4.280	10.813	0.355
6/23/2017 10:00:01 AM	406.001	4.281	10.838	0.352
6/23/2017 10:00:02 AM	407.001	4.281	10.833	0.353
6/23/2017 10:00:03 AM	408.001	4.280	10.824	0.354
6/23/2017 10:00:04 AM	409.001	4.281	10.796	0.353
6/23/2017 10:00:05 AM	410.001	4.279	10.805	0.357
6/23/2017 10:00:06 AM	411.001	4.280	10.836	0.355
6/23/2017 10:00:07 AM	412.001	4.280	10.824	0.356
6/23/2017 10:00:08 AM	413.001	4.283	10.810	0.349
6/23/2017 10:00:09 AM	414.001	4.277	10.812	0.361
6/23/2017 10:00:10 AM	415.001	4.284	10.819	0.347
6/23/2017 10:00:11 AM	416.001	4.280	10.810	0.354
6/23/2017 10:00:12 AM	417.001	4.281	10.807	0.352
6/23/2017 10:00:13 AM	418.001	4.279	10.808	0.358
6/23/2017 10:00:14 AM	419.001	4.281	10.801	0.353
6/23/2017 10:00:15 AM	420.001	4.282	10.815	0.351
6/23/2017 10:00:16 AM	421.001	4.280	10.847	0.354
6/23/2017 10:00:17 AM	422.001	4.281	10.819	0.352
6/23/2017 10:00:18 AM	423.001	4.279	10.799	0.356
6/23/2017 10:00:19 AM	424.001	4.281	10.825	0.354
6/23/2017 10:00:20 AM	425.001	4.280	10.815	0.354
6/23/2017 10:00:21 AM	426.001	4.280	10.815	0.355

6/23/2017 10:00:22 AM	427.001	4.282	10.803	0.351
6/23/2017 10:00:23 AM	428.001	4.280	10.813	0.354
6/23/2017 10:00:24 AM	429.001	4.280	10.833	0.354
6/23/2017 10:00:25 AM	430.001	4.281	10.810	0.354
6/23/2017 10:00:26 AM	431.001	4.283	10.819	0.348
6/23/2017 10:00:27 AM	432.001	4.278	10.793	0.359
6/23/2017 10:00:28 AM	433.001	4.281	10.833	0.353
6/23/2017 10:00:29 AM	434.001	4.281	10.841	0.352
6/23/2017 10:00:30 AM	435.001	4.280	10.810	0.355
6/23/2017 10:00:31 AM	436.001	4.282	10.824	0.350
6/23/2017 10:00:32 AM	437.001	4.282	10.845	0.349
6/23/2017 10:00:33 AM	438.001	4.283	10.816	0.347
6/23/2017 10:00:34 AM	439.001	4.279	10.833	0.357
6/23/2017 10:00:35 AM	440.001	4.281	10.822	0.352
6/23/2017 10:00:36 AM	441.001	4.280	10.828	0.354
6/23/2017 10:00:37 AM	442.001	4.282	10.838	0.350
6/23/2017 10:00:38 AM	443.001	4.280	10.833	0.354
6/23/2017 10:00:39 AM	444.001	4.283	10.824	0.348
6/23/2017 10:00:40 AM	445.001	4.283	10.823	0.348
6/23/2017 10:00:41 AM	446.001	4.277	10.822	0.362
6/23/2017 10:00:42 AM	447.001	4.282	10.825	0.350
6/23/2017 10:00:43 AM	448.001	4.282	10.827	0.350
6/23/2017 10:00:44 AM	449.001	4.280	10.853	0.355
6/23/2017 10:00:45 AM	450.001	4.281	10.830	0.353
6/23/2017 10:00:46 AM	451.001	4.282	10.828	0.350
6/23/2017 10:00:47 AM	452.001	4.279	10.826	0.357
6/23/2017 10:00:48 AM	453.001	4.281	10.824	0.352
6/23/2017 10:00:49 AM	454.001	4.280	10.825	0.355
6/23/2017 10:00:50 AM	455.001	4.280	10.812	0.354
6/23/2017 10:00:51 AM	456.001	4.281	10.830	0.352
6/23/2017 10:00:52 AM	457.001	4.280	10.798	0.356
6/23/2017 10:00:53 AM	458.001	4.283	10.796	0.348
6/23/2017 10:00:54 AM	459.001	4.280	10.802	0.355
6/23/2017 10:00:55 AM	460.122	4.281	10.854	0.353
6/23/2017 10:00:56 AM	461.001	4.279	10.798	0.357
6/23/2017 10:00:57 AM	462.001	4.281	10.822	0.353
6/23/2017 10:00:58 AM	463.001	4.281	10.846	0.353
6/23/2017 10:00:59 AM	464.001	4.280	10.826	0.356
6/23/2017 10:01:00 AM	465.001	4.282	10.813	0.351
6/23/2017 10:01:01 AM	466.001	4.278	10.833	0.359
6/23/2017 10:01:02 AM	467.001	4.281	10.817	0.352
6/23/2017 10:01:03 AM	468.001	4.283	10.815	0.349
6/23/2017 10:01:04 AM	469.001	4.281	10.830	0.354
6/23/2017 10:01:05 AM	470.001	4.278	10.817	0.359
6/23/2017 10:01:06 AM	471.001	4.282	10.830	0.350
6/23/2017 10:01:07 AM	472.001	4.280	10.840	0.354
6/23/2017 10:01:08 AM	473.001	4.281	10.838	0.353
6/23/2017 10:01:09 AM	474.001	4.281	10.830	0.352
6/23/2017 10:01:10 AM	475.001	4.281	10.826	0.353
6/23/2017 10:01:11 AM	476.001	4.279	10.835	0.357
6/23/2017 10:01:12 AM	477.001	4.279	10.820	0.357
6/23/2017 10:01:13 AM	478.001	4.281	10.813	0.353
6/23/2017 10:01:14 AM	479.001	4.281	10.836	0.352
6/23/2017 10:01:15 AM	480.001	4.282	10.832	0.349
6/23/2017 10:01:16 AM	481.061	4.283	10.849	0.348
6/23/2017 10:01:17 AM	482.001	4.284	10.839	0.346
6/23/2017 10:01:18 AM	483.001	4.281	10.839	0.353
6/23/2017 10:01:19 AM	484.001	4.276	10.816	0.364
6/23/2017 10:01:20 AM	485.001	4.279	10.823	0.357
6/23/2017 10:01:21 AM	486.001	4.280	10.818	0.356
6/23/2017 10:01:22 AM	487.001	4.280	10.820	0.354
6/23/2017 10:01:23 AM	488.001	4.282	10.815	0.350
6/23/2017 10:01:24 AM	489.001	4.282	10.828	0.351

6/23/2017 10:01:25 AM	490.001	4.283	10.821	0.348
6/23/2017 10:01:26 AM	491.061	4.283	10.851	0.348
6/23/2017 10:01:27 AM	492.001	4.282	10.838	0.350
6/23/2017 10:01:28 AM	493.001	4.282	10.830	0.351
6/23/2017 10:01:29 AM	494.001	4.278	10.844	0.359
6/23/2017 10:01:30 AM	495.001	4.280	10.822	0.356
6/23/2017 10:01:31 AM	496.001	4.283	10.816	0.349
6/23/2017 10:01:32 AM	497.001	4.283	10.819	0.348
6/23/2017 10:01:33 AM	498.001	4.279	10.830	0.356
6/23/2017 10:01:34 AM	499.001	4.281	10.813	0.352
6/23/2017 10:01:35 AM	500.001	4.282	10.829	0.350
6/23/2017 10:01:36 AM	501.060	4.281	10.830	0.353
6/23/2017 10:01:37 AM	502.001	4.279	10.837	0.357
6/23/2017 10:01:38 AM	503.001	4.280	10.830	0.355
6/23/2017 10:01:39 AM	504.001	4.281	10.810	0.352
6/23/2017 10:01:40 AM	505.001	4.281	10.802	0.352
6/23/2017 10:01:41 AM	506.001	4.282	10.813	0.349
6/23/2017 10:01:42 AM	507.001	4.280	10.838	0.354
6/23/2017 10:01:43 AM	508.001	4.281	10.833	0.353
6/23/2017 10:01:44 AM	509.001	4.281	10.833	0.352
6/23/2017 10:01:45 AM	510.023	4.283	10.837	0.349
6/23/2017 10:01:46 AM	511.001	4.283	10.852	0.348
6/23/2017 10:01:47 AM	512.001	4.282	10.827	0.349
6/23/2017 10:01:48 AM	513.001	4.283	10.860	0.349
6/23/2017 10:01:49 AM	514.001	4.281	10.796	0.352
6/23/2017 10:01:50 AM	515.001	4.281	10.830	0.352
6/23/2017 10:01:51 AM	516.001	4.281	10.821	0.353
6/23/2017 10:01:52 AM	517.001	4.280	10.846	0.355
6/23/2017 10:01:53 AM	518.001	4.279	10.824	0.358
6/23/2017 10:01:54 AM	519.001	4.280	10.842	0.355
6/23/2017 10:01:55 AM	520.120	4.283	10.861	0.348
6/23/2017 10:01:56 AM	521.001	4.283	10.815	0.349
6/23/2017 10:01:57 AM	522.001	4.281	10.833	0.352
6/23/2017 10:01:58 AM	523.001	4.283	10.844	0.348
6/23/2017 10:01:59 AM	524.001	4.279	10.855	0.357
6/23/2017 10:02:00 AM	525.001	4.280	10.837	0.354
6/23/2017 10:02:01 AM	526.001	4.284	10.801	0.346
6/23/2017 10:02:02 AM	527.001	4.282	10.841	0.350
6/23/2017 10:02:03 AM	528.001	4.278	10.832	0.359
6/23/2017 10:02:04 AM	529.001	4.281	10.847	0.352
6/23/2017 10:02:05 AM	530.001	4.281	10.794	0.353
6/23/2017 10:02:06 AM	531.001	4.280	10.847	0.355
6/23/2017 10:02:07 AM	532.001	4.281	10.838	0.352
6/23/2017 10:02:08 AM	533.001	4.279	10.823	0.356
6/23/2017 10:02:09 AM	534.001	4.280	10.830	0.355
6/23/2017 10:02:10 AM	535.001	4.280	10.869	0.354
6/23/2017 10:02:11 AM	536.001	4.282	10.832	0.351
6/23/2017 10:02:12 AM	537.001	4.283	10.844	0.348
6/23/2017 10:02:13 AM	538.001	4.282	10.813	0.351
6/23/2017 10:02:14 AM	539.001	4.279	10.843	0.356
6/23/2017 10:02:15 AM	540.001	4.280	10.810	0.354
6/23/2017 10:02:16 AM	541.056	4.283	10.827	0.348
6/23/2017 10:02:17 AM	542.001	4.281	10.848	0.353
6/23/2017 10:02:18 AM	543.001	4.279	10.822	0.357
6/23/2017 10:02:19 AM	544.001	4.281	10.832	0.353
6/23/2017 10:02:20 AM	545.001	4.279	10.870	0.356
6/23/2017 10:02:21 AM	546.001	4.281	10.812	0.352
6/23/2017 10:02:22 AM	547.001	4.283	10.826	0.348
6/23/2017 10:02:23 AM	548.001	4.281	10.852	0.353
6/23/2017 10:02:24 AM	549.001	4.280	10.833	0.356
6/23/2017 10:02:25 AM	550.001	4.281	10.849	0.353
6/23/2017 10:02:26 AM	551.057	4.282	10.876	0.350
6/23/2017 10:02:27 AM	552.001	4.280	10.839	0.355

6/23/2017 10:02:28 AM	553.001	4.280	10.863	0.355
6/23/2017 10:02:29 AM	554.001	4.280	10.822	0.354
6/23/2017 10:02:30 AM	555.001	4.281	10.849	0.352
6/23/2017 10:02:31 AM	556.001	4.279	10.841	0.357
6/23/2017 10:02:32 AM	557.001	4.280	10.868	0.354
6/23/2017 10:02:33 AM	558.001	4.280	10.843	0.355
6/23/2017 10:02:34 AM	559.001	4.280	10.829	0.355
6/23/2017 10:02:35 AM	560.001	4.283	10.839	0.348
6/23/2017 10:02:36 AM	561.058	4.281	10.863	0.353
6/23/2017 10:02:37 AM	562.001	4.281	10.859	0.352
6/23/2017 10:02:38 AM	563.001	4.282	10.829	0.350
6/23/2017 10:02:39 AM	564.001	4.282	10.881	0.351
6/23/2017 10:02:40 AM	565.001	4.282	10.842	0.351
6/23/2017 10:02:41 AM	566.001	4.281	10.857	0.352
6/23/2017 10:02:42 AM	567.001	4.283	10.831	0.348
6/23/2017 10:02:43 AM	568.001	4.280	10.847	0.355
6/23/2017 10:02:44 AM	569.001	4.279	10.848	0.358
6/23/2017 10:02:45 AM	570.019	4.281	10.850	0.352
6/23/2017 10:02:46 AM	571.001	4.281	10.858	0.352
6/23/2017 10:02:47 AM	572.001	4.280	10.855	0.355
6/23/2017 10:02:48 AM	573.001	4.278	10.855	0.360
6/23/2017 10:02:49 AM	574.001	4.282	10.819	0.350
6/23/2017 10:02:50 AM	575.001	4.279	10.835	0.357
6/23/2017 10:02:51 AM	576.001	4.282	10.844	0.351
6/23/2017 10:02:52 AM	577.001	4.280	10.857	0.354
6/23/2017 10:02:53 AM	578.001	4.282	10.830	0.350
6/23/2017 10:02:54 AM	579.001	4.278	10.855	0.360
6/23/2017 10:02:55 AM	580.214	4.282	10.858	0.350
6/23/2017 10:02:56 AM	581.001	4.282	10.897	0.351
6/23/2017 10:02:57 AM	582.001	4.280	10.888	0.356
6/23/2017 10:02:58 AM	583.001	4.282	10.855	0.351
6/23/2017 10:02:59 AM	584.001	4.282	10.848	0.350
6/23/2017 10:03:00 AM	585.001	4.278	10.857	0.359
6/23/2017 10:03:01 AM	586.001	4.280	10.858	0.355
6/23/2017 10:03:02 AM	587.001	4.278	10.828	0.360
6/23/2017 10:03:03 AM	588.001	4.281	10.840	0.353
6/23/2017 10:03:04 AM	589.001	4.280	10.846	0.356
6/23/2017 10:03:05 AM	590.001	4.282	10.861	0.351
6/23/2017 10:03:06 AM	591.001	4.279	10.892	0.357
6/23/2017 10:03:07 AM	592.001	4.280	10.872	0.354
6/23/2017 10:03:08 AM	593.001	4.282	10.847	0.351
6/23/2017 10:03:09 AM	594.001	4.282	10.845	0.350
6/23/2017 10:03:10 AM	595.001	4.282	10.855	0.350
6/23/2017 10:03:11 AM	596.001	4.281	10.840	0.352
6/23/2017 10:03:12 AM	597.001	4.282	10.844	0.350
6/23/2017 10:03:13 AM	598.001	4.282	10.849	0.350
6/23/2017 10:03:14 AM	599.001	4.279	10.845	0.358
6/23/2017 10:03:15 AM	600.001	4.282	10.849	0.350
6/23/2017 10:03:16 AM	601.152	4.284	10.863	0.347
6/23/2017 10:03:17 AM	602.001	4.280	10.857	0.354
6/23/2017 10:03:18 AM	603.001	4.281	10.853	0.353
6/23/2017 10:03:19 AM	604.001	4.279	10.865	0.356
6/23/2017 10:03:20 AM	605.001	4.280	10.831	0.354
6/23/2017 10:03:21 AM	606.001	4.280	10.856	0.355
6/23/2017 10:03:22 AM	607.001	4.281	10.846	0.353
6/23/2017 10:03:23 AM	608.001	4.280	10.872	0.356
6/23/2017 10:03:24 AM	609.001	4.283	10.865	0.347
6/23/2017 10:03:25 AM	610.001	4.281	10.877	0.353
6/23/2017 10:03:26 AM	611.153	4.282	10.869	0.350
6/23/2017 10:03:27 AM	612.001	4.283	10.859	0.348
6/23/2017 10:03:28 AM	613.001	4.281	10.848	0.351
6/23/2017 10:03:29 AM	614.001	4.278	10.841	0.361
6/23/2017 10:03:30 AM	615.001	4.281	10.850	0.353

6/23/2017 10:03:31 AM	616.001	4.280	10.888	0.354
6/23/2017 10:03:32 AM	617.001	4.284	10.861	0.347
6/23/2017 10:03:33 AM	618.001	4.278	10.863	0.360
6/23/2017 10:03:34 AM	619.001	4.281	10.867	0.352
6/23/2017 10:03:35 AM	620.001	4.280	10.878	0.355
6/23/2017 10:03:36 AM	621.153	4.282	10.893	0.350
6/23/2017 10:03:37 AM	622.001	4.279	10.860	0.358
6/23/2017 10:03:38 AM	623.001	4.280	10.895	0.354
6/23/2017 10:03:39 AM	624.001	4.281	10.849	0.353
6/23/2017 10:03:40 AM	625.001	4.280	10.866	0.355
6/23/2017 10:03:41 AM	626.001	4.277	10.862	0.362
6/23/2017 10:03:42 AM	627.001	4.280	10.853	0.355
6/23/2017 10:03:43 AM	628.001	4.278	10.888	0.359
6/23/2017 10:03:44 AM	629.001	4.280	10.856	0.356
6/23/2017 10:03:45 AM	630.114	4.282	10.866	0.351
6/23/2017 10:03:46 AM	631.001	4.280	10.843	0.356
6/23/2017 10:03:47 AM	632.001	4.279	10.855	0.358
6/23/2017 10:03:48 AM	633.001	4.279	10.860	0.357
6/23/2017 10:03:49 AM	634.001	4.280	10.889	0.355
6/23/2017 10:03:50 AM	635.001	4.278	10.849	0.361
6/23/2017 10:03:51 AM	636.001	4.281	10.879	0.352
6/23/2017 10:03:52 AM	637.001	4.280	10.863	0.356
6/23/2017 10:03:53 AM	638.001	4.282	10.888	0.350
6/23/2017 10:03:54 AM	639.001	4.279	10.863	0.358
6/23/2017 10:03:55 AM	640.214	4.283	10.882	0.348
6/23/2017 10:03:56 AM	641.001	4.281	10.859	0.353
6/23/2017 10:03:57 AM	642.001	4.280	10.890	0.355
6/23/2017 10:03:58 AM	643.001	4.279	10.873	0.357
6/23/2017 10:03:59 AM	644.001	4.280	10.865	0.354
6/23/2017 10:04:00 AM	645.001	4.280	10.873	0.356
6/23/2017 10:04:01 AM	646.001	4.282	10.880	0.351
6/23/2017 10:04:02 AM	647.001	4.280	10.849	0.355
6/23/2017 10:04:03 AM	648.001	4.282	10.874	0.351
6/23/2017 10:04:04 AM	649.001	4.279	10.840	0.356
6/23/2017 10:04:05 AM	650.001	4.282	10.846	0.350
6/23/2017 10:04:06 AM	651.001	4.281	10.888	0.354
6/23/2017 10:04:07 AM	652.001	4.278	10.897	0.359
6/23/2017 10:04:08 AM	653.001	4.281	10.877	0.354
6/23/2017 10:04:09 AM	654.001	4.278	10.863	0.360
6/23/2017 10:04:10 AM	655.001	4.279	10.856	0.357
6/23/2017 10:04:11 AM	656.001	4.281	10.846	0.353
6/23/2017 10:04:12 AM	657.001	4.282	10.866	0.349
6/23/2017 10:04:13 AM	658.001	4.280	10.867	0.355
6/23/2017 10:04:14 AM	659.001	4.278	10.865	0.360
6/23/2017 10:04:15 AM	660.001	4.280	10.868	0.355
6/23/2017 10:04:16 AM	661.153	4.281	10.887	0.354
6/23/2017 10:04:17 AM	662.001	4.281	10.849	0.353
6/23/2017 10:04:18 AM	663.001	4.280	10.874	0.355
6/23/2017 10:04:19 AM	664.001	4.277	10.861	0.362
6/23/2017 10:04:20 AM	665.001	4.283	10.882	0.348
6/23/2017 10:04:21 AM	666.001	4.280	10.867	0.354
6/23/2017 10:04:22 AM	667.001	4.281	10.858	0.354
6/23/2017 10:04:23 AM	668.001	4.280	10.835	0.356
6/23/2017 10:04:24 AM	669.001	4.277	10.888	0.361
6/23/2017 10:04:25 AM	670.001	4.278	10.872	0.359
6/23/2017 10:04:26 AM	671.154	4.281	10.890	0.353
6/23/2017 10:04:27 AM	672.001	4.281	10.877	0.352
6/23/2017 10:04:28 AM	673.001	4.282	10.855	0.350
6/23/2017 10:04:29 AM	674.001	4.280	10.895	0.355
6/23/2017 10:04:30 AM	675.001	4.282	10.864	0.351
6/23/2017 10:04:31 AM	676.001	4.280	10.883	0.355
6/23/2017 10:04:32 AM	677.001	4.282	10.900	0.351
6/23/2017 10:04:33 AM	678.001	4.281	10.864	0.352

6/23/2017 10:04:34 AM	679.001	4.278	10.880	0.359
6/23/2017 10:04:35 AM	680.001	4.282	10.861	0.351
6/23/2017 10:04:36 AM	681.154	4.280	10.907	0.355
6/23/2017 10:04:37 AM	682.001	4.280	10.888	0.355
6/23/2017 10:04:38 AM	683.001	4.280	10.885	0.354
6/23/2017 10:04:39 AM	684.001	4.281	10.863	0.352
6/23/2017 10:04:40 AM	685.001	4.279	10.884	0.356
6/23/2017 10:04:41 AM	686.001	4.281	10.864	0.354
6/23/2017 10:04:42 AM	687.001	4.282	10.844	0.351
6/23/2017 10:04:43 AM	688.001	4.281	10.869	0.354
6/23/2017 10:04:44 AM	689.001	4.282	10.860	0.350
6/23/2017 10:04:45 AM	690.115	4.282	10.859	0.351
6/23/2017 10:04:46 AM	691.001	4.280	10.871	0.355
6/23/2017 10:04:47 AM	692.001	4.280	10.879	0.355
6/23/2017 10:04:48 AM	693.001	4.280	10.898	0.355
6/23/2017 10:04:49 AM	694.001	4.279	10.894	0.358
6/23/2017 10:04:50 AM	695.001	4.279	10.859	0.356
6/23/2017 10:04:51 AM	696.001	4.279	10.863	0.356
6/23/2017 10:04:52 AM	697.001	4.281	10.882	0.353
6/23/2017 10:04:53 AM	698.001	4.281	10.854	0.354
6/23/2017 10:04:54 AM	699.001	4.278	10.881	0.359
6/23/2017 10:04:56 AM	700.309	4.277	10.876	0.361
6/23/2017 10:04:56 AM	701.001	4.282	10.904	0.350
6/23/2017 10:04:57 AM	702.001	4.281	10.904	0.354
6/23/2017 10:04:58 AM	703.001	4.280	10.902	0.355
6/23/2017 10:04:59 AM	704.001	4.279	10.880	0.357
6/23/2017 10:05:00 AM	705.001	4.282	10.905	0.350
6/23/2017 10:05:01 AM	706.001	4.279	10.910	0.356
6/23/2017 10:05:02 AM	707.001	4.281	10.905	0.352
6/23/2017 10:05:03 AM	708.001	4.278	10.886	0.359
6/23/2017 10:05:04 AM	709.001	4.281	10.886	0.352
6/23/2017 10:05:05 AM	710.001	4.279	10.906	0.357
6/23/2017 10:05:06 AM	711.001	4.280	10.920	0.356
6/23/2017 10:05:07 AM	712.001	4.280	10.897	0.354
6/23/2017 10:05:08 AM	713.001	4.282	10.877	0.350
6/23/2017 10:05:09 AM	714.001	4.281	10.899	0.354
6/23/2017 10:05:10 AM	715.001	4.278	10.907	0.359
6/23/2017 10:05:11 AM	716.001	4.279	10.891	0.358
6/23/2017 10:05:12 AM	717.001	4.280	10.897	0.354
6/23/2017 10:05:13 AM	718.001	4.281	10.872	0.353
6/23/2017 10:05:14 AM	719.001	4.281	10.896	0.354
6/23/2017 10:05:15 AM	720.001	4.279	10.908	0.357
6/23/2017 10:05:16 AM	721.001	4.281	10.888	0.352
6/23/2017 10:05:17 AM	722.001	4.281	10.909	0.352
6/23/2017 10:05:18 AM	723.001	4.280	10.899	0.355
6/23/2017 10:05:19 AM	724.001	4.280	10.930	0.355
6/23/2017 10:05:20 AM	725.001	4.282	10.904	0.350
6/23/2017 10:05:21 AM	726.001	4.278	10.923	0.360
6/23/2017 10:05:22 AM	727.001	4.277	10.911	0.361
6/23/2017 10:05:23 AM	728.001	4.282	10.867	0.350
6/23/2017 10:05:24 AM	729.001	4.281	10.906	0.353
6/23/2017 10:05:25 AM	730.001	4.279	10.875	0.357
6/23/2017 10:05:26 AM	731.001	4.280	10.897	0.356
6/23/2017 10:05:27 AM	732.001	4.281	10.894	0.352
6/23/2017 10:05:28 AM	733.001	4.282	10.919	0.351
6/23/2017 10:05:29 AM	734.001	4.279	10.883	0.358
6/23/2017 10:05:30 AM	735.001	4.279	10.925	0.357
6/23/2017 10:05:31 AM	736.001	4.280	10.902	0.355
6/23/2017 10:05:32 AM	737.001	4.281	10.922	0.352
6/23/2017 10:05:33 AM	738.001	4.283	10.913	0.349
6/23/2017 10:05:34 AM	739.001	4.282	10.885	0.350
6/23/2017 10:05:35 AM	740.001	4.279	10.899	0.358
6/23/2017 10:05:36 AM	741.001	4.281	10.916	0.354

6/23/2017 10:05:37 AM	742.001	4.282	10.918	0.351
6/23/2017 10:05:38 AM	743.001	4.282	10.939	0.351
6/23/2017 10:05:39 AM	744.001	4.279	10.915	0.358
6/23/2017 10:05:40 AM	745.001	4.282	10.913	0.351
6/23/2017 10:05:41 AM	746.001	4.282	10.919	0.351
6/23/2017 10:05:42 AM	747.001	4.278	10.914	0.359
6/23/2017 10:05:43 AM	748.001	4.279	10.919	0.357
6/23/2017 10:05:44 AM	749.001	4.280	10.885	0.356
6/23/2017 10:05:45 AM	750.001	4.281	10.911	0.354
6/23/2017 10:05:46 AM	751.001	4.279	10.932	0.358
6/23/2017 10:05:47 AM	752.001	4.278	10.924	0.359
6/23/2017 10:05:48 AM	753.001	4.280	10.925	0.355
6/23/2017 10:05:49 AM	754.001	4.276	10.925	0.363
6/23/2017 10:05:50 AM	755.001	4.280	10.908	0.354
6/23/2017 10:05:51 AM	756.001	4.278	10.897	0.359
6/23/2017 10:05:52 AM	757.001	4.282	10.919	0.351
6/23/2017 10:05:53 AM	758.001	4.280	10.892	0.356
6/23/2017 10:05:54 AM	759.001	4.280	10.893	0.355
6/23/2017 10:05:55 AM	760.001	4.280	10.934	0.355
6/23/2017 10:05:56 AM	761.001	4.280	10.938	0.354
6/23/2017 10:05:57 AM	762.001	4.281	10.913	0.352
6/23/2017 10:05:58 AM	763.001	4.278	10.897	0.359
6/23/2017 10:05:59 AM	764.001	4.280	10.895	0.355
6/23/2017 10:06:00 AM	765.001	4.281	10.919	0.353
6/23/2017 10:06:01 AM	766.001	4.279	10.930	0.357
6/23/2017 10:06:02 AM	767.001	4.282	10.922	0.351
6/23/2017 10:06:03 AM	768.001	4.278	10.880	0.360
6/23/2017 10:06:04 AM	769.001	4.281	10.927	0.352
6/23/2017 10:06:05 AM	770.001	4.279	10.919	0.357
6/23/2017 10:06:06 AM	771.001	4.280	10.921	0.356
6/23/2017 10:06:07 AM	772.001	4.277	10.915	0.361
6/23/2017 10:06:08 AM	773.001	4.280	10.962	0.355
6/23/2017 10:06:09 AM	774.001	4.279	10.900	0.357
6/23/2017 10:06:10 AM	775.001	4.280	10.905	0.354
6/23/2017 10:06:11 AM	776.001	4.281	10.928	0.353
6/23/2017 10:06:12 AM	777.001	4.281	10.929	0.353
6/23/2017 10:06:13 AM	778.001	4.279	10.936	0.358
6/23/2017 10:06:14 AM	779.001	4.279	10.887	0.357
6/23/2017 10:06:15 AM	780.001	4.281	10.898	0.352
6/23/2017 10:06:16 AM	781.001	4.282	10.913	0.350
6/23/2017 10:06:17 AM	782.001	4.282	10.938	0.349
6/23/2017 10:06:18 AM	783.001	4.280	10.911	0.355
6/23/2017 10:06:19 AM	784.001	4.280	10.917	0.354
6/23/2017 10:06:20 AM	785.001	4.283	10.934	0.347
6/23/2017 10:06:21 AM	786.001	4.278	10.914	0.359
6/23/2017 10:06:22 AM	787.001	4.281	10.938	0.353
6/23/2017 10:06:23 AM	788.001	4.280	10.930	0.355
6/23/2017 10:06:24 AM	789.001	4.280	10.919	0.354
6/23/2017 10:06:25 AM	790.001	4.281	10.902	0.352
6/23/2017 10:06:26 AM	791.001	4.280	10.938	0.354
6/23/2017 10:06:27 AM	792.001	4.277	10.942	0.361
6/23/2017 10:06:28 AM	793.001	4.279	10.925	0.357
6/23/2017 10:06:29 AM	794.001	4.281	10.913	0.353
6/23/2017 10:06:30 AM	795.001	4.282	10.933	0.351
6/23/2017 10:06:31 AM	796.001	4.280	10.938	0.356
6/23/2017 10:06:32 AM	797.001	4.281	10.936	0.353
6/23/2017 10:06:33 AM	798.001	4.282	10.945	0.351
6/23/2017 10:06:34 AM	799.001	4.277	10.925	0.362
6/23/2017 10:06:35 AM	800.001	4.278	10.931	0.360
6/23/2017 10:06:36 AM	801.001	4.279	10.926	0.358
6/23/2017 10:06:37 AM	802.001	4.277	10.933	0.361
6/23/2017 10:06:38 AM	803.001	4.280	10.944	0.354
6/23/2017 10:06:39 AM	804.001	4.279	10.944	0.357

6/23/2017 10:06:40 AM	805.001	4.279	10.942	0.357
6/23/2017 10:06:41 AM	806.001	4.279	10.942	0.356
6/23/2017 10:06:42 AM	807.001	4.280	10.927	0.356
6/23/2017 10:06:43 AM	808.001	4.280	10.949	0.356
6/23/2017 10:06:44 AM	809.001	4.280	10.928	0.355
6/23/2017 10:06:45 AM	810.001	4.280	10.944	0.354
6/23/2017 10:06:46 AM	811.001	4.281	10.955	0.353
6/23/2017 10:06:47 AM	812.001	4.280	10.952	0.356
6/23/2017 10:06:48 AM	813.001	4.280	10.954	0.355
6/23/2017 10:06:49 AM	814.001	4.278	10.952	0.359
6/23/2017 10:06:50 AM	815.001	4.277	10.952	0.362
6/23/2017 10:06:51 AM	816.001	4.281	10.932	0.353
6/23/2017 10:06:52 AM	817.001	4.279	10.941	0.358
6/23/2017 10:06:53 AM	818.001	4.282	10.968	0.349
6/23/2017 10:06:54 AM	819.001	4.281	10.958	0.352
6/23/2017 10:06:55 AM	820.001	4.279	10.944	0.356
6/23/2017 10:06:56 AM	821.001	4.280	10.926	0.355
6/23/2017 10:06:57 AM	822.001	4.278	10.948	0.361
6/23/2017 10:06:58 AM	823.001	4.279	10.953	0.358
6/23/2017 10:06:59 AM	824.001	4.281	10.952	0.352
6/23/2017 10:07:00 AM	825.001	4.282	10.954	0.350
6/23/2017 10:07:01 AM	826.001	4.279	10.923	0.356
6/23/2017 10:07:02 AM	827.001	4.281	10.996	0.353
6/23/2017 10:07:03 AM	828.001	4.279	10.950	0.357
6/23/2017 10:07:04 AM	829.001	4.278	10.947	0.360
6/23/2017 10:07:05 AM	830.001	4.281	10.953	0.352
6/23/2017 10:07:06 AM	831.001	4.280	10.959	0.356
6/23/2017 10:07:07 AM	832.001	4.280	10.972	0.355
6/23/2017 10:07:08 AM	833.001	4.279	10.944	0.356
6/23/2017 10:07:09 AM	834.001	4.280	10.940	0.355
6/23/2017 10:07:10 AM	835.001	4.279	10.962	0.357
6/23/2017 10:07:11 AM	836.001	4.275	10.958	0.365
6/23/2017 10:07:12 AM	837.001	4.279	10.972	0.358
6/23/2017 10:07:13 AM	838.001	4.278	10.949	0.359
6/23/2017 10:07:14 AM	839.001	4.276	10.960	0.363
6/23/2017 10:07:15 AM	840.001	4.280	10.933	0.354
6/23/2017 10:07:16 AM	841.001	4.278	10.933	0.359
6/23/2017 10:07:17 AM	842.001	4.279	10.950	0.357
6/23/2017 10:07:18 AM	843.001	4.281	10.969	0.352
6/23/2017 10:07:19 AM	844.001	4.279	10.982	0.356
6/23/2017 10:07:20 AM	845.001	4.277	10.968	0.362
6/23/2017 10:07:21 AM	846.001	4.279	10.940	0.358
6/23/2017 10:07:22 AM	847.001	4.279	10.963	0.358
6/23/2017 10:07:23 AM	848.001	4.279	10.963	0.357
6/23/2017 10:07:24 AM	849.001	4.278	10.958	0.359
6/23/2017 10:07:25 AM	850.001	4.279	10.936	0.358
6/23/2017 10:07:26 AM	851.001	4.278	10.955	0.359
6/23/2017 10:07:27 AM	852.001	4.279	10.963	0.357
6/23/2017 10:07:28 AM	853.001	4.280	10.952	0.354
6/23/2017 10:07:29 AM	854.001	4.280	10.953	0.355
6/23/2017 10:07:30 AM	855.001	4.278	10.960	0.360
6/23/2017 10:07:31 AM	856.001	4.281	10.963	0.353
6/23/2017 10:07:32 AM	857.001	4.279	10.942	0.356
6/23/2017 10:07:33 AM	858.001	4.281	10.999	0.354
6/23/2017 10:07:34 AM	859.001	4.281	10.981	0.354
6/23/2017 10:07:35 AM	860.001	4.279	10.952	0.358
6/23/2017 10:07:36 AM	861.001	4.277	10.956	0.362
6/23/2017 10:07:37 AM	862.001	4.280	10.965	0.355
6/23/2017 10:07:38 AM	863.001	4.280	10.992	0.354
6/23/2017 10:07:39 AM	864.001	4.281	10.961	0.353
6/23/2017 10:07:40 AM	865.001	4.280	10.944	0.355
6/23/2017 10:07:41 AM	866.001	4.278	11.041	0.360
6/23/2017 10:07:42 AM	867.001	4.278	10.983	0.360

6/23/2017 10:07:43 AM	868.001	4.278	10.954	0.359
6/23/2017 10:07:44 AM	869.001	4.277	11.001	0.361
6/23/2017 10:07:45 AM	870.001	4.277	10.970	0.361
6/23/2017 10:07:46 AM	871.001	4.279	10.954	0.357
6/23/2017 10:07:47 AM	872.001	4.279	10.985	0.358
6/23/2017 10:07:48 AM	873.040	4.278	11.007	0.358
6/23/2017 10:07:49 AM	874.001	4.277	10.977	0.362
6/23/2017 10:07:50 AM	875.164	4.280	10.986	0.355
6/23/2017 10:07:51 AM	876.001	4.278	10.980	0.359
6/23/2017 10:07:52 AM	877.001	4.278	10.993	0.358
6/23/2017 10:07:53 AM	878.001	4.277	10.977	0.362
6/23/2017 10:07:54 AM	879.127	4.280	10.999	0.354
6/23/2017 10:07:55 AM	880.018	4.280	11.013	0.356
6/23/2017 10:07:56 AM	881.001	4.276	11.013	0.364
6/23/2017 10:07:57 AM	882.001	4.275	11.002	0.365
6/23/2017 10:07:58 AM	883.001	4.275	10.980	0.366
6/23/2017 10:07:59 AM	884.046	4.281	11.019	0.352
6/23/2017 10:08:00 AM	885.001	4.278	10.991	0.360
6/23/2017 10:08:01 AM	886.001	4.280	10.981	0.354
6/23/2017 10:08:02 AM	887.001	4.278	10.982	0.359
6/23/2017 10:08:03 AM	888.046	4.279	11.022	0.356
6/23/2017 10:08:04 AM	889.001	4.273	10.991	0.370
6/23/2017 10:08:05 AM	890.001	4.277	11.056	0.361
6/23/2017 10:08:06 AM	891.001	4.278	10.993	0.360
6/23/2017 10:08:07 AM	892.001	4.278	10.996	0.359
6/23/2017 10:08:08 AM	893.001	4.277	11.018	0.361
6/23/2017 10:08:09 AM	894.001	4.278	10.979	0.359
6/23/2017 10:08:10 AM	895.001	4.279	11.012	0.357
6/23/2017 10:08:11 AM	896.001	4.277	10.992	0.362
6/23/2017 10:08:12 AM	897.001	4.278	11.013	0.360
6/23/2017 10:08:13 AM	898.001	4.275	10.958	0.366
6/23/2017 10:08:14 AM	899.001	4.276	11.005	0.365
6/23/2017 10:08:15 AM	900.001	4.275	10.988	0.366
6/23/2017 10:08:16 AM	901.001	4.276	10.978	0.364
6/23/2017 10:08:17 AM	902.001	4.277	10.972	0.362
6/23/2017 10:08:18 AM	903.001	4.275	10.988	0.365
6/23/2017 10:08:19 AM	904.001	4.278	10.977	0.360
6/23/2017 10:08:20 AM	905.001	4.279	10.993	0.358
6/23/2017 10:08:21 AM	906.001	4.277	10.967	0.363
6/23/2017 10:08:22 AM	907.001	4.279	11.036	0.357
6/23/2017 10:08:23 AM	908.001	4.275	10.971	0.366
6/23/2017 10:08:24 AM	909.001	4.279	11.008	0.358
6/23/2017 10:08:25 AM	910.001	4.276	10.991	0.364
6/23/2017 10:08:26 AM	911.001	4.279	10.987	0.358
6/23/2017 10:08:27 AM	912.001	4.277	11.005	0.362
6/23/2017 10:08:28 AM	913.001	4.276	10.972	0.363
6/23/2017 10:08:29 AM	914.001	4.277	11.011	0.362
6/23/2017 10:08:30 AM	915.001	4.276	11.026	0.365
6/23/2017 10:08:31 AM	916.001	4.278	10.989	0.361
6/23/2017 10:08:32 AM	917.001	4.278	11.014	0.359
6/23/2017 10:08:33 AM	918.001	4.277	11.001	0.361
6/23/2017 10:08:34 AM	919.001	4.277	10.994	0.362
6/23/2017 10:08:35 AM	920.001	4.275	10.992	0.367
6/23/2017 10:08:36 AM	921.001	4.279	10.981	0.358
6/23/2017 10:08:37 AM	922.001	4.276	10.991	0.364
6/23/2017 10:08:38 AM	923.001	4.277	11.011	0.363
6/23/2017 10:08:39 AM	924.001	4.278	10.995	0.360
6/23/2017 10:08:40 AM	925.001	4.276	11.007	0.365
6/23/2017 10:08:41 AM	926.001	4.280	10.994	0.354
6/23/2017 10:08:42 AM	927.001	4.278	10.981	0.359
6/23/2017 10:08:43 AM	928.001	4.277	11.030	0.361
6/23/2017 10:08:44 AM	929.001	4.278	11.002	0.360
6/23/2017 10:08:45 AM	930.001	4.275	11.005	0.368

6/23/2017 10:08:46 AM	931.001	4.278	11.015	0.359
6/23/2017 10:08:47 AM	932.001	4.277	10.995	0.362
6/23/2017 10:08:48 AM	933.001	4.276	10.985	0.364
6/23/2017 10:08:49 AM	934.001	4.280	11.014	0.356
6/23/2017 10:08:50 AM	935.001	4.279	10.989	0.358
6/23/2017 10:08:51 AM	936.001	4.278	11.009	0.361
6/23/2017 10:08:52 AM	937.001	4.278	11.047	0.360
6/23/2017 10:08:53 AM	938.001	4.278	11.020	0.359
6/23/2017 10:08:54 AM	939.001	4.277	11.002	0.362
6/23/2017 10:08:55 AM	940.001	4.277	11.011	0.362
6/23/2017 10:08:56 AM	941.001	4.275	11.011	0.366
6/23/2017 10:08:57 AM	942.001	4.280	10.987	0.355
6/23/2017 10:08:58 AM	943.001	4.278	11.026	0.359
6/23/2017 10:08:59 AM	944.001	4.279	11.006	0.358
6/23/2017 10:09:00 AM	945.001	4.278	11.014	0.359
6/23/2017 10:09:01 AM	946.001	4.280	11.054	0.356
6/23/2017 10:09:02 AM	947.001	4.279	10.984	0.357
6/23/2017 10:09:03 AM	948.001	4.276	11.022	0.365
6/23/2017 10:09:04 AM	949.001	4.279	11.032	0.358
6/23/2017 10:09:05 AM	950.001	4.280	11.018	0.356
6/23/2017 10:09:06 AM	951.001	4.276	11.024	0.363
6/23/2017 10:09:07 AM	952.001	4.276	11.027	0.364
6/23/2017 10:09:08 AM	953.001	4.277	10.983	0.361
6/23/2017 10:09:09 AM	954.001	4.276	10.993	0.364
6/23/2017 10:09:10 AM	955.001	4.275	11.022	0.366
6/23/2017 10:09:11 AM	956.001	4.278	11.003	0.358
6/23/2017 10:09:12 AM	957.001	4.278	11.005	0.360
6/23/2017 10:09:13 AM	958.001	4.276	11.035	0.364
6/23/2017 10:09:14 AM	959.001	4.279	10.981	0.356
6/23/2017 10:09:15 AM	960.001	4.276	11.016	0.365
6/23/2017 10:09:16 AM	961.001	4.276	11.041	0.364
6/23/2017 10:09:17 AM	962.001	4.278	11.015	0.360
6/23/2017 10:09:18 AM	963.001	4.280	11.008	0.354
6/23/2017 10:09:19 AM	964.001	4.276	11.030	0.365
6/23/2017 10:09:20 AM	965.001	4.275	11.034	0.367
6/23/2017 10:09:21 AM	966.001	4.279	11.032	0.357
6/23/2017 10:09:22 AM	967.001	4.277	11.036	0.363
6/23/2017 10:09:23 AM	968.001	4.281	11.036	0.353
6/23/2017 10:09:24 AM	969.001	4.276	11.028	0.364
6/23/2017 10:09:25 AM	970.001	4.276	11.024	0.364
6/23/2017 10:09:26 AM	971.001	4.277	11.006	0.362
6/23/2017 10:09:27 AM	972.001	4.275	11.037	0.365
6/23/2017 10:09:28 AM	973.001	4.277	11.016	0.361
6/23/2017 10:09:29 AM	974.001	4.278	11.056	0.359
6/23/2017 10:09:30 AM	975.001	4.275	11.044	0.366
6/23/2017 10:09:31 AM	976.001	4.276	11.004	0.364
6/23/2017 10:09:32 AM	977.001	4.278	11.023	0.359
6/23/2017 10:09:33 AM	978.002	4.279	11.041	0.357
6/23/2017 10:09:34 AM	979.001	4.279	11.031	0.357
6/23/2017 10:09:35 AM	980.001	4.279	11.076	0.358
6/23/2017 10:09:36 AM	981.001	4.275	11.052	0.365
6/23/2017 10:09:37 AM	982.001	4.276	11.033	0.364
6/23/2017 10:09:38 AM	983.001	4.279	11.039	0.357
6/23/2017 10:09:39 AM	984.001	4.276	11.049	0.363
6/23/2017 10:09:40 AM	985.001	4.277	11.024	0.363
6/23/2017 10:09:41 AM	986.001	4.276	11.038	0.365
6/23/2017 10:09:42 AM	987.001	4.277	11.041	0.361
6/23/2017 10:09:43 AM	988.001	4.277	11.052	0.362
6/23/2017 10:09:44 AM	989.001	4.276	11.057	0.364
6/23/2017 10:09:45 AM	990.001	4.277	11.077	0.362
6/23/2017 10:09:46 AM	991.001	4.278	11.026	0.359
6/23/2017 10:09:47 AM	992.001	4.279	11.038	0.357
6/23/2017 10:09:48 AM	993.001	4.277	11.060	0.361

6/23/2017 10:09:49 AM	994.001	4.275	11.019	0.366
6/23/2017 10:09:50 AM	995.001	4.278	11.057	0.360
6/23/2017 10:09:51 AM	996.001	4.278	11.046	0.361
6/23/2017 10:09:52 AM	997.001	4.278	11.021	0.359
6/23/2017 10:09:53 AM	998.001	4.276	11.008	0.365
6/23/2017 10:09:54 AM	999.001	4.275	11.036	0.365
6/23/2017 10:09:55 AM	1000.001	4.276	11.066	0.365
6/23/2017 10:09:56 AM	1001.001	4.278	11.033	0.359
6/23/2017 10:09:57 AM	1002.001	4.274	11.083	0.368
6/23/2017 10:09:58 AM	1003.001	4.276	11.032	0.364
6/23/2017 10:09:59 AM	1004.001	4.276	11.056	0.365
6/23/2017 10:10:00 AM	1005.001	4.277	11.044	0.362
6/23/2017 10:10:01 AM	1006.001	4.276	11.060	0.363
6/23/2017 10:10:02 AM	1007.001	4.275	11.041	0.365
6/23/2017 10:10:03 AM	1008.001	4.277	11.045	0.363
6/23/2017 10:10:04 AM	1009.001	4.278	11.044	0.361
6/23/2017 10:10:05 AM	1010.001	4.273	11.057	0.371
6/23/2017 10:10:06 AM	1011.001	4.276	11.024	0.364
6/23/2017 10:10:07 AM	1012.001	4.277	11.047	0.362
6/23/2017 10:10:08 AM	1013.001	4.275	11.052	0.366
6/23/2017 10:10:09 AM	1014.001	4.277	11.032	0.363
6/23/2017 10:10:10 AM	1015.001	4.278	11.082	0.361
6/23/2017 10:10:11 AM	1016.001	4.275	11.038	0.367
6/23/2017 10:10:12 AM	1017.001	4.278	11.070	0.360
6/23/2017 10:10:13 AM	1018.001	4.277	11.049	0.362
6/23/2017 10:10:14 AM	1019.001	4.279	11.074	0.358
6/23/2017 10:10:15 AM	1020.001	4.275	11.043	0.366
6/23/2017 10:10:16 AM	1021.001	4.276	11.045	0.364
6/23/2017 10:10:17 AM	1022.001	4.275	11.058	0.365
6/23/2017 10:10:18 AM	1023.001	4.279	11.086	0.358
6/23/2017 10:10:19 AM	1024.001	4.279	11.066	0.357
6/23/2017 10:10:20 AM	1025.001	4.277	11.072	0.362
6/23/2017 10:10:21 AM	1026.001	4.276	11.074	0.363
6/23/2017 10:10:22 AM	1027.001	4.276	11.055	0.364
6/23/2017 10:10:23 AM	1028.001	4.276	11.060	0.365
6/23/2017 10:10:24 AM	1029.001	4.277	11.072	0.361
6/23/2017 10:10:25 AM	1030.001	4.275	11.077	0.367
6/23/2017 10:10:26 AM	1031.001	4.277	11.058	0.362
6/23/2017 10:10:27 AM	1032.001	4.276	11.055	0.365
6/23/2017 10:10:28 AM	1033.001	4.278	11.075	0.360
6/23/2017 10:10:29 AM	1034.001	4.276	11.072	0.363
6/23/2017 10:10:30 AM	1035.001	4.278	11.068	0.360
6/23/2017 10:10:31 AM	1036.001	4.274	11.088	0.369
6/23/2017 10:10:32 AM	1037.001	4.276	11.078	0.363
6/23/2017 10:10:33 AM	1038.001	4.278	11.079	0.359
6/23/2017 10:10:34 AM	1039.001	4.277	11.079	0.361
6/23/2017 10:10:35 AM	1040.001	4.277	11.070	0.362
6/23/2017 10:10:36 AM	1041.001	4.272	11.083	0.373
6/23/2017 10:10:37 AM	1042.001	4.277	11.086	0.362
6/23/2017 10:10:38 AM	1043.001	4.277	11.101	0.362
6/23/2017 10:10:39 AM	1044.001	4.277	11.055	0.362
6/23/2017 10:10:40 AM	1045.001	4.274	11.103	0.369
6/23/2017 10:10:41 AM	1046.001	4.276	11.083	0.363
6/23/2017 10:10:42 AM	1047.001	4.277	11.065	0.361
6/23/2017 10:10:43 AM	1048.001	4.272	11.062	0.373
6/23/2017 10:10:44 AM	1049.001	4.276	11.073	0.364
6/23/2017 10:10:45 AM	1050.001	4.276	11.105	0.364
6/23/2017 10:10:46 AM	1051.001	4.275	11.061	0.367
6/23/2017 10:10:47 AM	1052.001	4.276	11.082	0.364
6/23/2017 10:10:48 AM	1053.001	4.275	11.073	0.367
6/23/2017 10:10:49 AM	1054.001	4.278	11.091	0.360
6/23/2017 10:10:50 AM	1055.001	4.274	11.097	0.368
6/23/2017 10:10:51 AM	1056.001	4.276	11.121	0.364

6/23/2017 10:10:52 AM	1057.001	4.276	11.088	0.365
6/23/2017 10:10:53 AM	1058.001	4.278	11.090	0.359
6/23/2017 10:10:54 AM	1059.001	4.275	11.114	0.366
6/23/2017 10:10:55 AM	1060.001	4.274	11.066	0.368
6/23/2017 10:10:56 AM	1061.001	4.275	11.086	0.366
6/23/2017 10:10:57 AM	1062.001	4.277	11.080	0.363
6/23/2017 10:10:58 AM	1063.001	4.276	11.106	0.365
6/23/2017 10:10:59 AM	1064.001	4.275	11.088	0.367
6/23/2017 10:11:00 AM	1065.001	4.277	11.116	0.361
6/23/2017 10:11:01 AM	1066.001	4.274	11.086	0.369
6/23/2017 10:11:02 AM	1067.001	4.275	11.100	0.366
6/23/2017 10:11:03 AM	1068.001	4.277	11.090	0.363
6/23/2017 10:11:04 AM	1069.001	4.279	11.107	0.358
6/23/2017 10:11:05 AM	1070.001	4.274	11.097	0.369
6/23/2017 10:11:06 AM	1071.001	4.273	11.139	0.371
6/23/2017 10:11:07 AM	1072.001	4.276	11.128	0.363
6/23/2017 10:11:08 AM	1073.001	4.277	11.083	0.361
6/23/2017 10:11:09 AM	1074.001	4.273	11.130	0.370
6/23/2017 10:11:10 AM	1075.001	4.276	11.053	0.363
6/23/2017 10:11:11 AM	1076.001	4.276	11.061	0.365
6/23/2017 10:11:12 AM	1077.001	4.279	11.119	0.358
6/23/2017 10:11:13 AM	1078.001	4.272	11.097	0.372
6/23/2017 10:11:14 AM	1079.001	4.276	11.105	0.364
6/23/2017 10:11:15 AM	1080.001	4.277	11.116	0.362
6/23/2017 10:11:16 AM	1081.001	4.277	11.088	0.362
6/23/2017 10:11:17 AM	1082.001	4.277	11.126	0.362
6/23/2017 10:11:18 AM	1083.001	4.275	11.133	0.366
6/23/2017 10:11:19 AM	1084.001	4.277	11.136	0.363
6/23/2017 10:11:20 AM	1085.001	4.277	11.105	0.361
6/23/2017 10:11:21 AM	1086.001	4.274	11.124	0.368
6/23/2017 10:11:22 AM	1087.001	4.278	11.147	0.359
6/23/2017 10:11:23 AM	1088.001	4.278	11.146	0.359
6/23/2017 10:11:24 AM	1089.001	4.277	11.119	0.362
6/23/2017 10:11:25 AM	1090.001	4.277	11.136	0.363
6/23/2017 10:11:26 AM	1091.001	4.275	11.105	0.365
6/23/2017 10:11:27 AM	1092.001	4.276	11.108	0.365
6/23/2017 10:11:28 AM	1093.001	4.272	11.101	0.374
6/23/2017 10:11:29 AM	1094.001	4.279	11.119	0.358
6/23/2017 10:11:30 AM	1095.001	4.276	11.130	0.364
6/23/2017 10:11:31 AM	1096.001	4.277	11.147	0.361
6/23/2017 10:11:32 AM	1097.001	4.274	11.132	0.368
6/23/2017 10:11:33 AM	1098.001	4.276	11.130	0.364
6/23/2017 10:11:34 AM	1099.001	4.279	11.132	0.358
6/23/2017 10:11:35 AM	1100.001	4.275	11.138	0.366
6/23/2017 10:11:36 AM	1101.001	4.280	11.133	0.356
6/23/2017 10:11:37 AM	1102.001	4.276	11.111	0.365
6/23/2017 10:11:38 AM	1103.001	4.276	11.122	0.363
6/23/2017 10:11:39 AM	1104.001	4.274	11.119	0.370
6/23/2017 10:11:40 AM	1105.001	4.276	11.138	0.365
6/23/2017 10:11:41 AM	1106.001	4.276	11.126	0.365
6/23/2017 10:11:42 AM	1107.001	4.277	11.122	0.361
6/23/2017 10:11:43 AM	1108.001	4.275	11.142	0.366
6/23/2017 10:11:44 AM	1109.001	4.275	11.147	0.366
6/23/2017 10:11:45 AM	1110.001	4.276	11.119	0.364
6/23/2017 10:11:46 AM	1111.001	4.275	11.152	0.367
6/23/2017 10:11:47 AM	1112.001	4.275	11.130	0.367

Report Date: 7/10/2017 9:40:30 AM
Report User Name: dalmond
Report Computer Name: PINEWRKMA25-PC
Application: WinSitu.exe
Application Version: 5.6.25.0

Log File Properties:
File Name: CH-MW018 RH3_2017-07-10_09-40-27-065.wsl
Create Date: 7/10/2017 9:37:04 AM

Device Properties:
Device: Level TROLL 700
Site: Camp Hero
Device Name: Level Troll 700
Serial Number: 402202
Firmware Version: 3.02
Hardware Version: 4
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 23
Used Battery(%): 12

Log Configuration
Log Name: CH-MW018 RH3
Created By: Unknown
Computer Name: Pocket PC
Application: WinSituMobile.exe
Application Version: 5.6.0.10
Create Date: 3/5/2006 5:49:38 AM Eastern Standard Time
Log Setup Time Zone: Eastern Standard Time
Notes Size(bytes): 4096
Overwrite when full: Disabled
Scheduled Start Time: Manual Start
Scheduled Stop Time: No Stop Time
Type: Step Test
Steps: 2 (Linear)
Step: 1
Duration: Days: 0 hrs: 00 mins: 02 secs: 00
Interval: Days: 0 hrs: 00 mins: 00 secs: 00.500
Step: 2
Duration: Days: 0 hrs: 10 mins: 00 secs: 00
Interval: Days: 0 hrs: 00 mins: 00 secs: 01

Level Reference Settings At Log Creation
Level Measurement Mode: Level Depth To Water
Specific Gravity: 0.999
Level Reference Mode: Set new reference
Level Reference Value: 0 (ft)
Level Reference Head Pressure: 4.34721 (PSI)

Other Log Settings
Pressure Offset: 0.00335646 (PSI)
Depth of Probe: 10.0432 (ft)
Head Pressure: 4.34963 (PSI)
Temperature: 11.5955 (C)

Log Notes:

Date and Time	Note
6/23/2017 11:30:19 AM	Used Battery: 12% Used Memory: 25% User Name: Unknown
6/23/2017 11:30:59 AM	Manual Start Command
6/23/2017 12:04:29 PM	Used Battery: 12% Used Memory: 25% User Name: Unknown
6/23/2017 12:04:30 PM	Manual Stop Command

Log Data:
Record Count: 2131
Sensors: 1
1 - 402202: Pressure/Temp 30 PSIG (21m/69ft)
Time Zone: Eastern Daylight Time

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 69ft SN#: 402202 Pressure (PSI)	Sensor: Pres(G) 69ft SN#: 402202 Temperature (C)	Sensor: Pres(G) 69ft SN#: 402202 Level Depth To Water (ft)
6/23/2017 11:30:59 AM	0.000	4.357	11.576	-0.022
6/23/2017 11:30:59 AM	0.501	4.348	11.586	-0.002
6/23/2017 11:31:00 AM	1.001	4.358	11.582	-0.026
6/23/2017 11:31:00 AM	1.501	4.370	11.580	-0.052
6/23/2017 11:31:01 AM	2.001	4.362	11.569	-0.034
6/23/2017 11:31:01 AM	2.501	4.353	11.620	-0.013
6/23/2017 11:31:02 AM	3.001	4.360	11.587	-0.031
6/23/2017 11:31:02 AM	3.501	4.361	11.619	-0.032
6/23/2017 11:31:03 AM	4.001	4.359	11.610	-0.027
6/23/2017 11:31:03 AM	4.501	4.360	11.615	-0.029
6/23/2017 11:31:04 AM	5.001	4.360	11.576	-0.030
6/23/2017 11:31:04 AM	5.501	4.362	11.612	-0.035
6/23/2017 11:31:05 AM	6.001	4.360	11.615	-0.030
6/23/2017 11:31:05 AM	6.501	4.360	11.599	-0.029
6/23/2017 11:31:06 AM	7.001	3.885	11.602	1.066
6/23/2017 11:31:06 AM	7.501	3.886	11.587	1.066
6/23/2017 11:31:07 AM	8.001	4.248	11.606	0.228
6/23/2017 11:31:07 AM	8.501	3.777	11.573	1.317
6/23/2017 11:31:08 AM	9.001	3.903	11.569	1.026
6/23/2017 11:31:08 AM	9.501	3.976	11.579	0.856
6/23/2017 11:31:09 AM	10.001	4.035	11.601	0.720
6/23/2017 11:31:09 AM	10.501	4.079	11.595	0.620
6/23/2017 11:31:10 AM	11.001	4.122	11.576	0.521
6/23/2017 11:31:10 AM	11.501	4.152	11.571	0.450
6/23/2017 11:31:11 AM	12.001	4.176	11.606	0.395
6/23/2017 11:31:11 AM	12.501	4.201	11.588	0.339
6/23/2017 11:31:12 AM	13.001	4.219	11.593	0.297
6/23/2017 11:31:12 AM	13.501	4.240	11.597	0.248
6/23/2017 11:31:13 AM	14.001	4.252	11.589	0.219
6/23/2017 11:31:13 AM	14.501	4.251	11.617	0.221
6/23/2017 11:31:14 AM	15.001	4.252	11.597	0.221
6/23/2017 11:31:14 AM	15.501	4.255	11.567	0.214
6/23/2017 11:31:15 AM	16.001	4.256	11.584	0.211
6/23/2017 11:31:15 AM	16.501	4.255	11.582	0.214
6/23/2017 11:31:16 AM	17.001	4.254	11.609	0.214
6/23/2017 11:31:16 AM	17.501	4.254	11.604	0.216
6/23/2017 11:31:17 AM	18.001	4.254	11.590	0.215
6/23/2017 11:31:17 AM	18.501	4.253	11.580	0.217
6/23/2017 11:31:18 AM	19.001	4.255	11.590	0.213
6/23/2017 11:31:18 AM	19.501	4.253	11.614	0.217
6/23/2017 11:31:19 AM	20.001	4.257	11.589	0.209
6/23/2017 11:31:19 AM	20.501	4.255	11.596	0.212
6/23/2017 11:31:20 AM	21.001	4.255	11.604	0.213

6/23/2017 11:31:20 AM	21.501	4.254	11.596	0.215
6/23/2017 11:31:21 AM	22.001	4.252	11.602	0.220
6/23/2017 11:31:21 AM	22.501	4.253	11.587	0.217
6/23/2017 11:31:22 AM	23.013	4.254	11.598	0.216
6/23/2017 11:31:22 AM	23.501	4.255	11.590	0.212
6/23/2017 11:31:23 AM	24.001	4.255	11.577	0.214
6/23/2017 11:31:23 AM	24.501	4.255	11.581	0.213
6/23/2017 11:31:24 AM	25.001	4.255	11.584	0.213
6/23/2017 11:31:24 AM	25.501	4.256	11.591	0.210
6/23/2017 11:31:25 AM	26.001	4.255	11.581	0.214
6/23/2017 11:31:25 AM	26.501	4.253	11.582	0.217
6/23/2017 11:31:26 AM	27.001	4.257	11.580	0.208
6/23/2017 11:31:26 AM	27.501	4.254	11.601	0.216
6/23/2017 11:31:27 AM	28.001	4.254	11.596	0.215
6/23/2017 11:31:27 AM	28.501	4.257	11.607	0.208
6/23/2017 11:31:28 AM	29.001	4.254	11.592	0.215
6/23/2017 11:31:28 AM	29.501	4.257	11.606	0.209
6/23/2017 11:31:29 AM	30.001	4.255	11.584	0.213
6/23/2017 11:31:29 AM	30.501	4.256	11.582	0.211
6/23/2017 11:31:30 AM	31.001	4.255	11.611	0.212
6/23/2017 11:31:30 AM	31.501	4.257	11.619	0.208
6/23/2017 11:31:31 AM	32.001	4.256	11.578	0.210
6/23/2017 11:31:31 AM	32.501	4.257	11.590	0.209
6/23/2017 11:31:32 AM	33.001	4.254	11.584	0.216
6/23/2017 11:31:32 AM	33.501	4.255	11.593	0.212
6/23/2017 11:31:33 AM	34.001	4.254	11.580	0.215
6/23/2017 11:31:33 AM	34.501	4.257	11.578	0.209
6/23/2017 11:31:34 AM	35.001	4.255	11.578	0.213
6/23/2017 11:31:34 AM	35.501	4.256	11.599	0.211
6/23/2017 11:31:35 AM	36.001	4.258	11.599	0.207
6/23/2017 11:31:35 AM	36.501	4.254	11.587	0.215
6/23/2017 11:31:36 AM	37.001	4.253	11.601	0.217
6/23/2017 11:31:36 AM	37.501	4.254	11.597	0.216
6/23/2017 11:31:37 AM	38.001	4.255	11.568	0.213
6/23/2017 11:31:37 AM	38.501	4.255	11.594	0.213
6/23/2017 11:31:38 AM	39.001	4.256	11.607	0.210
6/23/2017 11:31:38 AM	39.501	4.255	11.599	0.212
6/23/2017 11:31:39 AM	40.001	4.256	11.582	0.209
6/23/2017 11:31:39 AM	40.501	4.256	11.627	0.211
6/23/2017 11:31:40 AM	41.001	4.255	11.610	0.213
6/23/2017 11:31:40 AM	41.501	4.258	11.587	0.207
6/23/2017 11:31:41 AM	42.001	4.255	11.637	0.213
6/23/2017 11:31:41 AM	42.501	4.255	11.572	0.214
6/23/2017 11:31:42 AM	43.001	4.258	11.596	0.206
6/23/2017 11:31:42 AM	43.501	4.258	11.588	0.206
6/23/2017 11:31:43 AM	44.001	4.261	11.565	0.199
6/23/2017 11:31:43 AM	44.501	4.255	11.598	0.214
6/23/2017 11:31:44 AM	45.001	4.256	11.614	0.212
6/23/2017 11:31:44 AM	45.501	4.258	11.594	0.206
6/23/2017 11:31:45 AM	46.001	4.258	11.599	0.207
6/23/2017 11:31:45 AM	46.501	4.257	11.610	0.207
6/23/2017 11:31:46 AM	47.001	4.255	11.601	0.212
6/23/2017 11:31:46 AM	47.501	4.256	11.606	0.211
6/23/2017 11:31:47 AM	48.001	4.257	11.592	0.208
6/23/2017 11:31:47 AM	48.501	4.256	11.584	0.211
6/23/2017 11:31:48 AM	49.001	4.258	11.595	0.205
6/23/2017 11:31:48 AM	49.501	4.257	11.571	0.208
6/23/2017 11:31:49 AM	50.001	4.255	11.595	0.212
6/23/2017 11:31:49 AM	50.501	4.260	11.612	0.202
6/23/2017 11:31:50 AM	51.001	4.257	11.636	0.208
6/23/2017 11:31:50 AM	51.501	4.259	11.596	0.204
6/23/2017 11:31:51 AM	52.001	4.259	11.590	0.205
6/23/2017 11:31:51 AM	52.501	4.256	11.597	0.210

6/23/2017 11:31:52 AM	53.001	4.256	11.602	0.210
6/23/2017 11:31:52 AM	53.501	4.257	11.621	0.208
6/23/2017 11:31:53 AM	54.001	4.258	11.608	0.205
6/23/2017 11:31:53 AM	54.501	4.255	11.598	0.212
6/23/2017 11:31:54 AM	55.001	4.259	11.584	0.204
6/23/2017 11:31:54 AM	55.501	4.257	11.624	0.208
6/23/2017 11:31:55 AM	56.001	4.258	11.560	0.206
6/23/2017 11:31:55 AM	56.501	4.258	11.616	0.205
6/23/2017 11:31:56 AM	57.001	4.258	11.594	0.207
6/23/2017 11:31:56 AM	57.501	4.258	11.600	0.206
6/23/2017 11:31:57 AM	58.001	4.258	11.607	0.206
6/23/2017 11:31:57 AM	58.501	4.257	11.604	0.207
6/23/2017 11:31:58 AM	59.001	4.259	11.584	0.204
6/23/2017 11:31:58 AM	59.501	4.260	11.618	0.202
6/23/2017 11:31:59 AM	60.001	4.259	11.612	0.203
6/23/2017 11:31:59 AM	60.501	4.260	11.657	0.201
6/23/2017 11:32:00 AM	61.001	4.258	11.609	0.207
6/23/2017 11:32:00 AM	61.501	4.258	11.592	0.207
6/23/2017 11:32:01 AM	62.001	4.257	11.569	0.208
6/23/2017 11:32:01 AM	62.501	4.261	11.609	0.198
6/23/2017 11:32:02 AM	63.001	4.257	11.578	0.207
6/23/2017 11:32:02 AM	63.501	4.259	11.604	0.203
6/23/2017 11:32:03 AM	64.001	4.258	11.606	0.205
6/23/2017 11:32:03 AM	64.501	4.257	11.590	0.209
6/23/2017 11:32:04 AM	65.001	4.256	11.598	0.211
6/23/2017 11:32:04 AM	65.501	4.259	11.589	0.203
6/23/2017 11:32:05 AM	66.001	4.257	11.594	0.208
6/23/2017 11:32:05 AM	66.501	4.258	11.598	0.205
6/23/2017 11:32:06 AM	67.001	4.259	11.612	0.205
6/23/2017 11:32:06 AM	67.501	4.257	11.601	0.209
6/23/2017 11:32:07 AM	68.001	4.261	11.604	0.200
6/23/2017 11:32:07 AM	68.501	4.260	11.603	0.202
6/23/2017 11:32:08 AM	69.001	4.258	11.583	0.205
6/23/2017 11:32:08 AM	69.501	4.257	11.622	0.208
6/23/2017 11:32:09 AM	70.001	4.256	11.622	0.211
6/23/2017 11:32:09 AM	70.501	4.258	11.607	0.206
6/23/2017 11:32:10 AM	71.001	4.258	11.611	0.205
6/23/2017 11:32:10 AM	71.501	4.258	11.595	0.206
6/23/2017 11:32:11 AM	72.001	4.259	11.584	0.203
6/23/2017 11:32:11 AM	72.501	4.259	11.585	0.203
6/23/2017 11:32:12 AM	73.001	4.257	11.612	0.208
6/23/2017 11:32:12 AM	73.530	4.260	11.592	0.201
6/23/2017 11:32:13 AM	74.001	4.260	11.598	0.201
6/23/2017 11:32:13 AM	74.501	4.258	11.604	0.205
6/23/2017 11:32:14 AM	75.001	4.259	11.593	0.204
6/23/2017 11:32:14 AM	75.501	4.256	11.590	0.210
6/23/2017 11:32:15 AM	76.001	4.260	11.609	0.202
6/23/2017 11:32:15 AM	76.501	4.257	11.568	0.208
6/23/2017 11:32:16 AM	77.001	4.258	11.580	0.207
6/23/2017 11:32:16 AM	77.501	4.257	11.604	0.207
6/23/2017 11:32:17 AM	78.001	4.261	11.648	0.200
6/23/2017 11:32:17 AM	78.501	4.258	11.612	0.205
6/23/2017 11:32:18 AM	79.001	4.257	11.607	0.209
6/23/2017 11:32:18 AM	79.501	4.259	11.596	0.203
6/23/2017 11:32:19 AM	80.001	4.259	11.608	0.203
6/23/2017 11:32:19 AM	80.501	4.259	11.593	0.204
6/23/2017 11:32:20 AM	81.001	4.256	11.583	0.211
6/23/2017 11:32:20 AM	81.501	4.259	11.579	0.203
6/23/2017 11:32:21 AM	82.001	4.259	11.612	0.204
6/23/2017 11:32:21 AM	82.501	4.261	11.601	0.199
6/23/2017 11:32:22 AM	83.001	4.259	11.591	0.203
6/23/2017 11:32:22 AM	83.501	4.258	11.605	0.206
6/23/2017 11:32:23 AM	84.001	4.260	11.601	0.201

6/23/2017 11:32:23 AM	84.501	4.260	11.597	0.202
6/23/2017 11:32:24 AM	85.001	4.261	11.607	0.199
6/23/2017 11:32:24 AM	85.501	4.256	11.598	0.210
6/23/2017 11:32:25 AM	86.001	4.262	11.584	0.197
6/23/2017 11:32:25 AM	86.501	4.260	11.593	0.201
6/23/2017 11:32:26 AM	87.001	4.262	11.575	0.197
6/23/2017 11:32:26 AM	87.501	4.260	11.584	0.201
6/23/2017 11:32:27 AM	88.001	4.262	11.607	0.197
6/23/2017 11:32:27 AM	88.501	4.258	11.601	0.206
6/23/2017 11:32:28 AM	89.001	4.259	11.621	0.205
6/23/2017 11:32:28 AM	89.501	4.259	11.587	0.204
6/23/2017 11:32:29 AM	90.001	4.258	11.587	0.206
6/23/2017 11:32:29 AM	90.501	4.261	11.601	0.200
6/23/2017 11:32:30 AM	91.001	4.261	11.582	0.200
6/23/2017 11:32:30 AM	91.501	4.257	11.592	0.207
6/23/2017 11:32:31 AM	92.001	4.260	11.588	0.202
6/23/2017 11:32:31 AM	92.501	4.258	11.576	0.206
6/23/2017 11:32:32 AM	93.001	4.259	11.615	0.204
6/23/2017 11:32:32 AM	93.501	4.260	11.593	0.201
6/23/2017 11:32:33 AM	94.001	4.260	11.604	0.202
6/23/2017 11:32:33 AM	94.501	4.258	11.591	0.205
6/23/2017 11:32:34 AM	95.001	4.260	11.609	0.201
6/23/2017 11:32:34 AM	95.501	4.261	11.590	0.199
6/23/2017 11:32:35 AM	96.001	4.259	11.564	0.205
6/23/2017 11:32:35 AM	96.501	4.258	11.608	0.206
6/23/2017 11:32:36 AM	97.001	4.258	11.586	0.207
6/23/2017 11:32:36 AM	97.501	4.258	11.582	0.205
6/23/2017 11:32:37 AM	98.001	4.260	11.575	0.201
6/23/2017 11:32:37 AM	98.501	4.262	11.572	0.198
6/23/2017 11:32:38 AM	99.001	4.262	11.601	0.197
6/23/2017 11:32:38 AM	99.501	4.263	11.589	0.195
6/23/2017 11:32:39 AM	100.001	4.258	11.631	0.206
6/23/2017 11:32:39 AM	100.501	4.261	11.565	0.200
6/23/2017 11:32:40 AM	101.001	4.264	11.576	0.193
6/23/2017 11:32:40 AM	101.501	4.259	11.613	0.203
6/23/2017 11:32:41 AM	102.001	4.261	11.601	0.199
6/23/2017 11:32:41 AM	102.501	4.260	11.587	0.200
6/23/2017 11:32:42 AM	103.001	4.258	11.582	0.205
6/23/2017 11:32:42 AM	103.501	4.259	11.609	0.204
6/23/2017 11:32:43 AM	104.001	4.261	11.601	0.199
6/23/2017 11:32:43 AM	104.501	4.259	11.574	0.203
6/23/2017 11:32:44 AM	105.001	4.260	11.603	0.202
6/23/2017 11:32:44 AM	105.501	4.258	11.623	0.207
6/23/2017 11:32:45 AM	106.001	4.260	11.564	0.202
6/23/2017 11:32:45 AM	106.501	4.259	11.582	0.204
6/23/2017 11:32:46 AM	107.001	4.260	11.598	0.201
6/23/2017 11:32:46 AM	107.501	4.258	11.600	0.207
6/23/2017 11:32:47 AM	108.001	4.260	11.565	0.201
6/23/2017 11:32:47 AM	108.501	4.260	11.610	0.202
6/23/2017 11:32:48 AM	109.001	4.260	11.593	0.202
6/23/2017 11:32:48 AM	109.501	4.260	11.575	0.201
6/23/2017 11:32:49 AM	110.001	4.261	11.598	0.199
6/23/2017 11:32:49 AM	110.501	4.261	11.579	0.198
6/23/2017 11:32:50 AM	111.001	4.258	11.600	0.206
6/23/2017 11:32:50 AM	111.501	4.260	11.602	0.201
6/23/2017 11:32:51 AM	112.001	4.262	11.599	0.197
6/23/2017 11:32:51 AM	112.501	4.261	11.606	0.200
6/23/2017 11:32:52 AM	113.001	4.260	11.597	0.202
6/23/2017 11:32:52 AM	113.501	4.261	11.588	0.199
6/23/2017 11:32:53 AM	114.001	4.262	11.612	0.196
6/23/2017 11:32:53 AM	114.501	4.261	11.584	0.198
6/23/2017 11:32:54 AM	115.001	4.259	11.616	0.204
6/23/2017 11:32:54 AM	115.501	4.261	11.576	0.200

6/23/2017 11:32:55 AM	116.001	4.261	11.582	0.199
6/23/2017 11:32:55 AM	116.501	4.261	11.589	0.199
6/23/2017 11:32:56 AM	117.001	4.260	11.582	0.202
6/23/2017 11:32:56 AM	117.501	4.258	11.601	0.205
6/23/2017 11:32:57 AM	118.001	4.262	11.568	0.196
6/23/2017 11:32:57 AM	118.501	4.260	11.588	0.201
6/23/2017 11:32:58 AM	119.001	4.262	11.605	0.197
6/23/2017 11:32:58 AM	119.501	4.258	11.618	0.205
6/23/2017 11:32:59 AM	120.001	4.260	11.600	0.202
6/23/2017 11:33:00 AM	121.001	4.259	11.584	0.204
6/23/2017 11:33:01 AM	122.001	4.261	11.573	0.198
6/23/2017 11:33:02 AM	123.001	4.261	11.583	0.199
6/23/2017 11:33:03 AM	124.001	4.264	11.548	0.192
6/23/2017 11:33:04 AM	125.001	4.263	11.570	0.195
6/23/2017 11:33:05 AM	126.001	4.261	11.576	0.199
6/23/2017 11:33:06 AM	127.001	4.262	11.602	0.197
6/23/2017 11:33:07 AM	128.001	4.260	11.562	0.201
6/23/2017 11:33:08 AM	129.001	4.261	11.588	0.199
6/23/2017 11:33:09 AM	130.001	4.263	11.584	0.195
6/23/2017 11:33:10 AM	131.001	4.264	11.585	0.193
6/23/2017 11:33:11 AM	132.001	4.261	11.565	0.199
6/23/2017 11:33:12 AM	133.001	4.259	11.551	0.203
6/23/2017 11:33:13 AM	134.001	4.261	11.576	0.199
6/23/2017 11:33:14 AM	135.001	4.260	11.587	0.202
6/23/2017 11:33:15 AM	136.001	4.261	11.581	0.199
6/23/2017 11:33:16 AM	137.001	4.261	11.595	0.200
6/23/2017 11:33:17 AM	138.001	4.262	11.581	0.197
6/23/2017 11:33:18 AM	139.001	4.262	11.559	0.198
6/23/2017 11:33:19 AM	140.001	4.260	11.591	0.201
6/23/2017 11:33:20 AM	141.001	4.263	11.576	0.195
6/23/2017 11:33:21 AM	142.001	4.261	11.560	0.198
6/23/2017 11:33:22 AM	143.001	4.261	11.571	0.199
6/23/2017 11:33:23 AM	144.001	4.263	11.551	0.195
6/23/2017 11:33:24 AM	145.001	4.261	11.566	0.199
6/23/2017 11:33:25 AM	146.001	4.261	11.558	0.200
6/23/2017 11:33:26 AM	147.001	4.260	11.576	0.202
6/23/2017 11:33:27 AM	148.001	4.261	11.571	0.198
6/23/2017 11:33:28 AM	149.001	4.262	11.576	0.196
6/23/2017 11:33:29 AM	150.001	4.264	11.598	0.193
6/23/2017 11:33:30 AM	151.001	4.261	11.566	0.200
6/23/2017 11:33:31 AM	152.001	4.262	11.596	0.197
6/23/2017 11:33:32 AM	153.001	4.263	11.571	0.194
6/23/2017 11:33:33 AM	154.001	4.263	11.570	0.194
6/23/2017 11:33:34 AM	155.001	4.259	11.551	0.204
6/23/2017 11:33:35 AM	156.001	4.263	11.585	0.195
6/23/2017 11:33:36 AM	157.001	4.263	11.571	0.194
6/23/2017 11:33:37 AM	158.001	4.259	11.535	0.203
6/23/2017 11:33:38 AM	159.001	4.263	11.585	0.194
6/23/2017 11:33:39 AM	160.001	4.262	11.590	0.197
6/23/2017 11:33:40 AM	161.001	4.262	11.554	0.196
6/23/2017 11:33:41 AM	162.001	4.263	11.560	0.195
6/23/2017 11:33:42 AM	163.001	4.263	11.577	0.195
6/23/2017 11:33:43 AM	164.001	4.264	11.582	0.192
6/23/2017 11:33:44 AM	165.001	4.265	11.557	0.190
6/23/2017 11:33:45 AM	166.001	4.264	11.536	0.193
6/23/2017 11:33:46 AM	167.001	4.263	11.562	0.194
6/23/2017 11:33:47 AM	168.001	4.262	11.587	0.197
6/23/2017 11:33:48 AM	169.001	4.263	11.558	0.194
6/23/2017 11:33:49 AM	170.001	4.265	11.552	0.190
6/23/2017 11:33:50 AM	171.001	4.263	11.559	0.195
6/23/2017 11:33:51 AM	172.001	4.264	11.559	0.192
6/23/2017 11:33:52 AM	173.001	4.266	11.569	0.188
6/23/2017 11:33:53 AM	174.001	4.263	11.552	0.196

6/23/2017 11:33:54 AM	175.001	4.266	11.582	0.188
6/23/2017 11:33:55 AM	176.001	4.266	11.552	0.188
6/23/2017 11:33:56 AM	177.001	4.264	11.585	0.192
6/23/2017 11:33:57 AM	178.001	4.264	11.557	0.191
6/23/2017 11:33:58 AM	179.001	4.264	11.573	0.193
6/23/2017 11:33:59 AM	180.001	4.263	11.552	0.194
6/23/2017 11:34:00 AM	181.001	4.263	11.559	0.195
6/23/2017 11:34:01 AM	182.001	4.263	11.556	0.194
6/23/2017 11:34:02 AM	183.001	4.262	11.565	0.197
6/23/2017 11:34:03 AM	184.001	4.264	11.543	0.193
6/23/2017 11:34:04 AM	185.001	4.264	11.541	0.191
6/23/2017 11:34:05 AM	186.001	4.264	11.575	0.192
6/23/2017 11:34:06 AM	187.001	4.265	11.559	0.191
6/23/2017 11:34:07 AM	188.001	4.261	11.588	0.199
6/23/2017 11:34:08 AM	189.001	4.266	11.567	0.188
6/23/2017 11:34:09 AM	190.001	4.262	11.574	0.197
6/23/2017 11:34:10 AM	191.001	4.265	11.543	0.191
6/23/2017 11:34:11 AM	192.001	4.264	11.557	0.193
6/23/2017 11:34:12 AM	193.001	4.263	11.548	0.195
6/23/2017 11:34:13 AM	194.001	4.263	11.588	0.194
6/23/2017 11:34:14 AM	195.001	4.264	11.562	0.191
6/23/2017 11:34:15 AM	196.001	4.264	11.557	0.193
6/23/2017 11:34:16 AM	197.001	4.264	11.587	0.193
6/23/2017 11:34:17 AM	198.001	4.263	11.590	0.193
6/23/2017 11:34:18 AM	199.001	4.264	11.582	0.192
6/23/2017 11:34:19 AM	200.001	4.266	11.587	0.186
6/23/2017 11:34:20 AM	201.001	4.264	11.568	0.192
6/23/2017 11:34:21 AM	202.001	4.263	11.586	0.194
6/23/2017 11:34:22 AM	203.001	4.264	11.582	0.192
6/23/2017 11:34:23 AM	204.001	4.264	11.568	0.192
6/23/2017 11:34:24 AM	205.001	4.264	11.582	0.191
6/23/2017 11:34:25 AM	206.001	4.266	11.534	0.188
6/23/2017 11:34:26 AM	207.001	4.263	11.569	0.193
6/23/2017 11:34:27 AM	208.001	4.265	11.581	0.189
6/23/2017 11:34:28 AM	209.001	4.263	11.574	0.194
6/23/2017 11:34:29 AM	210.001	4.260	11.586	0.201
6/23/2017 11:34:30 AM	211.001	4.266	11.580	0.187
6/23/2017 11:34:31 AM	212.001	4.263	11.590	0.195
6/23/2017 11:34:32 AM	213.001	4.265	11.582	0.190
6/23/2017 11:34:33 AM	214.001	4.266	11.574	0.189
6/23/2017 11:34:34 AM	215.001	4.262	11.596	0.197
6/23/2017 11:34:35 AM	216.001	4.262	11.586	0.197
6/23/2017 11:34:36 AM	217.001	4.264	11.590	0.192
6/23/2017 11:34:37 AM	218.001	4.266	11.561	0.187
6/23/2017 11:34:38 AM	219.001	4.264	11.550	0.193
6/23/2017 11:34:39 AM	220.001	4.265	11.585	0.190
6/23/2017 11:34:40 AM	221.001	4.260	11.585	0.200
6/23/2017 11:34:41 AM	222.001	4.264	11.587	0.191
6/23/2017 11:34:42 AM	223.001	4.267	11.565	0.185
6/23/2017 11:34:43 AM	224.001	4.266	11.607	0.188
6/23/2017 11:34:44 AM	225.001	4.265	11.587	0.190
6/23/2017 11:34:45 AM	226.001	4.267	11.568	0.186
6/23/2017 11:34:46 AM	227.001	4.265	11.546	0.191
6/23/2017 11:34:47 AM	228.001	4.266	11.601	0.188
6/23/2017 11:34:48 AM	229.001	4.268	11.596	0.183
6/23/2017 11:34:49 AM	230.001	4.262	11.588	0.198
6/23/2017 11:34:50 AM	231.001	4.266	11.565	0.189
6/23/2017 11:34:51 AM	232.001	4.268	11.572	0.183
6/23/2017 11:34:52 AM	233.001	4.266	11.590	0.188
6/23/2017 11:34:53 AM	234.001	4.267	11.590	0.185
6/23/2017 11:34:54 AM	235.001	4.263	11.604	0.195
6/23/2017 11:34:55 AM	236.001	4.267	11.598	0.184
6/23/2017 11:34:56 AM	237.001	4.265	11.586	0.189

6/23/2017 11:34:57 AM	238.001	4.264	11.600	0.192
6/23/2017 11:34:58 AM	239.001	4.263	11.597	0.195
6/23/2017 11:34:59 AM	240.001	4.266	11.588	0.187
6/23/2017 11:35:00 AM	241.001	4.264	11.610	0.193
6/23/2017 11:35:01 AM	242.001	4.264	11.604	0.192
6/23/2017 11:35:02 AM	243.001	4.265	11.593	0.190
6/23/2017 11:35:03 AM	244.001	4.263	11.591	0.195
6/23/2017 11:35:04 AM	245.001	4.265	11.603	0.190
6/23/2017 11:35:05 AM	246.001	4.265	11.622	0.190
6/23/2017 11:35:06 AM	247.001	4.265	11.590	0.190
6/23/2017 11:35:07 AM	248.001	4.267	11.597	0.186
6/23/2017 11:35:08 AM	249.001	4.266	11.625	0.188
6/23/2017 11:35:09 AM	250.001	4.265	11.586	0.189
6/23/2017 11:35:10 AM	251.001	4.266	11.613	0.187
6/23/2017 11:35:11 AM	252.001	4.267	11.596	0.184
6/23/2017 11:35:12 AM	253.001	4.268	11.618	0.184
6/23/2017 11:35:13 AM	254.001	4.266	11.585	0.188
6/23/2017 11:35:14 AM	255.001	4.266	11.579	0.188
6/23/2017 11:35:15 AM	256.001	4.266	11.569	0.186
6/23/2017 11:35:16 AM	257.001	4.265	11.582	0.191
6/23/2017 11:35:17 AM	258.001	4.265	11.624	0.190
6/23/2017 11:35:18 AM	259.001	4.263	11.571	0.194
6/23/2017 11:35:19 AM	260.001	4.264	11.588	0.191
6/23/2017 11:35:20 AM	261.001	4.266	11.586	0.187
6/23/2017 11:35:21 AM	262.001	4.264	11.603	0.192
6/23/2017 11:35:22 AM	263.001	4.264	11.578	0.193
6/23/2017 11:35:23 AM	264.001	4.264	11.605	0.192
6/23/2017 11:35:24 AM	265.001	4.268	11.593	0.182
6/23/2017 11:35:25 AM	266.001	4.265	11.588	0.191
6/23/2017 11:35:26 AM	267.001	4.266	11.598	0.187
6/23/2017 11:35:27 AM	268.001	4.267	11.590	0.186
6/23/2017 11:35:28 AM	269.001	4.263	11.602	0.195
6/23/2017 11:35:29 AM	270.001	4.266	11.598	0.189
6/23/2017 11:35:30 AM	271.001	4.265	11.605	0.189
6/23/2017 11:35:31 AM	272.001	4.267	11.601	0.186
6/23/2017 11:35:32 AM	273.001	4.265	11.633	0.189
6/23/2017 11:35:33 AM	274.001	4.264	11.602	0.192
6/23/2017 11:35:34 AM	275.001	4.265	11.617	0.189
6/23/2017 11:35:35 AM	276.001	4.265	11.604	0.190
6/23/2017 11:35:36 AM	277.001	4.267	11.589	0.186
6/23/2017 11:35:37 AM	278.001	4.265	11.604	0.190
6/23/2017 11:35:38 AM	279.001	4.266	11.596	0.187
6/23/2017 11:35:39 AM	280.001	4.266	11.622	0.188
6/23/2017 11:35:40 AM	281.001	4.266	11.609	0.188
6/23/2017 11:35:41 AM	282.001	4.266	11.607	0.188
6/23/2017 11:35:42 AM	283.001	4.266	11.629	0.187
6/23/2017 11:35:43 AM	284.001	4.264	11.612	0.193
6/23/2017 11:35:44 AM	285.001	4.266	11.618	0.189
6/23/2017 11:35:45 AM	286.001	4.268	11.629	0.184
6/23/2017 11:35:46 AM	287.001	4.265	11.593	0.190
6/23/2017 11:35:47 AM	288.001	4.267	11.603	0.186
6/23/2017 11:35:48 AM	289.001	4.265	11.610	0.189
6/23/2017 11:35:49 AM	290.001	4.264	11.612	0.192
6/23/2017 11:35:50 AM	291.001	4.266	11.629	0.189
6/23/2017 11:35:51 AM	292.001	4.265	11.614	0.190
6/23/2017 11:35:52 AM	293.001	4.266	11.609	0.187
6/23/2017 11:35:53 AM	294.001	4.266	11.600	0.188
6/23/2017 11:35:54 AM	295.001	4.264	11.604	0.192
6/23/2017 11:35:55 AM	296.001	4.265	11.586	0.189
6/23/2017 11:35:56 AM	297.001	4.264	11.604	0.191
6/23/2017 11:35:57 AM	298.001	4.264	11.616	0.192
6/23/2017 11:35:58 AM	299.001	4.266	11.620	0.189
6/23/2017 11:35:59 AM	300.001	4.267	11.631	0.186

6/23/2017 11:36:00 AM	301.001	4.265	11.656	0.190
6/23/2017 11:36:01 AM	302.001	4.265	11.633	0.191
6/23/2017 11:36:02 AM	303.001	4.264	11.620	0.193
6/23/2017 11:36:03 AM	304.001	4.265	11.642	0.190
6/23/2017 11:36:04 AM	305.001	4.266	11.625	0.188
6/23/2017 11:36:05 AM	306.001	4.264	11.586	0.192
6/23/2017 11:36:06 AM	307.001	4.263	11.621	0.195
6/23/2017 11:36:07 AM	308.001	4.265	11.634	0.190
6/23/2017 11:36:08 AM	309.001	4.264	11.617	0.191
6/23/2017 11:36:09 AM	310.001	4.266	11.617	0.188
6/23/2017 11:36:10 AM	311.001	4.267	11.652	0.185
6/23/2017 11:36:11 AM	312.001	4.268	11.628	0.182
6/23/2017 11:36:12 AM	313.001	4.266	11.665	0.189
6/23/2017 11:36:13 AM	314.001	4.266	11.620	0.187
6/23/2017 11:36:14 AM	315.001	4.265	11.612	0.189
6/23/2017 11:36:15 AM	316.001	4.266	11.625	0.189
6/23/2017 11:36:16 AM	317.001	4.266	11.645	0.188
6/23/2017 11:36:17 AM	318.001	4.265	11.645	0.189
6/23/2017 11:36:18 AM	319.001	4.265	11.645	0.190
6/23/2017 11:36:19 AM	320.001	4.266	11.634	0.188
6/23/2017 11:36:20 AM	321.001	4.264	11.624	0.192
6/23/2017 11:36:21 AM	322.001	4.266	11.628	0.188
6/23/2017 11:36:22 AM	323.001	4.264	11.625	0.191
6/23/2017 11:36:23 AM	324.001	4.265	11.623	0.189
6/23/2017 11:36:24 AM	325.001	4.268	11.612	0.184
6/23/2017 11:36:25 AM	326.001	4.268	11.608	0.183
6/23/2017 11:36:26 AM	327.001	4.267	11.612	0.185
6/23/2017 11:36:27 AM	328.001	4.265	11.618	0.190
6/23/2017 11:36:28 AM	329.001	4.264	11.642	0.191
6/23/2017 11:36:29 AM	330.001	4.268	11.629	0.183
6/23/2017 11:36:30 AM	331.001	4.267	11.640	0.185
6/23/2017 11:36:31 AM	332.001	4.266	11.653	0.186
6/23/2017 11:36:32 AM	333.001	4.262	11.638	0.196
6/23/2017 11:36:33 AM	334.001	4.266	11.613	0.187
6/23/2017 11:36:34 AM	335.001	4.264	11.629	0.191
6/23/2017 11:36:35 AM	336.001	4.267	11.655	0.185
6/23/2017 11:36:36 AM	337.001	4.266	11.632	0.189
6/23/2017 11:36:37 AM	338.001	4.264	11.633	0.192
6/23/2017 11:36:38 AM	339.001	4.267	11.629	0.186
6/23/2017 11:36:39 AM	340.001	4.266	11.674	0.186
6/23/2017 11:36:40 AM	341.001	4.265	11.645	0.189
6/23/2017 11:36:41 AM	342.001	4.267	11.616	0.186
6/23/2017 11:36:42 AM	343.001	4.263	11.640	0.195
6/23/2017 11:36:43 AM	344.001	4.263	11.634	0.194
6/23/2017 11:36:44 AM	345.001	4.267	11.642	0.186
6/23/2017 11:36:45 AM	346.001	4.266	11.647	0.188
6/23/2017 11:36:46 AM	347.001	4.265	11.656	0.190
6/23/2017 11:36:47 AM	348.001	4.266	11.632	0.188
6/23/2017 11:36:48 AM	349.001	4.264	11.641	0.193
6/23/2017 11:36:49 AM	350.001	4.263	11.626	0.195
6/23/2017 11:36:50 AM	351.001	4.266	11.648	0.187
6/23/2017 11:36:51 AM	352.001	4.263	11.657	0.195
6/23/2017 11:36:52 AM	353.001	4.265	11.652	0.189
6/23/2017 11:36:53 AM	354.001	4.268	11.651	0.183
6/23/2017 11:36:54 AM	355.001	4.265	11.649	0.191
6/23/2017 11:36:55 AM	356.001	4.266	11.640	0.188
6/23/2017 11:36:56 AM	357.001	4.265	11.656	0.191
6/23/2017 11:36:57 AM	358.001	4.267	11.654	0.185
6/23/2017 11:36:58 AM	359.001	4.263	11.651	0.194
6/23/2017 11:36:59 AM	360.001	4.265	11.664	0.190
6/23/2017 11:37:00 AM	361.001	4.262	11.645	0.198
6/23/2017 11:37:01 AM	362.001	4.266	11.640	0.188
6/23/2017 11:37:02 AM	363.001	4.265	11.646	0.191

6/23/2017 11:37:03 AM	364.001	4.263	11.695	0.195
6/23/2017 11:37:04 AM	365.001	4.265	11.656	0.190
6/23/2017 11:37:05 AM	366.001	4.266	11.671	0.188
6/23/2017 11:37:06 AM	367.001	4.266	11.655	0.187
6/23/2017 11:37:07 AM	368.001	4.266	11.684	0.188
6/23/2017 11:37:08 AM	369.001	4.267	11.677	0.185
6/23/2017 11:37:09 AM	370.001	4.268	11.650	0.184
6/23/2017 11:37:10 AM	371.001	4.267	11.618	0.184
6/23/2017 11:37:11 AM	372.001	4.265	11.643	0.191
6/23/2017 11:37:12 AM	373.001	4.265	11.658	0.190
6/23/2017 11:37:13 AM	374.001	4.266	11.648	0.187
6/23/2017 11:37:14 AM	375.001	4.265	11.662	0.189
6/23/2017 11:37:15 AM	376.001	4.267	11.677	0.185
6/23/2017 11:37:16 AM	377.001	4.266	11.709	0.187
6/23/2017 11:37:17 AM	378.001	4.266	11.682	0.188
6/23/2017 11:37:18 AM	379.001	4.265	11.674	0.190
6/23/2017 11:37:19 AM	380.001	4.266	11.657	0.187
6/23/2017 11:37:20 AM	381.001	4.266	11.663	0.188
6/23/2017 11:37:21 AM	382.001	4.267	11.640	0.185
6/23/2017 11:37:22 AM	383.001	4.264	11.671	0.191
6/23/2017 11:37:23 AM	384.001	4.267	11.638	0.184
6/23/2017 11:37:24 AM	385.001	4.267	11.667	0.185
6/23/2017 11:37:25 AM	386.001	4.267	11.675	0.186
6/23/2017 11:37:26 AM	387.001	4.265	11.662	0.189
6/23/2017 11:37:27 AM	388.001	4.266	11.645	0.189
6/23/2017 11:37:28 AM	389.001	4.265	11.654	0.190
6/23/2017 11:37:29 AM	390.001	4.263	11.662	0.194
6/23/2017 11:37:30 AM	391.001	4.267	11.648	0.185
6/23/2017 11:37:31 AM	392.001	4.264	11.657	0.191
6/23/2017 11:37:32 AM	393.001	4.265	11.637	0.189
6/23/2017 11:37:33 AM	394.001	4.263	11.679	0.194
6/23/2017 11:37:34 AM	395.001	4.268	11.651	0.182
6/23/2017 11:37:35 AM	396.001	4.269	11.687	0.179
6/23/2017 11:37:36 AM	397.001	4.266	11.703	0.189
6/23/2017 11:37:37 AM	398.001	4.265	11.673	0.191
6/23/2017 11:37:38 AM	399.001	4.267	11.675	0.185
6/23/2017 11:37:39 AM	400.001	4.265	11.652	0.189
6/23/2017 11:37:40 AM	401.001	4.265	11.698	0.189
6/23/2017 11:37:41 AM	402.001	4.265	11.677	0.191
6/23/2017 11:37:42 AM	403.001	4.266	11.685	0.187
6/23/2017 11:37:43 AM	404.001	4.265	11.665	0.189
6/23/2017 11:37:44 AM	405.001	4.267	11.655	0.184
6/23/2017 11:37:45 AM	406.001	4.268	11.685	0.182
6/23/2017 11:37:46 AM	407.001	4.267	11.674	0.186
6/23/2017 11:37:47 AM	408.001	4.267	11.665	0.186
6/23/2017 11:37:48 AM	409.001	4.267	11.688	0.186
6/23/2017 11:37:49 AM	410.001	4.266	11.654	0.187
6/23/2017 11:37:50 AM	411.001	4.268	11.706	0.184
6/23/2017 11:37:51 AM	412.001	4.263	11.694	0.195
6/23/2017 11:37:52 AM	413.001	4.268	11.675	0.184
6/23/2017 11:37:53 AM	414.001	4.266	11.658	0.187
6/23/2017 11:37:54 AM	415.001	4.267	11.662	0.186
6/23/2017 11:37:55 AM	416.001	4.267	11.646	0.184
6/23/2017 11:37:56 AM	417.001	4.266	11.683	0.187
6/23/2017 11:37:57 AM	418.001	4.266	11.655	0.186
6/23/2017 11:37:58 AM	419.001	4.267	11.699	0.184
6/23/2017 11:37:59 AM	420.001	4.268	11.673	0.184
6/23/2017 11:38:00 AM	421.001	4.264	11.675	0.191
6/23/2017 11:38:01 AM	422.001	4.265	11.675	0.189
6/23/2017 11:38:02 AM	423.001	4.264	11.703	0.193
6/23/2017 11:38:03 AM	424.001	4.263	11.673	0.193
6/23/2017 11:38:04 AM	425.001	4.266	11.684	0.187
6/23/2017 11:38:05 AM	426.001	4.265	11.683	0.190

6/23/2017 11:38:06 AM	427.001	4.265	11.662	0.190
6/23/2017 11:38:07 AM	428.001	4.268	11.681	0.182
6/23/2017 11:38:08 AM	429.001	4.264	11.665	0.191
6/23/2017 11:38:09 AM	430.001	4.265	11.667	0.190
6/23/2017 11:38:10 AM	431.001	4.264	11.654	0.191
6/23/2017 11:38:11 AM	432.001	4.264	11.685	0.191
6/23/2017 11:38:12 AM	433.001	4.269	11.696	0.180
6/23/2017 11:38:13 AM	434.001	4.266	11.670	0.187
6/23/2017 11:38:14 AM	435.001	4.265	11.678	0.191
6/23/2017 11:38:15 AM	436.001	4.264	11.697	0.192
6/23/2017 11:38:16 AM	437.001	4.265	11.662	0.190
6/23/2017 11:38:17 AM	438.001	4.269	11.681	0.181
6/23/2017 11:38:18 AM	439.001	4.267	11.697	0.185
6/23/2017 11:38:19 AM	440.001	4.266	11.673	0.186
6/23/2017 11:38:20 AM	441.001	4.266	11.684	0.187
6/23/2017 11:38:21 AM	442.001	4.266	11.690	0.188
6/23/2017 11:38:22 AM	443.001	4.267	11.657	0.186
6/23/2017 11:38:23 AM	444.001	4.268	11.680	0.183
6/23/2017 11:38:24 AM	445.001	4.264	11.668	0.191
6/23/2017 11:38:25 AM	446.001	4.268	11.670	0.183
6/23/2017 11:38:26 AM	447.001	4.267	11.675	0.185
6/23/2017 11:38:27 AM	448.001	4.269	11.689	0.181
6/23/2017 11:38:28 AM	449.001	4.265	11.687	0.190
6/23/2017 11:38:29 AM	450.001	4.264	11.684	0.191
6/23/2017 11:38:30 AM	451.001	4.266	11.647	0.187
6/23/2017 11:38:31 AM	452.001	4.267	11.675	0.185
6/23/2017 11:38:32 AM	453.001	4.266	11.684	0.187
6/23/2017 11:38:33 AM	454.001	4.266	11.682	0.187
6/23/2017 11:38:34 AM	455.001	4.265	11.667	0.189
6/23/2017 11:38:35 AM	456.001	4.265	11.698	0.189
6/23/2017 11:38:36 AM	457.001	4.265	11.695	0.190
6/23/2017 11:38:37 AM	458.001	4.267	11.687	0.186
6/23/2017 11:38:38 AM	459.001	4.268	11.691	0.183
6/23/2017 11:38:39 AM	460.001	4.269	11.675	0.181
6/23/2017 11:38:40 AM	461.001	4.267	11.712	0.184
6/23/2017 11:38:42 AM	463.001	4.266	11.682	0.187
6/23/2017 11:38:42 AM	463.123	4.267	11.706	0.185
6/23/2017 11:38:43 AM	464.001	4.266	11.673	0.188
6/23/2017 11:38:44 AM	465.001	4.264	11.688	0.191
6/23/2017 11:38:45 AM	466.001	4.266	11.674	0.188
6/23/2017 11:38:46 AM	467.001	4.263	11.723	0.194
6/23/2017 11:38:47 AM	468.001	4.262	11.670	0.197
6/23/2017 11:38:48 AM	469.001	4.267	11.676	0.185
6/23/2017 11:38:49 AM	470.001	4.267	11.687	0.185
6/23/2017 11:38:50 AM	471.001	4.267	11.687	0.185
6/23/2017 11:38:51 AM	472.001	4.266	11.712	0.189
6/23/2017 11:38:52 AM	473.001	4.265	11.695	0.189
6/23/2017 11:38:53 AM	474.001	4.265	11.722	0.190
6/23/2017 11:38:54 AM	475.001	4.266	11.673	0.188
6/23/2017 11:38:55 AM	476.001	4.264	11.690	0.192
6/23/2017 11:38:56 AM	477.001	4.266	11.698	0.188
6/23/2017 11:38:57 AM	478.001	4.264	11.695	0.193
6/23/2017 11:38:58 AM	479.001	4.265	11.673	0.189
6/23/2017 11:38:59 AM	480.001	4.264	11.702	0.193
6/23/2017 11:39:00 AM	481.001	4.270	11.697	0.179
6/23/2017 11:39:01 AM	482.001	4.267	11.715	0.184
6/23/2017 11:39:02 AM	483.001	4.265	11.701	0.189
6/23/2017 11:39:03 AM	484.001	4.269	11.712	0.181
6/23/2017 11:39:04 AM	485.001	4.266	11.691	0.186
6/23/2017 11:39:05 AM	486.001	4.266	11.697	0.187
6/23/2017 11:39:06 AM	487.001	4.266	11.687	0.186
6/23/2017 11:39:07 AM	488.001	4.266	11.676	0.188
6/23/2017 11:39:08 AM	489.001	4.266	11.679	0.188

6/23/2017 11:39:09 AM	490.001	4.266	11.687	0.189
6/23/2017 11:39:10 AM	491.001	4.266	11.703	0.187
6/23/2017 11:39:11 AM	492.001	4.267	11.712	0.184
6/23/2017 11:39:12 AM	493.001	4.264	11.737	0.191
6/23/2017 11:39:13 AM	494.001	4.266	11.713	0.188
6/23/2017 11:39:14 AM	495.001	4.264	11.701	0.192
6/23/2017 11:39:15 AM	496.001	4.265	11.692	0.189
6/23/2017 11:39:16 AM	497.001	4.269	11.714	0.181
6/23/2017 11:39:17 AM	498.001	4.264	11.715	0.192
6/23/2017 11:39:18 AM	499.001	4.269	11.682	0.182
6/23/2017 11:39:19 AM	500.001	4.265	11.696	0.189
6/23/2017 11:39:20 AM	501.001	4.270	11.712	0.179
6/23/2017 11:39:21 AM	502.001	4.268	11.703	0.183
6/23/2017 11:39:22 AM	503.001	4.267	11.700	0.186
6/23/2017 11:39:23 AM	504.001	4.267	11.685	0.184
6/23/2017 11:39:24 AM	505.001	4.267	11.681	0.185
6/23/2017 11:39:25 AM	506.001	4.269	11.700	0.181
6/23/2017 11:39:26 AM	507.001	4.269	11.696	0.181
6/23/2017 11:39:27 AM	508.001	4.269	11.696	0.182
6/23/2017 11:39:28 AM	509.001	4.266	11.714	0.188
6/23/2017 11:39:29 AM	510.001	4.270	11.692	0.179
6/23/2017 11:39:30 AM	511.001	4.266	11.686	0.188
6/23/2017 11:39:31 AM	512.001	4.268	11.682	0.184
6/23/2017 11:39:32 AM	513.001	4.269	11.690	0.181
6/23/2017 11:39:33 AM	514.001	4.269	11.708	0.182
6/23/2017 11:39:34 AM	515.001	4.268	11.715	0.183
6/23/2017 11:39:35 AM	516.001	4.269	11.679	0.181
6/23/2017 11:39:36 AM	517.001	4.266	11.714	0.188
6/23/2017 11:39:37 AM	518.001	4.266	11.662	0.188
6/23/2017 11:39:38 AM	519.001	4.271	11.692	0.177
6/23/2017 11:39:39 AM	520.001	4.268	11.695	0.183
6/23/2017 11:39:40 AM	521.001	4.267	11.689	0.186
6/23/2017 11:39:41 AM	522.001	4.266	11.715	0.188
6/23/2017 11:39:42 AM	523.001	4.268	11.698	0.183
6/23/2017 11:39:43 AM	524.001	4.268	11.700	0.184
6/23/2017 11:39:44 AM	525.001	4.268	11.706	0.182
6/23/2017 11:39:45 AM	526.001	4.268	11.704	0.183
6/23/2017 11:39:46 AM	527.001	4.269	11.709	0.180
6/23/2017 11:39:47 AM	528.001	4.267	11.706	0.186
6/23/2017 11:39:48 AM	529.001	4.269	11.698	0.181
6/23/2017 11:39:49 AM	530.001	4.269	11.686	0.181
6/23/2017 11:39:50 AM	531.001	4.268	11.693	0.183
6/23/2017 11:39:51 AM	532.001	4.267	11.707	0.185
6/23/2017 11:39:52 AM	533.001	4.271	11.672	0.176
6/23/2017 11:39:53 AM	534.001	4.268	11.688	0.182
6/23/2017 11:39:54 AM	535.001	4.268	11.704	0.182
6/23/2017 11:39:55 AM	536.001	4.271	11.684	0.177
6/23/2017 11:39:56 AM	537.001	4.268	11.696	0.183
6/23/2017 11:39:57 AM	538.001	4.269	11.700	0.181
6/23/2017 11:39:58 AM	539.001	4.265	11.685	0.190
6/23/2017 11:39:59 AM	540.001	4.269	11.717	0.181
6/23/2017 11:40:00 AM	541.001	4.270	11.700	0.178
6/23/2017 11:40:01 AM	542.001	4.266	11.687	0.187
6/23/2017 11:40:02 AM	543.001	4.266	11.698	0.187
6/23/2017 11:40:03 AM	544.001	4.267	11.693	0.185
6/23/2017 11:40:04 AM	545.001	4.269	11.719	0.180
6/23/2017 11:40:05 AM	546.001	4.271	11.720	0.176
6/23/2017 11:40:06 AM	547.001	4.265	11.701	0.190
6/23/2017 11:40:07 AM	548.001	4.267	11.709	0.185
6/23/2017 11:40:08 AM	549.001	4.267	11.722	0.186
6/23/2017 11:40:09 AM	550.001	4.270	11.723	0.179
6/23/2017 11:40:10 AM	551.001	4.266	11.710	0.189
6/23/2017 11:40:11 AM	552.001	4.267	11.731	0.185

6/23/2017 11:40:12 AM	553.001	4.267	11.697	0.186
6/23/2017 11:40:13 AM	554.001	4.267	11.682	0.186
6/23/2017 11:40:14 AM	555.001	4.267	11.698	0.184
6/23/2017 11:40:15 AM	556.001	4.268	11.720	0.183
6/23/2017 11:40:16 AM	557.001	4.265	11.709	0.189
6/23/2017 11:40:17 AM	558.001	4.268	11.699	0.183
6/23/2017 11:40:18 AM	559.001	4.266	11.692	0.188
6/23/2017 11:40:19 AM	560.001	4.268	11.704	0.183
6/23/2017 11:40:20 AM	561.001	4.267	11.709	0.184
6/23/2017 11:40:21 AM	562.001	4.266	11.703	0.187
6/23/2017 11:40:22 AM	563.001	4.269	11.703	0.182
6/23/2017 11:40:23 AM	564.001	4.265	11.673	0.189
6/23/2017 11:40:24 AM	565.001	4.267	11.703	0.184
6/23/2017 11:40:25 AM	566.001	4.265	11.694	0.189
6/23/2017 11:40:26 AM	567.001	4.267	11.709	0.186
6/23/2017 11:40:27 AM	568.001	4.265	11.692	0.190
6/23/2017 11:40:28 AM	569.001	4.266	11.688	0.189
6/23/2017 11:40:29 AM	570.001	4.264	11.732	0.191
6/23/2017 11:40:30 AM	571.001	4.266	11.710	0.187
6/23/2017 11:40:31 AM	572.001	4.268	11.729	0.183
6/23/2017 11:40:32 AM	573.001	4.270	11.712	0.179
6/23/2017 11:40:33 AM	574.001	4.267	11.694	0.185
6/23/2017 11:40:34 AM	575.001	4.269	11.720	0.181
6/23/2017 11:40:35 AM	576.001	4.266	11.695	0.188
6/23/2017 11:40:36 AM	577.001	4.266	11.720	0.187
6/23/2017 11:40:37 AM	578.001	4.268	11.691	0.184
6/23/2017 11:40:38 AM	579.001	4.266	11.684	0.187
6/23/2017 11:40:39 AM	580.001	4.263	11.710	0.194
6/23/2017 11:40:40 AM	581.001	4.271	11.709	0.175
6/23/2017 11:40:41 AM	582.001	4.269	11.706	0.180
6/23/2017 11:40:42 AM	583.001	4.265	11.726	0.191
6/23/2017 11:40:43 AM	584.001	4.268	11.672	0.184
6/23/2017 11:40:44 AM	585.001	4.266	11.697	0.188
6/23/2017 11:40:45 AM	586.001	4.269	11.713	0.181
6/23/2017 11:40:46 AM	587.001	4.266	11.717	0.187
6/23/2017 11:40:47 AM	588.001	4.267	11.712	0.186
6/23/2017 11:40:48 AM	589.001	4.269	11.754	0.182
6/23/2017 11:40:49 AM	590.001	4.264	11.709	0.193
6/23/2017 11:40:50 AM	591.001	4.268	11.706	0.184
6/23/2017 11:40:51 AM	592.001	4.266	11.681	0.187
6/23/2017 11:40:52 AM	593.001	4.269	11.705	0.181
6/23/2017 11:40:53 AM	594.001	4.266	11.699	0.187
6/23/2017 11:40:54 AM	595.001	4.268	11.709	0.183
6/23/2017 11:40:55 AM	596.001	4.268	11.722	0.182
6/23/2017 11:40:56 AM	597.001	4.268	11.712	0.183
6/23/2017 11:40:57 AM	598.001	4.268	11.727	0.182
6/23/2017 11:40:58 AM	599.001	4.266	11.719	0.187
6/23/2017 11:40:59 AM	600.001	4.268	11.687	0.183
6/23/2017 11:41:00 AM	601.001	4.269	11.703	0.181
6/23/2017 11:41:01 AM	602.001	4.269	11.681	0.180
6/23/2017 11:41:02 AM	603.001	4.267	11.701	0.185
6/23/2017 11:41:03 AM	604.001	4.265	11.709	0.189
6/23/2017 11:41:04 AM	605.001	4.269	11.721	0.182
6/23/2017 11:41:05 AM	606.001	4.269	11.703	0.181
6/23/2017 11:41:06 AM	607.001	4.269	11.713	0.182
6/23/2017 11:41:07 AM	608.001	4.269	11.698	0.180
6/23/2017 11:41:08 AM	609.001	4.271	11.702	0.177
6/23/2017 11:41:09 AM	610.001	4.266	11.726	0.187
6/23/2017 11:41:10 AM	611.001	4.268	11.687	0.183
6/23/2017 11:41:11 AM	612.001	4.270	11.720	0.178
6/23/2017 11:41:12 AM	613.001	4.267	11.698	0.184
6/23/2017 11:41:13 AM	614.001	4.268	11.724	0.182
6/23/2017 11:41:14 AM	615.001	4.268	11.718	0.183

6/23/2017 11:41:15 AM	616.001	4.267	11.711	0.185
6/23/2017 11:41:16 AM	617.001	4.268	11.732	0.183
6/23/2017 11:41:17 AM	618.001	4.269	11.723	0.182
6/23/2017 11:41:18 AM	619.001	4.267	11.704	0.185
6/23/2017 11:41:19 AM	620.001	4.270	11.717	0.178
6/23/2017 11:41:20 AM	621.001	4.269	11.700	0.180
6/23/2017 11:41:21 AM	622.001	4.270	11.717	0.178
6/23/2017 11:41:22 AM	623.001	4.268	11.741	0.183
6/23/2017 11:41:23 AM	624.001	4.268	11.697	0.183
6/23/2017 11:41:24 AM	625.001	4.269	11.715	0.181
6/23/2017 11:41:25 AM	626.001	4.270	11.722	0.178
6/23/2017 11:41:26 AM	627.001	4.270	11.732	0.178
6/23/2017 11:41:27 AM	628.001	4.271	11.729	0.176
6/23/2017 11:41:28 AM	629.001	4.268	11.736	0.183
6/23/2017 11:41:29 AM	630.001	4.270	11.694	0.178
6/23/2017 11:41:30 AM	631.001	4.269	11.727	0.180
6/23/2017 11:41:31 AM	632.001	4.269	11.703	0.181
6/23/2017 11:41:32 AM	633.001	4.268	11.725	0.184
6/23/2017 11:41:33 AM	634.001	4.268	11.731	0.182
6/23/2017 11:41:34 AM	635.001	4.267	11.732	0.186
6/23/2017 11:41:35 AM	636.001	4.266	11.722	0.188
6/23/2017 11:41:36 AM	637.001	4.270	11.718	0.178
6/23/2017 11:41:37 AM	638.001	4.265	11.723	0.190
6/23/2017 11:41:38 AM	639.001	4.266	11.731	0.187
6/23/2017 11:41:39 AM	640.001	4.269	11.750	0.182
6/23/2017 11:41:40 AM	641.001	4.269	11.720	0.180
6/23/2017 11:41:41 AM	642.001	4.269	11.717	0.180
6/23/2017 11:41:42 AM	643.001	4.269	11.732	0.181
6/23/2017 11:41:43 AM	644.001	4.266	11.733	0.187
6/23/2017 11:41:44 AM	645.001	4.268	11.700	0.184
6/23/2017 11:41:45 AM	646.001	4.268	11.731	0.183
6/23/2017 11:41:46 AM	647.001	4.268	11.719	0.183
6/23/2017 11:41:47 AM	648.001	4.271	11.722	0.175
6/23/2017 11:41:48 AM	649.001	4.268	11.718	0.182
6/23/2017 11:41:49 AM	650.001	4.266	11.722	0.187
6/23/2017 11:41:50 AM	651.001	4.269	11.705	0.181
6/23/2017 11:41:51 AM	652.001	4.268	11.720	0.183
6/23/2017 11:41:52 AM	653.001	4.267	11.688	0.186
6/23/2017 11:41:53 AM	654.001	4.266	11.704	0.188
6/23/2017 11:41:54 AM	655.001	4.269	11.714	0.182
6/23/2017 11:41:55 AM	656.001	4.268	11.703	0.183
6/23/2017 11:41:56 AM	657.001	4.269	11.742	0.181
6/23/2017 11:41:57 AM	658.001	4.270	11.731	0.178
6/23/2017 11:41:58 AM	659.001	4.267	11.733	0.186
6/23/2017 11:41:59 AM	660.001	4.271	11.688	0.177
6/23/2017 11:42:00 AM	661.001	4.269	11.713	0.180
6/23/2017 11:42:01 AM	662.001	4.269	11.755	0.180
6/23/2017 11:42:02 AM	663.001	4.269	11.730	0.181
6/23/2017 11:42:03 AM	664.001	4.268	11.743	0.184
6/23/2017 11:42:04 AM	665.001	4.269	11.750	0.181
6/23/2017 11:42:05 AM	666.001	4.270	11.727	0.178
6/23/2017 11:42:06 AM	667.001	4.269	11.727	0.182
6/23/2017 11:42:07 AM	668.001	4.268	11.734	0.183
6/23/2017 11:42:08 AM	669.001	4.268	11.720	0.184
6/23/2017 11:42:09 AM	670.001	4.267	11.708	0.186
6/23/2017 11:42:10 AM	671.001	4.267	11.739	0.184
6/23/2017 11:42:11 AM	672.001	4.268	11.733	0.184
6/23/2017 11:42:12 AM	673.001	4.268	11.740	0.183
6/23/2017 11:42:13 AM	674.001	4.268	11.725	0.183
6/23/2017 11:42:14 AM	675.001	4.267	11.722	0.184
6/23/2017 11:42:15 AM	676.001	4.269	11.723	0.180
6/23/2017 11:42:16 AM	677.001	4.266	11.776	0.188
6/23/2017 11:42:17 AM	678.001	4.266	11.732	0.188

6/23/2017 11:42:18 AM	679.001	4.268	11.716	0.183
6/23/2017 11:42:19 AM	680.001	4.268	11.714	0.183
6/23/2017 11:42:20 AM	681.001	4.267	11.736	0.185
6/23/2017 11:42:21 AM	682.001	4.269	11.710	0.181
6/23/2017 11:42:22 AM	683.001	4.268	11.746	0.182
6/23/2017 11:42:23 AM	684.001	4.272	11.741	0.174
6/23/2017 11:42:24 AM	685.001	4.269	11.747	0.181
6/23/2017 11:42:25 AM	686.001	4.268	11.739	0.183
6/23/2017 11:42:26 AM	687.001	4.267	11.748	0.185
6/23/2017 11:42:27 AM	688.001	4.269	11.734	0.182
6/23/2017 11:42:28 AM	689.001	4.269	11.727	0.180
6/23/2017 11:42:29 AM	690.001	4.269	11.717	0.181
6/23/2017 11:42:30 AM	691.001	4.270	11.727	0.178
6/23/2017 11:42:31 AM	692.001	4.265	11.746	0.189
6/23/2017 11:42:32 AM	693.001	4.269	11.730	0.180
6/23/2017 11:42:33 AM	694.001	4.270	11.712	0.179
6/23/2017 11:42:34 AM	695.001	4.271	11.732	0.175
6/23/2017 11:42:35 AM	696.001	4.268	11.739	0.183
6/23/2017 11:42:36 AM	697.001	4.267	11.720	0.184
6/23/2017 11:42:37 AM	698.001	4.271	11.742	0.177
6/23/2017 11:42:38 AM	699.001	4.267	11.756	0.184
6/23/2017 11:42:39 AM	700.001	4.267	11.735	0.186
6/23/2017 11:42:40 AM	701.001	4.268	11.734	0.182
6/23/2017 11:42:41 AM	702.001	4.270	11.724	0.178
6/23/2017 11:42:42 AM	703.001	4.273	11.756	0.171
6/23/2017 11:42:43 AM	704.001	4.268	11.741	0.182
6/23/2017 11:42:44 AM	705.001	4.266	11.720	0.187
6/23/2017 11:42:45 AM	706.001	4.270	11.735	0.179
6/23/2017 11:42:46 AM	707.001	4.270	11.746	0.178
6/23/2017 11:42:47 AM	708.001	4.270	11.748	0.178
6/23/2017 11:42:48 AM	709.001	4.268	11.731	0.182
6/23/2017 11:42:49 AM	710.001	4.267	11.736	0.185
6/23/2017 11:42:50 AM	711.001	4.271	11.740	0.177
6/23/2017 11:42:51 AM	712.001	4.269	11.748	0.180
6/23/2017 11:42:52 AM	713.001	4.269	11.731	0.180
6/23/2017 11:42:53 AM	714.001	4.271	11.742	0.177
6/23/2017 11:42:54 AM	715.001	4.270	11.750	0.178
6/23/2017 11:42:55 AM	716.001	4.269	11.698	0.180
6/23/2017 11:42:56 AM	717.001	4.270	11.720	0.177
6/23/2017 11:42:57 AM	718.001	4.268	11.721	0.183
6/23/2017 11:42:58 AM	719.001	4.269	11.767	0.181
6/23/2017 11:42:59 AM	720.001	4.271	11.729	0.176
6/23/2017 11:43:00 AM	721.001	4.269	11.749	0.180
6/23/2017 11:43:01 AM	722.001	4.268	11.734	0.183
6/23/2017 11:43:02 AM	723.001	4.270	11.731	0.178
6/23/2017 11:43:03 AM	724.001	4.265	11.745	0.189
6/23/2017 11:43:04 AM	725.001	4.272	11.736	0.175
6/23/2017 11:43:05 AM	726.001	4.269	11.723	0.181
6/23/2017 11:43:06 AM	727.001	4.270	11.740	0.178
6/23/2017 11:43:07 AM	728.001	4.267	11.764	0.185
6/23/2017 11:43:08 AM	729.001	4.270	11.727	0.178
6/23/2017 11:43:09 AM	730.001	4.271	11.748	0.176
6/23/2017 11:43:10 AM	731.001	4.269	11.736	0.182
6/23/2017 11:43:11 AM	732.001	4.270	11.731	0.177
6/23/2017 11:43:12 AM	733.001	4.269	11.739	0.180
6/23/2017 11:43:13 AM	734.001	4.267	11.740	0.185
6/23/2017 11:43:14 AM	735.001	4.266	11.770	0.187
6/23/2017 11:43:15 AM	736.001	4.268	11.748	0.184
6/23/2017 11:43:16 AM	737.001	4.271	11.755	0.177
6/23/2017 11:43:17 AM	738.001	4.270	11.730	0.178
6/23/2017 11:43:18 AM	739.001	4.269	11.738	0.181
6/23/2017 11:43:19 AM	740.001	4.271	11.748	0.177
6/23/2017 11:43:20 AM	741.001	4.270	11.752	0.179

6/23/2017 11:43:21 AM	742.001	4.267	11.745	0.184
6/23/2017 11:43:22 AM	743.001	4.268	11.727	0.183
6/23/2017 11:43:23 AM	744.001	4.270	11.742	0.178
6/23/2017 11:43:24 AM	745.001	4.272	11.740	0.173
6/23/2017 11:43:25 AM	746.001	4.269	11.757	0.181
6/23/2017 11:43:26 AM	747.001	4.269	11.714	0.181
6/23/2017 11:43:27 AM	748.001	4.272	11.754	0.174
6/23/2017 11:43:28 AM	749.001	4.269	11.725	0.181
6/23/2017 11:43:29 AM	750.001	4.268	11.749	0.183
6/23/2017 11:43:30 AM	751.001	4.267	11.727	0.185
6/23/2017 11:43:31 AM	752.001	4.269	11.746	0.180
6/23/2017 11:43:32 AM	753.001	4.270	11.742	0.178
6/23/2017 11:43:33 AM	754.001	4.266	11.725	0.186
6/23/2017 11:43:34 AM	755.001	4.272	11.727	0.174
6/23/2017 11:43:35 AM	756.001	4.269	11.754	0.181
6/23/2017 11:43:36 AM	757.001	4.269	11.728	0.181
6/23/2017 11:43:37 AM	758.001	4.271	11.765	0.175
6/23/2017 11:43:38 AM	759.001	4.269	11.737	0.180
6/23/2017 11:43:39 AM	760.001	4.268	11.753	0.184
6/23/2017 11:43:40 AM	761.001	4.269	11.750	0.181
6/23/2017 11:43:41 AM	762.001	4.270	11.739	0.178
6/23/2017 11:43:42 AM	763.001	4.269	11.732	0.180
6/23/2017 11:43:43 AM	764.001	4.267	11.754	0.184
6/23/2017 11:43:44 AM	765.001	4.270	11.753	0.179
6/23/2017 11:43:45 AM	766.001	4.268	11.759	0.182
6/23/2017 11:43:46 AM	767.001	4.268	11.752	0.183
6/23/2017 11:43:47 AM	768.001	4.267	11.770	0.184
6/23/2017 11:43:48 AM	769.001	4.268	11.745	0.183
6/23/2017 11:43:49 AM	770.001	4.267	11.776	0.186
6/23/2017 11:43:50 AM	771.001	4.269	11.723	0.181
6/23/2017 11:43:51 AM	772.001	4.268	11.753	0.184
6/23/2017 11:43:52 AM	773.001	4.270	11.748	0.179
6/23/2017 11:43:53 AM	774.001	4.267	11.738	0.184
6/23/2017 11:43:54 AM	775.001	4.267	11.751	0.186
6/23/2017 11:43:55 AM	776.001	4.270	11.750	0.179
6/23/2017 11:43:56 AM	777.001	4.268	11.749	0.182
6/23/2017 11:43:57 AM	778.001	4.268	11.761	0.182
6/23/2017 11:43:58 AM	779.001	4.270	11.766	0.179
6/23/2017 11:43:59 AM	780.001	4.268	11.759	0.183
6/23/2017 11:44:00 AM	781.001	4.267	11.751	0.185
6/23/2017 11:44:01 AM	782.001	4.266	11.724	0.187
6/23/2017 11:44:02 AM	783.001	4.271	11.770	0.177
6/23/2017 11:44:03 AM	784.001	4.270	11.764	0.178
6/23/2017 11:44:04 AM	785.001	4.266	11.744	0.188
6/23/2017 11:44:05 AM	786.001	4.268	11.754	0.184
6/23/2017 11:44:06 AM	787.001	4.269	11.770	0.181
6/23/2017 11:44:07 AM	788.001	4.269	11.718	0.181
6/23/2017 11:44:08 AM	789.001	4.269	11.767	0.181
6/23/2017 11:44:09 AM	790.001	4.268	11.738	0.183
6/23/2017 11:44:10 AM	791.001	4.271	11.766	0.177
6/23/2017 11:44:11 AM	792.001	4.269	11.770	0.181
6/23/2017 11:44:12 AM	793.001	4.270	11.764	0.178
6/23/2017 11:44:13 AM	794.001	4.269	11.749	0.180
6/23/2017 11:44:14 AM	795.001	4.268	11.755	0.182
6/23/2017 11:44:15 AM	796.001	4.270	11.791	0.179
6/23/2017 11:44:16 AM	797.001	4.269	11.765	0.181
6/23/2017 11:44:17 AM	798.001	4.268	11.762	0.183
6/23/2017 11:44:18 AM	799.001	4.269	11.758	0.180
6/23/2017 11:44:19 AM	800.001	4.266	11.756	0.186
6/23/2017 11:44:20 AM	801.001	4.268	11.760	0.182
6/23/2017 11:44:21 AM	802.001	4.269	11.771	0.181
6/23/2017 11:44:22 AM	803.001	4.267	11.748	0.184
6/23/2017 11:44:23 AM	804.001	4.270	11.751	0.178

6/23/2017 11:44:24 AM	805.001	4.270	11.755	0.179
6/23/2017 11:44:25 AM	806.001	4.270	11.747	0.178
6/23/2017 11:44:26 AM	807.001	4.269	11.760	0.180
6/23/2017 11:44:27 AM	808.001	4.270	11.778	0.177
6/23/2017 11:44:28 AM	809.001	4.271	11.764	0.175
6/23/2017 11:44:29 AM	810.001	4.269	11.764	0.181
6/23/2017 11:44:30 AM	811.001	4.269	11.763	0.181
6/23/2017 11:44:31 AM	812.001	4.268	11.795	0.182
6/23/2017 11:44:32 AM	813.001	4.267	11.730	0.184
6/23/2017 11:44:33 AM	814.001	4.270	11.759	0.178
6/23/2017 11:44:34 AM	815.001	4.268	11.793	0.183
6/23/2017 11:44:35 AM	816.001	4.270	11.779	0.179
6/23/2017 11:44:36 AM	817.001	4.273	11.750	0.171
6/23/2017 11:44:37 AM	818.001	4.271	11.771	0.177
6/23/2017 11:44:38 AM	819.001	4.272	11.759	0.175
6/23/2017 11:44:39 AM	820.001	4.269	11.753	0.181
6/23/2017 11:44:40 AM	821.001	4.269	11.758	0.180
6/23/2017 11:44:41 AM	822.001	4.269	11.754	0.180
6/23/2017 11:44:42 AM	823.001	4.271	11.783	0.177
6/23/2017 11:44:43 AM	824.001	4.271	11.766	0.175
6/23/2017 11:44:44 AM	825.001	4.270	11.766	0.179
6/23/2017 11:44:45 AM	826.001	4.269	11.755	0.180
6/23/2017 11:44:46 AM	827.001	4.269	11.759	0.180
6/23/2017 11:44:47 AM	828.001	4.271	11.773	0.177
6/23/2017 11:44:48 AM	829.001	4.265	11.772	0.190
6/23/2017 11:44:49 AM	830.001	4.270	11.786	0.179
6/23/2017 11:44:50 AM	831.001	4.268	11.799	0.182
6/23/2017 11:44:51 AM	832.001	4.270	11.772	0.178
6/23/2017 11:44:52 AM	833.001	4.269	11.772	0.181
6/23/2017 11:44:53 AM	834.001	4.269	11.792	0.181
6/23/2017 11:44:54 AM	835.001	4.268	11.781	0.182
6/23/2017 11:44:55 AM	836.001	4.271	11.763	0.175
6/23/2017 11:44:56 AM	837.001	4.271	11.763	0.176
6/23/2017 11:44:57 AM	838.001	4.271	11.750	0.176
6/23/2017 11:44:58 AM	839.001	4.271	11.766	0.177
6/23/2017 11:44:59 AM	840.001	4.269	11.767	0.181
6/23/2017 11:45:00 AM	841.001	4.270	11.752	0.178
6/23/2017 11:45:01 AM	842.001	4.271	11.753	0.175
6/23/2017 11:45:02 AM	843.001	4.272	11.770	0.175
6/23/2017 11:45:03 AM	844.001	4.271	11.770	0.175
6/23/2017 11:45:04 AM	845.001	4.272	11.779	0.173
6/23/2017 11:45:05 AM	846.001	4.271	11.775	0.176
6/23/2017 11:45:06 AM	847.001	4.272	11.781	0.175
6/23/2017 11:45:07 AM	848.001	4.270	11.786	0.179
6/23/2017 11:45:08 AM	849.001	4.268	11.759	0.183
6/23/2017 11:45:09 AM	850.001	4.270	11.772	0.178
6/23/2017 11:45:10 AM	851.001	4.268	11.783	0.182
6/23/2017 11:45:11 AM	852.001	4.272	11.775	0.174
6/23/2017 11:45:12 AM	853.001	4.268	11.784	0.182
6/23/2017 11:45:13 AM	854.001	4.271	11.759	0.177
6/23/2017 11:45:14 AM	855.001	4.271	11.809	0.177
6/23/2017 11:45:15 AM	856.001	4.269	11.778	0.182
6/23/2017 11:45:16 AM	857.001	4.271	11.771	0.176
6/23/2017 11:45:17 AM	858.001	4.271	11.794	0.176
6/23/2017 11:45:18 AM	859.001	4.270	11.782	0.177
6/23/2017 11:45:19 AM	860.001	4.270	11.767	0.178
6/23/2017 11:45:20 AM	861.001	4.271	11.783	0.176
6/23/2017 11:45:21 AM	862.001	4.268	11.747	0.182
6/23/2017 11:45:22 AM	863.001	4.270	11.733	0.178
6/23/2017 11:45:23 AM	864.001	4.272	11.791	0.173
6/23/2017 11:45:24 AM	865.001	4.270	11.783	0.179
6/23/2017 11:45:25 AM	866.001	4.270	11.778	0.178
6/23/2017 11:45:26 AM	867.001	4.269	11.773	0.181

6/23/2017 11:45:27 AM	868.001	4.269	11.773	0.180
6/23/2017 11:45:28 AM	869.001	4.273	11.805	0.172
6/23/2017 11:45:29 AM	870.001	4.271	11.744	0.175
6/23/2017 11:45:30 AM	871.001	4.273	11.783	0.171
6/23/2017 11:45:31 AM	872.001	4.269	11.797	0.180
6/23/2017 11:45:32 AM	873.001	4.270	11.786	0.179
6/23/2017 11:45:33 AM	874.001	4.272	11.777	0.174
6/23/2017 11:45:34 AM	875.001	4.269	11.779	0.182
6/23/2017 11:45:35 AM	876.001	4.270	11.783	0.177
6/23/2017 11:45:36 AM	877.001	4.272	11.781	0.174
6/23/2017 11:45:37 AM	878.001	4.270	11.787	0.179
6/23/2017 11:45:38 AM	879.001	4.271	11.797	0.175
6/23/2017 11:45:39 AM	880.001	4.268	11.783	0.182
6/23/2017 11:45:40 AM	881.001	4.273	11.780	0.172
6/23/2017 11:45:41 AM	882.001	4.268	11.770	0.182
6/23/2017 11:45:42 AM	883.001	4.271	11.801	0.175
6/23/2017 11:45:43 AM	884.001	4.271	11.785	0.176
6/23/2017 11:45:44 AM	885.001	4.272	11.793	0.173
6/23/2017 11:45:45 AM	886.001	4.271	11.779	0.176
6/23/2017 11:45:46 AM	887.001	4.271	11.761	0.177
6/23/2017 11:45:47 AM	888.001	4.271	11.798	0.175
6/23/2017 11:45:48 AM	889.001	4.272	11.808	0.173
6/23/2017 11:45:49 AM	890.001	4.271	11.778	0.177
6/23/2017 11:45:50 AM	891.001	4.268	11.759	0.183
6/23/2017 11:45:51 AM	892.001	4.272	11.780	0.173
6/23/2017 11:45:52 AM	893.001	4.269	11.793	0.181
6/23/2017 11:45:53 AM	894.001	4.269	11.775	0.180
6/23/2017 11:45:54 AM	895.001	4.274	11.797	0.168
6/23/2017 11:45:55 AM	896.001	4.270	11.793	0.179
6/23/2017 11:45:56 AM	897.001	4.269	11.777	0.181
6/23/2017 11:45:57 AM	898.001	4.271	11.780	0.176
6/23/2017 11:45:58 AM	899.001	4.271	11.783	0.176
6/23/2017 11:45:59 AM	900.001	4.273	11.766	0.171
6/23/2017 11:46:00 AM	901.001	4.269	11.748	0.181
6/23/2017 11:46:01 AM	902.001	4.270	11.783	0.179
6/23/2017 11:46:02 AM	903.001	4.270	11.793	0.178
6/23/2017 11:46:03 AM	904.001	4.269	11.753	0.182
6/23/2017 11:46:04 AM	905.001	4.271	11.778	0.175
6/23/2017 11:46:05 AM	906.001	4.272	11.782	0.174
6/23/2017 11:46:06 AM	907.001	4.270	11.756	0.179
6/23/2017 11:46:07 AM	908.001	4.271	11.795	0.176
6/23/2017 11:46:08 AM	909.001	4.271	11.788	0.176
6/23/2017 11:46:09 AM	910.001	4.271	11.778	0.176
6/23/2017 11:46:10 AM	911.001	4.269	11.785	0.180
6/23/2017 11:46:11 AM	912.001	4.270	11.789	0.179
6/23/2017 11:46:12 AM	913.001	4.268	11.783	0.183
6/23/2017 11:46:13 AM	914.001	4.270	11.789	0.178
6/23/2017 11:46:14 AM	915.001	4.269	11.786	0.180
6/23/2017 11:46:15 AM	916.001	4.272	11.787	0.173
6/23/2017 11:46:16 AM	917.001	4.269	11.798	0.180
6/23/2017 11:46:17 AM	918.001	4.267	11.775	0.185
6/23/2017 11:46:18 AM	919.001	4.270	11.773	0.178
6/23/2017 11:46:19 AM	920.001	4.272	11.784	0.173
6/23/2017 11:46:20 AM	921.001	4.271	11.784	0.175
6/23/2017 11:46:21 AM	922.001	4.269	11.808	0.180
6/23/2017 11:46:22 AM	923.001	4.272	11.775	0.173
6/23/2017 11:46:23 AM	924.001	4.270	11.786	0.178
6/23/2017 11:46:24 AM	925.001	4.271	11.807	0.176
6/23/2017 11:46:25 AM	926.001	4.274	11.761	0.168
6/23/2017 11:46:26 AM	927.001	4.270	11.794	0.179
6/23/2017 11:46:27 AM	928.001	4.271	11.802	0.175
6/23/2017 11:46:28 AM	929.001	4.267	11.795	0.186
6/23/2017 11:46:29 AM	930.001	4.273	11.809	0.172

6/23/2017 11:46:30 AM	931.001	4.271	11.764	0.176
6/23/2017 11:46:31 AM	932.001	4.272	11.800	0.173
6/23/2017 11:46:32 AM	933.001	4.268	11.772	0.183
6/23/2017 11:46:33 AM	934.001	4.272	11.751	0.175
6/23/2017 11:46:34 AM	935.001	4.272	11.803	0.173
6/23/2017 11:46:35 AM	936.001	4.270	11.784	0.179
6/23/2017 11:46:36 AM	937.001	4.269	11.784	0.182
6/23/2017 11:46:37 AM	938.001	4.271	11.798	0.177
6/23/2017 11:46:38 AM	939.001	4.271	11.770	0.176
6/23/2017 11:46:39 AM	940.001	4.271	11.785	0.175
6/23/2017 11:46:40 AM	941.001	4.272	11.798	0.175
6/23/2017 11:46:41 AM	942.001	4.272	11.778	0.173
6/23/2017 11:46:42 AM	943.001	4.270	11.802	0.178
6/23/2017 11:46:43 AM	944.001	4.268	11.818	0.183
6/23/2017 11:46:44 AM	945.001	4.272	11.781	0.175
6/23/2017 11:46:45 AM	946.001	4.273	11.795	0.170
6/23/2017 11:46:46 AM	947.001	4.273	11.776	0.171
6/23/2017 11:46:47 AM	948.001	4.271	11.767	0.176
6/23/2017 11:46:48 AM	949.001	4.272	11.811	0.173
6/23/2017 11:46:49 AM	950.001	4.272	11.797	0.174
6/23/2017 11:46:50 AM	951.001	4.272	11.750	0.173
6/23/2017 11:46:51 AM	952.001	4.273	11.770	0.171
6/23/2017 11:46:52 AM	953.001	4.272	11.807	0.174
6/23/2017 11:46:53 AM	954.001	4.273	11.796	0.172
6/23/2017 11:46:54 AM	955.001	4.272	11.809	0.173
6/23/2017 11:46:55 AM	956.001	4.271	11.770	0.176
6/23/2017 11:46:56 AM	957.001	4.272	11.788	0.173
6/23/2017 11:46:57 AM	958.001	4.270	11.795	0.179
6/23/2017 11:46:58 AM	959.001	4.269	11.792	0.181
6/23/2017 11:46:59 AM	960.001	4.271	11.797	0.175
6/23/2017 11:47:00 AM	961.001	4.275	11.778	0.168
6/23/2017 11:47:01 AM	962.001	4.272	11.772	0.174
6/23/2017 11:47:02 AM	963.001	4.273	11.781	0.172
6/23/2017 11:47:03 AM	964.001	4.270	11.790	0.178
6/23/2017 11:47:04 AM	965.001	4.273	11.772	0.172
6/23/2017 11:47:05 AM	966.001	4.274	11.772	0.169
6/23/2017 11:47:06 AM	967.001	4.272	11.791	0.174
6/23/2017 11:47:07 AM	968.001	4.273	11.775	0.172
6/23/2017 11:47:08 AM	969.001	4.274	11.792	0.168
6/23/2017 11:47:09 AM	970.001	4.271	11.777	0.176
6/23/2017 11:47:10 AM	971.001	4.272	11.775	0.173
6/23/2017 11:47:11 AM	972.001	4.273	11.783	0.172
6/23/2017 11:47:12 AM	973.001	4.269	11.792	0.180
6/23/2017 11:47:13 AM	974.001	4.272	11.788	0.173
6/23/2017 11:47:14 AM	975.001	4.272	11.789	0.173
6/23/2017 11:47:15 AM	976.001	4.271	11.790	0.176
6/23/2017 11:47:16 AM	977.001	4.269	11.799	0.180
6/23/2017 11:47:17 AM	978.001	4.272	11.789	0.173
6/23/2017 11:47:18 AM	979.001	4.274	11.786	0.169
6/23/2017 11:47:19 AM	980.001	4.273	11.783	0.171
6/23/2017 11:47:20 AM	981.001	4.272	11.772	0.174
6/23/2017 11:47:21 AM	982.001	4.270	11.786	0.178
6/23/2017 11:47:22 AM	983.001	4.269	11.782	0.180
6/23/2017 11:47:23 AM	984.001	4.272	11.787	0.174
6/23/2017 11:47:24 AM	985.001	4.273	11.801	0.172
6/23/2017 11:47:25 AM	986.001	4.271	11.803	0.176
6/23/2017 11:47:26 AM	987.001	4.273	11.778	0.172
6/23/2017 11:47:27 AM	988.001	4.270	11.806	0.179
6/23/2017 11:47:28 AM	989.001	4.271	11.794	0.177
6/23/2017 11:47:29 AM	990.001	4.272	11.812	0.173
6/23/2017 11:47:30 AM	991.001	4.270	11.778	0.179
6/23/2017 11:47:31 AM	992.001	4.273	11.792	0.172
6/23/2017 11:47:32 AM	993.001	4.272	11.787	0.174

6/23/2017 11:47:33 AM	994.001	4.270	11.786	0.178
6/23/2017 11:47:34 AM	995.001	4.271	11.783	0.177
6/23/2017 11:47:35 AM	996.001	4.273	11.806	0.172
6/23/2017 11:47:36 AM	997.001	4.273	11.772	0.172
6/23/2017 11:47:37 AM	998.001	4.270	11.786	0.178
6/23/2017 11:47:38 AM	999.001	4.274	11.793	0.169
6/23/2017 11:47:39 AM	1000.001	4.272	11.799	0.174
6/23/2017 11:47:40 AM	1001.001	4.272	11.815	0.173
6/23/2017 11:47:41 AM	1002.001	4.272	11.769	0.174
6/23/2017 11:47:42 AM	1003.001	4.272	11.797	0.173
6/23/2017 11:47:43 AM	1004.001	4.272	11.791	0.173
6/23/2017 11:47:44 AM	1005.001	4.273	11.795	0.172
6/23/2017 11:47:45 AM	1006.001	4.276	11.756	0.165
6/23/2017 11:47:46 AM	1007.001	4.271	11.772	0.176
6/23/2017 11:47:47 AM	1008.001	4.271	11.778	0.175
6/23/2017 11:47:48 AM	1009.001	4.275	11.801	0.167
6/23/2017 11:47:49 AM	1010.001	4.271	11.789	0.175
6/23/2017 11:47:50 AM	1011.001	4.272	11.815	0.173
6/23/2017 11:47:51 AM	1012.001	4.272	11.772	0.173
6/23/2017 11:47:52 AM	1013.001	4.270	11.819	0.178
6/23/2017 11:47:53 AM	1014.001	4.271	11.777	0.176
6/23/2017 11:47:54 AM	1015.001	4.273	11.790	0.171
6/23/2017 11:47:55 AM	1016.001	4.272	11.728	0.174
6/23/2017 11:47:56 AM	1017.001	4.274	11.790	0.169
6/23/2017 11:47:57 AM	1018.001	4.273	11.783	0.172
6/23/2017 11:47:58 AM	1019.001	4.269	11.806	0.180
6/23/2017 11:47:59 AM	1020.001	4.272	11.809	0.173
6/23/2017 11:48:00 AM	1021.001	4.274	11.810	0.169
6/23/2017 11:48:01 AM	1022.001	4.270	11.800	0.178
6/23/2017 11:48:02 AM	1023.001	4.274	11.799	0.169
6/23/2017 11:48:03 AM	1024.001	4.276	11.781	0.165
6/23/2017 11:48:04 AM	1025.001	4.273	11.767	0.170
6/23/2017 11:48:05 AM	1026.001	4.273	11.794	0.172
6/23/2017 11:48:06 AM	1027.001	4.275	11.792	0.166
6/23/2017 11:48:07 AM	1028.001	4.274	11.790	0.170
6/23/2017 11:48:08 AM	1029.001	4.272	11.795	0.173
6/23/2017 11:48:09 AM	1030.001	4.271	11.777	0.176
6/23/2017 11:48:10 AM	1031.001	4.272	11.792	0.174
6/23/2017 11:48:11 AM	1032.001	4.273	11.787	0.172
6/23/2017 11:48:12 AM	1033.001	4.271	11.797	0.175
6/23/2017 11:48:13 AM	1034.001	4.271	11.803	0.175
6/23/2017 11:48:14 AM	1035.001	4.274	11.808	0.169
6/23/2017 11:48:15 AM	1036.001	4.273	11.774	0.172
6/23/2017 11:48:16 AM	1037.001	4.272	11.808	0.174
6/23/2017 11:48:17 AM	1038.001	4.272	11.796	0.173
6/23/2017 11:48:18 AM	1039.001	4.272	11.758	0.174
6/23/2017 11:48:19 AM	1040.001	4.272	11.786	0.174
6/23/2017 11:48:20 AM	1041.001	4.271	11.788	0.175
6/23/2017 11:48:21 AM	1042.001	4.274	11.803	0.169
6/23/2017 11:48:22 AM	1043.001	4.268	11.780	0.182
6/23/2017 11:48:23 AM	1044.001	4.273	11.772	0.171
6/23/2017 11:48:24 AM	1045.001	4.273	11.810	0.171
6/23/2017 11:48:25 AM	1046.001	4.271	11.778	0.176
6/23/2017 11:48:26 AM	1047.001	4.271	11.783	0.176
6/23/2017 11:48:27 AM	1048.001	4.272	11.797	0.173
6/23/2017 11:48:28 AM	1049.001	4.274	11.792	0.169
6/23/2017 11:48:29 AM	1050.001	4.272	11.808	0.174
6/23/2017 11:48:30 AM	1051.001	4.273	11.770	0.171
6/23/2017 11:48:31 AM	1052.001	4.274	11.761	0.169
6/23/2017 11:48:32 AM	1053.001	4.275	11.770	0.168
6/23/2017 11:48:33 AM	1054.001	4.270	11.810	0.178
6/23/2017 11:48:34 AM	1055.001	4.270	11.783	0.178
6/23/2017 11:48:35 AM	1056.001	4.271	11.789	0.177

6/23/2017 11:48:36 AM	1057.001	4.274	11.795	0.168
6/23/2017 11:48:37 AM	1058.001	4.271	11.799	0.175
6/23/2017 11:48:38 AM	1059.001	4.271	11.785	0.175
6/23/2017 11:48:39 AM	1060.001	4.272	11.797	0.175
6/23/2017 11:48:40 AM	1061.001	4.276	11.808	0.166
6/23/2017 11:48:41 AM	1062.001	4.271	11.787	0.176
6/23/2017 11:48:42 AM	1063.001	4.273	11.779	0.172
6/23/2017 11:48:43 AM	1064.001	4.273	11.795	0.172
6/23/2017 11:48:44 AM	1065.001	4.273	11.784	0.172
6/23/2017 11:48:45 AM	1066.001	4.271	11.791	0.175
6/23/2017 11:48:46 AM	1067.001	4.271	11.801	0.177
6/23/2017 11:48:47 AM	1068.001	4.274	11.781	0.169
6/23/2017 11:48:48 AM	1069.001	4.269	11.785	0.180
6/23/2017 11:48:49 AM	1070.001	4.274	11.794	0.169
6/23/2017 11:48:50 AM	1071.001	4.273	11.780	0.171
6/23/2017 11:48:51 AM	1072.001	4.273	11.803	0.172
6/23/2017 11:48:52 AM	1073.001	4.273	11.800	0.172
6/23/2017 11:48:53 AM	1074.001	4.273	11.795	0.171
6/23/2017 11:48:54 AM	1075.001	4.274	11.804	0.168
6/23/2017 11:48:55 AM	1076.001	4.273	11.785	0.172
6/23/2017 11:48:56 AM	1077.001	4.275	11.783	0.167
6/23/2017 11:48:57 AM	1078.001	4.272	11.793	0.174
6/23/2017 11:48:58 AM	1079.001	4.273	11.777	0.171
6/23/2017 11:48:59 AM	1080.001	4.273	11.798	0.171
6/23/2017 11:49:00 AM	1081.001	4.272	11.778	0.174
6/23/2017 11:49:01 AM	1082.001	4.271	11.799	0.176
6/23/2017 11:49:02 AM	1083.001	4.274	11.781	0.168
6/23/2017 11:49:03 AM	1084.001	4.273	11.816	0.171
6/23/2017 11:49:04 AM	1085.001	4.271	11.795	0.175
6/23/2017 11:49:05 AM	1086.001	4.271	11.792	0.175
6/23/2017 11:49:06 AM	1087.001	4.274	11.795	0.169
6/23/2017 11:49:07 AM	1088.001	4.270	11.824	0.177
6/23/2017 11:49:08 AM	1089.001	4.275	11.810	0.168
6/23/2017 11:49:09 AM	1090.001	4.271	11.784	0.176
6/23/2017 11:49:10 AM	1091.001	4.273	11.784	0.171
6/23/2017 11:49:11 AM	1092.001	4.273	11.783	0.172
6/23/2017 11:49:12 AM	1093.001	4.271	11.815	0.175
6/23/2017 11:49:13 AM	1094.001	4.271	11.789	0.175
6/23/2017 11:49:14 AM	1095.001	4.271	11.797	0.176
6/23/2017 11:49:15 AM	1096.001	4.273	11.819	0.171
6/23/2017 11:49:16 AM	1097.001	4.269	11.788	0.180
6/23/2017 11:49:17 AM	1098.001	4.272	11.809	0.175
6/23/2017 11:49:18 AM	1099.001	4.271	11.803	0.177
6/23/2017 11:49:19 AM	1100.001	4.271	11.808	0.176
6/23/2017 11:49:20 AM	1101.001	4.270	11.817	0.178
6/23/2017 11:49:21 AM	1102.001	4.273	11.828	0.172
6/23/2017 11:49:22 AM	1103.001	4.271	11.821	0.175
6/23/2017 11:49:23 AM	1104.001	4.273	11.799	0.172
6/23/2017 11:49:24 AM	1105.001	4.270	11.820	0.179
6/23/2017 11:49:25 AM	1106.001	4.271	11.795	0.176
6/23/2017 11:49:26 AM	1107.001	4.273	11.786	0.172
6/23/2017 11:49:27 AM	1108.001	4.271	11.777	0.175
6/23/2017 11:49:28 AM	1109.001	4.273	11.811	0.172
6/23/2017 11:49:29 AM	1110.001	4.273	11.834	0.171
6/23/2017 11:49:30 AM	1111.001	4.275	11.786	0.166
6/23/2017 11:49:31 AM	1112.001	4.271	11.786	0.177
6/23/2017 11:49:32 AM	1113.001	4.272	11.811	0.173
6/23/2017 11:49:33 AM	1114.001	4.273	11.781	0.172
6/23/2017 11:49:34 AM	1115.001	4.273	11.803	0.172
6/23/2017 11:49:35 AM	1116.001	4.273	11.806	0.172
6/23/2017 11:49:36 AM	1117.001	4.270	11.805	0.177
6/23/2017 11:49:37 AM	1118.001	4.271	11.806	0.177
6/23/2017 11:49:38 AM	1119.001	4.272	11.807	0.174

6/23/2017 11:49:39 AM	1120.001	4.273	11.801	0.171
6/23/2017 11:49:40 AM	1121.001	4.275	11.811	0.168
6/23/2017 11:49:41 AM	1122.001	4.275	11.793	0.167
6/23/2017 11:49:42 AM	1123.001	4.274	11.794	0.168
6/23/2017 11:49:43 AM	1124.001	4.276	11.801	0.165
6/23/2017 11:49:44 AM	1125.001	4.272	11.789	0.173
6/23/2017 11:49:45 AM	1126.001	4.275	11.817	0.168
6/23/2017 11:49:46 AM	1127.001	4.275	11.808	0.166
6/23/2017 11:49:47 AM	1128.001	4.271	11.814	0.176
6/23/2017 11:49:48 AM	1129.001	4.273	11.825	0.171
6/23/2017 11:49:49 AM	1130.001	4.273	11.791	0.172
6/23/2017 11:49:50 AM	1131.001	4.275	11.795	0.167
6/23/2017 11:49:51 AM	1132.001	4.275	11.823	0.167
6/23/2017 11:49:52 AM	1133.001	4.274	11.806	0.170
6/23/2017 11:49:53 AM	1134.001	4.273	11.791	0.171
6/23/2017 11:49:54 AM	1135.001	4.273	11.803	0.172
6/23/2017 11:49:55 AM	1136.001	4.274	11.797	0.169
6/23/2017 11:49:56 AM	1137.001	4.271	11.817	0.176
6/23/2017 11:49:57 AM	1138.001	4.273	11.833	0.171
6/23/2017 11:49:58 AM	1139.001	4.272	11.804	0.174
6/23/2017 11:49:59 AM	1140.001	4.271	11.824	0.176
6/23/2017 11:50:00 AM	1141.001	4.271	11.802	0.176
6/23/2017 11:50:01 AM	1142.001	4.272	11.817	0.173
6/23/2017 11:50:02 AM	1143.001	4.273	11.834	0.171
6/23/2017 11:50:03 AM	1144.001	4.272	11.806	0.173
6/23/2017 11:50:04 AM	1145.001	4.272	11.795	0.174
6/23/2017 11:50:05 AM	1146.001	4.273	11.821	0.170
6/23/2017 11:50:06 AM	1147.001	4.273	11.770	0.171
6/23/2017 11:50:07 AM	1148.001	4.272	11.813	0.174
6/23/2017 11:50:08 AM	1149.001	4.274	11.812	0.168
6/23/2017 11:50:09 AM	1150.001	4.273	11.819	0.171
6/23/2017 11:50:10 AM	1151.001	4.271	11.805	0.175
6/23/2017 11:50:11 AM	1152.001	4.275	11.819	0.168
6/23/2017 11:50:12 AM	1153.001	4.272	11.790	0.174
6/23/2017 11:50:13 AM	1154.001	4.272	11.785	0.175
6/23/2017 11:50:14 AM	1155.001	4.274	11.826	0.168
6/23/2017 11:50:15 AM	1156.001	4.273	11.831	0.172
6/23/2017 11:50:16 AM	1157.001	4.273	11.812	0.171
6/23/2017 11:50:17 AM	1158.001	4.274	11.830	0.170
6/23/2017 11:50:18 AM	1159.001	4.274	11.830	0.169
6/23/2017 11:50:19 AM	1160.001	4.272	11.796	0.174
6/23/2017 11:50:20 AM	1161.001	4.272	11.810	0.173
6/23/2017 11:50:21 AM	1162.001	4.275	11.815	0.166
6/23/2017 11:50:22 AM	1163.001	4.275	11.848	0.166
6/23/2017 11:50:23 AM	1164.001	4.273	11.816	0.171
6/23/2017 11:50:24 AM	1165.001	4.275	11.813	0.167
6/23/2017 11:50:25 AM	1166.001	4.274	11.828	0.168
6/23/2017 11:50:26 AM	1167.001	4.273	11.822	0.172
6/23/2017 11:50:27 AM	1168.001	4.273	11.834	0.170
6/23/2017 11:50:28 AM	1169.001	4.269	11.838	0.182
6/23/2017 11:50:29 AM	1170.001	4.274	11.839	0.170
6/23/2017 11:50:30 AM	1171.001	4.274	11.822	0.169
6/23/2017 11:50:31 AM	1172.001	4.273	11.833	0.170
6/23/2017 11:50:32 AM	1173.001	4.276	11.830	0.165
6/23/2017 11:50:33 AM	1174.001	4.273	11.828	0.170
6/23/2017 11:50:34 AM	1175.001	4.275	11.846	0.167
6/23/2017 11:50:35 AM	1176.001	4.276	11.824	0.165
6/23/2017 11:50:36 AM	1177.001	4.274	11.826	0.169
6/23/2017 11:50:37 AM	1178.001	4.272	11.825	0.174
6/23/2017 11:50:38 AM	1179.001	4.274	11.814	0.170
6/23/2017 11:50:39 AM	1180.001	4.276	11.844	0.165
6/23/2017 11:50:40 AM	1181.001	4.273	11.795	0.171
6/23/2017 11:50:41 AM	1182.001	4.273	11.822	0.173

6/23/2017 11:50:42 AM	1183.001	4.272	11.817	0.174
6/23/2017 11:50:43 AM	1184.001	4.275	11.836	0.166
6/23/2017 11:50:44 AM	1185.001	4.274	11.815	0.169
6/23/2017 11:50:45 AM	1186.001	4.273	11.800	0.172
6/23/2017 11:50:46 AM	1187.001	4.274	11.830	0.169
6/23/2017 11:50:47 AM	1188.001	4.273	11.820	0.172
6/23/2017 11:50:48 AM	1189.001	4.271	11.823	0.177
6/23/2017 11:50:49 AM	1190.001	4.273	11.822	0.171
6/23/2017 11:50:50 AM	1191.001	4.272	11.841	0.173
6/23/2017 11:50:51 AM	1192.001	4.273	11.819	0.171
6/23/2017 11:50:52 AM	1193.001	4.276	11.841	0.165
6/23/2017 11:50:53 AM	1194.001	4.277	11.858	0.163
6/23/2017 11:50:54 AM	1195.001	4.272	11.835	0.175
6/23/2017 11:50:55 AM	1196.001	4.273	11.831	0.171
6/23/2017 11:50:56 AM	1197.001	4.274	11.819	0.170
6/23/2017 11:50:57 AM	1198.001	4.273	11.840	0.170
6/23/2017 11:50:58 AM	1199.001	4.275	11.834	0.166
6/23/2017 11:50:59 AM	1200.001	4.273	11.825	0.170
6/23/2017 11:51:00 AM	1201.001	4.275	11.855	0.167
6/23/2017 11:51:01 AM	1202.001	4.273	11.842	0.171
6/23/2017 11:51:02 AM	1203.001	4.273	11.833	0.170
6/23/2017 11:51:03 AM	1204.001	4.273	11.836	0.170
6/23/2017 11:51:04 AM	1205.001	4.273	11.840	0.170
6/23/2017 11:51:05 AM	1206.001	4.274	11.819	0.170
6/23/2017 11:51:06 AM	1207.001	4.271	11.816	0.176
6/23/2017 11:51:07 AM	1208.001	4.273	11.830	0.170
6/23/2017 11:51:08 AM	1209.001	4.274	11.813	0.169
6/23/2017 11:51:09 AM	1210.001	4.275	11.817	0.167
6/23/2017 11:51:10 AM	1211.001	4.275	11.849	0.168
6/23/2017 11:51:11 AM	1212.001	4.274	11.818	0.169
6/23/2017 11:51:12 AM	1213.001	4.275	11.817	0.166
6/23/2017 11:51:13 AM	1214.001	4.275	11.835	0.166
6/23/2017 11:51:14 AM	1215.001	4.275	11.838	0.166
6/23/2017 11:51:15 AM	1216.001	4.275	11.838	0.167
6/23/2017 11:51:16 AM	1217.001	4.272	11.834	0.174
6/23/2017 11:51:17 AM	1218.001	4.274	11.833	0.168
6/23/2017 11:51:18 AM	1219.001	4.272	11.801	0.174
6/23/2017 11:51:19 AM	1220.001	4.277	11.844	0.163
6/23/2017 11:51:20 AM	1221.001	4.275	11.844	0.166
6/23/2017 11:51:21 AM	1222.001	4.275	11.830	0.167
6/23/2017 11:51:22 AM	1223.001	4.273	11.828	0.172
6/23/2017 11:51:23 AM	1224.001	4.273	11.841	0.172
6/23/2017 11:51:24 AM	1225.001	4.275	11.845	0.167
6/23/2017 11:51:25 AM	1226.001	4.274	11.846	0.169
6/23/2017 11:51:26 AM	1227.001	4.274	11.828	0.168
6/23/2017 11:51:27 AM	1228.001	4.277	11.866	0.163
6/23/2017 11:51:28 AM	1229.001	4.275	11.808	0.166
6/23/2017 11:51:29 AM	1230.001	4.277	11.822	0.163
6/23/2017 11:51:30 AM	1231.001	4.277	11.817	0.161
6/23/2017 11:51:31 AM	1232.001	4.272	11.801	0.173
6/23/2017 11:51:32 AM	1233.001	4.273	11.844	0.171
6/23/2017 11:51:33 AM	1234.001	4.277	11.839	0.161
6/23/2017 11:51:34 AM	1235.001	4.277	11.828	0.162
6/23/2017 11:51:35 AM	1236.001	4.276	11.812	0.164
6/23/2017 11:51:36 AM	1237.001	4.275	11.800	0.168
6/23/2017 11:51:37 AM	1238.001	4.275	11.829	0.166
6/23/2017 11:51:38 AM	1239.001	4.275	11.852	0.168
6/23/2017 11:51:39 AM	1240.001	4.276	11.825	0.166
6/23/2017 11:51:40 AM	1241.001	4.275	11.832	0.167
6/23/2017 11:51:41 AM	1242.001	4.273	11.803	0.170
6/23/2017 11:51:42 AM	1243.001	4.272	11.828	0.173
6/23/2017 11:51:43 AM	1244.001	4.275	11.837	0.167
6/23/2017 11:51:44 AM	1245.001	4.273	11.820	0.172

6/23/2017 11:51:45 AM	1246.001	4.275	11.855	0.166
6/23/2017 11:51:46 AM	1247.001	4.274	11.833	0.169
6/23/2017 11:51:47 AM	1248.001	4.274	11.857	0.169
6/23/2017 11:51:48 AM	1249.001	4.275	11.824	0.168
6/23/2017 11:51:49 AM	1250.001	4.272	11.861	0.173
6/23/2017 11:51:50 AM	1251.001	4.274	11.806	0.170
6/23/2017 11:51:51 AM	1252.001	4.275	11.819	0.166
6/23/2017 11:51:52 AM	1253.001	4.276	11.827	0.165
6/23/2017 11:51:53 AM	1254.001	4.276	11.817	0.164
6/23/2017 11:51:54 AM	1255.001	4.275	11.832	0.167
6/23/2017 11:51:55 AM	1256.001	4.273	11.840	0.172
6/23/2017 11:51:56 AM	1257.001	4.271	11.816	0.175
6/23/2017 11:51:57 AM	1258.001	4.274	11.811	0.169
6/23/2017 11:51:58 AM	1259.001	4.276	11.833	0.165
6/23/2017 11:51:59 AM	1260.001	4.277	11.803	0.162
6/23/2017 11:52:00 AM	1261.001	4.278	11.827	0.161
6/23/2017 11:52:01 AM	1262.001	4.274	11.841	0.170
6/23/2017 11:52:02 AM	1263.001	4.275	11.843	0.166
6/23/2017 11:52:03 AM	1264.001	4.277	11.808	0.163
6/23/2017 11:52:04 AM	1265.001	4.275	11.833	0.167
6/23/2017 11:52:05 AM	1266.001	4.276	11.859	0.164
6/23/2017 11:52:06 AM	1267.001	4.275	11.840	0.168
6/23/2017 11:52:07 AM	1268.001	4.277	11.833	0.162
6/23/2017 11:52:08 AM	1269.001	4.277	11.801	0.162
6/23/2017 11:52:09 AM	1270.001	4.275	11.856	0.167
6/23/2017 11:52:10 AM	1271.001	4.275	11.876	0.166
6/23/2017 11:52:11 AM	1272.001	4.275	11.819	0.167
6/23/2017 11:52:12 AM	1273.001	4.276	11.813	0.163
6/23/2017 11:52:13 AM	1274.001	4.273	11.842	0.170
6/23/2017 11:52:14 AM	1275.001	4.276	11.829	0.166
6/23/2017 11:52:15 AM	1276.001	4.276	11.778	0.164
6/23/2017 11:52:16 AM	1277.001	4.277	11.777	0.163
6/23/2017 11:52:17 AM	1278.001	4.276	11.805	0.164
6/23/2017 11:52:18 AM	1279.001	4.274	11.839	0.169
6/23/2017 11:52:19 AM	1280.001	4.275	11.826	0.167
6/23/2017 11:52:20 AM	1281.001	4.275	11.835	0.168
6/23/2017 11:52:21 AM	1282.001	4.275	11.822	0.166
6/23/2017 11:52:22 AM	1283.001	4.275	11.825	0.168
6/23/2017 11:52:23 AM	1284.001	4.274	11.843	0.168
6/23/2017 11:52:24 AM	1285.001	4.278	11.818	0.160
6/23/2017 11:52:25 AM	1286.001	4.277	11.820	0.162
6/23/2017 11:52:26 AM	1287.001	4.274	11.818	0.169
6/23/2017 11:52:27 AM	1288.001	4.278	11.829	0.159
6/23/2017 11:52:28 AM	1289.001	4.276	11.850	0.165
6/23/2017 11:52:29 AM	1290.001	4.275	11.824	0.167
6/23/2017 11:52:30 AM	1291.001	4.276	11.828	0.164
6/23/2017 11:52:31 AM	1292.001	4.276	11.828	0.164
6/23/2017 11:52:32 AM	1293.001	4.280	11.827	0.156
6/23/2017 11:52:33 AM	1294.001	4.275	11.828	0.168
6/23/2017 11:52:34 AM	1295.001	4.273	11.837	0.171
6/23/2017 11:52:35 AM	1296.001	4.278	11.814	0.161
6/23/2017 11:52:36 AM	1297.001	4.278	11.831	0.161
6/23/2017 11:52:37 AM	1298.001	4.273	11.790	0.171
6/23/2017 11:52:38 AM	1299.001	4.275	11.819	0.167
6/23/2017 11:52:39 AM	1300.001	4.274	11.827	0.169
6/23/2017 11:52:40 AM	1301.001	4.275	11.818	0.167
6/23/2017 11:52:41 AM	1302.001	4.276	11.820	0.164
6/23/2017 11:52:42 AM	1303.001	4.277	11.864	0.161
6/23/2017 11:52:43 AM	1304.001	4.280	11.817	0.155
6/23/2017 11:52:44 AM	1305.001	4.277	11.830	0.161
6/23/2017 11:52:45 AM	1306.001	4.277	11.850	0.162
6/23/2017 11:52:46 AM	1307.001	4.276	11.833	0.165
6/23/2017 11:52:47 AM	1308.001	4.276	11.818	0.165

6/23/2017 11:52:48 AM	1309.001	4.274	11.823	0.169
6/23/2017 11:52:49 AM	1310.001	4.276	11.806	0.164
6/23/2017 11:52:50 AM	1311.001	4.275	11.844	0.168
6/23/2017 11:52:51 AM	1312.001	4.279	11.827	0.157
6/23/2017 11:52:52 AM	1313.001	4.277	11.825	0.162
6/23/2017 11:52:53 AM	1314.001	4.276	11.826	0.164
6/23/2017 11:52:54 AM	1315.001	4.279	11.786	0.159
6/23/2017 11:52:55 AM	1316.001	4.273	11.809	0.171
6/23/2017 11:52:56 AM	1317.001	4.276	11.817	0.163
6/23/2017 11:52:57 AM	1318.001	4.275	11.833	0.167
6/23/2017 11:52:58 AM	1319.001	4.275	11.815	0.166
6/23/2017 11:52:59 AM	1320.001	4.277	11.817	0.163
6/23/2017 11:53:00 AM	1321.001	4.277	11.812	0.161
6/23/2017 11:53:01 AM	1322.001	4.277	11.841	0.163
6/23/2017 11:53:02 AM	1323.001	4.275	11.814	0.166
6/23/2017 11:53:03 AM	1324.001	4.274	11.830	0.168
6/23/2017 11:53:04 AM	1325.001	4.276	11.819	0.165
6/23/2017 11:53:05 AM	1326.001	4.275	11.792	0.167
6/23/2017 11:53:06 AM	1327.001	4.279	11.833	0.158
6/23/2017 11:53:07 AM	1328.001	4.275	11.828	0.167
6/23/2017 11:53:08 AM	1329.001	4.277	11.827	0.162
6/23/2017 11:53:09 AM	1330.001	4.273	11.831	0.172
6/23/2017 11:53:10 AM	1331.001	4.274	11.821	0.169
6/23/2017 11:53:11 AM	1332.001	4.274	11.800	0.170
6/23/2017 11:53:12 AM	1333.001	4.278	11.795	0.159
6/23/2017 11:53:13 AM	1334.001	4.279	11.814	0.158
6/23/2017 11:53:14 AM	1335.001	4.275	11.831	0.168
6/23/2017 11:53:15 AM	1336.001	4.277	11.830	0.163
6/23/2017 11:53:16 AM	1337.001	4.276	11.797	0.165
6/23/2017 11:53:17 AM	1338.001	4.276	11.840	0.164
6/23/2017 11:53:18 AM	1339.001	4.278	11.827	0.161
6/23/2017 11:53:19 AM	1340.001	4.274	11.814	0.169
6/23/2017 11:53:20 AM	1341.001	4.276	11.825	0.163
6/23/2017 11:53:21 AM	1342.001	4.279	11.816	0.158
6/23/2017 11:53:22 AM	1343.001	4.277	11.841	0.162
6/23/2017 11:53:23 AM	1344.001	4.275	11.811	0.167
6/23/2017 11:53:24 AM	1345.001	4.279	11.811	0.158
6/23/2017 11:53:25 AM	1346.001	4.276	11.816	0.164
6/23/2017 11:53:26 AM	1347.001	4.276	11.797	0.165
6/23/2017 11:53:27 AM	1348.001	4.278	11.817	0.160
6/23/2017 11:53:28 AM	1349.001	4.276	11.817	0.163
6/23/2017 11:53:29 AM	1350.001	4.275	11.779	0.167
6/23/2017 11:53:30 AM	1351.001	4.274	11.839	0.169
6/23/2017 11:53:31 AM	1352.001	4.275	11.795	0.166
6/23/2017 11:53:32 AM	1353.001	4.275	11.808	0.166
6/23/2017 11:53:33 AM	1354.001	4.276	11.843	0.164
6/23/2017 11:53:34 AM	1355.001	4.277	11.832	0.163
6/23/2017 11:53:35 AM	1356.001	4.274	11.836	0.168
6/23/2017 11:53:36 AM	1357.001	4.278	11.821	0.160
6/23/2017 11:53:37 AM	1358.001	4.278	11.798	0.159
6/23/2017 11:53:38 AM	1359.001	4.276	11.812	0.164
6/23/2017 11:53:39 AM	1360.001	4.277	11.820	0.162
6/23/2017 11:53:40 AM	1361.001	4.276	11.800	0.165
6/23/2017 11:53:41 AM	1362.001	4.278	11.805	0.160
6/23/2017 11:53:42 AM	1363.001	4.275	11.819	0.166
6/23/2017 11:53:43 AM	1364.001	4.277	11.828	0.162
6/23/2017 11:53:44 AM	1365.001	4.273	11.816	0.172
6/23/2017 11:53:45 AM	1366.001	4.275	11.820	0.167
6/23/2017 11:53:46 AM	1367.001	4.278	11.841	0.160
6/23/2017 11:53:47 AM	1368.001	4.274	11.833	0.169
6/23/2017 11:53:48 AM	1369.001	4.276	11.806	0.164
6/23/2017 11:53:49 AM	1370.001	4.278	11.817	0.160
6/23/2017 11:53:50 AM	1371.001	4.278	11.802	0.161

6/23/2017 11:53:51 AM	1372.001	4.277	11.780	0.163
6/23/2017 11:53:52 AM	1373.001	4.277	11.812	0.162
6/23/2017 11:53:53 AM	1374.001	4.276	11.815	0.163
6/23/2017 11:53:54 AM	1375.001	4.276	11.804	0.165
6/23/2017 11:53:55 AM	1376.001	4.279	11.814	0.158
6/23/2017 11:53:56 AM	1377.001	4.276	11.789	0.164
6/23/2017 11:53:57 AM	1378.001	4.277	11.794	0.163
6/23/2017 11:53:58 AM	1379.001	4.275	11.805	0.167
6/23/2017 11:53:59 AM	1380.001	4.275	11.812	0.167
6/23/2017 11:54:00 AM	1381.001	4.276	11.811	0.164
6/23/2017 11:54:01 AM	1382.001	4.279	11.814	0.157
6/23/2017 11:54:02 AM	1383.001	4.277	11.798	0.163
6/23/2017 11:54:03 AM	1384.001	4.278	11.816	0.159
6/23/2017 11:54:04 AM	1385.001	4.277	11.800	0.163
6/23/2017 11:54:05 AM	1386.001	4.277	11.822	0.161
6/23/2017 11:54:06 AM	1387.001	4.278	11.814	0.161
6/23/2017 11:54:07 AM	1388.001	4.274	11.783	0.169
6/23/2017 11:54:08 AM	1389.001	4.276	11.795	0.165
6/23/2017 11:54:09 AM	1390.001	4.276	11.812	0.164
6/23/2017 11:54:10 AM	1391.001	4.277	11.799	0.163
6/23/2017 11:54:11 AM	1392.001	4.276	11.765	0.165
6/23/2017 11:54:12 AM	1393.001	4.276	11.831	0.164
6/23/2017 11:54:13 AM	1394.001	4.277	11.780	0.162
6/23/2017 11:54:14 AM	1395.001	4.279	11.799	0.156
6/23/2017 11:54:15 AM	1396.001	4.276	11.815	0.164
6/23/2017 11:54:16 AM	1397.001	4.281	11.801	0.153
6/23/2017 11:54:17 AM	1398.001	4.276	11.832	0.166
6/23/2017 11:54:18 AM	1399.001	4.278	11.806	0.160
6/23/2017 11:54:19 AM	1400.001	4.277	11.813	0.162
6/23/2017 11:54:20 AM	1401.001	4.276	11.811	0.164
6/23/2017 11:54:21 AM	1402.001	4.277	11.793	0.163
6/23/2017 11:54:22 AM	1403.001	4.277	11.810	0.163
6/23/2017 11:54:23 AM	1404.001	4.280	11.792	0.155
6/23/2017 11:54:24 AM	1405.001	4.278	11.792	0.160
6/23/2017 11:54:25 AM	1406.001	4.280	11.800	0.156
6/23/2017 11:54:26 AM	1407.001	4.274	11.844	0.169
6/23/2017 11:54:27 AM	1408.001	4.274	11.846	0.169
6/23/2017 11:54:28 AM	1409.001	4.276	11.811	0.164
6/23/2017 11:54:29 AM	1410.001	4.276	11.819	0.163
6/23/2017 11:54:30 AM	1411.001	4.275	11.782	0.167
6/23/2017 11:54:31 AM	1412.001	4.276	11.808	0.164
6/23/2017 11:54:32 AM	1413.001	4.276	11.825	0.165
6/23/2017 11:54:33 AM	1414.001	4.277	11.800	0.162
6/23/2017 11:54:34 AM	1415.001	4.279	11.825	0.158
6/23/2017 11:54:35 AM	1416.001	4.277	11.814	0.161
6/23/2017 11:54:36 AM	1417.001	4.278	11.799	0.159
6/23/2017 11:54:37 AM	1418.001	4.280	11.815	0.155
6/23/2017 11:54:38 AM	1419.001	4.278	11.804	0.161
6/23/2017 11:54:39 AM	1420.001	4.276	11.814	0.166
6/23/2017 11:54:40 AM	1421.001	4.278	11.836	0.160
6/23/2017 11:54:41 AM	1422.001	4.278	11.804	0.159
6/23/2017 11:54:42 AM	1423.001	4.276	11.820	0.164
6/23/2017 11:54:43 AM	1424.001	4.277	11.825	0.161
6/23/2017 11:54:44 AM	1425.001	4.277	11.775	0.162
6/23/2017 11:54:45 AM	1426.001	4.276	11.808	0.164
6/23/2017 11:54:46 AM	1427.001	4.276	11.819	0.165
6/23/2017 11:54:47 AM	1428.001	4.277	11.827	0.162
6/23/2017 11:54:48 AM	1429.001	4.277	11.816	0.161
6/23/2017 11:54:49 AM	1430.001	4.277	11.822	0.161
6/23/2017 11:54:50 AM	1431.001	4.277	11.827	0.163
6/23/2017 11:54:51 AM	1432.001	4.278	11.793	0.161
6/23/2017 11:54:52 AM	1433.001	4.275	11.812	0.167
6/23/2017 11:54:53 AM	1434.001	4.278	11.808	0.159

6/23/2017 11:54:54 AM	1435.001	4.279	11.820	0.158
6/23/2017 11:54:55 AM	1436.001	4.277	11.826	0.161
6/23/2017 11:54:56 AM	1437.001	4.276	11.813	0.165
6/23/2017 11:54:57 AM	1438.001	4.276	11.797	0.164
6/23/2017 11:54:58 AM	1439.001	4.279	11.815	0.157
6/23/2017 11:54:59 AM	1440.001	4.278	11.797	0.161
6/23/2017 11:55:00 AM	1441.001	4.277	11.787	0.161
6/23/2017 11:55:01 AM	1442.001	4.278	11.810	0.159
6/23/2017 11:55:02 AM	1443.001	4.276	11.803	0.164
6/23/2017 11:55:03 AM	1444.001	4.278	11.800	0.160
6/23/2017 11:55:04 AM	1445.001	4.275	11.803	0.167
6/23/2017 11:55:05 AM	1446.001	4.275	11.808	0.166
6/23/2017 11:55:06 AM	1447.001	4.277	11.817	0.161
6/23/2017 11:55:07 AM	1448.001	4.276	11.809	0.165
6/23/2017 11:55:08 AM	1449.001	4.274	11.838	0.169
6/23/2017 11:55:09 AM	1450.001	4.278	11.781	0.159
6/23/2017 11:55:10 AM	1451.001	4.278	11.797	0.161
6/23/2017 11:55:11 AM	1452.001	4.279	11.808	0.158
6/23/2017 11:55:12 AM	1453.001	4.279	11.828	0.158
6/23/2017 11:55:13 AM	1454.001	4.278	11.800	0.161
6/23/2017 11:55:14 AM	1455.001	4.277	11.795	0.162
6/23/2017 11:55:15 AM	1456.001	4.275	11.807	0.167
6/23/2017 11:55:16 AM	1457.001	4.274	11.808	0.168
6/23/2017 11:55:17 AM	1458.001	4.277	11.828	0.163
6/23/2017 11:55:18 AM	1459.001	4.277	11.812	0.161
6/23/2017 11:55:19 AM	1460.001	4.278	11.792	0.160
6/23/2017 11:55:20 AM	1461.001	4.279	11.821	0.158
6/23/2017 11:55:21 AM	1462.001	4.278	11.815	0.159
6/23/2017 11:55:22 AM	1463.001	4.277	11.805	0.162
6/23/2017 11:55:23 AM	1464.001	4.278	11.802	0.160
6/23/2017 11:55:24 AM	1465.001	4.277	11.825	0.162
6/23/2017 11:55:25 AM	1466.001	4.277	11.797	0.163
6/23/2017 11:55:26 AM	1467.001	4.277	11.778	0.163
6/23/2017 11:55:27 AM	1468.001	4.280	11.785	0.156
6/23/2017 11:55:28 AM	1469.001	4.279	11.839	0.157
6/23/2017 11:55:29 AM	1470.001	4.279	11.789	0.158
6/23/2017 11:55:30 AM	1471.001	4.281	11.811	0.153
6/23/2017 11:55:31 AM	1472.001	4.278	11.824	0.160
6/23/2017 11:55:32 AM	1473.001	4.275	11.768	0.166
6/23/2017 11:55:33 AM	1474.001	4.278	11.797	0.159
6/23/2017 11:55:34 AM	1475.001	4.278	11.818	0.161
6/23/2017 11:55:35 AM	1476.001	4.279	11.819	0.157
6/23/2017 11:55:36 AM	1477.001	4.277	11.801	0.162
6/23/2017 11:55:37 AM	1478.001	4.282	11.790	0.151
6/23/2017 11:55:38 AM	1479.001	4.278	11.790	0.161
6/23/2017 11:55:39 AM	1480.001	4.276	11.801	0.164
6/23/2017 11:55:40 AM	1481.001	4.278	11.800	0.161
6/23/2017 11:55:41 AM	1482.001	4.279	11.848	0.157
6/23/2017 11:55:42 AM	1483.001	4.277	11.795	0.162
6/23/2017 11:55:43 AM	1484.001	4.280	11.807	0.156
6/23/2017 11:55:44 AM	1485.001	4.276	11.791	0.164
6/23/2017 11:55:45 AM	1486.001	4.278	11.790	0.159
6/23/2017 11:55:46 AM	1487.001	4.277	11.802	0.162
6/23/2017 11:55:47 AM	1488.001	4.279	11.803	0.158
6/23/2017 11:55:48 AM	1489.001	4.277	11.819	0.163
6/23/2017 11:55:49 AM	1490.001	4.278	11.782	0.161
6/23/2017 11:55:50 AM	1491.001	4.278	11.781	0.159
6/23/2017 11:55:51 AM	1492.001	4.279	11.807	0.157
6/23/2017 11:55:52 AM	1493.001	4.279	11.811	0.156
6/23/2017 11:55:53 AM	1494.001	4.276	11.815	0.164
6/23/2017 11:55:54 AM	1495.001	4.275	11.775	0.166
6/23/2017 11:55:55 AM	1496.001	4.277	11.844	0.162
6/23/2017 11:55:56 AM	1497.001	4.276	11.789	0.165

6/23/2017 11:55:57 AM	1498.001	4.276	11.790	0.164
6/23/2017 11:55:58 AM	1499.001	4.278	11.803	0.159
6/23/2017 11:55:59 AM	1500.001	4.275	11.790	0.167
6/23/2017 11:56:00 AM	1501.001	4.277	11.811	0.162
6/23/2017 11:56:01 AM	1502.001	4.277	11.804	0.163
6/23/2017 11:56:02 AM	1503.001	4.278	11.836	0.160
6/23/2017 11:56:03 AM	1504.001	4.277	11.792	0.161
6/23/2017 11:56:04 AM	1505.001	4.278	11.805	0.161
6/23/2017 11:56:05 AM	1506.001	4.276	11.798	0.164
6/23/2017 11:56:06 AM	1507.001	4.279	11.765	0.157
6/23/2017 11:56:07 AM	1508.001	4.280	11.800	0.155
6/23/2017 11:56:08 AM	1509.001	4.279	11.799	0.158
6/23/2017 11:56:09 AM	1510.001	4.275	11.811	0.167
6/23/2017 11:56:10 AM	1511.001	4.279	11.824	0.159
6/23/2017 11:56:11 AM	1512.001	4.277	11.788	0.163
6/23/2017 11:56:12 AM	1513.001	4.278	11.813	0.160
6/23/2017 11:56:13 AM	1514.001	4.279	11.803	0.157
6/23/2017 11:56:14 AM	1515.001	4.278	11.815	0.160
6/23/2017 11:56:15 AM	1516.001	4.278	11.830	0.159
6/23/2017 11:56:16 AM	1517.001	4.279	11.784	0.159
6/23/2017 11:56:17 AM	1518.001	4.280	11.797	0.156
6/23/2017 11:56:18 AM	1519.001	4.278	11.812	0.159
6/23/2017 11:56:19 AM	1520.001	4.278	11.804	0.160
6/23/2017 11:56:20 AM	1521.001	4.278	11.780	0.159
6/23/2017 11:56:21 AM	1522.001	4.274	11.783	0.170
6/23/2017 11:56:22 AM	1523.001	4.278	11.819	0.161
6/23/2017 11:56:23 AM	1524.001	4.279	11.786	0.158
6/23/2017 11:56:24 AM	1525.001	4.277	11.811	0.162
6/23/2017 11:56:25 AM	1526.001	4.276	11.806	0.165
6/23/2017 11:56:26 AM	1527.001	4.278	11.796	0.160
6/23/2017 11:56:27 AM	1528.001	4.278	11.769	0.159
6/23/2017 11:56:28 AM	1529.001	4.278	11.817	0.159
6/23/2017 11:56:29 AM	1530.001	4.277	11.806	0.161
6/23/2017 11:56:30 AM	1531.001	4.281	11.778	0.153
6/23/2017 11:56:31 AM	1532.001	4.279	11.810	0.157
6/23/2017 11:56:32 AM	1533.001	4.280	11.795	0.155
6/23/2017 11:56:33 AM	1534.001	4.278	11.781	0.159
6/23/2017 11:56:34 AM	1535.001	4.276	11.799	0.165
6/23/2017 11:56:35 AM	1536.001	4.278	11.791	0.160
6/23/2017 11:56:36 AM	1537.001	4.275	11.795	0.166
6/23/2017 11:56:37 AM	1538.001	4.280	11.806	0.156
6/23/2017 11:56:38 AM	1539.001	4.278	11.815	0.160
6/23/2017 11:56:39 AM	1540.001	4.277	11.802	0.162
6/23/2017 11:56:40 AM	1541.001	4.278	11.770	0.160
6/23/2017 11:56:41 AM	1542.001	4.280	11.810	0.156
6/23/2017 11:56:42 AM	1543.001	4.279	11.800	0.157
6/23/2017 11:56:43 AM	1544.001	4.278	11.790	0.159
6/23/2017 11:56:44 AM	1545.001	4.278	11.789	0.160
6/23/2017 11:56:45 AM	1546.001	4.281	11.795	0.152
6/23/2017 11:56:46 AM	1547.001	4.281	11.804	0.153
6/23/2017 11:56:47 AM	1548.001	4.281	11.789	0.154
6/23/2017 11:56:48 AM	1549.001	4.279	11.778	0.157
6/23/2017 11:56:49 AM	1550.001	4.278	11.797	0.160
6/23/2017 11:56:50 AM	1551.001	4.278	11.801	0.160
6/23/2017 11:56:51 AM	1552.001	4.278	11.783	0.161
6/23/2017 11:56:52 AM	1553.001	4.279	11.800	0.158
6/23/2017 11:56:53 AM	1554.001	4.279	11.775	0.158
6/23/2017 11:56:54 AM	1555.001	4.279	11.781	0.157
6/23/2017 11:56:55 AM	1556.001	4.280	11.783	0.155
6/23/2017 11:56:56 AM	1557.001	4.280	11.786	0.156
6/23/2017 11:56:57 AM	1558.001	4.279	11.764	0.158
6/23/2017 11:56:58 AM	1559.001	4.277	11.804	0.162
6/23/2017 11:56:59 AM	1560.001	4.277	11.795	0.162

6/23/2017 11:57:00 AM	1561.001	4.279	11.806	0.157
6/23/2017 11:57:01 AM	1562.001	4.279	11.806	0.158
6/23/2017 11:57:02 AM	1563.001	4.278	11.784	0.161
6/23/2017 11:57:03 AM	1564.001	4.280	11.786	0.156
6/23/2017 11:57:04 AM	1565.001	4.281	11.782	0.153
6/23/2017 11:57:05 AM	1566.001	4.280	11.776	0.156
6/23/2017 11:57:06 AM	1567.001	4.279	11.778	0.157
6/23/2017 11:57:07 AM	1568.001	4.278	11.793	0.160
6/23/2017 11:57:08 AM	1569.001	4.278	11.781	0.159
6/23/2017 11:57:09 AM	1570.001	4.277	11.827	0.161
6/23/2017 11:57:10 AM	1571.001	4.279	11.792	0.157
6/23/2017 11:57:11 AM	1572.001	4.279	11.780	0.157
6/23/2017 11:57:12 AM	1573.001	4.278	11.818	0.161
6/23/2017 11:57:13 AM	1574.001	4.279	11.781	0.157
6/23/2017 11:57:14 AM	1575.001	4.280	11.792	0.155
6/23/2017 11:57:15 AM	1576.001	4.279	11.780	0.157
6/23/2017 11:57:16 AM	1577.001	4.280	11.792	0.156
6/23/2017 11:57:17 AM	1578.001	4.280	11.811	0.155
6/23/2017 11:57:18 AM	1579.001	4.277	11.769	0.163
6/23/2017 11:57:19 AM	1580.001	4.278	11.770	0.160
6/23/2017 11:57:20 AM	1581.001	4.275	11.792	0.166
6/23/2017 11:57:21 AM	1582.001	4.280	11.806	0.156
6/23/2017 11:57:22 AM	1583.001	4.278	11.781	0.159
6/23/2017 11:57:23 AM	1584.001	4.275	11.788	0.167
6/23/2017 11:57:24 AM	1585.001	4.278	11.801	0.159
6/23/2017 11:57:25 AM	1586.001	4.277	11.778	0.163
6/23/2017 11:57:26 AM	1587.001	4.278	11.781	0.161
6/23/2017 11:57:27 AM	1588.001	4.278	11.795	0.159
6/23/2017 11:57:28 AM	1589.001	4.279	11.797	0.157
6/23/2017 11:57:29 AM	1590.001	4.280	11.795	0.154
6/23/2017 11:57:30 AM	1591.001	4.280	11.783	0.155
6/23/2017 11:57:31 AM	1592.001	4.278	11.779	0.160
6/23/2017 11:57:32 AM	1593.001	4.280	11.781	0.155
6/23/2017 11:57:33 AM	1594.001	4.280	11.756	0.156
6/23/2017 11:57:34 AM	1595.001	4.280	11.758	0.154
6/23/2017 11:57:35 AM	1596.001	4.278	11.787	0.160
6/23/2017 11:57:36 AM	1597.001	4.280	11.783	0.154
6/23/2017 11:57:37 AM	1598.001	4.283	11.744	0.148
6/23/2017 11:57:38 AM	1599.001	4.278	11.767	0.159
6/23/2017 11:57:39 AM	1600.001	4.278	11.797	0.159
6/23/2017 11:57:40 AM	1601.001	4.281	11.773	0.153
6/23/2017 11:57:41 AM	1602.001	4.281	11.787	0.153
6/23/2017 11:57:42 AM	1603.001	4.279	11.772	0.157
6/23/2017 11:57:43 AM	1604.001	4.279	11.786	0.158
6/23/2017 11:57:44 AM	1605.001	4.279	11.767	0.158
6/23/2017 11:57:45 AM	1606.001	4.281	11.782	0.154
6/23/2017 11:57:46 AM	1607.001	4.279	11.793	0.157
6/23/2017 11:57:47 AM	1608.001	4.280	11.785	0.155
6/23/2017 11:57:48 AM	1609.001	4.280	11.781	0.156
6/23/2017 11:57:49 AM	1610.001	4.283	11.761	0.148
6/23/2017 11:57:50 AM	1611.001	4.281	11.771	0.154
6/23/2017 11:57:51 AM	1612.001	4.280	11.794	0.156
6/23/2017 11:57:52 AM	1613.001	4.278	11.797	0.161
6/23/2017 11:57:53 AM	1614.001	4.279	11.808	0.158
6/23/2017 11:57:54 AM	1615.001	4.279	11.768	0.157
6/23/2017 11:57:55 AM	1616.001	4.279	11.771	0.158
6/23/2017 11:57:56 AM	1617.001	4.282	11.769	0.150
6/23/2017 11:57:57 AM	1618.001	4.281	11.788	0.153
6/23/2017 11:57:58 AM	1619.001	4.280	11.789	0.155
6/23/2017 11:57:59 AM	1620.001	4.280	11.788	0.155
6/23/2017 11:58:00 AM	1621.001	4.281	11.784	0.153
6/23/2017 11:58:01 AM	1622.001	4.278	11.772	0.160
6/23/2017 11:58:02 AM	1623.001	4.281	11.788	0.152

6/23/2017 11:58:03 AM	1624.001	4.283	11.777	0.148
6/23/2017 11:58:04 AM	1625.001	4.278	11.771	0.160
6/23/2017 11:58:05 AM	1626.001	4.281	11.798	0.154
6/23/2017 11:58:06 AM	1627.001	4.280	11.783	0.154
6/23/2017 11:58:07 AM	1628.001	4.281	11.786	0.153
6/23/2017 11:58:08 AM	1629.001	4.280	11.785	0.156
6/23/2017 11:58:09 AM	1630.001	4.279	11.775	0.157
6/23/2017 11:58:10 AM	1631.001	4.280	11.772	0.155
6/23/2017 11:58:11 AM	1632.001	4.280	11.796	0.154
6/23/2017 11:58:12 AM	1633.001	4.279	11.808	0.158
6/23/2017 11:58:13 AM	1634.001	4.280	11.797	0.154
6/23/2017 11:58:14 AM	1635.001	4.282	11.795	0.151
6/23/2017 11:58:15 AM	1636.001	4.280	11.801	0.155
6/23/2017 11:58:16 AM	1637.001	4.284	11.800	0.145
6/23/2017 11:58:17 AM	1638.001	4.281	11.806	0.153
6/23/2017 11:58:18 AM	1639.001	4.279	11.781	0.158
6/23/2017 11:58:19 AM	1640.001	4.283	11.745	0.148
6/23/2017 11:58:20 AM	1641.001	4.282	11.799	0.151
6/23/2017 11:58:21 AM	1642.001	4.281	11.791	0.153
6/23/2017 11:58:22 AM	1643.001	4.279	11.756	0.157
6/23/2017 11:58:23 AM	1644.001	4.278	11.773	0.159
6/23/2017 11:58:24 AM	1645.001	4.283	11.789	0.148
6/23/2017 11:58:25 AM	1646.001	4.281	11.771	0.153
6/23/2017 11:58:26 AM	1647.001	4.282	11.776	0.152
6/23/2017 11:58:27 AM	1648.001	4.281	11.775	0.152
6/23/2017 11:58:28 AM	1649.001	4.281	11.775	0.154
6/23/2017 11:58:29 AM	1650.001	4.282	11.781	0.151
6/23/2017 11:58:30 AM	1651.001	4.283	11.776	0.148
6/23/2017 11:58:31 AM	1652.001	4.281	11.789	0.153
6/23/2017 11:58:32 AM	1653.001	4.280	11.761	0.154
6/23/2017 11:58:33 AM	1654.001	4.284	11.791	0.147
6/23/2017 11:58:34 AM	1655.001	4.281	11.765	0.154
6/23/2017 11:58:35 AM	1656.001	4.283	11.817	0.149
6/23/2017 11:58:36 AM	1657.001	4.282	11.793	0.151
6/23/2017 11:58:37 AM	1658.001	4.280	11.796	0.155
6/23/2017 11:58:38 AM	1659.001	4.281	11.789	0.152
6/23/2017 11:58:39 AM	1660.001	4.279	11.758	0.158
6/23/2017 11:58:40 AM	1661.001	4.280	11.786	0.155
6/23/2017 11:58:41 AM	1662.001	4.282	11.739	0.151
6/23/2017 11:58:42 AM	1663.001	4.282	11.789	0.150
6/23/2017 11:58:43 AM	1664.001	4.282	11.806	0.150
6/23/2017 11:58:44 AM	1665.001	4.283	11.753	0.149
6/23/2017 11:58:45 AM	1666.001	4.281	11.778	0.153
6/23/2017 11:58:46 AM	1667.001	4.280	11.799	0.155
6/23/2017 11:58:47 AM	1668.001	4.280	11.757	0.156
6/23/2017 11:58:48 AM	1669.001	4.282	11.794	0.151
6/23/2017 11:58:49 AM	1670.001	4.283	11.777	0.149
6/23/2017 11:58:50 AM	1671.001	4.284	11.772	0.146
6/23/2017 11:58:51 AM	1672.001	4.280	11.772	0.155
6/23/2017 11:58:52 AM	1673.001	4.279	11.750	0.157
6/23/2017 11:58:53 AM	1674.001	4.280	11.785	0.156
6/23/2017 11:58:54 AM	1675.001	4.284	11.764	0.147
6/23/2017 11:58:55 AM	1676.001	4.282	11.797	0.150
6/23/2017 11:58:56 AM	1677.001	4.283	11.763	0.149
6/23/2017 11:58:57 AM	1678.001	4.282	11.794	0.150
6/23/2017 11:58:58 AM	1679.001	4.284	11.773	0.146
6/23/2017 11:58:59 AM	1680.001	4.282	11.782	0.150
6/23/2017 11:59:00 AM	1681.001	4.282	11.776	0.149
6/23/2017 11:59:01 AM	1682.001	4.283	11.759	0.148
6/23/2017 11:59:02 AM	1683.001	4.283	11.791	0.149
6/23/2017 11:59:03 AM	1684.001	4.281	11.778	0.152
6/23/2017 11:59:04 AM	1685.001	4.280	11.772	0.155
6/23/2017 11:59:05 AM	1686.001	4.280	11.775	0.154

6/23/2017 11:59:06 AM	1687.001	4.282	11.789	0.151
6/23/2017 11:59:07 AM	1688.001	4.283	11.806	0.148
6/23/2017 11:59:08 AM	1689.001	4.284	11.764	0.146
6/23/2017 11:59:09 AM	1690.001	4.282	11.770	0.151
6/23/2017 11:59:10 AM	1691.001	4.283	11.772	0.149
6/23/2017 11:59:11 AM	1692.001	4.279	11.772	0.157
6/23/2017 11:59:12 AM	1693.001	4.277	11.784	0.161
6/23/2017 11:59:13 AM	1694.001	4.282	11.796	0.151
6/23/2017 11:59:14 AM	1695.001	4.283	11.762	0.148
6/23/2017 11:59:15 AM	1696.001	4.283	11.760	0.148
6/23/2017 11:59:16 AM	1697.001	4.281	11.778	0.153
6/23/2017 11:59:17 AM	1698.001	4.284	11.756	0.146
6/23/2017 11:59:18 AM	1699.001	4.283	11.772	0.147
6/23/2017 11:59:19 AM	1700.001	4.280	11.766	0.156
6/23/2017 11:59:20 AM	1701.001	4.284	11.764	0.146
6/23/2017 11:59:21 AM	1702.001	4.283	11.781	0.149
6/23/2017 11:59:22 AM	1703.001	4.283	11.786	0.148
6/23/2017 11:59:23 AM	1704.001	4.281	11.784	0.152
6/23/2017 11:59:24 AM	1705.001	4.281	11.772	0.152
6/23/2017 11:59:25 AM	1706.001	4.282	11.743	0.150
6/23/2017 11:59:26 AM	1707.001	4.285	11.765	0.144
6/23/2017 11:59:27 AM	1708.001	4.280	11.774	0.155
6/23/2017 11:59:28 AM	1709.001	4.285	11.780	0.144
6/23/2017 11:59:29 AM	1710.001	4.281	11.785	0.153
6/23/2017 11:59:30 AM	1711.001	4.283	11.759	0.149
6/23/2017 11:59:31 AM	1712.001	4.281	11.761	0.153
6/23/2017 11:59:32 AM	1713.001	4.283	11.770	0.149
6/23/2017 11:59:33 AM	1714.001	4.285	11.789	0.145
6/23/2017 11:59:34 AM	1715.001	4.284	11.762	0.146
6/23/2017 11:59:35 AM	1716.001	4.283	11.764	0.148
6/23/2017 11:59:36 AM	1717.001	4.284	11.755	0.147
6/23/2017 11:59:37 AM	1718.001	4.281	11.778	0.154
6/23/2017 11:59:38 AM	1719.001	4.283	11.771	0.148
6/23/2017 11:59:39 AM	1720.001	4.282	11.737	0.150
6/23/2017 11:59:40 AM	1721.001	4.281	11.764	0.153
6/23/2017 11:59:41 AM	1722.001	4.281	11.760	0.153
6/23/2017 11:59:42 AM	1723.001	4.281	11.741	0.152
6/23/2017 11:59:43 AM	1724.001	4.283	11.745	0.147
6/23/2017 11:59:44 AM	1725.001	4.282	11.764	0.150
6/23/2017 11:59:45 AM	1726.001	4.283	11.774	0.149
6/23/2017 11:59:46 AM	1727.001	4.282	11.742	0.151
6/23/2017 11:59:47 AM	1728.001	4.282	11.749	0.150
6/23/2017 11:59:48 AM	1729.001	4.283	11.767	0.147
6/23/2017 11:59:49 AM	1730.001	4.282	11.764	0.151
6/23/2017 11:59:50 AM	1731.001	4.285	11.752	0.145
6/23/2017 11:59:51 AM	1732.001	4.283	11.761	0.147
6/23/2017 11:59:52 AM	1733.001	4.284	11.784	0.146
6/23/2017 11:59:53 AM	1734.001	4.285	11.750	0.144
6/23/2017 11:59:54 AM	1735.001	4.282	11.774	0.151
6/23/2017 11:59:55 AM	1736.001	4.284	11.770	0.146
6/23/2017 11:59:56 AM	1737.001	4.284	11.741	0.145
6/23/2017 11:59:57 AM	1738.001	4.283	11.738	0.148
6/23/2017 11:59:58 AM	1739.001	4.283	11.756	0.148
6/23/2017 11:59:59 AM	1740.001	4.282	11.768	0.150
6/23/2017 12:00:00 PM	1741.001	4.283	11.751	0.148
6/23/2017 12:00:01 PM	1742.001	4.283	11.775	0.149
6/23/2017 12:00:02 PM	1743.001	4.280	11.768	0.154
6/23/2017 12:00:03 PM	1744.001	4.282	11.766	0.150
6/23/2017 12:00:04 PM	1745.001	4.285	11.756	0.144
6/23/2017 12:00:05 PM	1746.001	4.283	11.767	0.149
6/23/2017 12:00:06 PM	1747.001	4.283	11.766	0.148
6/23/2017 12:00:07 PM	1748.001	4.283	11.803	0.149
6/23/2017 12:00:08 PM	1749.001	4.282	11.770	0.151

6/23/2017 12:00:09 PM	1750.001	4.286	11.748	0.141
6/23/2017 12:00:10 PM	1751.001	4.284	11.767	0.147
6/23/2017 12:00:11 PM	1752.001	4.281	11.761	0.152
6/23/2017 12:00:12 PM	1753.001	4.283	11.747	0.149
6/23/2017 12:00:13 PM	1754.001	4.285	11.744	0.143
6/23/2017 12:00:14 PM	1755.001	4.284	11.756	0.146
6/23/2017 12:00:15 PM	1756.001	4.285	11.767	0.145
6/23/2017 12:00:16 PM	1757.001	4.284	11.757	0.146
6/23/2017 12:00:17 PM	1758.001	4.285	11.745	0.144
6/23/2017 12:00:18 PM	1759.001	4.285	11.746	0.143
6/23/2017 12:00:19 PM	1760.001	4.284	11.765	0.146
6/23/2017 12:00:20 PM	1761.001	4.282	11.762	0.151
6/23/2017 12:00:21 PM	1762.001	4.285	11.766	0.143
6/23/2017 12:00:22 PM	1763.001	4.283	11.758	0.148
6/23/2017 12:00:23 PM	1764.001	4.285	11.753	0.145
6/23/2017 12:00:24 PM	1765.001	4.286	11.764	0.142
6/23/2017 12:00:25 PM	1766.001	4.283	11.741	0.148
6/23/2017 12:00:26 PM	1767.001	4.285	11.754	0.144
6/23/2017 12:00:27 PM	1768.001	4.284	11.729	0.147
6/23/2017 12:00:28 PM	1769.001	4.285	11.780	0.143
6/23/2017 12:00:29 PM	1770.001	4.280	11.750	0.155
6/23/2017 12:00:30 PM	1771.001	4.285	11.743	0.143
6/23/2017 12:00:31 PM	1772.001	4.285	11.765	0.144
6/23/2017 12:00:32 PM	1773.001	4.286	11.763	0.142
6/23/2017 12:00:33 PM	1774.001	4.284	11.731	0.146
6/23/2017 12:00:34 PM	1775.001	4.282	11.756	0.150
6/23/2017 12:00:35 PM	1776.001	4.284	11.742	0.145
6/23/2017 12:00:36 PM	1777.001	4.285	11.761	0.144
6/23/2017 12:00:37 PM	1778.001	4.283	11.748	0.147
6/23/2017 12:00:38 PM	1779.001	4.285	11.734	0.143
6/23/2017 12:00:39 PM	1780.001	4.283	11.749	0.148
6/23/2017 12:00:40 PM	1781.001	4.287	11.727	0.140
6/23/2017 12:00:41 PM	1782.001	4.285	11.724	0.143
6/23/2017 12:00:42 PM	1783.001	4.283	11.755	0.148
6/23/2017 12:00:43 PM	1784.001	4.285	11.739	0.144
6/23/2017 12:00:44 PM	1785.001	4.284	11.742	0.146
6/23/2017 12:00:45 PM	1786.001	4.284	11.747	0.146
6/23/2017 12:00:46 PM	1787.001	4.284	11.734	0.145
6/23/2017 12:00:47 PM	1788.001	4.285	11.748	0.144
6/23/2017 12:00:48 PM	1789.001	4.286	11.748	0.142
6/23/2017 12:00:49 PM	1790.001	4.286	11.759	0.141
6/23/2017 12:00:50 PM	1791.001	4.282	11.742	0.150
6/23/2017 12:00:51 PM	1792.001	4.283	11.726	0.148
6/23/2017 12:00:52 PM	1793.001	4.284	11.731	0.146
6/23/2017 12:00:53 PM	1794.001	4.285	11.761	0.144
6/23/2017 12:00:54 PM	1795.001	4.286	11.757	0.142
6/23/2017 12:00:55 PM	1796.001	4.284	11.741	0.147
6/23/2017 12:00:56 PM	1797.001	4.286	11.755	0.142
6/23/2017 12:00:57 PM	1798.001	4.285	11.750	0.143
6/23/2017 12:00:58 PM	1799.001	4.284	11.749	0.145
6/23/2017 12:00:59 PM	1800.001	4.285	11.745	0.145
6/23/2017 12:01:00 PM	1801.001	4.288	11.731	0.138
6/23/2017 12:01:01 PM	1802.001	4.283	11.753	0.148
6/23/2017 12:01:02 PM	1803.001	4.286	11.753	0.141
6/23/2017 12:01:03 PM	1804.001	4.287	11.732	0.139
6/23/2017 12:01:04 PM	1805.001	4.284	11.752	0.145
6/23/2017 12:01:05 PM	1806.001	4.285	11.773	0.143
6/23/2017 12:01:06 PM	1807.001	4.285	11.742	0.143
6/23/2017 12:01:07 PM	1808.001	4.284	11.756	0.145
6/23/2017 12:01:08 PM	1809.001	4.283	11.750	0.148
6/23/2017 12:01:09 PM	1810.001	4.287	11.744	0.138
6/23/2017 12:01:10 PM	1811.001	4.285	11.753	0.143
6/23/2017 12:01:11 PM	1812.001	4.285	11.767	0.145

6/23/2017 12:01:12 PM	1813.001	4.285	11.736	0.143
6/23/2017 12:01:13 PM	1814.001	4.283	11.728	0.147
6/23/2017 12:01:14 PM	1815.001	4.283	11.740	0.148
6/23/2017 12:01:15 PM	1816.001	4.285	11.753	0.144
6/23/2017 12:01:16 PM	1817.001	4.287	11.754	0.139
6/23/2017 12:01:17 PM	1818.001	4.289	11.736	0.135
6/23/2017 12:01:18 PM	1819.001	4.287	11.742	0.139
6/23/2017 12:01:19 PM	1820.001	4.287	11.759	0.140
6/23/2017 12:01:20 PM	1821.001	4.285	11.740	0.144
6/23/2017 12:01:21 PM	1822.001	4.287	11.734	0.140
6/23/2017 12:01:22 PM	1823.001	4.284	11.767	0.145
6/23/2017 12:01:23 PM	1824.001	4.288	11.747	0.137
6/23/2017 12:01:24 PM	1825.001	4.285	11.750	0.143
6/23/2017 12:01:25 PM	1826.001	4.284	11.756	0.146
6/23/2017 12:01:26 PM	1827.001	4.283	11.721	0.147
6/23/2017 12:01:27 PM	1828.001	4.284	11.739	0.147
6/23/2017 12:01:28 PM	1829.001	4.288	11.723	0.136
6/23/2017 12:01:29 PM	1830.001	4.287	11.758	0.139
6/23/2017 12:01:30 PM	1831.001	4.283	11.724	0.148
6/23/2017 12:01:31 PM	1832.001	4.285	11.714	0.143
6/23/2017 12:01:32 PM	1833.001	4.287	11.739	0.140
6/23/2017 12:01:33 PM	1834.001	4.286	11.739	0.140
6/23/2017 12:01:34 PM	1835.001	4.286	11.739	0.140
6/23/2017 12:01:35 PM	1836.001	4.287	11.731	0.138
6/23/2017 12:01:36 PM	1837.001	4.285	11.759	0.144
6/23/2017 12:01:37 PM	1838.001	4.285	11.767	0.143
6/23/2017 12:01:38 PM	1839.001	4.287	11.749	0.138
6/23/2017 12:01:39 PM	1840.001	4.287	11.733	0.140
6/23/2017 12:01:40 PM	1841.001	4.285	11.744	0.145
6/23/2017 12:01:41 PM	1842.001	4.285	11.711	0.143
6/23/2017 12:01:42 PM	1843.001	4.287	11.720	0.139
6/23/2017 12:01:43 PM	1844.001	4.284	11.751	0.145
6/23/2017 12:01:44 PM	1845.001	4.285	11.767	0.143
6/23/2017 12:01:45 PM	1846.001	4.286	11.767	0.142
6/23/2017 12:01:46 PM	1847.001	4.285	11.720	0.145
6/23/2017 12:01:47 PM	1848.001	4.284	11.755	0.145
6/23/2017 12:01:48 PM	1849.001	4.286	11.708	0.142
6/23/2017 12:01:49 PM	1850.001	4.286	11.724	0.141
6/23/2017 12:01:50 PM	1851.001	4.289	11.736	0.135
6/23/2017 12:01:51 PM	1852.001	4.285	11.726	0.143
6/23/2017 12:01:52 PM	1853.001	4.286	11.756	0.142
6/23/2017 12:01:53 PM	1854.001	4.288	11.744	0.136
6/23/2017 12:01:54 PM	1855.001	4.284	11.720	0.146
6/23/2017 12:01:55 PM	1856.001	4.284	11.761	0.145
6/23/2017 12:01:56 PM	1857.001	4.288	11.748	0.136
6/23/2017 12:01:57 PM	1858.001	4.287	11.756	0.138
6/23/2017 12:01:58 PM	1859.001	4.288	11.740	0.138
6/23/2017 12:01:59 PM	1860.001	4.285	11.727	0.144
6/23/2017 12:02:00 PM	1861.001	4.285	11.759	0.144
6/23/2017 12:02:01 PM	1862.001	4.285	11.721	0.143
6/23/2017 12:02:02 PM	1863.001	4.286	11.743	0.142
6/23/2017 12:02:03 PM	1864.001	4.286	11.714	0.141
6/23/2017 12:02:04 PM	1865.001	4.287	11.714	0.140
6/23/2017 12:02:05 PM	1866.001	4.287	11.723	0.138
6/23/2017 12:02:06 PM	1867.001	4.287	11.727	0.138
6/23/2017 12:02:07 PM	1868.001	4.285	11.741	0.143
6/23/2017 12:02:08 PM	1869.001	4.288	11.731	0.137
6/23/2017 12:02:09 PM	1870.001	4.285	11.734	0.143
6/23/2017 12:02:10 PM	1871.001	4.285	11.726	0.143
6/23/2017 12:02:11 PM	1872.001	4.288	11.756	0.136
6/23/2017 12:02:12 PM	1873.001	4.287	11.734	0.139
6/23/2017 12:02:13 PM	1874.001	4.288	11.736	0.136
6/23/2017 12:02:14 PM	1875.001	4.286	11.736	0.141

6/23/2017 12:02:15 PM	1876.001	4.288	11.734	0.137
6/23/2017 12:02:16 PM	1877.001	4.289	11.742	0.134
6/23/2017 12:02:17 PM	1878.001	4.287	11.718	0.139
6/23/2017 12:02:18 PM	1879.001	4.287	11.729	0.139
6/23/2017 12:02:19 PM	1880.001	4.287	11.706	0.140
6/23/2017 12:02:20 PM	1881.001	4.288	11.729	0.137
6/23/2017 12:02:21 PM	1882.001	4.289	11.715	0.135
6/23/2017 12:02:22 PM	1883.001	4.286	11.726	0.142
6/23/2017 12:02:23 PM	1884.001	4.287	11.775	0.139
6/23/2017 12:02:24 PM	1885.001	4.290	11.707	0.133
6/23/2017 12:02:25 PM	1886.001	4.286	11.737	0.142
6/23/2017 12:02:26 PM	1887.001	4.285	11.734	0.144
6/23/2017 12:02:27 PM	1888.001	4.284	11.728	0.145
6/23/2017 12:02:28 PM	1889.001	4.284	11.728	0.145
6/23/2017 12:02:29 PM	1890.001	4.288	11.730	0.137
6/23/2017 12:02:30 PM	1891.001	4.287	11.730	0.139
6/23/2017 12:02:31 PM	1892.001	4.286	11.724	0.141
6/23/2017 12:02:32 PM	1893.001	4.287	11.740	0.139
6/23/2017 12:02:33 PM	1894.001	4.287	11.753	0.139
6/23/2017 12:02:34 PM	1895.001	4.285	11.739	0.144
6/23/2017 12:02:35 PM	1896.001	4.287	11.764	0.139
6/23/2017 12:02:36 PM	1897.001	4.286	11.734	0.142
6/23/2017 12:02:37 PM	1898.001	4.289	11.725	0.134
6/23/2017 12:02:38 PM	1899.001	4.286	11.718	0.141
6/23/2017 12:02:39 PM	1900.001	4.288	11.710	0.137
6/23/2017 12:02:40 PM	1901.001	4.286	11.738	0.141
6/23/2017 12:02:41 PM	1902.001	4.287	11.732	0.139
6/23/2017 12:02:42 PM	1903.001	4.286	11.742	0.141
6/23/2017 12:02:43 PM	1904.001	4.285	11.734	0.143
6/23/2017 12:02:44 PM	1905.001	4.286	11.722	0.141
6/23/2017 12:02:45 PM	1906.001	4.289	11.713	0.135
6/23/2017 12:02:46 PM	1907.001	4.286	11.685	0.141
6/23/2017 12:02:47 PM	1908.001	4.289	11.759	0.134
6/23/2017 12:02:48 PM	1909.001	4.289	11.741	0.135
6/23/2017 12:02:49 PM	1910.001	4.289	11.724	0.135
6/23/2017 12:02:50 PM	1911.001	4.287	11.724	0.140
6/23/2017 12:02:51 PM	1912.001	4.287	11.748	0.139
6/23/2017 12:02:52 PM	1913.001	4.288	11.713	0.137
6/23/2017 12:02:53 PM	1914.001	4.284	11.714	0.146
6/23/2017 12:02:54 PM	1915.001	4.286	11.749	0.140
6/23/2017 12:02:55 PM	1916.001	4.287	11.736	0.138
6/23/2017 12:02:56 PM	1917.001	4.286	11.723	0.142
6/23/2017 12:02:57 PM	1918.001	4.287	11.717	0.140
6/23/2017 12:02:58 PM	1919.001	4.287	11.750	0.139
6/23/2017 12:02:59 PM	1920.001	4.290	11.736	0.132
6/23/2017 12:03:00 PM	1921.001	4.286	11.719	0.141
6/23/2017 12:03:01 PM	1922.001	4.289	11.743	0.135
6/23/2017 12:03:02 PM	1923.001	4.288	11.755	0.137
6/23/2017 12:03:03 PM	1924.001	4.287	11.728	0.139
6/23/2017 12:03:04 PM	1925.001	4.288	11.726	0.137
6/23/2017 12:03:05 PM	1926.001	4.286	11.716	0.142
6/23/2017 12:03:06 PM	1927.001	4.287	11.726	0.139
6/23/2017 12:03:07 PM	1928.001	4.289	11.723	0.135
6/23/2017 12:03:08 PM	1929.001	4.288	11.768	0.137
6/23/2017 12:03:09 PM	1930.001	4.289	11.723	0.135
6/23/2017 12:03:10 PM	1931.001	4.287	11.734	0.139
6/23/2017 12:03:11 PM	1932.001	4.287	11.720	0.139
6/23/2017 12:03:12 PM	1933.001	4.287	11.720	0.138
6/23/2017 12:03:13 PM	1934.001	4.285	11.739	0.143
6/23/2017 12:03:14 PM	1935.001	4.288	11.704	0.137
6/23/2017 12:03:15 PM	1936.001	4.290	11.728	0.133
6/23/2017 12:03:16 PM	1937.001	4.287	11.727	0.140
6/23/2017 12:03:17 PM	1938.001	4.289	11.729	0.134

6/23/2017 12:03:18 PM	1939.001	4.288	11.723	0.136
6/23/2017 12:03:19 PM	1940.001	4.287	11.725	0.139
6/23/2017 12:03:20 PM	1941.001	4.289	11.714	0.134
6/23/2017 12:03:21 PM	1942.001	4.288	11.719	0.137
6/23/2017 12:03:22 PM	1943.001	4.287	11.709	0.139
6/23/2017 12:03:23 PM	1944.001	4.286	11.749	0.142
6/23/2017 12:03:24 PM	1945.001	4.290	11.702	0.132
6/23/2017 12:03:25 PM	1946.001	4.287	11.750	0.140
6/23/2017 12:03:26 PM	1947.001	4.287	11.739	0.139
6/23/2017 12:03:27 PM	1948.001	4.288	11.727	0.137
6/23/2017 12:03:28 PM	1949.001	4.285	11.736	0.144
6/23/2017 12:03:29 PM	1950.001	4.289	11.720	0.134
6/23/2017 12:03:30 PM	1951.001	4.288	11.742	0.136
6/23/2017 12:03:31 PM	1952.001	4.288	11.725	0.136
6/23/2017 12:03:32 PM	1953.001	4.287	11.735	0.138
6/23/2017 12:03:33 PM	1954.001	4.288	11.743	0.137
6/23/2017 12:03:34 PM	1955.001	4.287	11.721	0.140
6/23/2017 12:03:35 PM	1956.001	4.286	11.699	0.142
6/23/2017 12:03:36 PM	1957.001	4.292	11.726	0.127
6/23/2017 12:03:37 PM	1958.001	4.295	11.727	0.120
6/23/2017 12:03:38 PM	1959.001	4.293	11.727	0.125
6/23/2017 12:03:39 PM	1960.001	4.295	11.712	0.122
6/23/2017 12:03:40 PM	1961.001	4.297	11.721	0.116
6/23/2017 12:03:41 PM	1962.001	4.295	11.701	0.120
6/23/2017 12:03:42 PM	1963.001	4.297	11.705	0.117
6/23/2017 12:03:43 PM	1964.001	4.295	11.728	0.121
6/23/2017 12:03:44 PM	1965.001	4.294	11.691	0.123
6/23/2017 12:03:45 PM	1966.001	4.294	11.734	0.122
6/23/2017 12:03:46 PM	1967.001	4.294	11.706	0.122
6/23/2017 12:03:47 PM	1968.001	4.295	11.702	0.121
6/23/2017 12:03:48 PM	1969.001	4.294	11.724	0.123
6/23/2017 12:03:49 PM	1970.001	4.294	11.734	0.122
6/23/2017 12:03:50 PM	1971.001	4.294	11.725	0.123
6/23/2017 12:03:51 PM	1972.001	4.293	11.699	0.126
6/23/2017 12:03:52 PM	1973.001	4.295	11.706	0.121
6/23/2017 12:03:53 PM	1974.001	4.298	11.723	0.114
6/23/2017 12:03:54 PM	1975.001	4.295	11.695	0.120
6/23/2017 12:03:55 PM	1976.001	4.295	11.705	0.121
6/23/2017 12:03:56 PM	1977.001	4.296	11.714	0.118
6/23/2017 12:03:57 PM	1978.001	4.294	11.753	0.123
6/23/2017 12:03:58 PM	1979.001	4.298	11.723	0.114
6/23/2017 12:03:59 PM	1980.001	4.295	11.724	0.120
6/23/2017 12:04:00 PM	1981.001	4.296	11.726	0.117
6/23/2017 12:04:01 PM	1982.001	4.295	11.731	0.120
6/23/2017 12:04:02 PM	1983.001	4.295	11.703	0.122
6/23/2017 12:04:03 PM	1984.001	4.296	11.728	0.118
6/23/2017 12:04:04 PM	1985.001	4.295	11.703	0.121
6/23/2017 12:04:05 PM	1986.001	4.297	11.699	0.116
6/23/2017 12:04:06 PM	1987.001	4.295	11.698	0.122
6/23/2017 12:04:07 PM	1988.001	4.296	11.709	0.118
6/23/2017 12:04:08 PM	1989.001	4.296	11.745	0.118
6/23/2017 12:04:09 PM	1990.001	4.294	11.714	0.123
6/23/2017 12:04:10 PM	1991.001	4.294	11.694	0.123
6/23/2017 12:04:11 PM	1992.001	4.296	11.739	0.119
6/23/2017 12:04:12 PM	1993.001	4.297	11.704	0.116
6/23/2017 12:04:13 PM	1994.001	4.297	11.706	0.116
6/23/2017 12:04:14 PM	1995.001	4.293	11.720	0.125
6/23/2017 12:04:15 PM	1996.001	4.295	11.728	0.121
6/23/2017 12:04:16 PM	1997.001	4.295	11.696	0.121
6/23/2017 12:04:17 PM	1998.001	4.295	11.697	0.121
6/23/2017 12:04:18 PM	1999.001	4.297	11.723	0.115
6/23/2017 12:04:19 PM	2000.001	4.298	11.739	0.113
6/23/2017 12:04:20 PM	2001.001	4.294	11.741	0.123

6/23/2017 12:04:21 PM	2002.001	4.292	11.709	0.128
6/23/2017 12:04:22 PM	2003.001	4.295	11.728	0.121
6/23/2017 12:04:23 PM	2004.001	4.296	11.719	0.118
6/23/2017 12:04:24 PM	2005.001	4.296	11.698	0.118
6/23/2017 12:04:25 PM	2006.001	4.295	11.703	0.121
6/23/2017 12:04:26 PM	2007.001	4.297	11.726	0.115
6/23/2017 12:04:27 PM	2008.001	4.297	11.719	0.115
6/23/2017 12:04:28 PM	2009.001	4.294	11.684	0.123
6/23/2017 12:04:29 PM	2010.001	4.297	11.717	0.115

Report Date: 7/10/2017 9:16:09 AM
Report User Name: dalmond
Report Computer Name: PINEWRKMA25-PC
Application: WinSitu.exe
Application Version: 5.6.25.0

Log File Properties:
File Name: CH-MW019 FH1_2017-07-10_09-16-03-519.wsl
Create Date: 7/10/2017 9:15:23 AM

Device Properties:
Device: Level TROLL 700
Site: Camp Hero
Device Name:
Serial Number: 169305
Firmware Version: 2.09
Hardware Version: 3
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 28
Used Battery(%): 41

Log Configuration
Log Name: CH-MW019 FH1
Created By: Unknown
Computer Name: Pocket PC
Application: WinSituMobile.exe
Application Version: 5.6.0.10
Create Date: 3/5/2006 7:35:30 AM Eastern Standard Time
Log Setup Time Zone: Eastern Standard Time
Notes Size(bytes): 4096
Overwrite when full: Disabled
Scheduled Start Time: Manual Start
Scheduled Stop Time: No Stop Time
Type: Step Test
Steps: 2 (Linear)
Step: 1
Duration: Days: 0 hrs: 00 mins: 05 secs: 00
Interval: Days: 0 hrs: 00 mins: 00 secs: 05
Step: 2
Duration: Days: 0 hrs: 10 mins: 00 secs: 00
Interval: Days: 0 hrs: 00 mins: 01 secs: 00

Level Reference Settings At Log Creation
Level Measurement Mode: Level Depth To Water
Specific Gravity: 0.999
Level Reference Mode: Set new reference
Level Reference Value: 0 (ft)
Level Reference Head Pressure: 1.75968 (PSI)

Other Log Settings
Depth of Probe: 4.06916 (ft)
Head Pressure: 1.76233 (PSI)
Temperature: 10.9722 (C)

Log Notes:

Date and Time	Note
6/23/2017 1:12:26 PM	Used Battery: 41% Used Memory: 29% User Name: Unknown
6/23/2017 1:12:46 PM	Manual Start Command
6/23/2017 1:14:55 PM	Log Download - Used Battery: 41% Used Memory: 29% User Name: Unknown

Log Data:
Record Count: 661
Sensors: 1
1 - 169305: Pressure/Temp 30 PSIG (21m/69ft)
Time Zone: Eastern Daylight Time

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 69ft SN#: 169305 Pressure (PSI)	Sensor: Pres(G) 69ft SN#: 169305 Temperature (C)	Sensor: Pres(G) 69ft SN#: 169305 Level Depth To Water (ft)
6/23/2017 1:12:46 PM	0.000	1.771	10.864	-0.026
6/23/2017 1:12:51 PM	5.001	1.765	10.866	-0.013
6/23/2017 1:12:56 PM	10.001	1.766	10.866	-0.016
6/23/2017 1:13:01 PM	15.001	1.860	10.863	-0.230
6/23/2017 1:13:06 PM	20.001	1.859	10.864	-0.229
6/23/2017 1:13:11 PM	25.001	1.855	10.862	-0.221
6/23/2017 1:13:16 PM	30.001	1.856	10.865	-0.223
6/23/2017 1:13:21 PM	35.001	1.859	10.863	-0.229
6/23/2017 1:13:26 PM	40.001	1.856	10.862	-0.223
6/23/2017 1:13:31 PM	45.001	1.859	10.862	-0.230
6/23/2017 1:13:36 PM	50.001	1.858	10.863	-0.226
6/23/2017 1:13:41 PM	55.001	1.858	10.860	-0.228
6/23/2017 1:13:46 PM	60.001	1.858	10.858	-0.228
6/23/2017 1:13:51 PM	65.001	1.857	10.857	-0.225
6/23/2017 1:13:56 PM	70.001	1.859	10.859	-0.229
6/23/2017 1:14:01 PM	75.001	1.857	10.857	-0.224
6/23/2017 1:14:06 PM	80.001	1.858	10.859	-0.226
6/23/2017 1:14:11 PM	85.001	1.857	10.858	-0.225
6/23/2017 1:14:16 PM	90.001	1.858	10.858	-0.227
6/23/2017 1:14:21 PM	95.001	1.858	10.875	-0.226
6/23/2017 1:14:26 PM	100.001	1.856	10.858	-0.223
6/23/2017 1:14:32 PM	105.414	1.858	10.882	-0.226
6/23/2017 1:14:36 PM	110.001	1.861	10.862	-0.233
6/23/2017 1:14:41 PM	115.001	1.860	10.860	-0.231
6/23/2017 1:14:46 PM	120.001	1.858	10.856	-0.227
6/23/2017 1:14:51 PM	125.001	1.856	10.858	-0.223
6/23/2017 1:14:56 PM	130.001	1.860	10.856	-0.231
6/23/2017 1:15:01 PM	135.001	1.857	10.855	-0.225
6/23/2017 1:15:06 PM	140.001	1.858	10.858	-0.227
6/23/2017 1:15:11 PM	145.001	1.858	10.857	-0.228
6/23/2017 1:15:16 PM	150.001	1.858	10.857	-0.226
6/23/2017 1:15:21 PM	155.001	1.860	10.859	-0.232
6/23/2017 1:15:26 PM	160.001	1.857	10.856	-0.224
6/23/2017 1:15:31 PM	165.001	1.860	10.856	-0.231
6/23/2017 1:15:36 PM	170.001	1.858	10.856	-0.228
6/23/2017 1:15:41 PM	175.001	1.859	10.855	-0.229
6/23/2017 1:15:46 PM	180.001	1.858	10.856	-0.228
6/23/2017 1:15:51 PM	185.001	1.860	10.856	-0.231
6/23/2017 1:15:56 PM	190.001	1.858	10.854	-0.227
6/23/2017 1:16:01 PM	195.001	1.858	10.854	-0.227
6/23/2017 1:16:06 PM	200.001	1.856	10.857	-0.224
6/23/2017 1:16:11 PM	205.001	1.857	10.854	-0.225
6/23/2017 1:16:16 PM	210.001	1.859	10.872	-0.229
6/23/2017 1:16:21 PM	215.001	1.858	10.857	-0.226
6/23/2017 1:16:26 PM	220.001	1.858	10.865	-0.228

6/23/2017 1:16:31 PM	225.001	1.859	10.857	-0.229
6/23/2017 1:16:36 PM	230.001	1.858	10.863	-0.228
6/23/2017 1:16:41 PM	235.001	1.858	10.859	-0.227
6/23/2017 1:16:46 PM	240.001	1.858	10.875	-0.228
6/23/2017 1:16:51 PM	245.001	1.857	10.858	-0.225
6/23/2017 1:16:56 PM	250.001	1.858	10.873	-0.227
6/23/2017 1:17:01 PM	255.001	1.858	10.857	-0.227
6/23/2017 1:17:06 PM	260.001	1.858	10.875	-0.228
6/23/2017 1:17:11 PM	265.001	1.858	10.857	-0.228
6/23/2017 1:17:16 PM	270.001	1.858	10.875	-0.227
6/23/2017 1:17:21 PM	275.001	1.859	10.859	-0.230
6/23/2017 1:17:26 PM	280.001	1.861	10.863	-0.233
6/23/2017 1:17:31 PM	285.001	1.858	10.858	-0.227
6/23/2017 1:17:36 PM	290.001	1.859	10.876	-0.229
6/23/2017 1:17:41 PM	295.001	1.859	10.858	-0.230
6/23/2017 1:17:46 PM	300.001	1.859	10.871	-0.229
6/23/2017 1:18:46 PM	360.001	1.860	10.868	-0.230
6/23/2017 1:19:46 PM	420.001	1.860	10.863	-0.231
6/23/2017 1:20:46 PM	480.001	1.860	10.864	-0.232
6/23/2017 1:21:46 PM	540.001	1.860	10.860	-0.232
6/23/2017 1:22:46 PM	600.001	1.861	10.858	-0.233
6/23/2017 1:23:46 PM	660.001	1.860	10.857	-0.232
6/23/2017 1:24:46 PM	720.001	1.861	10.857	-0.233
6/23/2017 1:25:46 PM	780.001	1.861	10.857	-0.235
6/23/2017 1:26:46 PM	840.001	1.860	10.852	-0.233
6/23/2017 1:27:46 PM	900.001	1.860	10.852	-0.232
6/23/2017 1:28:46 PM	960.001	1.862	10.848	-0.237
6/23/2017 1:29:46 PM	1020.001	1.862	10.832	-0.237
6/23/2017 1:30:46 PM	1080.002	1.865	10.830	-0.243
6/23/2017 1:31:46 PM	1140.002	1.865	10.822	-0.243
6/23/2017 1:32:46 PM	1200.002	1.866	10.820	-0.245
6/23/2017 1:33:46 PM	1260.002	1.872	10.819	-0.260
6/23/2017 1:34:46 PM	1320.002	1.871	10.816	-0.257
6/23/2017 1:35:46 PM	1380.002	1.873	10.814	-0.262
6/23/2017 1:36:46 PM	1440.002	1.873	10.813	-0.261
6/23/2017 1:37:46 PM	1500.002	1.872	10.815	-0.260
6/23/2017 1:38:46 PM	1560.002	1.873	10.809	-0.262
6/23/2017 1:39:46 PM	1620.002	1.874	10.811	-0.264
6/23/2017 1:40:46 PM	1680.002	1.875	10.807	-0.266
6/23/2017 1:41:46 PM	1740.002	1.876	10.807	-0.268
6/23/2017 1:42:46 PM	1800.002	1.876	10.810	-0.268
6/23/2017 1:43:46 PM	1860.002	1.876	10.807	-0.268
6/23/2017 1:44:46 PM	1920.002	1.876	10.807	-0.268
6/23/2017 1:45:46 PM	1980.002	1.874	10.807	-0.264
6/23/2017 1:46:46 PM	2040.002	1.876	10.804	-0.269
6/23/2017 1:47:46 PM	2100.002	1.875	10.803	-0.266
6/23/2017 1:48:46 PM	2160.002	1.876	10.804	-0.268
6/23/2017 1:49:46 PM	2220.002	1.878	10.804	-0.272
6/23/2017 1:50:46 PM	2280.002	1.878	10.804	-0.273
6/23/2017 1:51:46 PM	2340.002	1.878	10.801	-0.273
6/23/2017 1:52:46 PM	2400.002	1.879	10.800	-0.276
6/23/2017 1:53:46 PM	2460.002	1.878	10.801	-0.272
6/23/2017 1:54:46 PM	2520.002	1.880	10.802	-0.277
6/23/2017 1:55:46 PM	2580.002	1.881	10.801	-0.279
6/23/2017 1:56:46 PM	2640.002	1.879	10.801	-0.276
6/23/2017 1:57:46 PM	2700.002	1.880	10.800	-0.277
6/23/2017 1:58:46 PM	2760.002	1.880	10.798	-0.278
6/23/2017 1:59:46 PM	2820.002	1.879	10.797	-0.274
6/23/2017 2:00:46 PM	2880.002	1.880	10.799	-0.279
6/23/2017 2:01:46 PM	2940.002	1.882	10.797	-0.282
6/23/2017 2:02:46 PM	3000.002	1.881	10.800	-0.281
6/23/2017 2:03:46 PM	3060.002	1.882	10.799	-0.282
6/23/2017 2:04:46 PM	3120.002	1.883	10.800	-0.284

6/23/2017 2:05:46 PM	3180.002	1.883	10.798	-0.284
6/23/2017 2:06:46 PM	3240.002	1.883	10.797	-0.285
6/23/2017 2:07:46 PM	3300.002	1.884	10.797	-0.287
6/23/2017 2:08:46 PM	3360.002	1.883	10.796	-0.285
6/23/2017 2:09:46 PM	3420.002	1.883	10.797	-0.284
6/23/2017 2:10:46 PM	3480.002	1.885	10.795	-0.289
6/23/2017 2:11:46 PM	3540.002	1.885	10.797	-0.289
6/23/2017 2:12:46 PM	3600.002	1.885	10.794	-0.288
6/23/2017 2:13:46 PM	3660.002	1.886	10.793	-0.291
6/23/2017 2:14:46 PM	3720.002	1.884	10.793	-0.288
6/23/2017 2:15:46 PM	3780.002	1.885	10.794	-0.289
6/23/2017 2:16:46 PM	3840.002	1.886	10.795	-0.292
6/23/2017 2:17:46 PM	3900.002	1.886	10.795	-0.292
6/23/2017 2:18:46 PM	3960.002	1.888	10.793	-0.296
6/23/2017 2:19:46 PM	4020.002	1.887	10.793	-0.294
6/23/2017 2:20:46 PM	4080.002	1.887	10.792	-0.293
6/23/2017 2:21:46 PM	4140.002	1.887	10.794	-0.294
6/23/2017 2:22:46 PM	4200.002	1.888	10.795	-0.296
6/23/2017 2:23:46 PM	4260.002	1.889	10.796	-0.299
6/23/2017 2:24:46 PM	4320.002	1.888	10.792	-0.297
6/23/2017 2:25:46 PM	4380.002	1.887	10.791	-0.295
6/23/2017 2:26:46 PM	4440.002	1.890	10.795	-0.300
6/23/2017 2:27:46 PM	4500.002	1.890	10.793	-0.300
6/23/2017 2:28:46 PM	4560.002	1.889	10.794	-0.299
6/23/2017 2:29:46 PM	4620.002	1.890	10.795	-0.301
6/23/2017 2:30:46 PM	4680.002	1.891	10.794	-0.302
6/23/2017 2:31:46 PM	4740.002	1.889	10.797	-0.299
6/23/2017 2:32:46 PM	4800.002	1.891	10.792	-0.304
6/23/2017 2:33:46 PM	4860.002	1.892	10.796	-0.305
6/23/2017 2:34:46 PM	4920.002	1.893	10.797	-0.308
6/23/2017 2:35:46 PM	4980.002	1.893	10.798	-0.307
6/23/2017 2:36:46 PM	5040.002	1.893	10.797	-0.308
6/23/2017 2:37:46 PM	5100.002	1.893	10.798	-0.308
6/23/2017 2:38:46 PM	5160.002	1.893	10.798	-0.309
6/23/2017 2:39:46 PM	5220.002	1.892	10.796	-0.306
6/23/2017 2:40:46 PM	5280.002	1.893	10.798	-0.308
6/23/2017 2:41:46 PM	5340.002	1.894	10.801	-0.310
6/23/2017 2:42:46 PM	5400.002	1.895	10.802	-0.312
6/23/2017 2:43:46 PM	5460.002	1.894	10.799	-0.311
6/23/2017 2:44:46 PM	5520.002	1.895	10.801	-0.313
6/23/2017 2:45:46 PM	5580.002	1.896	10.803	-0.314
6/23/2017 2:46:46 PM	5640.002	1.895	10.804	-0.312
6/23/2017 2:47:46 PM	5700.002	1.896	10.801	-0.314
6/23/2017 2:48:46 PM	5760.002	1.897	10.800	-0.317
6/23/2017 2:49:46 PM	5820.002	1.898	10.800	-0.319
6/23/2017 2:50:46 PM	5880.002	1.898	10.801	-0.318
6/23/2017 2:51:46 PM	5940.002	1.897	10.800	-0.317
6/23/2017 2:52:46 PM	6000.002	1.898	10.798	-0.320
6/23/2017 2:53:46 PM	6060.002	1.899	10.799	-0.321
6/23/2017 2:54:46 PM	6120.002	1.897	10.801	-0.317
6/23/2017 2:55:46 PM	6180.002	1.898	10.800	-0.319
6/23/2017 2:56:46 PM	6240.002	1.901	10.799	-0.326
6/23/2017 2:57:46 PM	6300.002	1.900	10.797	-0.323
6/23/2017 2:58:46 PM	6360.002	1.898	10.797	-0.320
6/23/2017 2:59:46 PM	6420.002	1.901	10.797	-0.326
6/23/2017 3:00:46 PM	6480.002	1.901	10.801	-0.326
6/23/2017 3:01:46 PM	6540.002	1.902	10.798	-0.329
6/23/2017 3:02:46 PM	6600.002	1.901	10.797	-0.326
6/23/2017 3:03:46 PM	6660.002	1.902	10.796	-0.328
6/23/2017 3:04:46 PM	6720.002	1.903	10.797	-0.331
6/23/2017 3:05:46 PM	6780.002	1.903	10.797	-0.331
6/23/2017 3:06:46 PM	6840.002	1.903	10.797	-0.330
6/23/2017 3:07:46 PM	6900.002	1.903	10.796	-0.332

6/23/2017 3:08:46 PM	6960.002	1.903	10.797	-0.332
6/23/2017 3:09:46 PM	7020.002	1.904	10.797	-0.332
6/23/2017 3:10:46 PM	7080.002	1.903	10.798	-0.331
6/23/2017 3:11:46 PM	7140.002	1.904	10.797	-0.333
6/23/2017 3:12:46 PM	7200.002	1.905	10.797	-0.336
6/23/2017 3:13:46 PM	7260.002	1.905	10.795	-0.335
6/23/2017 3:14:46 PM	7320.002	1.905	10.796	-0.336
6/23/2017 3:15:46 PM	7380.002	1.906	10.797	-0.337
6/23/2017 3:16:46 PM	7440.002	1.904	10.794	-0.334
6/23/2017 3:17:46 PM	7500.002	1.907	10.794	-0.341
6/23/2017 3:18:46 PM	7560.002	1.906	10.795	-0.338
6/23/2017 3:19:46 PM	7620.002	1.906	10.794	-0.337
6/23/2017 3:20:46 PM	7680.002	1.908	10.793	-0.343
6/23/2017 3:21:46 PM	7740.002	1.906	10.790	-0.338
6/23/2017 3:22:46 PM	7800.002	1.906	10.796	-0.338
6/23/2017 3:23:46 PM	7860.002	1.909	10.796	-0.345
6/23/2017 3:24:46 PM	7920.002	1.909	10.792	-0.345
6/23/2017 3:25:46 PM	7980.002	1.910	10.794	-0.346
6/23/2017 3:26:46 PM	8040.002	1.909	10.792	-0.344
6/23/2017 3:27:46 PM	8100.002	1.909	10.790	-0.345
6/23/2017 3:28:46 PM	8160.002	1.910	10.790	-0.347
6/23/2017 3:29:46 PM	8220.002	1.909	10.792	-0.344
6/23/2017 3:30:46 PM	8280.002	1.911	10.792	-0.349
6/23/2017 3:31:46 PM	8340.002	1.910	10.793	-0.348
6/23/2017 3:32:46 PM	8400.002	1.911	10.793	-0.350
6/23/2017 3:33:46 PM	8460.002	1.912	10.786	-0.351
6/23/2017 3:34:46 PM	8520.002	1.912	10.788	-0.352
6/23/2017 3:35:46 PM	8580.002	1.913	10.790	-0.354
6/23/2017 3:36:46 PM	8640.002	1.912	10.787	-0.352
6/23/2017 3:37:46 PM	8700.002	1.914	10.787	-0.356
6/23/2017 3:38:46 PM	8760.002	1.913	10.791	-0.355
6/23/2017 3:39:46 PM	8820.002	1.915	10.787	-0.359
6/23/2017 3:40:46 PM	8880.002	1.913	10.790	-0.354
6/23/2017 3:41:46 PM	8940.002	1.914	10.787	-0.357
6/23/2017 3:42:46 PM	9000.002	1.914	10.789	-0.356
6/23/2017 3:43:46 PM	9060.002	1.915	10.787	-0.358
6/23/2017 3:44:46 PM	9120.002	1.916	10.787	-0.361
6/23/2017 3:45:46 PM	9180.002	1.916	10.785	-0.360
6/23/2017 3:46:46 PM	9240.002	1.916	10.787	-0.362
6/23/2017 3:47:46 PM	9300.002	1.916	10.787	-0.361
6/23/2017 3:48:46 PM	9360.002	1.916	10.787	-0.361
6/23/2017 3:49:46 PM	9420.002	1.916	10.785	-0.362
6/23/2017 3:50:46 PM	9480.002	1.917	10.789	-0.364
6/23/2017 3:51:46 PM	9540.002	1.918	10.786	-0.366
6/23/2017 3:52:46 PM	9600.002	1.917	10.787	-0.362
6/23/2017 3:53:46 PM	9660.002	1.918	10.786	-0.365
6/23/2017 3:54:46 PM	9720.002	1.918	10.786	-0.365
6/23/2017 3:55:46 PM	9780.002	1.918	10.785	-0.365
6/23/2017 3:56:46 PM	9840.002	1.919	10.787	-0.368
6/23/2017 3:57:46 PM	9900.002	1.919	10.787	-0.368
6/23/2017 3:58:46 PM	9960.002	1.918	10.787	-0.365
6/23/2017 3:59:46 PM	10020.002	1.920	10.788	-0.371
6/23/2017 4:00:46 PM	10080.002	1.920	10.787	-0.371
6/23/2017 4:01:46 PM	10140.002	1.921	10.788	-0.372
6/23/2017 4:02:46 PM	10200.002	1.922	10.788	-0.375
6/23/2017 4:03:46 PM	10260.002	1.922	10.785	-0.374
6/23/2017 4:04:46 PM	10320.002	1.921	10.787	-0.373
6/23/2017 4:05:46 PM	10380.002	1.922	10.786	-0.374
6/23/2017 4:06:46 PM	10440.002	1.923	10.786	-0.378
6/23/2017 4:07:46 PM	10500.002	1.922	10.786	-0.376
6/23/2017 4:08:46 PM	10560.002	1.922	10.787	-0.375
6/23/2017 4:09:46 PM	10620.002	1.925	10.784	-0.382
6/23/2017 4:10:46 PM	10680.002	1.922	10.787	-0.376

6/23/2017 4:11:46 PM	10740.002	1.925	10.787	-0.382
6/23/2017 4:12:46 PM	10800.002	1.924	10.785	-0.380
6/23/2017 4:13:46 PM	10860.002	1.924	10.787	-0.379
6/23/2017 4:14:46 PM	10920.002	1.921	10.786	-0.373
6/23/2017 4:15:46 PM	10980.002	1.924	10.787	-0.380
6/23/2017 4:16:46 PM	11040.002	1.926	10.788	-0.385
6/23/2017 4:17:46 PM	11100.002	1.927	10.787	-0.385
6/23/2017 4:18:46 PM	11160.002	1.927	10.787	-0.385
6/23/2017 4:19:46 PM	11220.002	1.924	10.788	-0.380
6/23/2017 4:20:46 PM	11280.002	1.927	10.790	-0.386
6/23/2017 4:21:46 PM	11340.002	1.927	10.788	-0.385
6/23/2017 4:22:46 PM	11400.002	1.927	10.789	-0.387
6/23/2017 4:23:46 PM	11460.002	1.928	10.788	-0.388
6/23/2017 4:24:46 PM	11520.002	1.928	10.791	-0.390
6/23/2017 4:25:46 PM	11580.002	1.927	10.788	-0.387
6/23/2017 4:26:46 PM	11640.002	1.929	10.790	-0.392
6/23/2017 4:27:46 PM	11700.002	1.929	10.791	-0.392
6/23/2017 4:28:46 PM	11760.002	1.930	10.790	-0.392
6/23/2017 4:29:46 PM	11820.002	1.930	10.787	-0.392
6/23/2017 4:30:46 PM	11880.002	1.930	10.787	-0.393
6/23/2017 4:31:46 PM	11940.002	1.931	10.789	-0.395
6/23/2017 4:32:46 PM	12000.002	1.930	10.789	-0.393
6/23/2017 4:33:46 PM	12060.002	1.931	10.790	-0.397
6/23/2017 4:34:46 PM	12120.002	1.930	10.794	-0.394
6/23/2017 4:35:46 PM	12180.002	1.932	10.787	-0.397
6/23/2017 4:36:46 PM	12240.002	1.930	10.789	-0.393
6/23/2017 4:37:46 PM	12300.002	1.931	10.789	-0.395
6/23/2017 4:38:46 PM	12360.002	1.931	10.790	-0.396
6/23/2017 4:39:46 PM	12420.002	1.933	10.787	-0.400
6/23/2017 4:40:46 PM	12480.002	1.934	10.788	-0.402
6/23/2017 4:41:46 PM	12540.002	1.934	10.787	-0.402
6/23/2017 4:42:46 PM	12600.002	1.934	10.786	-0.402
6/23/2017 4:43:46 PM	12660.002	1.934	10.788	-0.401
6/23/2017 4:44:46 PM	12720.002	1.935	10.787	-0.405
6/23/2017 4:45:46 PM	12780.002	1.934	10.789	-0.402
6/23/2017 4:46:46 PM	12840.002	1.934	10.788	-0.403
6/23/2017 4:47:46 PM	12900.002	1.934	10.787	-0.404
6/23/2017 4:48:46 PM	12960.002	1.936	10.787	-0.406
6/23/2017 4:49:46 PM	13020.002	1.936	10.787	-0.407
6/23/2017 4:50:46 PM	13080.002	1.936	10.788	-0.408
6/23/2017 4:51:46 PM	13140.002	1.936	10.787	-0.407
6/23/2017 4:52:46 PM	13200.002	1.937	10.786	-0.410
6/23/2017 4:53:46 PM	13260.002	1.936	10.790	-0.408
6/23/2017 4:54:46 PM	13320.002	1.937	10.791	-0.409
6/23/2017 4:55:46 PM	13380.002	1.937	10.791	-0.410
6/23/2017 4:56:46 PM	13440.002	1.939	10.792	-0.414
6/23/2017 4:57:46 PM	13500.002	1.938	10.792	-0.412
6/23/2017 4:58:46 PM	13560.002	1.939	10.791	-0.414
6/23/2017 4:59:46 PM	13620.002	1.936	10.793	-0.407
6/23/2017 5:00:46 PM	13680.002	1.940	10.791	-0.416
6/23/2017 5:01:46 PM	13740.002	1.940	10.791	-0.415
6/23/2017 5:02:46 PM	13800.002	1.939	10.790	-0.415
6/23/2017 5:03:46 PM	13860.002	1.939	10.791	-0.415
6/23/2017 5:04:46 PM	13920.002	1.941	10.791	-0.418
6/23/2017 5:05:46 PM	13980.002	1.942	10.788	-0.421
6/23/2017 5:06:46 PM	14040.002	1.940	10.791	-0.417
6/23/2017 5:07:46 PM	14100.002	1.943	10.786	-0.423
6/23/2017 5:08:46 PM	14160.002	1.942	10.784	-0.421
6/23/2017 5:09:46 PM	14220.002	1.942	10.779	-0.421
6/23/2017 5:10:46 PM	14280.002	1.942	10.779	-0.421
6/23/2017 5:11:46 PM	14340.002	1.943	10.776	-0.423
6/23/2017 5:12:46 PM	14400.002	1.943	10.775	-0.423
6/23/2017 5:13:46 PM	14460.002	1.940	10.777	-0.416

6/23/2017 5:14:46 PM	14520.002	1.941	10.775	-0.419
6/23/2017 5:15:46 PM	14580.002	1.941	10.778	-0.419
6/23/2017 5:16:46 PM	14640.002	1.942	10.777	-0.420
6/23/2017 5:17:46 PM	14700.002	1.942	10.775	-0.420
6/23/2017 5:18:46 PM	14760.002	1.941	10.776	-0.419
6/23/2017 5:19:46 PM	14820.002	1.943	10.779	-0.423
6/23/2017 5:20:46 PM	14880.002	1.943	10.778	-0.424
6/23/2017 5:21:46 PM	14940.002	1.945	10.779	-0.427
6/23/2017 5:22:46 PM	15000.002	1.945	10.776	-0.427
6/23/2017 5:23:46 PM	15060.002	1.945	10.778	-0.428
6/23/2017 5:24:46 PM	15120.002	1.946	10.780	-0.429
6/23/2017 5:25:46 PM	15180.002	1.945	10.780	-0.428
6/23/2017 5:26:46 PM	15240.002	1.945	10.782	-0.429
6/23/2017 5:27:46 PM	15300.002	1.946	10.779	-0.429
6/23/2017 5:28:46 PM	15360.002	1.946	10.777	-0.429
6/23/2017 5:29:46 PM	15420.002	1.946	10.780	-0.429
6/23/2017 5:30:46 PM	15480.002	1.947	10.781	-0.433
6/23/2017 5:31:46 PM	15540.002	1.948	10.778	-0.434
6/23/2017 5:32:46 PM	15600.002	1.948	10.778	-0.436
6/23/2017 5:33:46 PM	15660.002	1.949	10.778	-0.437
6/23/2017 5:34:46 PM	15720.002	1.948	10.780	-0.434
6/23/2017 5:35:46 PM	15780.002	1.948	10.780	-0.436
6/23/2017 5:36:46 PM	15840.002	1.946	10.780	-0.430
6/23/2017 5:37:46 PM	15900.002	1.949	10.777	-0.437
6/23/2017 5:38:46 PM	15960.002	1.950	10.778	-0.439
6/23/2017 5:39:46 PM	16020.002	1.950	10.778	-0.440
6/23/2017 5:40:46 PM	16080.002	1.951	10.777	-0.441
6/23/2017 5:41:46 PM	16140.002	1.950	10.777	-0.441
6/23/2017 5:42:46 PM	16200.002	1.951	10.778	-0.441
6/23/2017 5:43:46 PM	16260.002	1.951	10.779	-0.441
6/23/2017 5:44:46 PM	16320.002	1.951	10.777	-0.441
6/23/2017 5:45:46 PM	16380.002	1.950	10.778	-0.439
6/23/2017 5:46:46 PM	16440.002	1.951	10.779	-0.442
6/23/2017 5:47:46 PM	16500.002	1.950	10.781	-0.440
6/23/2017 5:48:46 PM	16560.002	1.952	10.778	-0.444
6/23/2017 5:49:46 PM	16620.002	1.953	10.779	-0.445
6/23/2017 5:50:46 PM	16680.002	1.953	10.780	-0.445
6/23/2017 5:51:46 PM	16740.002	1.952	10.784	-0.445
6/23/2017 5:52:46 PM	16800.002	1.953	10.781	-0.446
6/23/2017 5:53:46 PM	16860.002	1.954	10.779	-0.449
6/23/2017 5:54:46 PM	16920.002	1.954	10.781	-0.448
6/23/2017 5:55:46 PM	16980.002	1.954	10.781	-0.449
6/23/2017 5:56:46 PM	17040.002	1.956	10.781	-0.453
6/23/2017 5:57:46 PM	17100.002	1.955	10.780	-0.452
6/23/2017 5:58:46 PM	17160.002	1.955	10.780	-0.451
6/23/2017 5:59:46 PM	17220.002	1.957	10.781	-0.456
6/23/2017 6:00:46 PM	17280.002	1.956	10.781	-0.454
6/23/2017 6:01:46 PM	17340.002	1.956	10.783	-0.452
6/23/2017 6:02:46 PM	17400.002	1.956	10.781	-0.454
6/23/2017 6:03:46 PM	17460.002	1.956	10.783	-0.452
6/23/2017 6:04:46 PM	17520.002	1.956	10.783	-0.454
6/23/2017 6:05:46 PM	17580.002	1.958	10.781	-0.458
6/23/2017 6:06:46 PM	17640.002	1.958	10.779	-0.459
6/23/2017 6:07:46 PM	17700.002	1.959	10.778	-0.459
6/23/2017 6:08:46 PM	17760.002	1.959	10.776	-0.460
6/23/2017 6:09:46 PM	17820.002	1.959	10.776	-0.461
6/23/2017 6:10:46 PM	17880.002	1.960	10.779	-0.463
6/23/2017 6:11:46 PM	17940.002	1.959	10.780	-0.459
6/23/2017 6:12:46 PM	18000.002	1.960	10.775	-0.463
6/23/2017 6:13:46 PM	18060.002	1.960	10.778	-0.463
6/23/2017 6:14:46 PM	18120.002	1.961	10.774	-0.465
6/23/2017 6:15:46 PM	18180.002	1.961	10.773	-0.465
6/23/2017 6:16:46 PM	18240.002	1.962	10.772	-0.466

6/23/2017 7:20:46 PM	22080.002	1.982	10.783	-0.512
6/23/2017 7:21:46 PM	22140.002	1.982	10.783	-0.513
6/23/2017 7:22:46 PM	22200.002	1.981	10.783	-0.512
6/23/2017 7:23:46 PM	22260.002	1.982	10.784	-0.514
6/23/2017 7:24:46 PM	22320.002	1.983	10.781	-0.515
6/23/2017 7:25:46 PM	22380.002	1.982	10.782	-0.514
6/23/2017 7:26:46 PM	22440.002	1.983	10.778	-0.516
6/23/2017 7:27:46 PM	22500.002	1.984	10.779	-0.517
6/23/2017 7:28:46 PM	22560.002	1.983	10.778	-0.515
6/23/2017 7:29:46 PM	22620.002	1.985	10.776	-0.520
6/23/2017 7:30:46 PM	22680.002	1.985	10.780	-0.519
6/23/2017 7:31:46 PM	22740.002	1.984	10.778	-0.518
6/23/2017 7:32:46 PM	22800.002	1.984	10.777	-0.519
6/23/2017 7:33:46 PM	22860.002	1.985	10.774	-0.521
6/23/2017 7:34:46 PM	22920.002	1.986	10.777	-0.522
6/23/2017 7:35:46 PM	22980.002	1.985	10.772	-0.520
6/23/2017 7:36:46 PM	23040.002	1.986	10.772	-0.522
6/23/2017 7:37:46 PM	23100.002	1.988	10.777	-0.526
6/23/2017 7:38:46 PM	23160.002	1.987	10.777	-0.524
6/23/2017 7:39:46 PM	23220.002	1.987	10.775	-0.525
6/23/2017 7:40:46 PM	23280.002	1.987	10.777	-0.525
6/23/2017 7:41:46 PM	23340.002	1.989	10.777	-0.529
6/23/2017 7:42:46 PM	23400.002	1.989	10.775	-0.530
6/23/2017 7:43:46 PM	23460.002	1.989	10.776	-0.529
6/23/2017 7:44:46 PM	23520.002	1.989	10.776	-0.529
6/23/2017 7:45:46 PM	23580.002	1.989	10.777	-0.528
6/23/2017 7:46:46 PM	23640.002	1.990	10.778	-0.533
6/23/2017 7:47:46 PM	23700.002	1.990	10.776	-0.533
6/23/2017 7:48:46 PM	23760.002	1.990	10.775	-0.531
6/23/2017 7:49:46 PM	23820.002	1.990	10.773	-0.532
6/23/2017 7:50:46 PM	23880.002	1.990	10.772	-0.533
6/23/2017 7:51:46 PM	23940.002	1.992	10.771	-0.536
6/23/2017 7:52:46 PM	24000.002	1.992	10.774	-0.536
6/23/2017 7:53:46 PM	24060.002	1.991	10.771	-0.534
6/23/2017 7:54:46 PM	24120.002	1.992	10.771	-0.537
6/23/2017 7:55:46 PM	24180.002	1.992	10.771	-0.537
6/23/2017 7:56:46 PM	24240.002	1.993	10.770	-0.540
6/23/2017 7:57:46 PM	24300.002	1.992	10.773	-0.537
6/23/2017 7:58:46 PM	24360.002	1.993	10.773	-0.539
6/23/2017 7:59:46 PM	24420.002	1.991	10.771	-0.535
6/23/2017 8:00:46 PM	24480.002	1.993	10.774	-0.539
6/23/2017 8:01:46 PM	24540.002	1.995	10.774	-0.544
6/23/2017 8:02:46 PM	24600.002	1.995	10.776	-0.542
6/23/2017 8:03:46 PM	24660.002	1.995	10.772	-0.544
6/23/2017 8:04:46 PM	24720.002	1.995	10.776	-0.543
6/23/2017 8:05:46 PM	24780.002	1.995	10.775	-0.545
6/23/2017 8:06:46 PM	24840.002	1.994	10.774	-0.542
6/23/2017 8:07:46 PM	24900.002	1.996	10.774	-0.547
6/23/2017 8:08:46 PM	24960.002	1.996	10.776	-0.546
6/23/2017 8:09:46 PM	25020.002	1.997	10.775	-0.549
6/23/2017 8:10:46 PM	25080.002	1.997	10.774	-0.549
6/23/2017 8:11:46 PM	25140.002	1.996	10.775	-0.546
6/23/2017 8:12:46 PM	25200.002	1.997	10.777	-0.549
6/23/2017 8:13:46 PM	25260.002	1.998	10.776	-0.549
6/23/2017 8:14:46 PM	25320.002	1.998	10.778	-0.551
6/23/2017 8:15:46 PM	25380.002	1.999	10.779	-0.554
6/23/2017 8:16:46 PM	25440.002	2.000	10.778	-0.554
6/23/2017 8:17:46 PM	25500.002	1.999	10.780	-0.552
6/23/2017 8:18:46 PM	25560.002	2.000	10.778	-0.555
6/23/2017 8:19:46 PM	25620.002	2.000	10.780	-0.555
6/23/2017 8:20:46 PM	25680.002	2.000	10.777	-0.554
6/23/2017 8:21:46 PM	25740.002	2.000	10.778	-0.556
6/23/2017 8:22:46 PM	25800.002	2.000	10.775	-0.555

6/23/2017 8:23:46 PM	25860.002	2.002	10.776	-0.558
6/23/2017 8:24:46 PM	25920.002	2.001	10.776	-0.557
6/23/2017 8:25:46 PM	25980.002	2.002	10.778	-0.559
6/23/2017 8:26:46 PM	26040.002	2.003	10.778	-0.561
6/23/2017 8:27:46 PM	26100.002	2.004	10.775	-0.563
6/23/2017 8:28:46 PM	26160.002	2.002	10.778	-0.560
6/23/2017 8:29:46 PM	26220.002	2.001	10.778	-0.558
6/23/2017 8:30:46 PM	26280.002	2.003	10.776	-0.561
6/23/2017 8:31:46 PM	26340.002	2.004	10.778	-0.563
6/23/2017 8:32:46 PM	26400.002	2.003	10.778	-0.563
6/23/2017 8:33:46 PM	26460.002	2.005	10.780	-0.565
6/23/2017 8:34:46 PM	26520.002	2.002	10.783	-0.561
6/23/2017 8:35:46 PM	26580.002	2.005	10.780	-0.566
6/23/2017 8:36:46 PM	26640.002	2.006	10.782	-0.568
6/23/2017 8:37:46 PM	26700.002	2.006	10.784	-0.568
6/23/2017 8:38:46 PM	26760.002	2.006	10.783	-0.569
6/23/2017 8:39:46 PM	26820.002	2.006	10.786	-0.569
6/23/2017 8:40:46 PM	26880.002	2.006	10.785	-0.568
6/23/2017 8:41:46 PM	26940.002	2.006	10.781	-0.569
6/23/2017 8:42:46 PM	27000.002	2.006	10.782	-0.570
6/23/2017 8:43:46 PM	27060.002	2.007	10.783	-0.570
6/23/2017 8:44:46 PM	27120.002	2.008	10.786	-0.572
6/23/2017 8:45:46 PM	27180.002	2.007	10.786	-0.571
6/23/2017 8:46:46 PM	27240.002	2.008	10.781	-0.574
6/23/2017 8:47:46 PM	27300.002	2.009	10.783	-0.576
6/23/2017 8:48:46 PM	27360.002	2.009	10.780	-0.575
6/23/2017 8:49:46 PM	27420.002	2.009	10.784	-0.575
6/23/2017 8:50:46 PM	27480.002	2.009	10.783	-0.576
6/23/2017 8:51:46 PM	27540.002	2.009	10.782	-0.576
6/23/2017 8:52:46 PM	27600.002	2.011	10.783	-0.580
6/23/2017 8:53:46 PM	27660.002	2.009	10.786	-0.576
6/23/2017 8:54:46 PM	27720.002	2.008	10.782	-0.574
6/23/2017 8:55:46 PM	27780.002	2.010	10.782	-0.579
6/23/2017 8:56:46 PM	27840.002	2.011	10.783	-0.581
6/23/2017 8:57:46 PM	27900.002	2.012	10.781	-0.582
6/23/2017 8:58:46 PM	27960.002	2.010	10.780	-0.578
6/23/2017 8:59:46 PM	28020.002	2.012	10.782	-0.583
6/23/2017 9:00:46 PM	28080.002	2.013	10.781	-0.584
6/23/2017 9:01:46 PM	28140.002	2.013	10.779	-0.585
6/23/2017 9:02:46 PM	28200.002	2.012	10.778	-0.583
6/23/2017 9:03:46 PM	28260.002	2.013	10.779	-0.585
6/23/2017 9:04:46 PM	28320.002	2.013	10.777	-0.585
6/23/2017 9:05:46 PM	28380.002	2.012	10.773	-0.583
6/23/2017 9:06:46 PM	28440.002	2.014	10.772	-0.588
6/23/2017 9:07:46 PM	28500.002	2.014	10.773	-0.588
6/23/2017 9:08:46 PM	28560.002	2.015	10.772	-0.589
6/23/2017 9:09:46 PM	28620.002	2.014	10.770	-0.587
6/23/2017 9:10:46 PM	28680.002	2.015	10.769	-0.591
6/23/2017 9:11:46 PM	28740.002	2.015	10.766	-0.590
6/23/2017 9:12:46 PM	28800.002	2.015	10.769	-0.590
6/23/2017 9:13:46 PM	28860.002	2.015	10.768	-0.590
6/23/2017 9:14:46 PM	28920.002	2.016	10.768	-0.591
6/23/2017 9:15:46 PM	28980.002	2.017	10.770	-0.595
6/23/2017 9:16:46 PM	29040.002	2.016	10.770	-0.591
6/23/2017 9:17:46 PM	29100.002	2.016	10.772	-0.593
6/23/2017 9:18:46 PM	29160.002	2.017	10.773	-0.595
6/23/2017 9:19:46 PM	29220.002	2.017	10.774	-0.595
6/23/2017 9:20:46 PM	29280.002	2.018	10.780	-0.598
6/23/2017 9:21:46 PM	29340.002	2.017	10.781	-0.594
6/23/2017 9:22:46 PM	29400.002	2.019	10.784	-0.599
6/23/2017 9:23:46 PM	29460.002	2.019	10.785	-0.598
6/23/2017 9:24:46 PM	29520.002	2.021	10.785	-0.602
6/23/2017 9:25:46 PM	29580.002	2.020	10.785	-0.602

6/23/2017 9:26:46 PM	29640.002	2.020	10.786	-0.601
6/23/2017 9:27:46 PM	29700.002	2.021	10.786	-0.602
6/23/2017 9:28:46 PM	29760.002	2.020	10.789	-0.602
6/23/2017 9:29:46 PM	29820.002	2.020	10.787	-0.601
6/23/2017 9:30:46 PM	29880.002	2.021	10.789	-0.604
6/23/2017 9:31:46 PM	29940.002	2.021	10.788	-0.603
6/23/2017 9:32:46 PM	30000.002	2.020	10.787	-0.602
6/23/2017 9:33:46 PM	30060.002	2.021	10.792	-0.603
6/23/2017 9:34:46 PM	30120.002	2.020	10.792	-0.602
6/23/2017 9:35:46 PM	30180.002	2.023	10.793	-0.608
6/23/2017 9:36:46 PM	30240.002	2.023	10.796	-0.608
6/23/2017 9:37:46 PM	30300.002	2.022	10.793	-0.605
6/23/2017 9:38:46 PM	30360.002	2.023	10.795	-0.608
6/23/2017 9:39:46 PM	30420.002	2.024	10.794	-0.611
6/23/2017 9:40:46 PM	30480.002	2.025	10.795	-0.613
6/23/2017 9:41:46 PM	30540.002	2.025	10.792	-0.612
6/23/2017 9:42:46 PM	30600.002	2.024	10.790	-0.611
6/23/2017 9:43:46 PM	30660.002	2.024	10.791	-0.611
6/23/2017 9:44:46 PM	30720.002	2.025	10.789	-0.612
6/23/2017 9:45:46 PM	30780.002	2.024	10.787	-0.610
6/23/2017 9:46:46 PM	30840.002	2.024	10.787	-0.610
6/23/2017 9:47:46 PM	30900.002	2.025	10.787	-0.612
6/23/2017 9:48:46 PM	30960.002	2.024	10.784	-0.611
6/23/2017 9:49:46 PM	31020.002	2.025	10.784	-0.613
6/23/2017 9:50:46 PM	31080.002	2.027	10.785	-0.617
6/23/2017 9:51:46 PM	31140.002	2.027	10.784	-0.617
6/23/2017 9:52:46 PM	31200.002	2.026	10.783	-0.615
6/23/2017 9:53:46 PM	31260.002	2.029	10.782	-0.621
6/23/2017 9:54:46 PM	31320.002	2.027	10.781	-0.618
6/23/2017 9:55:46 PM	31380.002	2.028	10.781	-0.621
6/23/2017 9:56:46 PM	31440.002	2.029	10.783	-0.622
6/23/2017 9:57:46 PM	31500.002	2.029	10.780	-0.623
6/23/2017 9:58:46 PM	31560.002	2.028	10.784	-0.620
6/23/2017 9:59:46 PM	31620.002	2.029	10.781	-0.623
6/23/2017 10:00:46 PM	31680.002	2.030	10.782	-0.625
6/23/2017 10:01:46 PM	31740.002	2.031	10.780	-0.625
6/23/2017 10:02:46 PM	31800.002	2.029	10.781	-0.623
6/23/2017 10:03:46 PM	31860.002	2.031	10.780	-0.625
6/23/2017 10:04:46 PM	31920.002	2.030	10.781	-0.625
6/23/2017 10:05:46 PM	31980.002	2.033	10.776	-0.630
6/23/2017 10:06:46 PM	32040.002	2.031	10.775	-0.627
6/23/2017 10:07:46 PM	32100.002	2.032	10.776	-0.629
6/23/2017 10:08:46 PM	32160.002	2.032	10.778	-0.629
6/23/2017 10:09:46 PM	32220.002	2.033	10.780	-0.630
6/23/2017 10:10:46 PM	32280.002	2.032	10.783	-0.630
6/23/2017 10:11:46 PM	32340.002	2.031	10.782	-0.627
6/23/2017 10:12:46 PM	32400.002	2.034	10.781	-0.633
6/23/2017 10:13:46 PM	32460.002	2.034	10.781	-0.633
6/23/2017 10:14:46 PM	32520.002	2.034	10.783	-0.635
6/23/2017 10:15:46 PM	32580.002	2.035	10.784	-0.636
6/23/2017 10:16:46 PM	32640.002	2.034	10.780	-0.634
6/23/2017 10:17:46 PM	32700.002	2.035	10.783	-0.635
6/23/2017 10:18:46 PM	32760.002	2.036	10.780	-0.637
6/23/2017 10:19:46 PM	32820.002	2.035	10.779	-0.637
6/23/2017 10:20:46 PM	32880.002	2.035	10.779	-0.636
6/23/2017 10:21:46 PM	32940.002	2.036	10.778	-0.638
6/23/2017 10:22:46 PM	33000.002	2.036	10.781	-0.639
6/23/2017 10:23:46 PM	33060.002	2.036	10.779	-0.639
6/23/2017 10:24:46 PM	33120.002	2.037	10.780	-0.640
6/23/2017 10:25:46 PM	33180.002	2.037	10.780	-0.641
6/23/2017 10:26:46 PM	33240.002	2.037	10.779	-0.640
6/23/2017 10:27:46 PM	33300.002	2.037	10.780	-0.640
6/23/2017 10:28:46 PM	33360.002	2.038	10.778	-0.642

6/23/2017 10:29:46 PM	33420.002	2.038	10.780	-0.644
6/23/2017 10:30:46 PM	33480.002	2.039	10.777	-0.645
6/23/2017 10:31:46 PM	33540.002	2.040	10.778	-0.647
6/23/2017 10:32:46 PM	33600.002	2.040	10.778	-0.647
6/23/2017 10:33:46 PM	33660.002	2.040	10.776	-0.648
6/23/2017 10:34:46 PM	33720.002	2.039	10.777	-0.645
6/23/2017 10:35:46 PM	33780.002	2.040	10.777	-0.647
6/23/2017 10:36:46 PM	33840.002	2.040	10.773	-0.648
6/23/2017 10:37:46 PM	33900.002	2.039	10.774	-0.646
6/23/2017 10:38:46 PM	33960.002	2.042	10.773	-0.652
6/23/2017 10:39:46 PM	34020.002	2.041	10.774	-0.650
6/23/2017 10:40:46 PM	34080.002	2.042	10.774	-0.652
6/23/2017 10:41:46 PM	34140.002	2.042	10.772	-0.652
6/23/2017 10:42:46 PM	34200.002	2.041	10.773	-0.649
6/23/2017 10:43:46 PM	34260.002	2.041	10.772	-0.650
6/23/2017 10:44:46 PM	34320.002	2.044	10.775	-0.656
6/23/2017 10:45:46 PM	34380.002	2.044	10.774	-0.656
6/23/2017 10:46:46 PM	34440.002	2.044	10.775	-0.656
6/23/2017 10:47:46 PM	34500.002	2.044	10.772	-0.656
6/23/2017 10:48:46 PM	34560.002	2.044	10.772	-0.656
6/23/2017 10:49:46 PM	34620.002	2.043	10.775	-0.654
6/23/2017 10:50:46 PM	34680.002	2.045	10.776	-0.659
6/23/2017 10:51:46 PM	34740.002	2.044	10.773	-0.656
6/23/2017 10:52:46 PM	34800.002	2.046	10.773	-0.660
6/23/2017 10:53:46 PM	34860.002	2.046	10.773	-0.661
6/23/2017 10:54:46 PM	34920.002	2.047	10.773	-0.663
6/23/2017 10:55:46 PM	34980.002	2.047	10.773	-0.664
6/23/2017 10:56:46 PM	35040.002	2.045	10.776	-0.659
6/23/2017 10:57:46 PM	35100.002	2.044	10.777	-0.658
6/23/2017 10:58:46 PM	35160.002	2.048	10.777	-0.665
6/23/2017 10:59:46 PM	35220.002	2.046	10.775	-0.661
6/23/2017 11:00:46 PM	35280.002	2.048	10.779	-0.665
6/23/2017 11:01:46 PM	35340.002	2.049	10.778	-0.668
6/23/2017 11:02:46 PM	35400.002	2.046	10.774	-0.662
6/23/2017 11:03:46 PM	35460.002	2.048	10.775	-0.665
6/23/2017 11:04:46 PM	35520.002	2.049	10.773	-0.668
6/23/2017 11:05:46 PM	35580.002	2.049	10.774	-0.669
6/23/2017 11:06:46 PM	35640.002	2.048	10.775	-0.666
6/23/2017 11:07:46 PM	35700.002	2.049	10.774	-0.668
6/23/2017 11:08:46 PM	35760.002	2.048	10.774	-0.665
6/23/2017 11:09:46 PM	35820.002	2.050	10.773	-0.670
6/23/2017 11:10:46 PM	35880.002	2.050	10.772	-0.671
6/23/2017 11:11:46 PM	35940.002	2.051	10.772	-0.672
6/23/2017 11:12:46 PM	36000.002	2.051	10.771	-0.672
6/23/2017 11:13:46 PM	36060.002	2.052	10.773	-0.674
6/23/2017 11:14:46 PM	36120.002	2.051	10.773	-0.672
6/23/2017 11:15:46 PM	36180.002	2.051	10.772	-0.673
6/23/2017 11:16:46 PM	36240.002	2.051	10.769	-0.673
6/23/2017 11:17:46 PM	36300.002	2.051	10.773	-0.673

Report Date: 7/10/2017 9:13:57 AM
Report User Name: dalmond
Report Computer Name: PINEWRKMA25-PC
Application: WinSitu.exe
Application Version: 5.6.25.0

Log File Properties:
File Name: CH MW-019 FH2_2017-07-10_09-13-47-349.wsl
Create Date: 7/10/2017 9:12:36 AM

Device Properties:
Device: Level TROLL 700
Site: Camp Hero
Device Name:
Serial Number: 169305
Firmware Version: 2.09
Hardware Version: 3
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 31
Used Battery(%): 41

Log Configuration
Log Name: CH MW-019 FH2
Created By: Unknown
Computer Name: Pocket PC
Application: WinSituMobile.exe
Application Version: 5.6.0.10
Create Date: 3/8/2006 12:00:43 PM Eastern Standard Time
Log Setup Time Zone: Eastern Standard Time
Notes Size(bytes): 4096
Overwrite when full: Disabled
Scheduled Start Time: Manual Start
Scheduled Stop Time: No Stop Time
Type: Step Test
Steps: 2 (Linear)
Step: 1
Duration: Days: 0 hrs: 00 mins: 05 secs: 00
Interval: Days: 0 hrs: 00 mins: 00 secs: 01
Step: 2
Duration: Days: 0 hrs: 17 mins: 00 secs: 00
Interval: Days: 0 hrs: 00 mins: 01 secs: 00

Level Reference Settings At Log Creation
Level Measurement Mode: Level Depth To Water
Specific Gravity: 0.999
Level Reference Mode: Set new reference
Level Reference Value: 0 (ft)
Level Reference Head Pressure: 2.97624 (PSI)

Other Log Settings
Depth of Probe: 6.87123 (ft)
Head Pressure: 2.97589 (PSI)
Temperature: 10.9153 (C)

Log Notes:

Date and Time	Note
6/26/2017 5:37:16 PM	Used Battery: 41% Used Memory: 32% User Name: Unknown
6/26/2017 5:48:29 PM	Manual Start Command
6/27/2017 9:19:12 AM	Used Battery: 41% Used Memory: 32% User Name: Unknown
6/27/2017 9:19:12 AM	Manual Stop Command

Log Data:
Record Count: 1226
Sensors: 1
1 - 169305: Pressure/Temp 30 PSIG (21m/69ft)
Time Zone: Eastern Daylight Time

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 69ft SN#: 169305 Pressure (PSI)	Sensor: Pres(G) 69ft SN#: 169305 Temperature (C)	Sensor: Pres(G) 69ft SN#: 169305 Level Depth To Water (ft)
6/26/2017 5:48:29 PM	0.000	2.994	10.808	-0.040
6/26/2017 5:48:30 PM	1.000	2.991	10.815	-0.035
6/26/2017 5:48:31 PM	2.000	2.988	10.819	-0.027
6/26/2017 5:48:32 PM	3.000	3.952	10.819	-2.252
6/26/2017 5:48:33 PM	4.000	3.518	10.821	-1.251
6/26/2017 5:48:34 PM	5.000	3.474	10.821	-1.149
6/26/2017 5:48:35 PM	6.000	3.143	10.825	-0.386
6/26/2017 5:48:36 PM	7.000	3.401	10.825	-0.982
6/26/2017 5:48:37 PM	8.000	3.270	10.827	-0.679
6/26/2017 5:48:38 PM	9.000	3.318	10.824	-0.788
6/26/2017 5:48:39 PM	10.000	3.301	10.829	-0.751
6/26/2017 5:48:40 PM	11.000	3.300	10.827	-0.747
6/26/2017 5:48:41 PM	12.000	3.301	10.832	-0.750
6/26/2017 5:48:42 PM	13.000	3.300	10.831	-0.748
6/26/2017 5:48:43 PM	14.000	3.299	10.833	-0.746
6/26/2017 5:48:44 PM	15.000	3.299	10.833	-0.745
6/26/2017 5:48:45 PM	16.000	3.299	10.831	-0.744
6/26/2017 5:48:46 PM	17.000	3.297	10.834	-0.741
6/26/2017 5:48:47 PM	18.000	3.297	10.832	-0.740
6/26/2017 5:48:48 PM	19.000	3.296	10.832	-0.739
6/26/2017 5:48:49 PM	20.000	3.298	10.825	-0.742
6/26/2017 5:48:50 PM	21.000	3.298	10.835	-0.744
6/26/2017 5:48:51 PM	22.000	3.292	10.835	-0.728
6/26/2017 5:48:52 PM	23.000	3.301	10.837	-0.749
6/26/2017 5:48:53 PM	24.000	3.296	10.836	-0.737
6/26/2017 5:48:54 PM	25.000	3.296	10.837	-0.739
6/26/2017 5:48:55 PM	26.000	3.297	10.839	-0.740
6/26/2017 5:48:56 PM	27.000	3.295	10.839	-0.736
6/26/2017 5:48:57 PM	28.000	3.296	10.837	-0.738
6/26/2017 5:48:58 PM	29.000	3.295	10.841	-0.737
6/26/2017 5:48:59 PM	30.000	3.295	10.837	-0.736
6/26/2017 5:49:00 PM	31.000	3.295	10.842	-0.737
6/26/2017 5:49:01 PM	32.000	3.297	10.841	-0.741
6/26/2017 5:49:02 PM	33.000	3.296	10.842	-0.738
6/26/2017 5:49:03 PM	34.000	3.295	10.841	-0.737
6/26/2017 5:49:04 PM	35.000	3.296	10.843	-0.737
6/26/2017 5:49:05 PM	36.000	3.294	10.842	-0.735
6/26/2017 5:49:06 PM	37.000	3.295	10.844	-0.735
6/26/2017 5:49:07 PM	38.000	3.293	10.845	-0.730
6/26/2017 5:49:08 PM	39.000	3.295	10.845	-0.736
6/26/2017 5:49:09 PM	40.000	3.294	10.846	-0.734
6/26/2017 5:49:10 PM	41.000	3.293	10.844	-0.732
6/26/2017 5:49:11 PM	42.000	3.293	10.844	-0.732
6/26/2017 5:49:12 PM	43.000	3.294	10.843	-0.735

6/26/2017 5:49:13 PM	44.000	3.294	10.847	-0.734
6/26/2017 5:49:14 PM	45.000	3.295	10.848	-0.736
6/26/2017 5:49:15 PM	46.000	3.295	10.844	-0.737
6/26/2017 5:49:16 PM	47.000	3.295	10.848	-0.736
6/26/2017 5:49:17 PM	48.000	3.294	10.846	-0.733
6/26/2017 5:49:18 PM	49.000	3.295	10.847	-0.735
6/26/2017 5:49:19 PM	50.000	3.295	10.847	-0.736
6/26/2017 5:49:20 PM	51.000	3.294	10.848	-0.735
6/26/2017 5:49:21 PM	52.000	3.296	10.851	-0.737
6/26/2017 5:49:22 PM	53.000	3.294	10.849	-0.733
6/26/2017 5:49:23 PM	54.000	3.293	10.851	-0.731
6/26/2017 5:49:24 PM	55.000	3.293	10.850	-0.731
6/26/2017 5:49:25 PM	56.000	3.294	10.852	-0.734
6/26/2017 5:49:26 PM	57.000	3.293	10.850	-0.731
6/26/2017 5:49:27 PM	58.000	3.295	10.851	-0.736
6/26/2017 5:49:28 PM	59.000	3.294	10.851	-0.734
6/26/2017 5:49:29 PM	60.000	3.294	10.849	-0.735
6/26/2017 5:49:30 PM	61.000	3.297	10.851	-0.740
6/26/2017 5:49:31 PM	62.000	3.294	10.852	-0.734
6/26/2017 5:49:32 PM	63.000	3.294	10.850	-0.734
6/26/2017 5:49:33 PM	64.000	3.293	10.851	-0.731
6/26/2017 5:49:34 PM	65.000	3.293	10.854	-0.732
6/26/2017 5:49:35 PM	66.000	3.293	10.852	-0.732
6/26/2017 5:49:36 PM	67.000	3.292	10.851	-0.730
6/26/2017 5:49:37 PM	68.000	3.295	10.849	-0.735
6/26/2017 5:49:38 PM	69.000	3.293	10.855	-0.730
6/26/2017 5:49:39 PM	70.000	3.293	10.854	-0.732
6/26/2017 5:49:40 PM	71.000	3.295	10.853	-0.735
6/26/2017 5:49:41 PM	72.000	3.295	10.853	-0.736
6/26/2017 5:49:42 PM	73.000	3.293	10.855	-0.730
6/26/2017 5:49:43 PM	74.000	3.294	10.857	-0.735
6/26/2017 5:49:44 PM	75.000	3.295	10.856	-0.735
6/26/2017 5:49:45 PM	76.000	3.293	10.856	-0.732
6/26/2017 5:49:46 PM	77.000	3.295	10.856	-0.736
6/26/2017 5:49:47 PM	78.000	3.293	10.854	-0.732
6/26/2017 5:49:48 PM	79.000	3.293	10.855	-0.731
6/26/2017 5:49:49 PM	80.000	3.293	10.858	-0.732
6/26/2017 5:49:50 PM	81.000	3.292	10.855	-0.730
6/26/2017 5:49:51 PM	82.000	3.293	10.855	-0.732
6/26/2017 5:49:52 PM	83.000	3.294	10.855	-0.733
6/26/2017 5:49:53 PM	84.000	3.295	10.856	-0.735
6/26/2017 5:49:54 PM	85.000	3.293	10.856	-0.731
6/26/2017 5:49:55 PM	86.000	3.295	10.859	-0.736
6/26/2017 5:49:56 PM	87.000	3.294	10.858	-0.733
6/26/2017 5:49:57 PM	88.000	3.293	10.858	-0.731
6/26/2017 5:49:58 PM	89.000	3.292	10.858	-0.730
6/26/2017 5:49:59 PM	90.000	3.287	10.859	-0.717
6/26/2017 5:50:00 PM	91.000	3.295	10.856	-0.736
6/26/2017 5:50:01 PM	92.000	3.304	10.860	-0.758
6/26/2017 5:50:02 PM	93.000	3.293	10.858	-0.731
6/26/2017 5:50:03 PM	94.000	3.294	10.859	-0.734
6/26/2017 5:50:04 PM	95.000	3.291	10.860	-0.727
6/26/2017 5:50:05 PM	96.000	3.292	10.860	-0.728
6/26/2017 5:50:06 PM	97.000	3.292	10.859	-0.728
6/26/2017 5:50:07 PM	98.000	3.294	10.860	-0.734
6/26/2017 5:50:08 PM	99.000	3.293	10.860	-0.732
6/26/2017 5:50:09 PM	100.000	3.291	10.860	-0.727
6/26/2017 5:50:10 PM	101.000	3.290	10.862	-0.725
6/26/2017 5:50:11 PM	102.000	3.292	10.861	-0.730
6/26/2017 5:50:12 PM	103.000	3.294	10.861	-0.733
6/26/2017 5:50:13 PM	104.000	3.292	10.860	-0.730
6/26/2017 5:50:14 PM	105.000	3.291	10.862	-0.727
6/26/2017 5:50:15 PM	106.000	3.291	10.862	-0.726

6/26/2017 5:50:16 PM	107.000	3.290	10.863	-0.725
6/26/2017 5:50:17 PM	108.000	3.292	10.863	-0.728
6/26/2017 5:50:18 PM	109.000	3.292	10.863	-0.729
6/26/2017 5:50:19 PM	110.000	3.291	10.862	-0.728
6/26/2017 5:50:20 PM	111.000	3.293	10.861	-0.732
6/26/2017 5:50:21 PM	112.000	3.289	10.863	-0.723
6/26/2017 5:50:22 PM	113.000	3.292	10.864	-0.730
6/26/2017 5:50:23 PM	114.000	3.292	10.864	-0.729
6/26/2017 5:50:24 PM	115.000	3.291	10.864	-0.727
6/26/2017 5:50:25 PM	116.000	3.292	10.864	-0.730
6/26/2017 5:50:26 PM	117.000	3.293	10.861	-0.730
6/26/2017 5:50:27 PM	118.000	3.292	10.862	-0.728
6/26/2017 5:50:28 PM	119.000	3.292	10.866	-0.729
6/26/2017 5:50:29 PM	120.000	3.291	10.864	-0.727
6/26/2017 5:50:30 PM	121.000	3.292	10.865	-0.729
6/26/2017 5:50:31 PM	122.000	3.292	10.866	-0.729
6/26/2017 5:50:32 PM	123.000	3.294	10.866	-0.733
6/26/2017 5:50:33 PM	124.000	3.292	10.863	-0.730
6/26/2017 5:50:34 PM	125.000	3.292	10.863	-0.728
6/26/2017 5:50:35 PM	126.000	3.292	10.864	-0.729
6/26/2017 5:50:36 PM	127.000	3.292	10.863	-0.730
6/26/2017 5:50:37 PM	128.000	3.292	10.865	-0.729
6/26/2017 5:50:38 PM	129.000	3.292	10.866	-0.730
6/26/2017 5:50:39 PM	130.000	3.291	10.865	-0.726
6/26/2017 5:50:40 PM	131.000	3.293	10.863	-0.732
6/26/2017 5:50:41 PM	132.000	3.292	10.865	-0.728
6/26/2017 5:50:42 PM	133.000	3.291	10.862	-0.727
6/26/2017 5:50:43 PM	134.000	3.292	10.865	-0.730
6/26/2017 5:50:44 PM	135.000	3.290	10.864	-0.725
6/26/2017 5:50:45 PM	136.000	3.290	10.866	-0.724
6/26/2017 5:50:46 PM	137.000	3.291	10.867	-0.726
6/26/2017 5:50:47 PM	138.000	3.292	10.865	-0.730
6/26/2017 5:50:48 PM	139.000	3.291	10.864	-0.726
6/26/2017 5:50:49 PM	140.000	3.290	10.864	-0.726
6/26/2017 5:50:50 PM	141.000	3.291	10.868	-0.727
6/26/2017 5:50:51 PM	142.000	3.293	10.865	-0.731
6/26/2017 5:50:52 PM	143.000	3.293	10.868	-0.732
6/26/2017 5:50:53 PM	144.000	3.292	10.866	-0.729
6/26/2017 5:50:54 PM	145.000	3.291	10.865	-0.728
6/26/2017 5:50:55 PM	146.000	3.292	10.867	-0.728
6/26/2017 5:50:56 PM	147.000	3.291	10.866	-0.727
6/26/2017 5:50:57 PM	148.000	3.291	10.866	-0.726
6/26/2017 5:50:58 PM	149.000	3.291	10.868	-0.727
6/26/2017 5:50:59 PM	150.000	3.291	10.865	-0.727
6/26/2017 5:51:00 PM	151.000	3.292	10.867	-0.730
6/26/2017 5:51:01 PM	152.000	3.292	10.867	-0.729
6/26/2017 5:51:02 PM	153.000	3.290	10.865	-0.725
6/26/2017 5:51:03 PM	154.000	3.292	10.868	-0.730
6/26/2017 5:51:04 PM	155.000	3.289	10.867	-0.723
6/26/2017 5:51:05 PM	156.000	3.291	10.866	-0.726
6/26/2017 5:51:06 PM	157.000	3.291	10.870	-0.726
6/26/2017 5:51:07 PM	158.000	3.291	10.866	-0.727
6/26/2017 5:51:08 PM	159.000	3.291	10.865	-0.726
6/26/2017 5:51:09 PM	160.000	3.291	10.868	-0.726
6/26/2017 5:51:10 PM	161.000	3.292	10.868	-0.728
6/26/2017 5:51:11 PM	162.000	3.292	10.867	-0.730
6/26/2017 5:51:12 PM	163.000	3.292	10.871	-0.728
6/26/2017 5:51:13 PM	164.000	3.292	10.869	-0.730
6/26/2017 5:51:14 PM	165.000	3.292	10.869	-0.729
6/26/2017 5:51:15 PM	166.000	3.292	10.868	-0.728
6/26/2017 5:51:16 PM	167.000	3.291	10.869	-0.727
6/26/2017 5:51:17 PM	168.000	3.292	10.869	-0.729
6/26/2017 5:51:18 PM	169.000	3.292	10.868	-0.729

6/26/2017 5:51:19 PM	170.000	3.293	10.871	-0.731
6/26/2017 5:51:20 PM	171.000	3.291	10.869	-0.728
6/26/2017 5:51:21 PM	172.000	3.290	10.868	-0.724
6/26/2017 5:51:22 PM	173.000	3.291	10.871	-0.727
6/26/2017 5:51:23 PM	174.000	3.290	10.869	-0.723
6/26/2017 5:51:24 PM	175.000	3.292	10.872	-0.728
6/26/2017 5:51:25 PM	176.000	3.292	10.869	-0.728
6/26/2017 5:51:26 PM	177.000	3.293	10.869	-0.732
6/26/2017 5:51:27 PM	178.000	3.290	10.869	-0.724
6/26/2017 5:51:28 PM	179.000	3.290	10.871	-0.726
6/26/2017 5:51:29 PM	180.000	3.293	10.869	-0.731
6/26/2017 5:51:30 PM	181.000	3.292	10.870	-0.728
6/26/2017 5:51:31 PM	182.000	3.291	10.870	-0.727
6/26/2017 5:51:32 PM	183.000	3.293	10.873	-0.730
6/26/2017 5:51:33 PM	184.000	3.291	10.872	-0.726
6/26/2017 5:51:34 PM	185.000	3.293	10.868	-0.731
6/26/2017 5:51:35 PM	186.000	3.292	10.874	-0.729
6/26/2017 5:51:36 PM	187.000	3.292	10.873	-0.728
6/26/2017 5:51:37 PM	188.000	3.291	10.869	-0.727
6/26/2017 5:51:38 PM	189.000	3.291	10.871	-0.726
6/26/2017 5:51:39 PM	190.000	3.291	10.869	-0.728
6/26/2017 5:51:40 PM	191.000	3.291	10.870	-0.727
6/26/2017 5:51:41 PM	192.000	3.291	10.871	-0.728
6/26/2017 5:51:42 PM	193.000	3.292	10.872	-0.728
6/26/2017 5:51:43 PM	194.000	3.291	10.873	-0.727
6/26/2017 5:51:44 PM	195.000	3.291	10.871	-0.727
6/26/2017 5:51:45 PM	196.000	3.290	10.872	-0.724
6/26/2017 5:51:46 PM	197.000	3.291	10.871	-0.727
6/26/2017 5:51:47 PM	198.000	3.292	10.871	-0.729
6/26/2017 5:51:48 PM	199.000	3.291	10.871	-0.727
6/26/2017 5:51:49 PM	200.000	3.290	10.871	-0.725
6/26/2017 5:51:50 PM	201.000	3.291	10.873	-0.726
6/26/2017 5:51:51 PM	202.000	3.291	10.872	-0.726
6/26/2017 5:51:52 PM	203.000	3.291	10.873	-0.726
6/26/2017 5:51:53 PM	204.000	3.290	10.872	-0.725
6/26/2017 5:51:54 PM	205.000	3.291	10.873	-0.727
6/26/2017 5:51:55 PM	206.000	3.291	10.871	-0.728
6/26/2017 5:51:56 PM	207.000	3.290	10.871	-0.725
6/26/2017 5:51:57 PM	208.000	3.290	10.873	-0.724
6/26/2017 5:51:58 PM	209.000	3.291	10.874	-0.727
6/26/2017 5:51:59 PM	210.000	3.292	10.872	-0.729
6/26/2017 5:52:00 PM	211.000	3.292	10.872	-0.729
6/26/2017 5:52:01 PM	212.000	3.289	10.875	-0.721
6/26/2017 5:52:02 PM	213.000	3.291	10.874	-0.726
6/26/2017 5:52:03 PM	214.000	3.291	10.873	-0.727
6/26/2017 5:52:04 PM	215.000	3.291	10.871	-0.728
6/26/2017 5:52:05 PM	216.000	3.292	10.872	-0.729
6/26/2017 5:52:06 PM	217.000	3.291	10.872	-0.728
6/26/2017 5:52:07 PM	218.000	3.293	10.876	-0.731
6/26/2017 5:52:08 PM	219.000	3.291	10.873	-0.727
6/26/2017 5:52:09 PM	220.000	3.292	10.873	-0.730
6/26/2017 5:52:10 PM	221.000	3.291	10.873	-0.726
6/26/2017 5:52:11 PM	222.000	3.290	10.873	-0.724
6/26/2017 5:52:12 PM	223.000	3.291	10.875	-0.727
6/26/2017 5:52:13 PM	224.000	3.291	10.875	-0.728
6/26/2017 5:52:14 PM	225.000	3.291	10.874	-0.727
6/26/2017 5:52:15 PM	226.000	3.293	10.873	-0.731
6/26/2017 5:52:16 PM	227.000	3.291	10.873	-0.727
6/26/2017 5:52:17 PM	228.000	3.293	10.873	-0.731
6/26/2017 5:52:18 PM	229.000	3.292	10.873	-0.730
6/26/2017 5:52:19 PM	230.000	3.291	10.876	-0.728
6/26/2017 5:52:20 PM	231.000	3.292	10.874	-0.729
6/26/2017 5:52:21 PM	232.000	3.292	10.871	-0.728

6/26/2017 5:52:22 PM	233.000	3.290	10.875	-0.724
6/26/2017 5:52:23 PM	234.000	3.291	10.874	-0.727
6/26/2017 5:52:24 PM	235.000	3.291	10.876	-0.726
6/26/2017 5:52:25 PM	236.000	3.292	10.875	-0.728
6/26/2017 5:52:26 PM	237.000	3.291	10.875	-0.728
6/26/2017 5:52:27 PM	238.000	3.292	10.876	-0.729
6/26/2017 5:52:28 PM	239.000	3.291	10.875	-0.726
6/26/2017 5:52:29 PM	240.000	3.292	10.875	-0.729
6/26/2017 5:52:30 PM	241.000	3.292	10.873	-0.729
6/26/2017 5:52:31 PM	242.000	3.291	10.874	-0.726
6/26/2017 5:52:32 PM	243.000	3.291	10.873	-0.728
6/26/2017 5:52:33 PM	244.000	3.289	10.873	-0.723
6/26/2017 5:52:34 PM	245.000	3.291	10.874	-0.727
6/26/2017 5:52:35 PM	246.000	3.292	10.874	-0.729
6/26/2017 5:52:36 PM	247.000	3.291	10.875	-0.726
6/26/2017 5:52:37 PM	248.000	3.291	10.877	-0.727
6/26/2017 5:52:38 PM	249.000	3.291	10.874	-0.726
6/26/2017 5:52:39 PM	250.000	3.292	10.873	-0.729
6/26/2017 5:52:40 PM	251.000	3.291	10.874	-0.727
6/26/2017 5:52:41 PM	252.000	3.290	10.873	-0.724
6/26/2017 5:52:42 PM	253.000	3.293	10.876	-0.731
6/26/2017 5:52:43 PM	254.000	3.292	10.879	-0.728
6/26/2017 5:52:44 PM	255.000	3.291	10.876	-0.727
6/26/2017 5:52:45 PM	256.000	3.291	10.878	-0.727
6/26/2017 5:52:46 PM	257.000	3.292	10.877	-0.729
6/26/2017 5:52:47 PM	258.000	3.292	10.875	-0.730
6/26/2017 5:52:48 PM	259.000	3.290	10.878	-0.725
6/26/2017 5:52:49 PM	260.000	3.292	10.878	-0.729
6/26/2017 5:52:50 PM	261.000	3.291	10.876	-0.727
6/26/2017 5:52:51 PM	262.000	3.292	10.877	-0.729
6/26/2017 5:52:52 PM	263.000	3.292	10.875	-0.729
6/26/2017 5:52:53 PM	264.000	3.292	10.876	-0.728
6/26/2017 5:52:54 PM	265.000	3.290	10.875	-0.726
6/26/2017 5:52:55 PM	266.000	3.291	10.878	-0.726
6/26/2017 5:52:56 PM	267.000	3.290	10.879	-0.726
6/26/2017 5:52:57 PM	268.000	3.290	10.879	-0.724
6/26/2017 5:52:58 PM	269.000	3.291	10.876	-0.726
6/26/2017 5:52:59 PM	270.000	3.291	10.875	-0.727
6/26/2017 5:53:00 PM	271.000	3.292	10.878	-0.729
6/26/2017 5:53:01 PM	272.000	3.291	10.879	-0.726
6/26/2017 5:53:02 PM	273.000	3.290	10.878	-0.726
6/26/2017 5:53:03 PM	274.000	3.291	10.879	-0.728
6/26/2017 5:53:04 PM	275.000	3.291	10.878	-0.726
6/26/2017 5:53:05 PM	276.000	3.290	10.878	-0.724
6/26/2017 5:53:06 PM	277.000	3.292	10.876	-0.728
6/26/2017 5:53:07 PM	278.000	3.292	10.876	-0.728
6/26/2017 5:53:08 PM	279.000	3.291	10.878	-0.728
6/26/2017 5:53:09 PM	280.000	3.289	10.881	-0.722
6/26/2017 5:53:10 PM	281.000	3.291	10.878	-0.727
6/26/2017 5:53:11 PM	282.000	3.292	10.879	-0.729
6/26/2017 5:53:12 PM	283.000	3.292	10.880	-0.728
6/26/2017 5:53:13 PM	284.000	3.292	10.880	-0.729
6/26/2017 5:53:14 PM	285.000	3.292	10.881	-0.728
6/26/2017 5:53:15 PM	286.000	3.291	10.878	-0.728
6/26/2017 5:53:16 PM	287.000	3.291	10.877	-0.727
6/26/2017 5:53:17 PM	288.000	3.291	10.879	-0.726
6/26/2017 5:53:18 PM	289.000	3.290	10.879	-0.725
6/26/2017 5:53:19 PM	290.000	3.291	10.880	-0.726
6/26/2017 5:53:20 PM	291.000	3.291	10.879	-0.727
6/26/2017 5:53:21 PM	292.000	3.292	10.879	-0.729
6/26/2017 5:53:22 PM	293.000	3.291	10.880	-0.726
6/26/2017 5:53:23 PM	294.000	3.292	10.880	-0.730
6/26/2017 5:53:24 PM	295.000	3.291	10.880	-0.726

6/26/2017 5:53:25 PM	296.000	3.293	10.881	-0.731
6/26/2017 5:53:26 PM	297.000	3.291	10.880	-0.727
6/26/2017 5:53:27 PM	298.000	3.291	10.880	-0.726
6/26/2017 5:53:28 PM	299.000	3.289	10.880	-0.723
6/26/2017 5:53:29 PM	300.000	3.291	10.877	-0.727
6/26/2017 5:54:29 PM	360.001	3.291	10.839	-0.727
6/26/2017 5:55:29 PM	420.001	3.291	10.830	-0.727
6/26/2017 5:56:29 PM	480.001	3.291	10.826	-0.728
6/26/2017 5:57:29 PM	540.001	3.291	10.823	-0.727
6/26/2017 5:58:29 PM	600.001	3.291	10.820	-0.727
6/26/2017 5:59:29 PM	660.001	3.291	10.819	-0.727
6/26/2017 6:00:29 PM	720.001	3.291	10.820	-0.726
6/26/2017 6:01:29 PM	780.001	3.293	10.816	-0.730
6/26/2017 6:02:29 PM	840.001	3.293	10.816	-0.732
6/26/2017 6:03:29 PM	900.001	3.291	10.815	-0.727
6/26/2017 6:04:29 PM	960.001	3.293	10.814	-0.731
6/26/2017 6:05:29 PM	1020.001	3.292	10.811	-0.730
6/26/2017 6:06:29 PM	1080.001	3.292	10.813	-0.729
6/26/2017 6:07:29 PM	1140.001	3.293	10.810	-0.732
6/26/2017 6:08:29 PM	1200.001	3.293	10.811	-0.732
6/26/2017 6:09:29 PM	1260.001	3.293	10.811	-0.732
6/26/2017 6:10:29 PM	1320.001	3.292	10.810	-0.730
6/26/2017 6:11:29 PM	1380.001	3.293	10.809	-0.731
6/26/2017 6:12:29 PM	1440.001	3.294	10.806	-0.734
6/26/2017 6:13:29 PM	1500.001	3.293	10.808	-0.731
6/26/2017 6:14:29 PM	1560.001	3.294	10.807	-0.734
6/26/2017 6:15:29 PM	1620.001	3.294	10.805	-0.733
6/26/2017 6:16:29 PM	1680.001	3.293	10.805	-0.731
6/26/2017 6:17:29 PM	1740.001	3.295	10.806	-0.735
6/26/2017 6:18:29 PM	1800.001	3.294	10.803	-0.733
6/26/2017 6:19:29 PM	1860.001	3.293	10.804	-0.732
6/26/2017 6:20:29 PM	1920.001	3.296	10.804	-0.739
6/26/2017 6:21:29 PM	1980.001	3.295	10.802	-0.735
6/26/2017 6:22:29 PM	2040.001	3.295	10.802	-0.737
6/26/2017 6:23:29 PM	2100.001	3.296	10.800	-0.738
6/26/2017 6:24:29 PM	2160.001	3.296	10.804	-0.737
6/26/2017 6:25:29 PM	2220.001	3.295	10.804	-0.735
6/26/2017 6:26:29 PM	2280.001	3.296	10.804	-0.738
6/26/2017 6:27:29 PM	2340.001	3.296	10.803	-0.739
6/26/2017 6:28:29 PM	2400.001	3.297	10.802	-0.740
6/26/2017 6:29:29 PM	2460.001	3.296	10.803	-0.739
6/26/2017 6:30:29 PM	2520.001	3.297	10.802	-0.740
6/26/2017 6:31:29 PM	2580.001	3.297	10.802	-0.741
6/26/2017 6:32:29 PM	2640.001	3.296	10.804	-0.739
6/26/2017 6:33:29 PM	2700.001	3.298	10.801	-0.743
6/26/2017 6:34:29 PM	2760.001	3.298	10.803	-0.743
6/26/2017 6:35:29 PM	2820.001	3.298	10.803	-0.744
6/26/2017 6:36:29 PM	2880.001	3.298	10.801	-0.743
6/26/2017 6:37:29 PM	2940.001	3.299	10.801	-0.744
6/26/2017 6:38:29 PM	3000.001	3.297	10.801	-0.741
6/26/2017 6:39:29 PM	3060.001	3.298	10.801	-0.742
6/26/2017 6:40:29 PM	3120.001	3.299	10.801	-0.744
6/26/2017 6:41:29 PM	3180.001	3.299	10.801	-0.745
6/26/2017 6:42:29 PM	3240.001	3.299	10.799	-0.746
6/26/2017 6:43:29 PM	3300.001	3.299	10.801	-0.746
6/26/2017 6:44:29 PM	3360.001	3.299	10.801	-0.746
6/26/2017 6:45:29 PM	3420.001	3.298	10.799	-0.744
6/26/2017 6:46:29 PM	3480.001	3.299	10.797	-0.745
6/26/2017 6:47:29 PM	3540.001	3.300	10.798	-0.746
6/26/2017 6:48:29 PM	3600.001	3.301	10.801	-0.749
6/26/2017 6:49:29 PM	3660.001	3.301	10.799	-0.749
6/26/2017 6:50:29 PM	3720.001	3.300	10.797	-0.748
6/26/2017 6:51:29 PM	3780.001	3.301	10.800	-0.750

6/26/2017 6:52:29 PM	3840.001	3.301	10.799	-0.749
6/26/2017 6:53:29 PM	3900.001	3.301	10.800	-0.750
6/26/2017 6:54:29 PM	3960.001	3.302	10.798	-0.752
6/26/2017 6:55:29 PM	4020.001	3.302	10.795	-0.752
6/26/2017 6:56:29 PM	4080.001	3.301	10.798	-0.751
6/26/2017 6:57:29 PM	4140.001	3.301	10.799	-0.749
6/26/2017 6:58:29 PM	4200.001	3.302	10.797	-0.752
6/26/2017 6:59:29 PM	4260.001	3.302	10.797	-0.753
6/26/2017 7:00:29 PM	4320.001	3.303	10.796	-0.754
6/26/2017 7:01:29 PM	4380.001	3.303	10.797	-0.754
6/26/2017 7:02:29 PM	4440.001	3.302	10.797	-0.753
6/26/2017 7:03:29 PM	4500.001	3.303	10.797	-0.754
6/26/2017 7:04:29 PM	4560.001	3.302	10.793	-0.752
6/26/2017 7:05:29 PM	4620.001	3.303	10.797	-0.754
6/26/2017 7:06:29 PM	4680.001	3.302	10.797	-0.753
6/26/2017 7:07:29 PM	4740.001	3.305	10.798	-0.758
6/26/2017 7:08:29 PM	4800.001	3.305	10.797	-0.759
6/26/2017 7:09:29 PM	4860.001	3.303	10.798	-0.754
6/26/2017 7:10:29 PM	4920.001	3.304	10.799	-0.756
6/26/2017 7:11:29 PM	4980.001	3.305	10.795	-0.760
6/26/2017 7:12:29 PM	5040.001	3.303	10.797	-0.755
6/26/2017 7:13:29 PM	5100.001	3.305	10.796	-0.758
6/26/2017 7:14:29 PM	5160.001	3.305	10.798	-0.760
6/26/2017 7:15:29 PM	5220.001	3.305	10.794	-0.759
6/26/2017 7:16:29 PM	5280.001	3.305	10.795	-0.759
6/26/2017 7:17:29 PM	5340.001	3.305	10.794	-0.759
6/26/2017 7:18:29 PM	5400.001	3.306	10.794	-0.762
6/26/2017 7:19:29 PM	5460.001	3.306	10.795	-0.761
6/26/2017 7:20:29 PM	5520.001	3.306	10.796	-0.761
6/26/2017 7:21:29 PM	5580.001	3.308	10.799	-0.765
6/26/2017 7:22:29 PM	5640.001	3.305	10.797	-0.760
6/26/2017 7:23:29 PM	5700.001	3.306	10.797	-0.762
6/26/2017 7:24:29 PM	5760.001	3.307	10.795	-0.765
6/26/2017 7:25:29 PM	5820.001	3.309	10.795	-0.769
6/26/2017 7:26:29 PM	5880.001	3.308	10.796	-0.766
6/26/2017 7:27:29 PM	5940.001	3.306	10.797	-0.761
6/26/2017 7:28:29 PM	6000.001	3.308	10.795	-0.765
6/26/2017 7:29:29 PM	6060.001	3.308	10.796	-0.767
6/26/2017 7:30:29 PM	6120.001	3.308	10.796	-0.767
6/26/2017 7:31:29 PM	6180.001	3.308	10.795	-0.765
6/26/2017 7:32:29 PM	6240.001	3.308	10.797	-0.765
6/26/2017 7:33:29 PM	6300.001	3.309	10.795	-0.768
6/26/2017 7:34:29 PM	6360.001	3.309	10.795	-0.767
6/26/2017 7:35:29 PM	6420.001	3.311	10.795	-0.772
6/26/2017 7:36:29 PM	6480.001	3.310	10.795	-0.771
6/26/2017 7:37:29 PM	6540.001	3.310	10.796	-0.770
6/26/2017 7:38:29 PM	6600.001	3.311	10.795	-0.773
6/26/2017 7:39:29 PM	6660.001	3.311	10.794	-0.773
6/26/2017 7:40:29 PM	6720.001	3.310	10.797	-0.771
6/26/2017 7:41:29 PM	6780.001	3.311	10.795	-0.772
6/26/2017 7:42:29 PM	6840.001	3.309	10.796	-0.768
6/26/2017 7:43:29 PM	6900.001	3.311	10.796	-0.773
6/26/2017 7:44:29 PM	6960.001	3.310	10.793	-0.772
6/26/2017 7:45:29 PM	7020.001	3.310	10.797	-0.771
6/26/2017 7:46:29 PM	7080.001	3.311	10.792	-0.773
6/26/2017 7:47:29 PM	7140.001	3.312	10.792	-0.775
6/26/2017 7:48:29 PM	7200.001	3.311	10.795	-0.772
6/26/2017 7:49:29 PM	7260.001	3.313	10.793	-0.777
6/26/2017 7:50:29 PM	7320.001	3.312	10.794	-0.776
6/26/2017 7:51:29 PM	7380.001	3.311	10.792	-0.773
6/26/2017 7:52:29 PM	7440.001	3.312	10.792	-0.776
6/26/2017 7:53:29 PM	7500.001	3.312	10.795	-0.776
6/26/2017 7:54:29 PM	7560.001	3.313	10.792	-0.778

6/26/2017 7:55:29 PM	7620.001	3.313	10.793	-0.778
6/26/2017 7:56:29 PM	7680.001	3.312	10.793	-0.776
6/26/2017 7:57:29 PM	7740.001	3.314	10.793	-0.781
6/26/2017 7:58:29 PM	7800.001	3.313	10.795	-0.778
6/26/2017 7:59:29 PM	7860.001	3.315	10.792	-0.782
6/26/2017 8:00:29 PM	7920.001	3.313	10.795	-0.777
6/26/2017 8:01:29 PM	7980.001	3.314	10.793	-0.780
6/26/2017 8:02:29 PM	8040.001	3.314	10.797	-0.779
6/26/2017 8:03:29 PM	8100.001	3.314	10.792	-0.780
6/26/2017 8:04:29 PM	8160.001	3.315	10.795	-0.782
6/26/2017 8:05:29 PM	8220.001	3.314	10.795	-0.779
6/26/2017 8:06:29 PM	8280.001	3.315	10.791	-0.781
6/26/2017 8:07:29 PM	8340.001	3.314	10.789	-0.780
6/26/2017 8:08:29 PM	8400.001	3.315	10.794	-0.782
6/26/2017 8:09:29 PM	8460.001	3.314	10.793	-0.780
6/26/2017 8:10:29 PM	8520.001	3.314	10.793	-0.779
6/26/2017 8:11:29 PM	8580.001	3.315	10.793	-0.782
6/26/2017 8:12:29 PM	8640.001	3.316	10.794	-0.784
6/26/2017 8:13:29 PM	8700.001	3.316	10.789	-0.784
6/26/2017 8:14:29 PM	8760.001	3.315	10.794	-0.782
6/26/2017 8:15:29 PM	8820.001	3.316	10.794	-0.784
6/26/2017 8:16:29 PM	8880.001	3.317	10.791	-0.786
6/26/2017 8:17:29 PM	8940.001	3.317	10.793	-0.787
6/26/2017 8:18:29 PM	9000.001	3.318	10.790	-0.789
6/26/2017 8:19:29 PM	9060.001	3.318	10.793	-0.788
6/26/2017 8:20:29 PM	9120.001	3.318	10.792	-0.789
6/26/2017 8:21:29 PM	9180.001	3.317	10.790	-0.788
6/26/2017 8:22:29 PM	9240.001	3.318	10.792	-0.789
6/26/2017 8:23:29 PM	9300.001	3.318	10.793	-0.789
6/26/2017 8:24:29 PM	9360.001	3.318	10.792	-0.789
6/26/2017 8:25:29 PM	9420.001	3.318	10.792	-0.789
6/26/2017 8:26:29 PM	9480.001	3.320	10.792	-0.793
6/26/2017 8:27:29 PM	9540.001	3.318	10.792	-0.789
6/26/2017 8:28:29 PM	9600.001	3.319	10.791	-0.792
6/26/2017 8:29:29 PM	9660.001	3.319	10.795	-0.792
6/26/2017 8:30:29 PM	9720.001	3.318	10.794	-0.790
6/26/2017 8:31:29 PM	9780.001	3.319	10.792	-0.790
6/26/2017 8:32:29 PM	9840.001	3.321	10.793	-0.795
6/26/2017 8:33:29 PM	9900.001	3.321	10.793	-0.795
6/26/2017 8:34:29 PM	9960.001	3.319	10.794	-0.792
6/26/2017 8:35:29 PM	10020.001	3.319	10.796	-0.792
6/26/2017 8:36:29 PM	10080.001	3.319	10.795	-0.792
6/26/2017 8:37:29 PM	10140.001	3.321	10.793	-0.796
6/26/2017 8:38:29 PM	10200.001	3.320	10.792	-0.794
6/26/2017 8:39:29 PM	10260.001	3.323	10.792	-0.801
6/26/2017 8:40:29 PM	10320.001	3.319	10.793	-0.792
6/26/2017 8:41:29 PM	10380.001	3.321	10.794	-0.797
6/26/2017 8:42:29 PM	10440.001	3.320	10.793	-0.794
6/26/2017 8:43:29 PM	10500.001	3.321	10.791	-0.795
6/26/2017 8:44:29 PM	10560.001	3.321	10.793	-0.797
6/26/2017 8:45:29 PM	10620.001	3.322	10.795	-0.799
6/26/2017 8:46:29 PM	10680.001	3.322	10.792	-0.798
6/26/2017 8:47:29 PM	10740.001	3.323	10.792	-0.801
6/26/2017 8:48:29 PM	10800.001	3.321	10.792	-0.797
6/26/2017 8:49:29 PM	10860.001	3.322	10.792	-0.798
6/26/2017 8:50:29 PM	10920.001	3.322	10.792	-0.799
6/26/2017 8:51:29 PM	10980.001	3.322	10.792	-0.799
6/26/2017 8:52:29 PM	11040.001	3.323	10.794	-0.801
6/26/2017 8:53:29 PM	11100.001	3.323	10.792	-0.800
6/26/2017 8:54:29 PM	11160.001	3.324	10.794	-0.804
6/26/2017 8:55:29 PM	11220.001	3.322	10.791	-0.799
6/26/2017 8:56:29 PM	11280.001	3.325	10.795	-0.805
6/26/2017 8:57:29 PM	11340.001	3.325	10.794	-0.804

6/26/2017 8:58:29 PM	11400.001	3.324	10.794	-0.803
6/26/2017 8:59:29 PM	11460.001	3.325	10.791	-0.804
6/26/2017 9:00:29 PM	11520.001	3.325	10.793	-0.806
6/26/2017 9:01:29 PM	11580.001	3.325	10.793	-0.805
6/26/2017 9:02:29 PM	11640.001	3.325	10.793	-0.805
6/26/2017 9:03:29 PM	11700.001	3.325	10.794	-0.806
6/26/2017 9:04:29 PM	11760.001	3.325	10.791	-0.805
6/26/2017 9:05:29 PM	11820.001	3.327	10.791	-0.810
6/26/2017 9:06:29 PM	11880.001	3.326	10.793	-0.808
6/26/2017 9:07:29 PM	11940.001	3.326	10.791	-0.807
6/26/2017 9:08:29 PM	12000.001	3.326	10.791	-0.807
6/26/2017 9:09:29 PM	12060.001	3.325	10.789	-0.805
6/26/2017 9:10:29 PM	12120.001	3.328	10.794	-0.811
6/26/2017 9:11:29 PM	12180.001	3.327	10.789	-0.810
6/26/2017 9:12:29 PM	12240.001	3.326	10.791	-0.808
6/26/2017 9:13:29 PM	12300.001	3.325	10.789	-0.805
6/26/2017 9:14:29 PM	12360.001	3.327	10.791	-0.809
6/26/2017 9:15:29 PM	12420.001	3.327	10.788	-0.811
6/26/2017 9:16:29 PM	12480.001	3.327	10.791	-0.811
6/26/2017 9:17:29 PM	12540.001	3.327	10.790	-0.810
6/26/2017 9:18:29 PM	12600.001	3.328	10.789	-0.812
6/26/2017 9:19:29 PM	12660.001	3.328	10.789	-0.813
6/26/2017 9:20:29 PM	12720.001	3.328	10.788	-0.813
6/26/2017 9:21:29 PM	12780.001	3.329	10.790	-0.813
6/26/2017 9:22:29 PM	12840.001	3.329	10.790	-0.815
6/26/2017 9:23:29 PM	12900.001	3.328	10.788	-0.813
6/26/2017 9:24:29 PM	12960.001	3.328	10.790	-0.812
6/26/2017 9:25:29 PM	13020.001	3.329	10.789	-0.814
6/26/2017 9:26:29 PM	13080.001	3.329	10.790	-0.815
6/26/2017 9:27:29 PM	13140.001	3.330	10.789	-0.816
6/26/2017 9:28:29 PM	13200.001	3.331	10.790	-0.819
6/26/2017 9:29:29 PM	13260.001	3.329	10.788	-0.815
6/26/2017 9:30:29 PM	13320.001	3.330	10.788	-0.817
6/26/2017 9:31:29 PM	13380.001	3.331	10.789	-0.818
6/26/2017 9:32:29 PM	13440.001	3.329	10.789	-0.815
6/26/2017 9:33:29 PM	13500.001	3.330	10.790	-0.817
6/26/2017 9:34:29 PM	13560.001	3.330	10.789	-0.817
6/26/2017 9:35:29 PM	13620.001	3.331	10.789	-0.818
6/26/2017 9:36:29 PM	13680.001	3.332	10.789	-0.821
6/26/2017 9:37:29 PM	13740.001	3.330	10.791	-0.817
6/26/2017 9:38:29 PM	13800.001	3.331	10.790	-0.819
6/26/2017 9:39:29 PM	13860.001	3.332	10.791	-0.822
6/26/2017 9:40:29 PM	13920.001	3.331	10.790	-0.819
6/26/2017 9:41:29 PM	13980.001	3.331	10.790	-0.818
6/26/2017 9:42:29 PM	14040.001	3.332	10.787	-0.821
6/26/2017 9:43:29 PM	14100.001	3.333	10.792	-0.824
6/26/2017 9:44:29 PM	14160.001	3.332	10.792	-0.822
6/26/2017 9:45:29 PM	14220.001	3.333	10.789	-0.823
6/26/2017 9:46:29 PM	14280.001	3.332	10.790	-0.822
6/26/2017 9:47:29 PM	14340.001	3.332	10.788	-0.822
6/26/2017 9:48:29 PM	14400.001	3.333	10.792	-0.823
6/26/2017 9:49:29 PM	14460.001	3.333	10.791	-0.823
6/26/2017 9:50:29 PM	14520.001	3.333	10.794	-0.823
6/26/2017 9:51:29 PM	14580.001	3.335	10.790	-0.828
6/26/2017 9:52:29 PM	14640.001	3.334	10.789	-0.827
6/26/2017 9:53:29 PM	14700.001	3.334	10.792	-0.826
6/26/2017 9:54:29 PM	14760.001	3.334	10.794	-0.825
6/26/2017 9:55:29 PM	14820.001	3.335	10.793	-0.828
6/26/2017 9:56:29 PM	14880.001	3.334	10.789	-0.827
6/26/2017 9:57:29 PM	14940.001	3.335	10.791	-0.828
6/26/2017 9:58:29 PM	15000.001	3.335	10.791	-0.828
6/26/2017 9:59:29 PM	15060.001	3.335	10.793	-0.828
6/26/2017 10:00:29 PM	15120.001	3.336	10.792	-0.830

6/26/2017 10:01:29 PM	15180.001	3.335	10.791	-0.829
6/26/2017 10:02:29 PM	15240.001	3.336	10.790	-0.830
6/26/2017 10:03:29 PM	15300.001	3.336	10.789	-0.830
6/26/2017 10:04:29 PM	15360.001	3.337	10.790	-0.832
6/26/2017 10:05:29 PM	15420.001	3.336	10.789	-0.831
6/26/2017 10:06:29 PM	15480.001	3.336	10.791	-0.830
6/26/2017 10:07:29 PM	15540.001	3.335	10.789	-0.828
6/26/2017 10:08:29 PM	15600.001	3.337	10.791	-0.832
6/26/2017 10:09:29 PM	15660.001	3.338	10.789	-0.835
6/26/2017 10:10:29 PM	15720.001	3.338	10.789	-0.835
6/26/2017 10:11:29 PM	15780.001	3.336	10.788	-0.831
6/26/2017 10:12:29 PM	15840.001	3.337	10.792	-0.833
6/26/2017 10:13:29 PM	15900.001	3.338	10.789	-0.835
6/26/2017 10:14:29 PM	15960.001	3.338	10.787	-0.835
6/26/2017 10:15:29 PM	16020.001	3.340	10.790	-0.839
6/26/2017 10:16:29 PM	16080.001	3.338	10.787	-0.834
6/26/2017 10:17:29 PM	16140.001	3.337	10.790	-0.834
6/26/2017 10:18:29 PM	16200.001	3.338	10.789	-0.836
6/26/2017 10:19:29 PM	16260.001	3.339	10.788	-0.837
6/26/2017 10:20:29 PM	16320.001	3.340	10.789	-0.839
6/26/2017 10:21:29 PM	16380.001	3.338	10.790	-0.835
6/26/2017 10:22:29 PM	16440.001	3.337	10.790	-0.833
6/26/2017 10:23:29 PM	16500.001	3.338	10.788	-0.836
6/26/2017 10:24:29 PM	16560.001	3.339	10.789	-0.839
6/26/2017 10:25:29 PM	16620.001	3.338	10.789	-0.836
6/26/2017 10:26:29 PM	16680.001	3.339	10.791	-0.838
6/26/2017 10:27:29 PM	16740.001	3.340	10.794	-0.839
6/26/2017 10:28:29 PM	16800.001	3.339	10.789	-0.838
6/26/2017 10:29:29 PM	16860.001	3.339	10.790	-0.837
6/26/2017 10:30:29 PM	16920.001	3.340	10.791	-0.840
6/26/2017 10:31:29 PM	16980.001	3.339	10.791	-0.838
6/26/2017 10:32:29 PM	17040.001	3.339	10.792	-0.838
6/26/2017 10:33:29 PM	17100.001	3.341	10.793	-0.843
6/26/2017 10:34:29 PM	17160.001	3.340	10.789	-0.841
6/26/2017 10:35:29 PM	17220.001	3.341	10.791	-0.842
6/26/2017 10:36:29 PM	17280.001	3.341	10.793	-0.841
6/26/2017 10:37:29 PM	17340.001	3.340	10.792	-0.841
6/26/2017 10:38:29 PM	17400.001	3.340	10.793	-0.841
6/26/2017 10:39:29 PM	17460.001	3.341	10.794	-0.842
6/26/2017 10:40:29 PM	17520.001	3.342	10.792	-0.846
6/26/2017 10:41:29 PM	17580.001	3.341	10.794	-0.841
6/26/2017 10:42:29 PM	17640.001	3.341	10.792	-0.842
6/26/2017 10:43:29 PM	17700.001	3.343	10.791	-0.847
6/26/2017 10:44:29 PM	17760.001	3.343	10.793	-0.847
6/26/2017 10:45:29 PM	17820.001	3.342	10.795	-0.845
6/26/2017 10:46:29 PM	17880.001	3.342	10.796	-0.844
6/26/2017 10:47:29 PM	17940.001	3.343	10.795	-0.846
6/26/2017 10:48:29 PM	18000.001	3.343	10.796	-0.848
6/26/2017 10:49:29 PM	18060.001	3.341	10.792	-0.843
6/26/2017 10:50:29 PM	18120.001	3.345	10.792	-0.852
6/26/2017 10:51:29 PM	18180.001	3.343	10.793	-0.847
6/26/2017 10:52:29 PM	18240.001	3.344	10.791	-0.849
6/26/2017 10:53:29 PM	18300.001	3.344	10.791	-0.850
6/26/2017 10:54:29 PM	18360.001	3.344	10.792	-0.849
6/26/2017 10:55:29 PM	18420.001	3.343	10.789	-0.848
6/26/2017 10:56:29 PM	18480.001	3.343	10.791	-0.848
6/26/2017 10:57:29 PM	18540.001	3.344	10.791	-0.850
6/26/2017 10:58:29 PM	18600.001	3.345	10.791	-0.851
6/26/2017 10:59:29 PM	18660.001	3.344	10.791	-0.848
6/26/2017 11:00:29 PM	18720.001	3.346	10.792	-0.854
6/26/2017 11:01:29 PM	18780.001	3.344	10.792	-0.848
6/26/2017 11:02:29 PM	18840.001	3.346	10.791	-0.854
6/26/2017 11:03:29 PM	18900.001	3.345	10.790	-0.851

6/26/2017 11:04:29 PM	18960.001	3.347	10.789	-0.855
6/26/2017 11:05:29 PM	19020.001	3.345	10.786	-0.852
6/26/2017 11:06:29 PM	19080.001	3.345	10.790	-0.852
6/26/2017 11:07:29 PM	19140.001	3.344	10.790	-0.850
6/26/2017 11:08:29 PM	19200.001	3.347	10.788	-0.855
6/26/2017 11:09:29 PM	19260.001	3.346	10.788	-0.854
6/26/2017 11:10:29 PM	19320.001	3.347	10.791	-0.856
6/26/2017 11:11:29 PM	19380.001	3.346	10.789	-0.854
6/26/2017 11:12:29 PM	19440.001	3.346	10.788	-0.855
6/26/2017 11:13:29 PM	19500.001	3.347	10.788	-0.855
6/26/2017 11:14:29 PM	19560.001	3.346	10.790	-0.854
6/26/2017 11:15:29 PM	19620.001	3.347	10.788	-0.855
6/26/2017 11:16:29 PM	19680.001	3.347	10.790	-0.856
6/26/2017 11:17:29 PM	19740.001	3.348	10.795	-0.859
6/26/2017 11:18:29 PM	19800.001	3.346	10.789	-0.854
6/26/2017 11:19:29 PM	19860.001	3.348	10.791	-0.859
6/26/2017 11:20:29 PM	19920.001	3.348	10.793	-0.857
6/26/2017 11:21:29 PM	19980.001	3.348	10.794	-0.859
6/26/2017 11:22:29 PM	20040.001	3.348	10.794	-0.859
6/26/2017 11:23:29 PM	20100.001	3.349	10.793	-0.860
6/26/2017 11:24:29 PM	20160.001	3.348	10.794	-0.859
6/26/2017 11:25:29 PM	20220.001	3.349	10.792	-0.860
6/26/2017 11:26:29 PM	20280.001	3.348	10.792	-0.858
6/26/2017 11:27:29 PM	20340.001	3.349	10.792	-0.861
6/26/2017 11:28:29 PM	20400.001	3.350	10.791	-0.864
6/26/2017 11:29:29 PM	20460.001	3.349	10.791	-0.862
6/26/2017 11:30:29 PM	20520.001	3.351	10.792	-0.865
6/26/2017 11:31:29 PM	20580.001	3.352	10.790	-0.867
6/26/2017 11:32:29 PM	20640.001	3.351	10.792	-0.865
6/26/2017 11:33:29 PM	20700.001	3.350	10.793	-0.863
6/26/2017 11:34:29 PM	20760.001	3.350	10.792	-0.863
6/26/2017 11:35:29 PM	20820.001	3.350	10.792	-0.862
6/26/2017 11:36:29 PM	20880.001	3.350	10.789	-0.863
6/26/2017 11:37:29 PM	20940.001	3.350	10.791	-0.862
6/26/2017 11:38:29 PM	21000.001	3.351	10.790	-0.865
6/26/2017 11:39:29 PM	21060.001	3.350	10.793	-0.863
6/26/2017 11:40:29 PM	21120.001	3.352	10.792	-0.868
6/26/2017 11:41:29 PM	21180.001	3.351	10.793	-0.865
6/26/2017 11:42:29 PM	21240.001	3.350	10.795	-0.863
6/26/2017 11:43:29 PM	21300.001	3.351	10.794	-0.866
6/26/2017 11:44:29 PM	21360.001	3.353	10.797	-0.870
6/26/2017 11:45:29 PM	21420.001	3.351	10.799	-0.866
6/26/2017 11:46:29 PM	21480.001	3.354	10.798	-0.872
6/26/2017 11:47:29 PM	21540.001	3.353	10.796	-0.869
6/26/2017 11:48:29 PM	21600.001	3.352	10.798	-0.867
6/26/2017 11:49:29 PM	21660.001	3.352	10.797	-0.868
6/26/2017 11:50:29 PM	21720.001	3.352	10.798	-0.868
6/26/2017 11:51:29 PM	21780.001	3.355	10.796	-0.874
6/26/2017 11:52:29 PM	21840.001	3.353	10.793	-0.871
6/26/2017 11:53:29 PM	21900.001	3.354	10.794	-0.873
6/26/2017 11:54:29 PM	21960.001	3.352	10.795	-0.868
6/26/2017 11:55:29 PM	22020.001	3.354	10.794	-0.872
6/26/2017 11:56:29 PM	22080.001	3.352	10.794	-0.868
6/26/2017 11:57:29 PM	22140.001	3.355	10.795	-0.875
6/26/2017 11:58:29 PM	22200.001	3.354	10.793	-0.872
6/26/2017 11:59:29 PM	22260.001	3.355	10.791	-0.875
6/27/2017 12:00:29 AM	22320.001	3.352	10.794	-0.867
6/27/2017 12:01:29 AM	22380.001	3.356	10.791	-0.876
6/27/2017 12:02:29 AM	22440.001	3.357	10.795	-0.878
6/27/2017 12:03:29 AM	22500.001	3.354	10.793	-0.873
6/27/2017 12:04:29 AM	22560.001	3.356	10.793	-0.877
6/27/2017 12:05:29 AM	22620.001	3.357	10.792	-0.879
6/27/2017 12:06:29 AM	22680.001	3.355	10.794	-0.875

6/27/2017 12:07:29 AM	22740.001	3.356	10.795	-0.876
6/27/2017 12:08:29 AM	22800.001	3.355	10.794	-0.874
6/27/2017 12:09:29 AM	22860.001	3.357	10.794	-0.878
6/27/2017 12:10:29 AM	22920.001	3.356	10.794	-0.876
6/27/2017 12:11:29 AM	22980.001	3.356	10.793	-0.876
6/27/2017 12:12:29 AM	23040.001	3.357	10.793	-0.878
6/27/2017 12:13:29 AM	23100.001	3.356	10.790	-0.877
6/27/2017 12:14:29 AM	23160.001	3.356	10.791	-0.877
6/27/2017 12:15:29 AM	23220.001	3.355	10.794	-0.875
6/27/2017 12:16:29 AM	23280.001	3.358	10.792	-0.880
6/27/2017 12:17:29 AM	23340.001	3.356	10.793	-0.876
6/27/2017 12:18:29 AM	23400.001	3.358	10.791	-0.882
6/27/2017 12:19:29 AM	23460.001	3.358	10.794	-0.881
6/27/2017 12:20:29 AM	23520.001	3.358	10.793	-0.882
6/27/2017 12:21:29 AM	23580.001	3.358	10.794	-0.881
6/27/2017 12:22:29 AM	23640.001	3.358	10.793	-0.883
6/27/2017 12:23:29 AM	23700.001	3.357	10.793	-0.880
6/27/2017 12:24:29 AM	23760.001	3.359	10.794	-0.883
6/27/2017 12:25:29 AM	23820.001	3.357	10.794	-0.878
6/27/2017 12:26:29 AM	23880.001	3.359	10.793	-0.885
6/27/2017 12:27:29 AM	23940.001	3.358	10.792	-0.882
6/27/2017 12:28:29 AM	24000.001	3.358	10.791	-0.882
6/27/2017 12:29:29 AM	24060.001	3.360	10.795	-0.886
6/27/2017 12:30:29 AM	24120.001	3.360	10.794	-0.887
6/27/2017 12:31:29 AM	24180.001	3.358	10.798	-0.882
6/27/2017 12:32:29 AM	24240.001	3.358	10.794	-0.882
6/27/2017 12:33:29 AM	24300.001	3.361	10.796	-0.888
6/27/2017 12:34:29 AM	24360.001	3.359	10.795	-0.884
6/27/2017 12:35:29 AM	24420.001	3.359	10.797	-0.885
6/27/2017 12:36:29 AM	24480.001	3.359	10.797	-0.885
6/27/2017 12:37:29 AM	24540.001	3.360	10.796	-0.887
6/27/2017 12:38:29 AM	24600.001	3.361	10.793	-0.888
6/27/2017 12:39:29 AM	24660.001	3.360	10.794	-0.885
6/27/2017 12:40:29 AM	24720.001	3.361	10.792	-0.888
6/27/2017 12:41:29 AM	24780.001	3.363	10.792	-0.892
6/27/2017 12:42:29 AM	24840.001	3.361	10.792	-0.888
6/27/2017 12:43:29 AM	24900.001	3.361	10.791	-0.889
6/27/2017 12:44:29 AM	24960.001	3.361	10.792	-0.889
6/27/2017 12:45:29 AM	25020.001	3.362	10.791	-0.891
6/27/2017 12:46:29 AM	25080.001	3.361	10.787	-0.889
6/27/2017 12:47:29 AM	25140.001	3.362	10.789	-0.892
6/27/2017 12:48:29 AM	25200.001	3.363	10.790	-0.892
6/27/2017 12:49:29 AM	25260.001	3.362	10.792	-0.890
6/27/2017 12:50:29 AM	25320.001	3.361	10.790	-0.889
6/27/2017 12:51:29 AM	25380.001	3.364	10.789	-0.896
6/27/2017 12:52:29 AM	25440.001	3.362	10.788	-0.892
6/27/2017 12:53:29 AM	25500.001	3.365	10.788	-0.897
6/27/2017 12:54:29 AM	25560.001	3.363	10.789	-0.892
6/27/2017 12:55:29 AM	25620.001	3.364	10.787	-0.896
6/27/2017 12:56:29 AM	25680.001	3.364	10.787	-0.896
6/27/2017 12:57:29 AM	25740.001	3.363	10.790	-0.893
6/27/2017 12:58:29 AM	25800.001	3.364	10.787	-0.896
6/27/2017 12:59:29 AM	25860.001	3.363	10.792	-0.894
6/27/2017 1:00:29 AM	25920.001	3.365	10.790	-0.898
6/27/2017 1:01:29 AM	25980.001	3.364	10.793	-0.894
6/27/2017 1:02:29 AM	26040.001	3.363	10.796	-0.893
6/27/2017 1:03:29 AM	26100.001	3.365	10.792	-0.897
6/27/2017 1:04:29 AM	26160.001	3.364	10.795	-0.896
6/27/2017 1:05:29 AM	26220.001	3.365	10.792	-0.897
6/27/2017 1:06:29 AM	26280.001	3.364	10.795	-0.896
6/27/2017 1:07:29 AM	26340.001	3.364	10.795	-0.896
6/27/2017 1:08:29 AM	26400.001	3.365	10.793	-0.897
6/27/2017 1:09:29 AM	26460.001	3.367	10.793	-0.901

6/27/2017 1:10:29 AM	26520.001	3.366	10.793	-0.901
6/27/2017 1:11:29 AM	26580.001	3.366	10.792	-0.899
6/27/2017 1:12:29 AM	26640.001	3.367	10.791	-0.902
6/27/2017 1:13:29 AM	26700.001	3.367	10.795	-0.902
6/27/2017 1:14:29 AM	26760.001	3.367	10.795	-0.902
6/27/2017 1:15:29 AM	26820.001	3.366	10.794	-0.899
6/27/2017 1:16:29 AM	26880.001	3.367	10.794	-0.902
6/27/2017 1:17:29 AM	26940.001	3.366	10.793	-0.900
6/27/2017 1:18:29 AM	27000.001	3.368	10.795	-0.904
6/27/2017 1:19:29 AM	27060.001	3.367	10.797	-0.903
6/27/2017 1:20:29 AM	27120.001	3.366	10.792	-0.899
6/27/2017 1:21:29 AM	27180.001	3.368	10.796	-0.904
6/27/2017 1:22:29 AM	27240.001	3.368	10.796	-0.904
6/27/2017 1:23:29 AM	27300.001	3.367	10.797	-0.902
6/27/2017 1:24:29 AM	27360.001	3.369	10.796	-0.906
6/27/2017 1:25:29 AM	27420.001	3.369	10.798	-0.906
6/27/2017 1:26:29 AM	27480.001	3.368	10.802	-0.904
6/27/2017 1:27:29 AM	27540.001	3.367	10.800	-0.902
6/27/2017 1:28:29 AM	27600.001	3.370	10.803	-0.910
6/27/2017 1:29:29 AM	27660.001	3.369	10.804	-0.907
6/27/2017 1:30:29 AM	27720.001	3.368	10.803	-0.905
6/27/2017 1:31:29 AM	27780.001	3.370	10.801	-0.908
6/27/2017 1:32:29 AM	27840.001	3.369	10.802	-0.907
6/27/2017 1:33:29 AM	27900.001	3.369	10.799	-0.907
6/27/2017 1:34:29 AM	27960.001	3.370	10.804	-0.908
6/27/2017 1:35:29 AM	28020.001	3.370	10.804	-0.908
6/27/2017 1:36:29 AM	28080.001	3.369	10.799	-0.908
6/27/2017 1:37:29 AM	28140.001	3.371	10.800	-0.911
6/27/2017 1:38:29 AM	28200.001	3.371	10.800	-0.911
6/27/2017 1:39:29 AM	28260.001	3.370	10.797	-0.910
6/27/2017 1:40:29 AM	28320.001	3.372	10.799	-0.913
6/27/2017 1:41:29 AM	28380.001	3.369	10.796	-0.906
6/27/2017 1:42:29 AM	28440.001	3.371	10.796	-0.911
6/27/2017 1:43:29 AM	28500.001	3.371	10.797	-0.912
6/27/2017 1:44:29 AM	28560.001	3.371	10.795	-0.912
6/27/2017 1:45:29 AM	28620.001	3.372	10.794	-0.913
6/27/2017 1:46:29 AM	28680.001	3.372	10.793	-0.914
6/27/2017 1:47:29 AM	28740.001	3.372	10.790	-0.913
6/27/2017 1:48:29 AM	28800.001	3.371	10.792	-0.913
6/27/2017 1:49:29 AM	28860.001	3.372	10.790	-0.913
6/27/2017 1:50:29 AM	28920.001	3.374	10.788	-0.917
6/27/2017 1:51:29 AM	28980.001	3.372	10.788	-0.914
6/27/2017 1:52:29 AM	29040.001	3.372	10.786	-0.914
6/27/2017 1:53:29 AM	29100.001	3.372	10.787	-0.915
6/27/2017 1:54:29 AM	29160.001	3.373	10.787	-0.917
6/27/2017 1:55:29 AM	29220.001	3.373	10.788	-0.917
6/27/2017 1:56:29 AM	29280.001	3.372	10.789	-0.915
6/27/2017 1:57:29 AM	29340.001	3.373	10.789	-0.917
6/27/2017 1:58:29 AM	29400.001	3.374	10.794	-0.918
6/27/2017 1:59:29 AM	29460.001	3.374	10.792	-0.918
6/27/2017 2:00:29 AM	29520.001	3.374	10.795	-0.917
6/27/2017 2:01:29 AM	29580.001	3.373	10.796	-0.915
6/27/2017 2:02:29 AM	29640.001	3.373	10.795	-0.915
6/27/2017 2:03:29 AM	29700.001	3.375	10.792	-0.921
6/27/2017 2:04:29 AM	29760.001	3.373	10.792	-0.915
6/27/2017 2:05:29 AM	29820.001	3.374	10.796	-0.918
6/27/2017 2:06:29 AM	29880.001	3.374	10.798	-0.918
6/27/2017 2:07:29 AM	29940.001	3.375	10.797	-0.921
6/27/2017 2:08:29 AM	30000.001	3.375	10.796	-0.920
6/27/2017 2:09:29 AM	30060.001	3.375	10.799	-0.920
6/27/2017 2:10:29 AM	30120.001	3.375	10.796	-0.920
6/27/2017 2:11:29 AM	30180.001	3.374	10.797	-0.918
6/27/2017 2:12:29 AM	30240.001	3.375	10.797	-0.921

6/27/2017 2:13:29 AM	30300.001	3.376	10.797	-0.923
6/27/2017 2:14:29 AM	30360.001	3.375	10.796	-0.920
6/27/2017 2:15:29 AM	30420.001	3.375	10.795	-0.921
6/27/2017 2:16:29 AM	30480.001	3.374	10.797	-0.918
6/27/2017 2:17:29 AM	30540.001	3.376	10.798	-0.922
6/27/2017 2:18:29 AM	30600.001	3.375	10.793	-0.921
6/27/2017 2:19:29 AM	30660.001	3.377	10.794	-0.926
6/27/2017 2:20:29 AM	30720.001	3.377	10.795	-0.926
6/27/2017 2:21:29 AM	30780.001	3.377	10.794	-0.925
6/27/2017 2:22:29 AM	30840.001	3.377	10.791	-0.924
6/27/2017 2:23:29 AM	30900.001	3.376	10.795	-0.923
6/27/2017 2:24:29 AM	30960.001	3.378	10.797	-0.927
6/27/2017 2:25:29 AM	31020.001	3.377	10.795	-0.924
6/27/2017 2:26:29 AM	31080.001	3.375	10.798	-0.922
6/27/2017 2:27:29 AM	31140.001	3.377	10.798	-0.925
6/27/2017 2:28:29 AM	31200.001	3.378	10.799	-0.928
6/27/2017 2:29:29 AM	31260.001	3.378	10.798	-0.928
6/27/2017 2:30:29 AM	31320.001	3.377	10.798	-0.925
6/27/2017 2:31:29 AM	31380.001	3.377	10.799	-0.926
6/27/2017 2:32:29 AM	31440.001	3.380	10.798	-0.932
6/27/2017 2:33:29 AM	31500.001	3.378	10.797	-0.927
6/27/2017 2:34:29 AM	31560.001	3.379	10.795	-0.930
6/27/2017 2:35:29 AM	31620.001	3.378	10.794	-0.927
6/27/2017 2:36:29 AM	31680.001	3.379	10.794	-0.931
6/27/2017 2:37:29 AM	31740.001	3.378	10.798	-0.927
6/27/2017 2:38:29 AM	31800.001	3.378	10.799	-0.927
6/27/2017 2:39:29 AM	31860.001	3.381	10.799	-0.934
6/27/2017 2:40:29 AM	31920.001	3.381	10.802	-0.934
6/27/2017 2:41:29 AM	31980.001	3.381	10.801	-0.934
6/27/2017 2:42:29 AM	32040.001	3.379	10.800	-0.929
6/27/2017 2:43:29 AM	32100.001	3.380	10.800	-0.931
6/27/2017 2:44:29 AM	32160.001	3.382	10.800	-0.936
6/27/2017 2:45:29 AM	32220.001	3.380	10.799	-0.931
6/27/2017 2:46:29 AM	32280.001	3.380	10.800	-0.932
6/27/2017 2:47:29 AM	32340.001	3.380	10.801	-0.932
6/27/2017 2:48:29 AM	32400.001	3.379	10.803	-0.931
6/27/2017 2:49:29 AM	32460.001	3.382	10.799	-0.937
6/27/2017 2:50:29 AM	32520.001	3.380	10.804	-0.932
6/27/2017 2:51:29 AM	32580.001	3.381	10.805	-0.934
6/27/2017 2:52:29 AM	32640.001	3.381	10.803	-0.934
6/27/2017 2:53:29 AM	32700.001	3.381	10.802	-0.935
6/27/2017 2:54:29 AM	32760.001	3.381	10.801	-0.935
6/27/2017 2:55:29 AM	32820.001	3.381	10.803	-0.934
6/27/2017 2:56:29 AM	32880.001	3.382	10.800	-0.938
6/27/2017 2:57:29 AM	32940.001	3.382	10.801	-0.936
6/27/2017 2:58:29 AM	33000.001	3.383	10.800	-0.939
6/27/2017 2:59:29 AM	33060.001	3.382	10.798	-0.938
6/27/2017 3:00:29 AM	33120.001	3.384	10.799	-0.942
6/27/2017 3:01:29 AM	33180.001	3.383	10.800	-0.939
6/27/2017 3:02:29 AM	33240.001	3.381	10.799	-0.934
6/27/2017 3:03:29 AM	33300.001	3.384	10.798	-0.942
6/27/2017 3:04:29 AM	33360.001	3.385	10.799	-0.943
6/27/2017 3:05:29 AM	33420.001	3.383	10.799	-0.939
6/27/2017 3:06:29 AM	33480.001	3.383	10.801	-0.938
6/27/2017 3:07:29 AM	33540.001	3.383	10.802	-0.940
6/27/2017 3:08:29 AM	33600.001	3.383	10.800	-0.940
6/27/2017 3:09:29 AM	33660.001	3.383	10.802	-0.939
6/27/2017 3:10:29 AM	33720.001	3.384	10.799	-0.943
6/27/2017 3:11:29 AM	33780.001	3.384	10.804	-0.941
6/27/2017 3:12:29 AM	33840.001	3.385	10.803	-0.945
6/27/2017 3:13:29 AM	33900.001	3.386	10.804	-0.946
6/27/2017 3:14:29 AM	33960.001	3.384	10.801	-0.941
6/27/2017 3:15:29 AM	34020.001	3.384	10.802	-0.941

6/27/2017 3:16:29 AM	34080.001	3.385	10.804	-0.944
6/27/2017 3:17:29 AM	34140.001	3.384	10.803	-0.941
6/27/2017 3:18:29 AM	34200.001	3.385	10.802	-0.943
6/27/2017 3:19:29 AM	34260.001	3.386	10.804	-0.946
6/27/2017 3:20:29 AM	34320.001	3.384	10.803	-0.941
6/27/2017 3:21:29 AM	34380.001	3.385	10.804	-0.944
6/27/2017 3:22:29 AM	34440.001	3.386	10.800	-0.946
6/27/2017 3:23:29 AM	34500.001	3.384	10.799	-0.942
6/27/2017 3:24:29 AM	34560.001	3.387	10.803	-0.948
6/27/2017 3:25:29 AM	34620.001	3.385	10.802	-0.943
6/27/2017 3:26:29 AM	34680.001	3.387	10.800	-0.948
6/27/2017 3:27:29 AM	34740.001	3.387	10.796	-0.948
6/27/2017 3:28:29 AM	34800.001	3.386	10.799	-0.947
6/27/2017 3:29:29 AM	34860.001	3.388	10.802	-0.950
6/27/2017 3:30:29 AM	34920.001	3.387	10.797	-0.948
6/27/2017 3:31:29 AM	34980.001	3.387	10.796	-0.949
6/27/2017 3:32:29 AM	35040.001	3.385	10.797	-0.943
6/27/2017 3:33:29 AM	35100.001	3.388	10.797	-0.951
6/27/2017 3:34:29 AM	35160.001	3.387	10.797	-0.950
6/27/2017 3:35:29 AM	35220.001	3.388	10.797	-0.951
6/27/2017 3:36:29 AM	35280.001	3.389	10.797	-0.953
6/27/2017 3:37:29 AM	35340.001	3.387	10.795	-0.948
6/27/2017 3:38:29 AM	35400.001	3.390	10.796	-0.955
6/27/2017 3:39:29 AM	35460.001	3.389	10.799	-0.952
6/27/2017 3:40:29 AM	35520.001	3.389	10.798	-0.954
6/27/2017 3:41:29 AM	35580.001	3.387	10.800	-0.949
6/27/2017 3:42:29 AM	35640.001	3.389	10.801	-0.953
6/27/2017 3:43:29 AM	35700.001	3.389	10.800	-0.953
6/27/2017 3:44:29 AM	35760.001	3.389	10.800	-0.954
6/27/2017 3:45:29 AM	35820.001	3.389	10.802	-0.953
6/27/2017 3:46:29 AM	35880.001	3.390	10.803	-0.956
6/27/2017 3:47:29 AM	35940.001	3.390	10.801	-0.955
6/27/2017 3:48:29 AM	36000.001	3.391	10.803	-0.958
6/27/2017 3:49:29 AM	36060.001	3.390	10.804	-0.955
6/27/2017 3:50:29 AM	36120.001	3.391	10.807	-0.957
6/27/2017 3:51:29 AM	36180.001	3.391	10.802	-0.958
6/27/2017 3:52:29 AM	36240.001	3.392	10.803	-0.961
6/27/2017 3:53:29 AM	36300.001	3.389	10.804	-0.953
6/27/2017 3:54:29 AM	36360.001	3.391	10.805	-0.957
6/27/2017 3:55:29 AM	36420.001	3.391	10.804	-0.958
6/27/2017 3:56:29 AM	36480.001	3.391	10.801	-0.958
6/27/2017 3:57:29 AM	36540.001	3.390	10.804	-0.955
6/27/2017 3:58:29 AM	36600.001	3.392	10.804	-0.961
6/27/2017 3:59:29 AM	36660.001	3.391	10.803	-0.957
6/27/2017 4:00:29 AM	36720.001	3.391	10.801	-0.957
6/27/2017 4:01:29 AM	36780.001	3.391	10.803	-0.957
6/27/2017 4:02:29 AM	36840.001	3.391	10.804	-0.958
6/27/2017 4:03:29 AM	36900.001	3.391	10.803	-0.958
6/27/2017 4:04:29 AM	36960.001	3.392	10.800	-0.961
6/27/2017 4:05:29 AM	37020.001	3.392	10.805	-0.959
6/27/2017 4:06:29 AM	37080.001	3.394	10.801	-0.964
6/27/2017 4:07:29 AM	37140.001	3.391	10.804	-0.958
6/27/2017 4:08:29 AM	37200.001	3.391	10.807	-0.957
6/27/2017 4:09:29 AM	37260.001	3.393	10.806	-0.963
6/27/2017 4:10:29 AM	37320.001	3.393	10.804	-0.962
6/27/2017 4:11:29 AM	37380.001	3.394	10.805	-0.965
6/27/2017 4:12:29 AM	37440.001	3.392	10.807	-0.960
6/27/2017 4:13:29 AM	37500.001	3.393	10.804	-0.962
6/27/2017 4:14:29 AM	37560.001	3.394	10.800	-0.965
6/27/2017 4:15:29 AM	37620.001	3.395	10.804	-0.967
6/27/2017 4:16:29 AM	37680.001	3.394	10.802	-0.965
6/27/2017 4:17:29 AM	37740.001	3.395	10.799	-0.966
6/27/2017 4:18:29 AM	37800.001	3.395	10.802	-0.966

6/27/2017 4:19:29 AM	37860.001	3.395	10.801	-0.966
6/27/2017 4:20:29 AM	37920.001	3.394	10.797	-0.965
6/27/2017 4:21:29 AM	37980.001	3.395	10.799	-0.966
6/27/2017 4:22:29 AM	38040.001	3.395	10.799	-0.967
6/27/2017 4:23:29 AM	38100.001	3.396	10.802	-0.969
6/27/2017 4:24:29 AM	38160.001	3.395	10.801	-0.968
6/27/2017 4:25:29 AM	38220.001	3.395	10.801	-0.967
6/27/2017 4:26:29 AM	38280.001	3.396	10.804	-0.969
6/27/2017 4:27:29 AM	38340.001	3.395	10.801	-0.968
6/27/2017 4:28:29 AM	38400.001	3.397	10.802	-0.971
6/27/2017 4:29:29 AM	38460.001	3.395	10.801	-0.967
6/27/2017 4:30:29 AM	38520.001	3.396	10.804	-0.969
6/27/2017 4:31:29 AM	38580.001	3.394	10.805	-0.965
6/27/2017 4:32:29 AM	38640.001	3.398	10.804	-0.974
6/27/2017 4:33:29 AM	38700.001	3.396	10.804	-0.969
6/27/2017 4:34:29 AM	38760.001	3.395	10.802	-0.967
6/27/2017 4:35:29 AM	38820.001	3.396	10.802	-0.970
6/27/2017 4:36:29 AM	38880.001	3.396	10.804	-0.970
6/27/2017 4:37:29 AM	38940.001	3.396	10.807	-0.969
6/27/2017 4:38:29 AM	39000.001	3.399	10.803	-0.976
6/27/2017 4:39:29 AM	39060.001	3.396	10.804	-0.970
6/27/2017 4:40:29 AM	39120.001	3.398	10.802	-0.974
6/27/2017 4:41:29 AM	39180.001	3.397	10.805	-0.971
6/27/2017 4:42:29 AM	39240.001	3.398	10.800	-0.973
6/27/2017 4:43:29 AM	39300.001	3.395	10.803	-0.968
6/27/2017 4:44:29 AM	39360.001	3.396	10.804	-0.969
6/27/2017 4:45:29 AM	39420.001	3.397	10.802	-0.973
6/27/2017 4:46:29 AM	39480.001	3.398	10.802	-0.974
6/27/2017 4:47:29 AM	39540.001	3.400	10.804	-0.978
6/27/2017 4:48:29 AM	39600.001	3.398	10.803	-0.974
6/27/2017 4:49:29 AM	39660.001	3.399	10.807	-0.975
6/27/2017 4:50:29 AM	39720.001	3.398	10.807	-0.974
6/27/2017 4:51:29 AM	39780.001	3.398	10.810	-0.974
6/27/2017 4:52:29 AM	39840.001	3.398	10.806	-0.975
6/27/2017 4:53:29 AM	39900.001	3.400	10.809	-0.978
6/27/2017 4:54:29 AM	39960.001	3.398	10.810	-0.973
6/27/2017 4:55:29 AM	40020.001	3.399	10.808	-0.976
6/27/2017 4:56:29 AM	40080.001	3.401	10.809	-0.982
6/27/2017 4:57:29 AM	40140.001	3.400	10.812	-0.979
6/27/2017 4:58:29 AM	40200.001	3.401	10.814	-0.980
6/27/2017 4:59:29 AM	40260.001	3.401	10.810	-0.981
6/27/2017 5:00:29 AM	40320.001	3.401	10.811	-0.981
6/27/2017 5:01:29 AM	40380.001	3.400	10.810	-0.978
6/27/2017 5:02:29 AM	40440.001	3.400	10.810	-0.979
6/27/2017 5:03:29 AM	40500.001	3.401	10.807	-0.980
6/27/2017 5:04:29 AM	40560.001	3.402	10.810	-0.982
6/27/2017 5:05:29 AM	40620.001	3.401	10.810	-0.980
6/27/2017 5:06:29 AM	40680.001	3.401	10.806	-0.980
6/27/2017 5:07:29 AM	40740.001	3.401	10.807	-0.981
6/27/2017 5:08:29 AM	40800.001	3.401	10.805	-0.981
6/27/2017 5:09:29 AM	40860.001	3.400	10.801	-0.978
6/27/2017 5:10:29 AM	40920.001	3.400	10.800	-0.979
6/27/2017 5:11:29 AM	40980.001	3.402	10.802	-0.983
6/27/2017 5:12:29 AM	41040.001	3.403	10.801	-0.985
6/27/2017 5:13:29 AM	41100.001	3.402	10.805	-0.984
6/27/2017 5:14:29 AM	41160.001	3.401	10.804	-0.982
6/27/2017 5:15:29 AM	41220.001	3.402	10.807	-0.983
6/27/2017 5:16:29 AM	41280.001	3.402	10.809	-0.984
6/27/2017 5:17:29 AM	41340.001	3.404	10.807	-0.987
6/27/2017 5:18:29 AM	41400.001	3.402	10.811	-0.982
6/27/2017 5:19:29 AM	41460.001	3.404	10.808	-0.988
6/27/2017 5:20:29 AM	41520.001	3.404	10.810	-0.988
6/27/2017 5:21:29 AM	41580.001	3.403	10.806	-0.985

6/27/2017 5:22:29 AM	41640.001	3.404	10.806	-0.988
6/27/2017 5:23:29 AM	41700.001	3.403	10.809	-0.985
6/27/2017 5:24:29 AM	41760.001	3.404	10.812	-0.987
6/27/2017 5:25:29 AM	41820.001	3.403	10.811	-0.986
6/27/2017 5:26:29 AM	41880.001	3.404	10.810	-0.987
6/27/2017 5:27:29 AM	41940.001	3.405	10.812	-0.990
6/27/2017 5:28:29 AM	42000.001	3.404	10.812	-0.987
6/27/2017 5:29:29 AM	42060.001	3.405	10.816	-0.989
6/27/2017 5:30:29 AM	42120.001	3.404	10.813	-0.988
6/27/2017 5:31:29 AM	42180.001	3.405	10.812	-0.989
6/27/2017 5:32:29 AM	42240.001	3.406	10.810	-0.992
6/27/2017 5:33:29 AM	42300.001	3.403	10.812	-0.986
6/27/2017 5:34:29 AM	42360.001	3.405	10.813	-0.990
6/27/2017 5:35:29 AM	42420.001	3.406	10.815	-0.993
6/27/2017 5:36:29 AM	42480.001	3.405	10.814	-0.991
6/27/2017 5:37:29 AM	42540.001	3.405	10.815	-0.990
6/27/2017 5:38:29 AM	42600.001	3.406	10.811	-0.993
6/27/2017 5:39:29 AM	42660.001	3.407	10.809	-0.994
6/27/2017 5:40:29 AM	42720.001	3.405	10.807	-0.990
6/27/2017 5:41:29 AM	42780.001	3.407	10.807	-0.994
6/27/2017 5:42:29 AM	42840.001	3.405	10.806	-0.990
6/27/2017 5:43:29 AM	42900.001	3.406	10.804	-0.993
6/27/2017 5:44:29 AM	42960.001	3.406	10.806	-0.992
6/27/2017 5:45:29 AM	43020.001	3.407	10.804	-0.994
6/27/2017 5:46:29 AM	43080.001	3.409	10.804	-1.000
6/27/2017 5:47:29 AM	43140.001	3.406	10.805	-0.993
6/27/2017 5:48:29 AM	43200.001	3.408	10.801	-0.996
6/27/2017 5:49:29 AM	43260.001	3.408	10.804	-0.996
6/27/2017 5:50:29 AM	43320.001	3.408	10.802	-0.998
6/27/2017 5:51:29 AM	43380.001	3.407	10.806	-0.995
6/27/2017 5:52:29 AM	43440.001	3.406	10.807	-0.993
6/27/2017 5:53:29 AM	43500.001	3.406	10.805	-0.993
6/27/2017 5:54:29 AM	43560.001	3.408	10.806	-0.997
6/27/2017 5:55:29 AM	43620.001	3.408	10.810	-0.997
6/27/2017 5:56:29 AM	43680.001	3.408	10.807	-0.998
6/27/2017 5:57:29 AM	43740.001	3.407	10.807	-0.995
6/27/2017 5:58:29 AM	43800.001	3.408	10.808	-0.998
6/27/2017 5:59:29 AM	43860.001	3.408	10.807	-0.998
6/27/2017 6:00:29 AM	43920.001	3.407	10.806	-0.995
6/27/2017 6:01:29 AM	43980.001	3.409	10.807	-1.000
6/27/2017 6:02:29 AM	44040.001	3.409	10.807	-0.998
6/27/2017 6:03:29 AM	44100.001	3.409	10.806	-0.999
6/27/2017 6:04:29 AM	44160.001	3.410	10.805	-1.002
6/27/2017 6:05:29 AM	44220.001	3.408	10.808	-0.996
6/27/2017 6:06:29 AM	44280.001	3.408	10.807	-0.997
6/27/2017 6:07:29 AM	44340.001	3.409	10.807	-1.000
6/27/2017 6:08:29 AM	44400.001	3.408	10.807	-0.998
6/27/2017 6:09:29 AM	44460.001	3.408	10.809	-0.997
6/27/2017 6:10:29 AM	44520.001	3.409	10.807	-1.000
6/27/2017 6:11:29 AM	44580.001	3.410	10.807	-1.002
6/27/2017 6:12:29 AM	44640.001	3.409	10.807	-0.999
6/27/2017 6:13:29 AM	44700.001	3.411	10.806	-1.004
6/27/2017 6:14:29 AM	44760.001	3.410	10.807	-1.002
6/27/2017 6:15:29 AM	44820.001	3.411	10.808	-1.005
6/27/2017 6:16:29 AM	44880.001	3.410	10.807	-1.002
6/27/2017 6:17:29 AM	44940.001	3.411	10.808	-1.005
6/27/2017 6:18:29 AM	45000.001	3.410	10.808	-1.002
6/27/2017 6:19:29 AM	45060.001	3.410	10.805	-1.003
6/27/2017 6:20:29 AM	45120.001	3.411	10.803	-1.003
6/27/2017 6:21:29 AM	45180.001	3.411	10.809	-1.005
6/27/2017 6:22:29 AM	45240.001	3.413	10.806	-1.008
6/27/2017 6:23:29 AM	45300.001	3.412	10.809	-1.006
6/27/2017 6:24:29 AM	45360.001	3.411	10.806	-1.004

6/27/2017 6:25:29 AM	45420.001	3.412	10.809	-1.006
6/27/2017 6:26:29 AM	45480.001	3.412	10.809	-1.005
6/27/2017 6:27:29 AM	45540.001	3.412	10.808	-1.007
6/27/2017 6:28:29 AM	45600.001	3.413	10.805	-1.009
6/27/2017 6:29:29 AM	45660.001	3.413	10.809	-1.008
6/27/2017 6:30:29 AM	45720.001	3.413	10.809	-1.009
6/27/2017 6:31:29 AM	45780.001	3.411	10.810	-1.004
6/27/2017 6:32:29 AM	45840.001	3.414	10.811	-1.010
6/27/2017 6:33:29 AM	45900.001	3.413	10.810	-1.010
6/27/2017 6:34:29 AM	45960.001	3.413	10.813	-1.008
6/27/2017 6:35:29 AM	46020.001	3.412	10.812	-1.006
6/27/2017 6:36:29 AM	46080.001	3.413	10.813	-1.009
6/27/2017 6:37:29 AM	46140.001	3.413	10.813	-1.008
6/27/2017 6:38:29 AM	46200.001	3.414	10.813	-1.011
6/27/2017 6:39:29 AM	46260.001	3.414	10.814	-1.010
6/27/2017 6:40:29 AM	46320.001	3.414	10.815	-1.012
6/27/2017 6:41:29 AM	46380.001	3.414	10.816	-1.012
6/27/2017 6:42:29 AM	46440.001	3.414	10.818	-1.012
6/27/2017 6:43:29 AM	46500.001	3.415	10.815	-1.014
6/27/2017 6:44:29 AM	46560.001	3.415	10.817	-1.013
6/27/2017 6:45:29 AM	46620.001	3.415	10.814	-1.014
6/27/2017 6:46:29 AM	46680.001	3.414	10.816	-1.012
6/27/2017 6:47:29 AM	46740.001	3.416	10.816	-1.015
6/27/2017 6:48:29 AM	46800.001	3.415	10.817	-1.012
6/27/2017 6:49:29 AM	46860.001	3.415	10.813	-1.013
6/27/2017 6:50:29 AM	46920.001	3.414	10.815	-1.012
6/27/2017 6:51:29 AM	46980.001	3.415	10.813	-1.014
6/27/2017 6:52:29 AM	47040.001	3.416	10.810	-1.016
6/27/2017 6:53:29 AM	47100.001	3.416	10.813	-1.014
6/27/2017 6:54:29 AM	47160.001	3.416	10.807	-1.015
6/27/2017 6:55:29 AM	47220.001	3.416	10.808	-1.015
6/27/2017 6:56:29 AM	47280.001	3.415	10.808	-1.013
6/27/2017 6:57:29 AM	47340.001	3.416	10.808	-1.016
6/27/2017 6:58:29 AM	47400.001	3.417	10.810	-1.017
6/27/2017 6:59:29 AM	47460.001	3.417	10.807	-1.018
6/27/2017 7:00:29 AM	47520.001	3.416	10.809	-1.016
6/27/2017 7:01:29 AM	47580.001	3.417	10.810	-1.018
6/27/2017 7:02:29 AM	47640.001	3.416	10.811	-1.015
6/27/2017 7:03:29 AM	47700.001	3.417	10.809	-1.017
6/27/2017 7:04:29 AM	47760.001	3.417	10.811	-1.017
6/27/2017 7:05:29 AM	47820.001	3.417	10.809	-1.018
6/27/2017 7:06:29 AM	47880.001	3.417	10.811	-1.019
6/27/2017 7:07:29 AM	47940.001	3.418	10.809	-1.020
6/27/2017 7:08:29 AM	48000.001	3.416	10.808	-1.016
6/27/2017 7:09:29 AM	48060.001	3.419	10.812	-1.023
6/27/2017 7:10:29 AM	48120.001	3.418	10.811	-1.019
6/27/2017 7:11:29 AM	48180.001	3.420	10.814	-1.026
6/27/2017 7:12:29 AM	48240.001	3.421	10.810	-1.027
6/27/2017 7:13:29 AM	48300.001	3.417	10.814	-1.019
6/27/2017 7:14:29 AM	48360.001	3.419	10.812	-1.022
6/27/2017 7:15:29 AM	48420.001	3.417	10.811	-1.019
6/27/2017 7:16:29 AM	48480.001	3.418	10.812	-1.021
6/27/2017 7:17:29 AM	48540.001	3.419	10.808	-1.023
6/27/2017 7:18:29 AM	48600.001	3.419	10.811	-1.023
6/27/2017 7:19:29 AM	48660.001	3.420	10.814	-1.024
6/27/2017 7:20:29 AM	48720.001	3.420	10.812	-1.024
6/27/2017 7:21:29 AM	48780.001	3.420	10.811	-1.026
6/27/2017 7:22:29 AM	48840.001	3.421	10.811	-1.026
6/27/2017 7:23:29 AM	48900.001	3.419	10.812	-1.022
6/27/2017 7:24:29 AM	48960.001	3.419	10.811	-1.022
6/27/2017 7:25:29 AM	49020.001	3.421	10.814	-1.027
6/27/2017 7:26:29 AM	49080.001	3.419	10.814	-1.023
6/27/2017 7:27:29 AM	49140.001	3.421	10.814	-1.027

6/27/2017 7:28:29 AM	49200.001	3.421	10.814	-1.027
6/27/2017 7:29:29 AM	49260.001	3.421	10.813	-1.027
6/27/2017 7:30:29 AM	49320.001	3.421	10.811	-1.027
6/27/2017 7:31:29 AM	49380.001	3.422	10.813	-1.029
6/27/2017 7:32:29 AM	49440.001	3.423	10.810	-1.031
6/27/2017 7:33:29 AM	49500.001	3.422	10.816	-1.029
6/27/2017 7:34:29 AM	49560.001	3.421	10.813	-1.027
6/27/2017 7:35:29 AM	49620.001	3.421	10.812	-1.026
6/27/2017 7:36:29 AM	49680.001	3.422	10.811	-1.029
6/27/2017 7:37:29 AM	49740.001	3.423	10.814	-1.032
6/27/2017 7:38:29 AM	49800.001	3.421	10.813	-1.026
6/27/2017 7:39:29 AM	49860.001	3.421	10.810	-1.027
6/27/2017 7:40:29 AM	49920.001	3.422	10.812	-1.030
6/27/2017 7:41:29 AM	49980.001	3.421	10.809	-1.027
6/27/2017 7:42:29 AM	50040.001	3.423	10.809	-1.032
6/27/2017 7:43:29 AM	50100.001	3.422	10.810	-1.029
6/27/2017 7:44:29 AM	50160.001	3.423	10.807	-1.032
6/27/2017 7:45:29 AM	50220.001	3.424	10.810	-1.033
6/27/2017 7:46:29 AM	50280.001	3.425	10.810	-1.035
6/27/2017 7:47:29 AM	50340.001	3.423	10.810	-1.031
6/27/2017 7:48:29 AM	50400.001	3.421	10.810	-1.028
6/27/2017 7:49:29 AM	50460.001	3.423	10.810	-1.032
6/27/2017 7:50:29 AM	50520.001	3.424	10.813	-1.033
6/27/2017 7:51:29 AM	50580.001	3.424	10.814	-1.034
6/27/2017 7:52:29 AM	50640.001	3.425	10.815	-1.037
6/27/2017 7:53:29 AM	50700.001	3.424	10.811	-1.033
6/27/2017 7:54:29 AM	50760.001	3.424	10.811	-1.034
6/27/2017 7:55:29 AM	50820.001	3.424	10.813	-1.034
6/27/2017 7:56:29 AM	50880.001	3.426	10.815	-1.037
6/27/2017 7:57:29 AM	50940.001	3.426	10.816	-1.038
6/27/2017 7:58:29 AM	51000.001	3.425	10.818	-1.037
6/27/2017 7:59:29 AM	51060.001	3.425	10.820	-1.035
6/27/2017 8:00:29 AM	51120.001	3.425	10.819	-1.036
6/27/2017 8:01:29 AM	51180.001	3.425	10.819	-1.035
6/27/2017 8:02:29 AM	51240.001	3.424	10.821	-1.033
6/27/2017 8:03:29 AM	51300.001	3.426	10.819	-1.039
6/27/2017 8:04:29 AM	51360.001	3.427	10.820	-1.040
6/27/2017 8:05:29 AM	51420.001	3.426	10.818	-1.040
6/27/2017 8:06:29 AM	51480.001	3.426	10.818	-1.039
6/27/2017 8:07:29 AM	51540.001	3.426	10.817	-1.038
6/27/2017 8:08:29 AM	51600.001	3.426	10.812	-1.038
6/27/2017 8:09:29 AM	51660.001	3.426	10.816	-1.038
6/27/2017 8:10:29 AM	51720.001	3.426	10.816	-1.038
6/27/2017 8:11:29 AM	51780.001	3.427	10.810	-1.040
6/27/2017 8:12:29 AM	51840.001	3.426	10.809	-1.039
6/27/2017 8:13:29 AM	51900.001	3.425	10.809	-1.035
6/27/2017 8:14:29 AM	51960.001	3.426	10.809	-1.039
6/27/2017 8:15:29 AM	52020.001	3.427	10.808	-1.042
6/27/2017 8:16:29 AM	52080.001	3.429	10.808	-1.046
6/27/2017 8:17:29 AM	52140.001	3.426	10.809	-1.038
6/27/2017 8:18:29 AM	52200.001	3.427	10.810	-1.041
6/27/2017 8:19:29 AM	52260.001	3.427	10.811	-1.041
6/27/2017 8:20:29 AM	52320.001	3.427	10.807	-1.040
6/27/2017 8:21:29 AM	52380.001	3.428	10.810	-1.042
6/27/2017 8:22:29 AM	52440.001	3.428	10.811	-1.043
6/27/2017 8:23:29 AM	52500.001	3.428	10.809	-1.043
6/27/2017 8:24:29 AM	52560.001	3.428	10.808	-1.043
6/27/2017 8:25:29 AM	52620.001	3.428	10.809	-1.043
6/27/2017 8:26:29 AM	52680.001	3.428	10.809	-1.043
6/27/2017 8:27:29 AM	52740.001	3.429	10.809	-1.046
6/27/2017 8:28:29 AM	52800.001	3.429	10.809	-1.044
6/27/2017 8:29:29 AM	52860.001	3.429	10.809	-1.045
6/27/2017 8:30:29 AM	52920.001	3.431	10.808	-1.049

6/27/2017 8:31:29 AM	52980.001	3.429	10.808	-1.046
6/27/2017 8:32:29 AM	53040.001	3.429	10.808	-1.045
6/27/2017 8:33:29 AM	53100.001	3.430	10.809	-1.047
6/27/2017 8:34:29 AM	53160.001	3.430	10.807	-1.047
6/27/2017 8:35:29 AM	53220.001	3.430	10.810	-1.048
6/27/2017 8:36:29 AM	53280.001	3.430	10.808	-1.048
6/27/2017 8:37:29 AM	53340.001	3.431	10.809	-1.049
6/27/2017 8:38:29 AM	53400.001	3.429	10.809	-1.046
6/27/2017 8:39:29 AM	53460.001	3.432	10.812	-1.053
6/27/2017 8:40:29 AM	53520.001	3.430	10.816	-1.048
6/27/2017 8:41:29 AM	53580.001	3.431	10.813	-1.049
6/27/2017 8:42:29 AM	53640.001	3.429	10.816	-1.046
6/27/2017 8:43:29 AM	53700.001	3.431	10.817	-1.049
6/27/2017 8:44:29 AM	53760.001	3.430	10.816	-1.049
6/27/2017 8:45:29 AM	53820.001	3.431	10.814	-1.049
6/27/2017 8:46:29 AM	53880.001	3.430	10.815	-1.048
6/27/2017 8:47:29 AM	53940.001	3.430	10.815	-1.049
6/27/2017 8:48:29 AM	54000.001	3.432	10.815	-1.051
6/27/2017 8:49:29 AM	54060.001	3.431	10.816	-1.051
6/27/2017 8:50:29 AM	54120.001	3.432	10.816	-1.052
6/27/2017 8:51:29 AM	54180.001	3.433	10.814	-1.054
6/27/2017 8:52:29 AM	54240.001	3.433	10.816	-1.054
6/27/2017 8:53:29 AM	54300.001	3.431	10.816	-1.051
6/27/2017 8:54:29 AM	54360.001	3.431	10.816	-1.051
6/27/2017 8:55:29 AM	54420.001	3.431	10.812	-1.051
6/27/2017 8:56:29 AM	54480.001	3.432	10.813	-1.051
6/27/2017 8:57:29 AM	54540.001	3.433	10.813	-1.055
6/27/2017 8:58:29 AM	54600.001	3.433	10.810	-1.054
6/27/2017 8:59:29 AM	54660.001	3.433	10.813	-1.054
6/27/2017 9:00:29 AM	54720.001	3.433	10.811	-1.055
6/27/2017 9:01:29 AM	54780.001	3.434	10.810	-1.056
6/27/2017 9:02:29 AM	54840.001	3.434	10.811	-1.057
6/27/2017 9:03:29 AM	54900.001	3.433	10.812	-1.055
6/27/2017 9:04:29 AM	54960.001	3.432	10.815	-1.053
6/27/2017 9:05:29 AM	55020.001	3.433	10.815	-1.056
6/27/2017 9:06:29 AM	55080.001	3.434	10.813	-1.056
6/27/2017 9:07:29 AM	55140.001	3.435	10.814	-1.059
6/27/2017 9:08:29 AM	55200.001	3.432	10.816	-1.053
6/27/2017 9:09:29 AM	55260.001	3.433	10.821	-1.055
6/27/2017 9:10:29 AM	55320.001	3.435	10.818	-1.058
6/27/2017 9:11:29 AM	55380.001	3.435	10.819	-1.059
6/27/2017 9:12:29 AM	55440.001	3.436	10.819	-1.061
6/27/2017 9:13:29 AM	55500.001	3.434	10.820	-1.056
6/27/2017 9:14:29 AM	55560.001	3.434	10.819	-1.057
6/27/2017 9:15:29 AM	55620.001	3.434	10.819	-1.058
6/27/2017 9:16:29 AM	55680.001	3.436	10.833	-1.062
6/27/2017 9:17:29 AM	55740.001	3.434	10.827	-1.057
6/27/2017 9:18:30 AM	55800.118	3.433	10.855	-1.056

Report Date: 7/10/2017 9:14:59 AM
Report User Name: dalmond
Report Computer Name: PINEWRKMA25-PC
Application: WinSitu.exe
Application Version: 5.6.25.0

Log File Properties:
File Name: CH MW-019 RH1_2017-07-10_09-14-54-485.wsl
Create Date: 7/10/2017 9:14:21 AM

Device Properties:
Device: Level TROLL 700
Site: Camp Hero
Device Name:
Serial Number: 169305
Firmware Version: 2.09
Hardware Version: 3
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 29
Used Battery(%): 41

Log Configuration
Log Name: CH MW-019 RH1
Created By: Unknown
Computer Name: Pocket PC
Application: WinSituMobile.exe
Application Version: 5.6.0.10
Create Date: 3/8/2006 4:27:53 AM Eastern Standard Time
Log Setup Time Zone: Eastern Standard Time
Notes Size(bytes): 4096
Overwrite when full: Disabled
Scheduled Start Time: Manual Start
Scheduled Stop Time: No Stop Time
Type: Step Test
Steps: 2 (Linear)
Step: 1
Duration: Days: 0 hrs: 00 mins: 05 secs: 00
Interval: Days: 0 hrs: 00 mins: 00 secs: 05
Step: 2
Duration: Days: 0 hrs: 10 mins: 00 secs: 00
Interval: Days: 0 hrs: 00 mins: 01 secs: 00

Level Reference Settings At Log Creation
Level Measurement Mode: Level Depth To Water
Specific Gravity: 0.999
Level Reference Mode: Set new reference
Level Reference Value: 0 (ft)
Level Reference Head Pressure: 2.97986 (PSI)

Other Log Settings
Depth of Probe: 6.8811 (ft)
Head Pressure: 2.98016 (PSI)
Temperature: 10.9105 (C)

Log Notes:

Date and Time	Note
6/26/2017 10:04:28 AM	Used Battery: 41% Used Memory: 31% User Name: Unknown
6/26/2017 10:09:15 AM	Manual Start Command
6/26/2017 5:26:26 PM	Used Battery: 41% Used Memory: 31% User Name: Unknown
6/26/2017 5:26:27 PM	Manual Stop Command

Log Data:
Record Count: 493
Sensors: 1
1 - 169305: Pressure/Temp 30 PSIG (21m/69ft)
Time Zone: Eastern Daylight Time

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 69ft SN#: 169305 Pressure (PSI)	Sensor: Pres(G) 69ft SN#: 169305 Temperature (C)	Sensor: Pres(G) 69ft SN#: 169305 Level Depth To Water (ft)
6/26/2017 10:09:16 AM	0.000	2.995	10.789	-0.036
6/26/2017 10:09:21 AM	5.000	2.993	10.794	-0.031
6/26/2017 10:09:26 AM	10.000	2.797	10.793	0.422
6/26/2017 10:09:31 AM	15.000	2.794	10.793	0.428
6/26/2017 10:09:36 AM	20.000	2.822	10.795	0.364
6/26/2017 10:09:41 AM	25.000	2.838	10.794	0.328
6/26/2017 10:09:46 AM	30.000	2.850	10.797	0.299
6/26/2017 10:09:51 AM	35.000	2.856	10.794	0.285
6/26/2017 10:09:56 AM	40.000	2.863	10.794	0.270
6/26/2017 10:10:01 AM	45.000	2.865	10.797	0.266
6/26/2017 10:10:06 AM	50.000	2.866	10.795	0.262
6/26/2017 10:10:11 AM	55.000	2.868	10.795	0.258
6/26/2017 10:10:16 AM	60.000	2.871	10.797	0.252
6/26/2017 10:10:21 AM	65.000	2.871	10.798	0.251
6/26/2017 10:10:26 AM	70.000	2.872	10.797	0.248
6/26/2017 10:10:31 AM	75.000	2.872	10.797	0.249
6/26/2017 10:10:36 AM	80.000	2.872	10.796	0.249
6/26/2017 10:10:41 AM	85.000	2.873	10.797	0.247
6/26/2017 10:10:46 AM	90.000	2.875	10.796	0.241
6/26/2017 10:10:51 AM	95.000	2.873	10.796	0.246
6/26/2017 10:10:56 AM	100.000	2.872	10.794	0.249
6/26/2017 10:11:01 AM	105.000	2.874	10.796	0.245
6/26/2017 10:11:06 AM	110.000	2.874	10.797	0.243
6/26/2017 10:11:11 AM	115.000	2.874	10.793	0.244
6/26/2017 10:11:16 AM	120.000	2.875	10.795	0.242
6/26/2017 10:11:21 AM	125.000	2.874	10.795	0.245
6/26/2017 10:11:26 AM	130.000	2.877	10.792	0.237
6/26/2017 10:11:31 AM	135.000	2.876	10.793	0.240
6/26/2017 10:11:36 AM	140.000	2.876	10.790	0.239
6/26/2017 10:11:41 AM	145.000	2.878	10.790	0.235
6/26/2017 10:11:46 AM	150.000	2.878	10.792	0.236
6/26/2017 10:11:51 AM	155.000	2.875	10.793	0.242
6/26/2017 10:11:56 AM	160.000	2.877	10.790	0.236
6/26/2017 10:12:01 AM	165.000	2.878	10.790	0.235
6/26/2017 10:12:06 AM	170.000	2.878	10.787	0.235
6/26/2017 10:12:11 AM	175.000	2.877	10.787	0.237
6/26/2017 10:12:16 AM	180.000	2.878	10.790	0.236
6/26/2017 10:12:21 AM	185.000	2.875	10.786	0.241
6/26/2017 10:12:26 AM	190.000	2.878	10.789	0.234
6/26/2017 10:12:31 AM	195.000	2.879	10.789	0.234
6/26/2017 10:12:36 AM	200.000	2.878	10.787	0.235
6/26/2017 10:12:41 AM	205.000	2.879	10.787	0.233
6/26/2017 10:12:46 AM	210.000	2.879	10.786	0.233
6/26/2017 10:12:51 AM	215.000	2.878	10.786	0.235

6/26/2017 10:12:56 AM	220.000	2.879	10.787	0.232
6/26/2017 10:13:01 AM	225.000	2.879	10.788	0.232
6/26/2017 10:13:06 AM	230.000	2.880	10.785	0.231
6/26/2017 10:13:11 AM	235.000	2.878	10.785	0.235
6/26/2017 10:13:16 AM	240.000	2.880	10.789	0.230
6/26/2017 10:13:21 AM	245.000	2.880	10.786	0.231
6/26/2017 10:13:26 AM	250.000	2.881	10.785	0.229
6/26/2017 10:13:31 AM	255.000	2.880	10.785	0.230
6/26/2017 10:13:36 AM	260.000	2.880	10.783	0.230
6/26/2017 10:13:41 AM	265.000	2.880	10.784	0.232
6/26/2017 10:13:46 AM	270.000	2.880	10.784	0.230
6/26/2017 10:13:51 AM	275.000	2.881	10.782	0.229
6/26/2017 10:13:56 AM	280.000	2.881	10.783	0.229
6/26/2017 10:14:01 AM	285.000	2.882	10.781	0.227
6/26/2017 10:14:06 AM	290.000	2.881	10.783	0.228
6/26/2017 10:14:11 AM	295.000	2.880	10.781	0.231
6/26/2017 10:14:16 AM	300.000	2.882	10.782	0.227
6/26/2017 10:15:16 AM	360.001	2.882	10.771	0.226
6/26/2017 10:16:16 AM	420.001	2.883	10.766	0.223
6/26/2017 10:17:16 AM	480.001	2.885	10.761	0.218
6/26/2017 10:18:16 AM	540.001	2.886	10.763	0.218
6/26/2017 10:19:16 AM	600.001	2.885	10.760	0.218
6/26/2017 10:20:16 AM	660.001	2.887	10.755	0.214
6/26/2017 10:21:16 AM	720.001	2.886	10.750	0.216
6/26/2017 10:22:16 AM	780.001	2.887	10.751	0.215
6/26/2017 10:23:16 AM	840.001	2.890	10.749	0.207
6/26/2017 10:24:16 AM	900.001	2.888	10.745	0.212
6/26/2017 10:25:16 AM	960.001	2.890	10.747	0.207
6/26/2017 10:26:16 AM	1020.001	2.890	10.743	0.207
6/26/2017 10:27:16 AM	1080.001	2.890	10.741	0.207
6/26/2017 10:28:16 AM	1140.001	2.892	10.746	0.203
6/26/2017 10:29:16 AM	1200.001	2.891	10.743	0.205
6/26/2017 10:30:16 AM	1260.001	2.892	10.745	0.203
6/26/2017 10:31:16 AM	1320.001	2.893	10.747	0.202
6/26/2017 10:32:16 AM	1380.001	2.893	10.743	0.201
6/26/2017 10:33:16 AM	1440.001	2.893	10.742	0.201
6/26/2017 10:34:16 AM	1500.001	2.892	10.742	0.202
6/26/2017 10:35:16 AM	1560.001	2.893	10.741	0.200
6/26/2017 10:36:16 AM	1620.001	2.894	10.740	0.199
6/26/2017 10:37:16 AM	1680.001	2.893	10.737	0.200
6/26/2017 10:38:16 AM	1740.001	2.895	10.735	0.196
6/26/2017 10:39:16 AM	1800.001	2.895	10.730	0.196
6/26/2017 10:40:16 AM	1860.001	2.895	10.731	0.196
6/26/2017 10:41:16 AM	1920.001	2.895	10.729	0.196
6/26/2017 10:42:16 AM	1980.001	2.897	10.729	0.191
6/26/2017 10:43:16 AM	2040.001	2.896	10.725	0.193
6/26/2017 10:44:16 AM	2100.001	2.898	10.730	0.190
6/26/2017 10:45:16 AM	2160.001	2.897	10.725	0.190
6/26/2017 10:46:16 AM	2220.001	2.898	10.726	0.189
6/26/2017 10:47:16 AM	2280.001	2.899	10.725	0.186
6/26/2017 10:48:16 AM	2340.001	2.897	10.722	0.190
6/26/2017 10:49:16 AM	2400.001	2.900	10.724	0.183
6/26/2017 10:50:16 AM	2460.001	2.900	10.725	0.185
6/26/2017 10:51:16 AM	2520.001	2.900	10.724	0.185
6/26/2017 10:52:16 AM	2580.001	2.898	10.720	0.188
6/26/2017 10:53:16 AM	2640.001	2.900	10.723	0.184
6/26/2017 10:54:16 AM	2700.001	2.900	10.724	0.184
6/26/2017 10:55:16 AM	2760.001	2.902	10.725	0.180
6/26/2017 10:56:16 AM	2820.001	2.901	10.719	0.181
6/26/2017 10:57:16 AM	2880.001	2.900	10.723	0.184
6/26/2017 10:58:16 AM	2940.001	2.903	10.725	0.177
6/26/2017 10:59:16 AM	3000.001	2.902	10.723	0.179
6/26/2017 11:00:16 AM	3060.001	2.901	10.723	0.182

6/26/2017 11:01:16 AM	3120.001	2.903	10.724	0.178
6/26/2017 11:02:16 AM	3180.001	2.905	10.722	0.173
6/26/2017 11:03:16 AM	3240.001	2.904	10.722	0.176
6/26/2017 11:04:16 AM	3300.001	2.905	10.724	0.173
6/26/2017 11:05:16 AM	3360.001	2.902	10.728	0.179
6/26/2017 11:06:16 AM	3420.001	2.905	10.728	0.173
6/26/2017 11:07:16 AM	3480.001	2.904	10.726	0.175
6/26/2017 11:08:16 AM	3540.001	2.906	10.727	0.170
6/26/2017 11:09:16 AM	3600.001	2.906	10.727	0.171
6/26/2017 11:10:16 AM	3660.001	2.905	10.727	0.172
6/26/2017 11:11:16 AM	3720.001	2.907	10.726	0.169
6/26/2017 11:12:16 AM	3780.001	2.906	10.729	0.170
6/26/2017 11:13:16 AM	3840.001	2.907	10.731	0.169
6/26/2017 11:14:16 AM	3900.001	2.907	10.731	0.167
6/26/2017 11:15:16 AM	3960.001	2.907	10.730	0.168
6/26/2017 11:16:16 AM	4020.001	2.909	10.729	0.164
6/26/2017 11:17:16 AM	4080.001	2.908	10.731	0.165
6/26/2017 11:18:16 AM	4140.001	2.907	10.733	0.168
6/26/2017 11:19:16 AM	4200.001	2.907	10.735	0.168
6/26/2017 11:20:16 AM	4260.001	2.909	10.737	0.163
6/26/2017 11:21:16 AM	4320.001	2.909	10.734	0.163
6/26/2017 11:22:16 AM	4380.001	2.910	10.734	0.161
6/26/2017 11:23:16 AM	4440.001	2.912	10.737	0.157
6/26/2017 11:24:16 AM	4500.001	2.912	10.734	0.157
6/26/2017 11:25:16 AM	4560.001	2.910	10.733	0.162
6/26/2017 11:26:16 AM	4620.001	2.908	10.736	0.165
6/26/2017 11:27:16 AM	4680.001	2.911	10.735	0.159
6/26/2017 11:28:16 AM	4740.001	2.912	10.737	0.157
6/26/2017 11:29:16 AM	4800.001	2.911	10.735	0.160
6/26/2017 11:30:16 AM	4860.001	2.911	10.738	0.158
6/26/2017 11:31:16 AM	4920.001	2.912	10.736	0.157
6/26/2017 11:32:16 AM	4980.001	2.912	10.734	0.156
6/26/2017 11:33:16 AM	5040.001	2.913	10.733	0.155
6/26/2017 11:34:16 AM	5100.001	2.912	10.734	0.157
6/26/2017 11:35:16 AM	5160.001	2.914	10.735	0.153
6/26/2017 11:36:16 AM	5220.001	2.913	10.733	0.154
6/26/2017 11:37:16 AM	5280.001	2.911	10.733	0.158
6/26/2017 11:38:16 AM	5340.001	2.914	10.734	0.153
6/26/2017 11:39:16 AM	5400.001	2.914	10.738	0.151
6/26/2017 11:40:16 AM	5460.001	2.913	10.737	0.155
6/26/2017 11:41:16 AM	5520.001	2.915	10.738	0.149
6/26/2017 11:42:16 AM	5580.001	2.917	10.737	0.146
6/26/2017 11:43:16 AM	5640.001	2.914	10.738	0.151
6/26/2017 11:44:16 AM	5700.001	2.917	10.735	0.146
6/26/2017 11:45:16 AM	5760.001	2.915	10.737	0.151
6/26/2017 11:46:16 AM	5820.001	2.916	10.737	0.146
6/26/2017 11:47:16 AM	5880.001	2.918	10.737	0.144
6/26/2017 11:48:16 AM	5940.001	2.916	10.740	0.149
6/26/2017 11:49:16 AM	6000.001	2.917	10.741	0.146
6/26/2017 11:50:16 AM	6060.001	2.918	10.742	0.144
6/26/2017 11:51:16 AM	6120.001	2.917	10.744	0.145
6/26/2017 11:52:16 AM	6180.001	2.919	10.745	0.142
6/26/2017 11:53:16 AM	6240.001	2.919	10.747	0.141
6/26/2017 11:54:16 AM	6300.001	2.917	10.747	0.145
6/26/2017 11:55:16 AM	6360.001	2.919	10.746	0.140
6/26/2017 11:56:16 AM	6420.001	2.919	10.743	0.140
6/26/2017 11:57:16 AM	6480.001	2.919	10.744	0.141
6/26/2017 11:58:16 AM	6540.001	2.919	10.746	0.140
6/26/2017 11:59:16 AM	6600.001	2.917	10.741	0.144
6/26/2017 12:00:16 PM	6660.001	2.921	10.743	0.136
6/26/2017 12:01:16 PM	6720.001	2.919	10.744	0.140
6/26/2017 12:02:16 PM	6780.001	2.919	10.744	0.140
6/26/2017 12:03:16 PM	6840.001	2.921	10.744	0.136

6/26/2017 12:04:16 PM	6900.001	2.920	10.744	0.138
6/26/2017 12:05:16 PM	6960.001	2.921	10.747	0.136
6/26/2017 12:06:16 PM	7020.001	2.921	10.742	0.137
6/26/2017 12:07:16 PM	7080.001	2.921	10.742	0.136
6/26/2017 12:08:16 PM	7140.001	2.922	10.744	0.134
6/26/2017 12:09:16 PM	7200.001	2.921	10.745	0.136
6/26/2017 12:10:16 PM	7260.001	2.922	10.745	0.134
6/26/2017 12:11:16 PM	7320.001	2.923	10.743	0.131
6/26/2017 12:12:16 PM	7380.001	2.923	10.742	0.132
6/26/2017 12:13:16 PM	7440.001	2.923	10.744	0.130
6/26/2017 12:14:16 PM	7500.001	2.924	10.745	0.128
6/26/2017 12:15:16 PM	7560.001	2.924	10.747	0.130
6/26/2017 12:16:16 PM	7620.001	2.923	10.745	0.132
6/26/2017 12:17:16 PM	7680.001	2.924	10.744	0.129
6/26/2017 12:18:16 PM	7740.001	2.923	10.742	0.131
6/26/2017 12:19:16 PM	7800.001	2.925	10.746	0.127
6/26/2017 12:20:16 PM	7860.001	2.924	10.748	0.129
6/26/2017 12:21:16 PM	7920.001	2.924	10.747	0.128
6/26/2017 12:22:16 PM	7980.001	2.925	10.747	0.126
6/26/2017 12:23:16 PM	8040.001	2.925	10.746	0.127
6/26/2017 12:24:16 PM	8100.001	2.926	10.745	0.125
6/26/2017 12:25:16 PM	8160.001	2.925	10.744	0.126
6/26/2017 12:26:16 PM	8220.001	2.926	10.749	0.125
6/26/2017 12:27:16 PM	8280.001	2.926	10.744	0.124
6/26/2017 12:28:16 PM	8340.001	2.927	10.745	0.123
6/26/2017 12:29:16 PM	8400.001	2.927	10.747	0.122
6/26/2017 12:30:16 PM	8460.001	2.928	10.749	0.120
6/26/2017 12:31:16 PM	8520.001	2.929	10.748	0.117
6/26/2017 12:32:16 PM	8580.001	2.928	10.749	0.120
6/26/2017 12:33:16 PM	8640.001	2.929	10.749	0.118
6/26/2017 12:34:16 PM	8700.001	2.929	10.751	0.118
6/26/2017 12:35:16 PM	8760.001	2.930	10.748	0.116
6/26/2017 12:36:16 PM	8820.001	2.929	10.748	0.119
6/26/2017 12:37:16 PM	8880.001	2.930	10.748	0.115
6/26/2017 12:38:16 PM	8940.001	2.931	10.748	0.114
6/26/2017 12:39:16 PM	9000.001	2.931	10.749	0.113
6/26/2017 12:40:16 PM	9060.001	2.930	10.750	0.116
6/26/2017 12:41:16 PM	9120.001	2.930	10.747	0.115
6/26/2017 12:42:16 PM	9180.001	2.931	10.749	0.112
6/26/2017 12:43:16 PM	9240.001	2.931	10.749	0.114
6/26/2017 12:44:16 PM	9300.001	2.931	10.749	0.113
6/26/2017 12:45:16 PM	9360.001	2.931	10.748	0.113
6/26/2017 12:46:16 PM	9420.001	2.931	10.747	0.113
6/26/2017 12:47:16 PM	9480.001	2.933	10.743	0.108
6/26/2017 12:48:16 PM	9540.001	2.933	10.744	0.109
6/26/2017 12:49:16 PM	9600.001	2.931	10.742	0.112
6/26/2017 12:50:16 PM	9660.001	2.931	10.745	0.112
6/26/2017 12:51:16 PM	9720.001	2.932	10.746	0.111
6/26/2017 12:52:16 PM	9780.001	2.933	10.748	0.109
6/26/2017 12:53:16 PM	9840.001	2.933	10.749	0.109
6/26/2017 12:54:16 PM	9900.001	2.934	10.749	0.107
6/26/2017 12:55:16 PM	9960.001	2.933	10.750	0.108
6/26/2017 12:56:16 PM	10020.001	2.934	10.751	0.106
6/26/2017 12:57:16 PM	10080.001	2.934	10.754	0.106
6/26/2017 12:58:16 PM	10140.001	2.935	10.750	0.103
6/26/2017 12:59:16 PM	10200.001	2.933	10.750	0.107
6/26/2017 1:00:16 PM	10260.001	2.935	10.750	0.104
6/26/2017 1:01:16 PM	10320.001	2.934	10.748	0.105
6/26/2017 1:02:16 PM	10380.001	2.936	10.749	0.102
6/26/2017 1:03:16 PM	10440.001	2.935	10.749	0.104
6/26/2017 1:04:16 PM	10500.001	2.936	10.747	0.101
6/26/2017 1:05:16 PM	10560.001	2.935	10.745	0.104
6/26/2017 1:06:16 PM	10620.001	2.936	10.747	0.101

6/26/2017 1:07:16 PM	10680.001	2.937	10.747	0.100
6/26/2017 1:08:16 PM	10740.001	2.936	10.744	0.101
6/26/2017 1:09:16 PM	10800.001	2.937	10.744	0.099
6/26/2017 1:10:16 PM	10860.001	2.937	10.743	0.100
6/26/2017 1:11:16 PM	10920.001	2.937	10.747	0.099
6/26/2017 1:12:16 PM	10980.001	2.939	10.747	0.094
6/26/2017 1:13:16 PM	11040.001	2.937	10.748	0.098
6/26/2017 1:14:16 PM	11100.001	2.938	10.750	0.096
6/26/2017 1:15:16 PM	11160.001	2.938	10.750	0.097
6/26/2017 1:16:16 PM	11220.001	2.937	10.745	0.098
6/26/2017 1:17:16 PM	11280.001	2.939	10.749	0.094
6/26/2017 1:18:16 PM	11340.001	2.939	10.749	0.095
6/26/2017 1:19:16 PM	11400.001	2.939	10.751	0.094
6/26/2017 1:20:16 PM	11460.001	2.941	10.752	0.090
6/26/2017 1:21:16 PM	11520.001	2.940	10.753	0.093
6/26/2017 1:22:16 PM	11580.001	2.942	10.750	0.087
6/26/2017 1:23:16 PM	11640.001	2.941	10.746	0.091
6/26/2017 1:24:16 PM	11700.001	2.941	10.744	0.089
6/26/2017 1:25:16 PM	11760.001	2.942	10.751	0.088
6/26/2017 1:26:16 PM	11820.001	2.941	10.747	0.090
6/26/2017 1:27:16 PM	11880.001	2.941	10.749	0.091
6/26/2017 1:28:16 PM	11940.001	2.941	10.750	0.089
6/26/2017 1:29:16 PM	12000.001	2.941	10.749	0.089
6/26/2017 1:30:16 PM	12060.001	2.939	10.752	0.094
6/26/2017 1:31:16 PM	12120.001	2.941	10.750	0.089
6/26/2017 1:32:16 PM	12180.001	2.941	10.751	0.090
6/26/2017 1:33:16 PM	12240.001	2.943	10.753	0.085
6/26/2017 1:34:16 PM	12300.001	2.944	10.751	0.084
6/26/2017 1:35:16 PM	12360.001	2.943	10.752	0.085
6/26/2017 1:36:16 PM	12420.001	2.943	10.752	0.085
6/26/2017 1:37:16 PM	12480.001	2.943	10.751	0.085
6/26/2017 1:38:16 PM	12540.001	2.943	10.751	0.085
6/26/2017 1:39:16 PM	12600.001	2.944	10.752	0.082
6/26/2017 1:40:16 PM	12660.001	2.945	10.752	0.081
6/26/2017 1:41:16 PM	12720.001	2.945	10.755	0.081
6/26/2017 1:42:16 PM	12780.001	2.944	10.753	0.083
6/26/2017 1:43:16 PM	12840.001	2.944	10.755	0.082
6/26/2017 1:44:16 PM	12900.001	2.944	10.755	0.083
6/26/2017 1:45:16 PM	12960.001	2.945	10.755	0.081
6/26/2017 1:46:16 PM	13020.001	2.946	10.755	0.079
6/26/2017 1:47:16 PM	13080.001	2.945	10.755	0.079
6/26/2017 1:48:16 PM	13140.001	2.948	10.757	0.074
6/26/2017 1:49:16 PM	13200.001	2.946	10.757	0.079
6/26/2017 1:50:16 PM	13260.001	2.946	10.760	0.079
6/26/2017 1:51:16 PM	13320.001	2.946	10.758	0.078
6/26/2017 1:52:16 PM	13380.001	2.946	10.761	0.079
6/26/2017 1:53:16 PM	13440.001	2.946	10.759	0.078
6/26/2017 1:54:16 PM	13500.001	2.948	10.759	0.074
6/26/2017 1:55:16 PM	13560.001	2.947	10.756	0.075
6/26/2017 1:56:16 PM	13620.001	2.947	10.758	0.075
6/26/2017 1:57:16 PM	13680.001	2.949	10.756	0.072
6/26/2017 1:58:16 PM	13740.001	2.949	10.756	0.072
6/26/2017 1:59:16 PM	13800.001	2.949	10.759	0.070
6/26/2017 2:00:16 PM	13860.001	2.948	10.759	0.073
6/26/2017 2:01:16 PM	13920.001	2.947	10.758	0.075
6/26/2017 2:02:16 PM	13980.001	2.947	10.759	0.075
6/26/2017 2:03:16 PM	14040.001	2.949	10.760	0.070
6/26/2017 2:04:16 PM	14100.001	2.950	10.756	0.070
6/26/2017 2:05:16 PM	14160.001	2.950	10.756	0.068
6/26/2017 2:06:16 PM	14220.001	2.950	10.757	0.069
6/26/2017 2:07:16 PM	14280.001	2.951	10.757	0.065
6/26/2017 2:08:16 PM	14340.001	2.951	10.758	0.066
6/26/2017 2:09:16 PM	14400.001	2.951	10.757	0.066

6/26/2017 2:10:16 PM	14460.001	2.950	10.755	0.068
6/26/2017 2:11:16 PM	14520.001	2.951	10.752	0.067
6/26/2017 2:12:16 PM	14580.001	2.952	10.751	0.063
6/26/2017 2:13:16 PM	14640.001	2.952	10.752	0.065
6/26/2017 2:14:16 PM	14700.001	2.954	10.754	0.060
6/26/2017 2:15:16 PM	14760.001	2.953	10.752	0.062
6/26/2017 2:16:16 PM	14820.001	2.953	10.750	0.063
6/26/2017 2:17:16 PM	14880.001	2.953	10.749	0.062
6/26/2017 2:18:16 PM	14940.001	2.953	10.754	0.062
6/26/2017 2:19:16 PM	15000.001	2.954	10.754	0.060
6/26/2017 2:20:16 PM	15060.001	2.953	10.750	0.063
6/26/2017 2:21:16 PM	15120.001	2.952	10.757	0.064
6/26/2017 2:22:16 PM	15180.001	2.952	10.754	0.064
6/26/2017 2:23:16 PM	15240.001	2.954	10.754	0.060
6/26/2017 2:24:16 PM	15300.001	2.954	10.753	0.059
6/26/2017 2:25:16 PM	15360.001	2.954	10.751	0.059
6/26/2017 2:26:16 PM	15420.001	2.954	10.749	0.061
6/26/2017 2:27:16 PM	15480.001	2.955	10.749	0.058
6/26/2017 2:28:16 PM	15540.001	2.955	10.749	0.058
6/26/2017 2:29:16 PM	15600.001	2.955	10.749	0.057
6/26/2017 2:30:16 PM	15660.001	2.956	10.751	0.055
6/26/2017 2:31:16 PM	15720.001	2.954	10.752	0.060
6/26/2017 2:32:16 PM	15780.001	2.955	10.753	0.058
6/26/2017 2:33:16 PM	15840.001	2.956	10.749	0.055
6/26/2017 2:34:16 PM	15900.001	2.956	10.752	0.056
6/26/2017 2:35:16 PM	15960.001	2.955	10.750	0.057
6/26/2017 2:36:16 PM	16020.001	2.958	10.751	0.051
6/26/2017 2:37:16 PM	16080.001	2.957	10.750	0.053
6/26/2017 2:38:16 PM	16140.001	2.957	10.755	0.052
6/26/2017 2:39:16 PM	16200.001	2.958	10.750	0.051
6/26/2017 2:40:16 PM	16260.001	2.958	10.749	0.051
6/26/2017 2:41:16 PM	16320.001	2.958	10.750	0.050
6/26/2017 2:42:16 PM	16380.001	2.958	10.753	0.051
6/26/2017 2:43:16 PM	16440.001	2.958	10.750	0.049
6/26/2017 2:44:16 PM	16500.001	2.960	10.749	0.045
6/26/2017 2:45:16 PM	16560.001	2.959	10.751	0.047
6/26/2017 2:46:16 PM	16620.001	2.959	10.750	0.048
6/26/2017 2:47:16 PM	16680.001	2.960	10.750	0.046
6/26/2017 2:48:16 PM	16740.001	2.959	10.749	0.048
6/26/2017 2:49:16 PM	16800.001	2.960	10.752	0.047
6/26/2017 2:50:16 PM	16860.001	2.961	10.752	0.044
6/26/2017 2:51:16 PM	16920.001	2.961	10.751	0.044
6/26/2017 2:52:16 PM	16980.001	2.960	10.753	0.045
6/26/2017 2:53:16 PM	17040.001	2.958	10.750	0.050
6/26/2017 2:54:16 PM	17100.001	2.962	10.749	0.040
6/26/2017 2:55:16 PM	17160.001	2.960	10.753	0.046
6/26/2017 2:56:16 PM	17220.001	2.961	10.750	0.043
6/26/2017 2:57:16 PM	17280.001	2.961	10.749	0.044
6/26/2017 2:58:16 PM	17340.001	2.963	10.750	0.039
6/26/2017 2:59:16 PM	17400.001	2.961	10.752	0.044
6/26/2017 3:00:16 PM	17460.001	2.962	10.749	0.041
6/26/2017 3:01:16 PM	17520.001	2.962	10.750	0.041
6/26/2017 3:02:16 PM	17580.001	2.963	10.749	0.038
6/26/2017 3:03:16 PM	17640.001	2.963	10.751	0.039
6/26/2017 3:04:16 PM	17700.001	2.962	10.751	0.041
6/26/2017 3:05:16 PM	17760.001	2.964	10.752	0.038
6/26/2017 3:06:16 PM	17820.001	2.964	10.752	0.037
6/26/2017 3:07:16 PM	17880.001	2.962	10.748	0.040
6/26/2017 3:08:16 PM	17940.001	2.963	10.747	0.039
6/26/2017 3:09:16 PM	18000.001	2.963	10.750	0.039
6/26/2017 3:10:16 PM	18060.001	2.964	10.749	0.036
6/26/2017 3:11:16 PM	18120.001	2.964	10.749	0.036
6/26/2017 3:12:16 PM	18180.001	2.965	10.744	0.035

6/26/2017 3:13:16 PM	18240.001	2.965	10.747	0.034
6/26/2017 3:14:16 PM	18300.001	2.965	10.745	0.035
6/26/2017 3:15:16 PM	18360.001	2.965	10.748	0.034
6/26/2017 3:16:16 PM	18420.001	2.965	10.749	0.035
6/26/2017 3:17:16 PM	18480.001	2.965	10.749	0.034
6/26/2017 3:18:16 PM	18540.001	2.967	10.750	0.030
6/26/2017 3:19:16 PM	18600.001	2.967	10.751	0.031
6/26/2017 3:20:16 PM	18660.001	2.966	10.756	0.031
6/26/2017 3:21:16 PM	18720.001	2.967	10.755	0.029
6/26/2017 3:22:16 PM	18780.001	2.963	10.751	0.040
6/26/2017 3:23:16 PM	18840.001	2.967	10.751	0.031
6/26/2017 3:24:16 PM	18900.001	2.966	10.750	0.031
6/26/2017 3:25:16 PM	18960.001	2.966	10.751	0.032
6/26/2017 3:26:16 PM	19020.001	2.966	10.749	0.033
6/26/2017 3:27:16 PM	19080.001	2.968	10.747	0.028
6/26/2017 3:28:16 PM	19140.001	2.968	10.749	0.028
6/26/2017 3:29:16 PM	19200.001	2.968	10.750	0.027
6/26/2017 3:30:16 PM	19260.001	2.969	10.752	0.025
6/26/2017 3:31:16 PM	19320.001	2.969	10.753	0.026
6/26/2017 3:32:16 PM	19380.001	2.967	10.751	0.029
6/26/2017 3:33:16 PM	19440.001	2.969	10.751	0.026
6/26/2017 3:34:16 PM	19500.001	2.969	10.752	0.025
6/26/2017 3:35:16 PM	19560.001	2.969	10.748	0.026
6/26/2017 3:36:16 PM	19620.001	2.970	10.750	0.022
6/26/2017 3:37:16 PM	19680.001	2.969	10.747	0.025
6/26/2017 3:38:16 PM	19740.001	2.971	10.751	0.021
6/26/2017 3:39:16 PM	19800.001	2.970	10.751	0.022
6/26/2017 3:40:16 PM	19860.001	2.969	10.755	0.025
6/26/2017 3:41:16 PM	19920.001	2.970	10.753	0.023
6/26/2017 3:42:16 PM	19980.001	2.971	10.752	0.021
6/26/2017 3:43:16 PM	20040.001	2.970	10.756	0.023
6/26/2017 3:44:16 PM	20100.001	2.971	10.753	0.020
6/26/2017 3:45:16 PM	20160.001	2.972	10.755	0.018
6/26/2017 3:46:16 PM	20220.001	2.971	10.758	0.020
6/26/2017 3:47:16 PM	20280.001	2.972	10.756	0.018
6/26/2017 3:48:16 PM	20340.001	2.973	10.755	0.016
6/26/2017 3:49:16 PM	20400.001	2.972	10.756	0.017
6/26/2017 3:50:16 PM	20460.001	2.973	10.759	0.017
6/26/2017 3:51:16 PM	20520.001	2.974	10.757	0.014
6/26/2017 3:52:16 PM	20580.001	2.973	10.755	0.016
6/26/2017 3:53:16 PM	20640.001	2.972	10.756	0.017
6/26/2017 3:54:16 PM	20700.001	2.975	10.754	0.012
6/26/2017 3:55:16 PM	20760.001	2.973	10.755	0.015
6/26/2017 3:56:16 PM	20820.001	2.973	10.755	0.016
6/26/2017 3:57:16 PM	20880.001	2.974	10.757	0.013
6/26/2017 3:58:16 PM	20940.001	2.974	10.754	0.014
6/26/2017 3:59:16 PM	21000.001	2.975	10.757	0.012
6/26/2017 4:00:16 PM	21060.001	2.974	10.754	0.012
6/26/2017 4:01:16 PM	21120.001	2.975	10.756	0.011
6/26/2017 4:02:16 PM	21180.001	2.974	10.754	0.014
6/26/2017 4:03:16 PM	21240.001	2.974	10.753	0.013
6/26/2017 4:04:16 PM	21300.001	2.977	10.755	0.008
6/26/2017 4:05:16 PM	21360.001	2.975	10.751	0.011
6/26/2017 4:06:16 PM	21420.001	2.977	10.753	0.007
6/26/2017 4:07:16 PM	21480.001	2.977	10.749	0.008
6/26/2017 4:08:16 PM	21540.001	2.977	10.749	0.007
6/26/2017 4:09:16 PM	21600.001	2.976	10.748	0.008
6/26/2017 4:10:16 PM	21660.001	2.977	10.749	0.007
6/26/2017 4:11:16 PM	21720.001	2.976	10.748	0.009
6/26/2017 4:12:16 PM	21780.001	2.981	10.745	-0.002
6/26/2017 4:13:16 PM	21840.001	2.981	10.743	-0.002
6/26/2017 4:14:16 PM	21900.001	2.979	10.744	0.001
6/26/2017 4:15:16 PM	21960.001	2.980	10.741	-0.001

6/26/2017 4:16:16 PM	22020.001	2.980	10.746	-0.000
6/26/2017 4:17:16 PM	22080.001	2.980	10.745	-0.000
6/26/2017 4:18:16 PM	22140.001	2.981	10.745	-0.003
6/26/2017 4:19:16 PM	22200.001	2.981	10.745	-0.002
6/26/2017 4:20:16 PM	22260.001	2.982	10.744	-0.005
6/26/2017 4:21:16 PM	22320.001	2.982	10.743	-0.005
6/26/2017 4:22:16 PM	22380.001	2.982	10.746	-0.004
6/26/2017 4:23:16 PM	22440.001	2.982	10.745	-0.004
6/26/2017 4:24:16 PM	22500.001	2.982	10.745	-0.006
6/26/2017 4:25:16 PM	22560.001	2.982	10.743	-0.004
6/26/2017 4:26:16 PM	22620.001	2.983	10.741	-0.008
6/26/2017 4:27:16 PM	22680.001	2.983	10.740	-0.006
6/26/2017 4:28:16 PM	22740.001	2.983	10.739	-0.007
6/26/2017 4:29:16 PM	22800.001	2.982	10.740	-0.006
6/26/2017 4:30:16 PM	22860.001	2.983	10.738	-0.008
6/26/2017 4:31:16 PM	22920.001	2.984	10.736	-0.009
6/26/2017 4:32:16 PM	22980.001	2.984	10.736	-0.011
6/26/2017 4:33:16 PM	23040.001	2.984	10.735	-0.011
6/26/2017 4:34:16 PM	23100.001	2.985	10.738	-0.012
6/26/2017 4:35:16 PM	23160.001	2.983	10.738	-0.007
6/26/2017 4:36:16 PM	23220.001	2.984	10.739	-0.010
6/26/2017 4:37:16 PM	23280.001	2.984	10.737	-0.009
6/26/2017 4:38:16 PM	23340.001	2.985	10.738	-0.012
6/26/2017 4:39:16 PM	23400.001	2.986	10.737	-0.015
6/26/2017 4:40:16 PM	23460.001	2.986	10.738	-0.015
6/26/2017 4:41:16 PM	23520.001	2.986	10.739	-0.013
6/26/2017 4:42:16 PM	23580.001	2.986	10.740	-0.014
6/26/2017 4:43:16 PM	23640.001	2.985	10.744	-0.013
6/26/2017 4:44:16 PM	23700.001	2.986	10.740	-0.013
6/26/2017 4:45:16 PM	23760.001	2.986	10.745	-0.015
6/26/2017 4:46:16 PM	23820.001	2.987	10.745	-0.017
6/26/2017 4:47:16 PM	23880.001	2.987	10.745	-0.016
6/26/2017 4:48:16 PM	23940.001	2.987	10.747	-0.017
6/26/2017 4:49:16 PM	24000.001	2.987	10.746	-0.017
6/26/2017 4:50:16 PM	24060.001	2.989	10.747	-0.020
6/26/2017 4:51:16 PM	24120.001	2.987	10.747	-0.016
6/26/2017 4:52:16 PM	24180.001	2.987	10.745	-0.017
6/26/2017 4:53:16 PM	24240.001	2.988	10.747	-0.020
6/26/2017 4:54:16 PM	24300.001	2.989	10.747	-0.021
6/26/2017 4:55:16 PM	24360.001	2.987	10.743	-0.018
6/26/2017 4:56:16 PM	24420.001	2.988	10.746	-0.019
6/26/2017 4:57:16 PM	24480.001	2.989	10.744	-0.021
6/26/2017 4:58:16 PM	24540.001	2.988	10.745	-0.020
6/26/2017 4:59:16 PM	24600.001	2.988	10.748	-0.018
6/26/2017 5:00:16 PM	24660.001	2.989	10.749	-0.020
6/26/2017 5:01:16 PM	24720.001	2.991	10.748	-0.025
6/26/2017 5:02:16 PM	24780.001	2.990	10.749	-0.024
6/26/2017 5:03:16 PM	24840.001	2.990	10.748	-0.024
6/26/2017 5:04:16 PM	24900.001	2.990	10.750	-0.024
6/26/2017 5:05:16 PM	24960.001	2.991	10.749	-0.025
6/26/2017 5:06:16 PM	25020.001	2.992	10.747	-0.027
6/26/2017 5:07:16 PM	25080.001	2.989	10.749	-0.022
6/26/2017 5:08:16 PM	25140.001	2.991	10.749	-0.025
6/26/2017 5:09:16 PM	25200.001	2.991	10.747	-0.026
6/26/2017 5:10:16 PM	25260.001	2.991	10.747	-0.025
6/26/2017 5:11:16 PM	25320.001	2.991	10.749	-0.026
6/26/2017 5:12:16 PM	25380.001	2.992	10.750	-0.027
6/26/2017 5:13:16 PM	25440.001	2.990	10.748	-0.024
6/26/2017 5:14:16 PM	25500.001	2.992	10.748	-0.029
6/26/2017 5:15:16 PM	25560.001	2.992	10.748	-0.029
6/26/2017 5:16:16 PM	25620.001	2.993	10.749	-0.030
6/26/2017 5:17:16 PM	25680.001	2.993	10.749	-0.030
6/26/2017 5:18:16 PM	25740.001	2.994	10.750	-0.033

6/26/2017 5:19:16 PM	25800.001	2.993	10.751	-0.029
6/26/2017 5:20:16 PM	25860.001	2.993	10.749	-0.031
6/26/2017 5:21:16 PM	25920.001	2.988	10.749	-0.020
6/26/2017 5:22:16 PM	25980.001	2.987	10.748	-0.017
6/26/2017 5:23:16 PM	26040.001	2.990	10.752	-0.024
6/26/2017 5:24:16 PM	26100.001	2.990	10.755	-0.023
6/26/2017 5:25:16 PM	26160.001	2.991	10.756	-0.025
6/26/2017 5:26:16 PM	26220.001	2.993	10.754	-0.030

Report Date: 7/10/2017 9:11:55 AM
Report User Name: dalmond
Report Computer Name: PINEWRKMA25-PC
Application: WinSitu.exe
Application Version: 5.6.25.0

Log File Properties:
File Name: [CH-MW-019 RH2_2017-07-10_09-11-16-855.wsl
Create Date: 7/10/2017 9:11:13 AM

Device Properties:
Device: Level TROLL 700
Site: Camp Hero
Device Name:
Serial Number: 169305
Firmware Version: 2.09
Hardware Version: 3
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 32
Used Battery(%): 41

Log Configuration
Log Name: [CH-MW-019 RH2
Created By: Unknown
Computer Name: Pocket PC
Application: WinSituMobile.exe
Application Version: 5.6.0.10
Create Date: 3/9/2006 4:01:15 AM Eastern Standard Time
Log Setup Time Zone: Eastern Standard Time
Notes Size(bytes): 4096
Overwrite when full: Disabled
Scheduled Start Time: Manual Start
Scheduled Stop Time: No Stop Time
Type: Step Test
Steps: 2 (Linear)
Step: 1
Duration: Days: 0 hrs: 00 mins: 05 secs: 00
Interval: Days: 0 hrs: 00 mins: 00 secs: 01
Step: 2
Duration: Days: 0 hrs: 17 mins: 00 secs: 00
Interval: Days: 0 hrs: 00 mins: 01 secs: 00

Level Reference Settings At Log Creation
Level Measurement Mode: Level Depth To Water
Specific Gravity: 0.999
Level Reference Mode: Set new reference
Level Reference Value: 0 (ft)
Level Reference Head Pressure: 3.43127 (PSI)

Other Log Settings
Depth of Probe: 7.92363 (ft)
Head Pressure: 3.43167 (PSI)
Temperature: 10.9462 (C)

Log Notes:

Date and Time	Note
6/27/2017 9:37:43 AM	Used Battery: 41% Used Memory: 34% User Name: Unknown
6/27/2017 9:42:10 AM	Manual Start Command

Log Data:
Record Count: 1321
Sensors: 1
1 - 169305: Pressure/Temp 30 PSIG (21m/69ft)
Time Zone: Eastern Daylight Time

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 69ft SN#: 169305 Pressure (PSI)	Sensor: Pres(G) 69ft SN#: 169305 Temperature (C)	Sensor: Pres(G) 69ft SN#: 169305 Level Depth To Water (ft)
6/27/2017 9:42:10 AM	0.000	3.440	10.820	-0.020
6/27/2017 9:42:11 AM	1.000	3.440	10.831	-0.019
6/27/2017 9:42:12 AM	2.000	3.443	10.834	-0.028
6/27/2017 9:42:13 AM	3.000	3.437	10.836	-0.014
6/27/2017 9:42:14 AM	4.000	3.011	10.837	0.971
6/27/2017 9:42:15 AM	5.000	2.687	10.839	1.719
6/27/2017 9:42:16 AM	6.000	2.671	10.842	1.755
6/27/2017 9:42:17 AM	7.000	2.653	10.840	1.798
6/27/2017 9:42:18 AM	8.000	2.646	10.843	1.812
6/27/2017 9:42:19 AM	9.000	2.688	10.842	1.717
6/27/2017 9:42:20 AM	10.000	2.698	10.843	1.692
6/27/2017 9:42:21 AM	11.000	2.721	10.844	1.641
6/27/2017 9:42:22 AM	12.000	2.727	10.846	1.626
6/27/2017 9:42:23 AM	13.000	2.744	10.847	1.586
6/27/2017 9:42:24 AM	14.000	2.758	10.843	1.554
6/27/2017 9:42:25 AM	15.001	2.771	10.848	1.524
6/27/2017 9:42:26 AM	16.001	2.784	10.850	1.493
6/27/2017 9:42:27 AM	17.001	2.800	10.848	1.457
6/27/2017 9:42:28 AM	18.001	2.812	10.851	1.431
6/27/2017 9:42:29 AM	19.001	2.825	10.849	1.400
6/27/2017 9:42:30 AM	20.001	2.837	10.852	1.372
6/27/2017 9:42:31 AM	21.001	2.850	10.848	1.342
6/27/2017 9:42:32 AM	22.000	2.862	10.852	1.314
6/27/2017 9:42:33 AM	23.000	2.872	10.854	1.290
6/27/2017 9:42:34 AM	24.000	2.884	10.851	1.264
6/27/2017 9:42:35 AM	25.000	2.895	10.853	1.238
6/27/2017 9:42:36 AM	26.000	2.905	10.852	1.216
6/27/2017 9:42:37 AM	27.001	2.913	10.854	1.196
6/27/2017 9:42:38 AM	28.001	2.923	10.855	1.173
6/27/2017 9:42:39 AM	29.001	2.932	10.853	1.152
6/27/2017 9:42:40 AM	30.001	2.941	10.857	1.132
6/27/2017 9:42:41 AM	31.001	2.951	10.855	1.110
6/27/2017 9:42:42 AM	32.001	2.958	10.857	1.094
6/27/2017 9:42:43 AM	33.001	2.965	10.858	1.077
6/27/2017 9:42:44 AM	34.000	2.971	10.858	1.063
6/27/2017 9:42:45 AM	35.000	2.978	10.856	1.046
6/27/2017 9:42:46 AM	36.000	2.983	10.858	1.035
6/27/2017 9:42:47 AM	37.000	2.987	10.858	1.025
6/27/2017 9:42:48 AM	38.000	2.993	10.858	1.013
6/27/2017 9:42:49 AM	39.000	2.996	10.859	1.004
6/27/2017 9:42:50 AM	40.001	3.001	10.859	0.993
6/27/2017 9:42:51 AM	41.001	3.005	10.860	0.984
6/27/2017 9:42:52 AM	42.001	3.008	10.858	0.977
6/27/2017 9:42:53 AM	43.001	3.010	10.859	0.972
6/27/2017 9:42:54 AM	44.001	3.013	10.863	0.967
6/27/2017 9:42:55 AM	45.001	3.016	10.861	0.958

6/27/2017 9:42:56 AM	46.001	3.018	10.862	0.954
6/27/2017 9:42:57 AM	47.000	3.023	10.861	0.942
6/27/2017 9:42:58 AM	48.000	3.021	10.865	0.948
6/27/2017 9:42:59 AM	49.000	3.025	10.862	0.938
6/27/2017 9:43:00 AM	50.000	3.027	10.863	0.933
6/27/2017 9:43:01 AM	51.000	3.026	10.861	0.936
6/27/2017 9:43:02 AM	52.000	3.029	10.864	0.928
6/27/2017 9:43:03 AM	53.001	3.030	10.864	0.925
6/27/2017 9:43:04 AM	54.001	3.033	10.863	0.918
6/27/2017 9:43:05 AM	55.001	3.034	10.865	0.917
6/27/2017 9:43:06 AM	56.001	3.035	10.864	0.916
6/27/2017 9:43:07 AM	57.001	3.037	10.865	0.911
6/27/2017 9:43:08 AM	58.001	3.038	10.867	0.909
6/27/2017 9:43:09 AM	59.001	3.039	10.864	0.906
6/27/2017 9:43:10 AM	60.001	3.041	10.866	0.902
6/27/2017 9:43:11 AM	61.001	3.043	10.867	0.896
6/27/2017 9:43:12 AM	62.001	3.042	10.867	0.899
6/27/2017 9:43:13 AM	63.001	3.043	10.865	0.898
6/27/2017 9:43:14 AM	64.001	3.044	10.865	0.893
6/27/2017 9:43:15 AM	65.001	3.046	10.868	0.889
6/27/2017 9:43:16 AM	66.001	3.047	10.865	0.888
6/27/2017 9:43:17 AM	67.001	3.047	10.867	0.888
6/27/2017 9:43:18 AM	68.001	3.049	10.866	0.882
6/27/2017 9:43:19 AM	69.001	3.049	10.866	0.882
6/27/2017 9:43:20 AM	70.001	3.052	10.870	0.877
6/27/2017 9:43:21 AM	71.001	3.052	10.867	0.876
6/27/2017 9:43:22 AM	72.000	3.051	10.870	0.878
6/27/2017 9:43:23 AM	73.000	3.054	10.869	0.872
6/27/2017 9:43:24 AM	74.000	3.053	10.869	0.872
6/27/2017 9:43:25 AM	75.000	3.053	10.868	0.872
6/27/2017 9:43:26 AM	76.000	3.055	10.869	0.869
6/27/2017 9:43:27 AM	77.000	3.056	10.868	0.867
6/27/2017 9:43:28 AM	78.001	3.057	10.869	0.865
6/27/2017 9:43:29 AM	79.001	3.058	10.869	0.863
6/27/2017 9:43:30 AM	80.001	3.058	10.868	0.863
6/27/2017 9:43:31 AM	81.001	3.060	10.872	0.857
6/27/2017 9:43:32 AM	82.001	3.059	10.867	0.859
6/27/2017 9:43:33 AM	83.001	3.059	10.869	0.860
6/27/2017 9:43:34 AM	84.001	3.059	10.870	0.858
6/27/2017 9:43:35 AM	85.026	3.060	10.868	0.858
6/27/2017 9:43:36 AM	86.000	3.061	10.868	0.855
6/27/2017 9:43:37 AM	87.000	3.060	10.868	0.856
6/27/2017 9:43:38 AM	88.000	3.062	10.871	0.853
6/27/2017 9:43:39 AM	89.000	3.062	10.868	0.852
6/27/2017 9:43:40 AM	90.000	3.064	10.867	0.849
6/27/2017 9:43:41 AM	91.001	3.063	10.866	0.849
6/27/2017 9:43:42 AM	92.001	3.064	10.870	0.847
6/27/2017 9:43:43 AM	93.001	3.065	10.870	0.846
6/27/2017 9:43:44 AM	94.001	3.065	10.870	0.847
6/27/2017 9:43:45 AM	95.001	3.064	10.866	0.848
6/27/2017 9:43:46 AM	96.001	3.065	10.869	0.845
6/27/2017 9:43:47 AM	97.001	3.067	10.867	0.842
6/27/2017 9:43:48 AM	98.001	3.065	10.866	0.846
6/27/2017 9:43:49 AM	99.001	3.066	10.871	0.843
6/27/2017 9:43:50 AM	100.001	3.067	10.866	0.841
6/27/2017 9:43:51 AM	101.001	3.068	10.869	0.839
6/27/2017 9:43:52 AM	102.001	3.068	10.868	0.839
6/27/2017 9:43:53 AM	103.001	3.068	10.869	0.839
6/27/2017 9:43:54 AM	104.001	3.069	10.869	0.837
6/27/2017 9:43:55 AM	105.001	3.067	10.870	0.841
6/27/2017 9:43:56 AM	106.001	3.070	10.867	0.834
6/27/2017 9:43:57 AM	107.001	3.070	10.864	0.834
6/27/2017 9:43:58 AM	108.001	3.070	10.866	0.835

6/27/2017 9:43:59 AM	109.001	3.071	10.867	0.832
6/27/2017 9:44:00 AM	110.000	3.071	10.867	0.831
6/27/2017 9:44:01 AM	111.000	3.071	10.866	0.832
6/27/2017 9:44:02 AM	112.000	3.071	10.863	0.832
6/27/2017 9:44:03 AM	113.000	3.073	10.864	0.827
6/27/2017 9:44:04 AM	114.000	3.072	10.864	0.830
6/27/2017 9:44:05 AM	115.000	3.072	10.868	0.830
6/27/2017 9:44:06 AM	116.001	3.072	10.863	0.828
6/27/2017 9:44:07 AM	117.001	3.071	10.864	0.833
6/27/2017 9:44:08 AM	118.001	3.072	10.863	0.829
6/27/2017 9:44:09 AM	119.001	3.073	10.864	0.828
6/27/2017 9:44:10 AM	120.001	3.072	10.865	0.829
6/27/2017 9:44:11 AM	121.001	3.073	10.863	0.827
6/27/2017 9:44:12 AM	122.001	3.074	10.863	0.825
6/27/2017 9:44:13 AM	123.000	3.076	10.862	0.820
6/27/2017 9:44:14 AM	124.000	3.075	10.864	0.822
6/27/2017 9:44:15 AM	125.000	3.074	10.863	0.824
6/27/2017 9:44:16 AM	126.000	3.074	10.861	0.826
6/27/2017 9:44:17 AM	127.000	3.076	10.863	0.821
6/27/2017 9:44:18 AM	128.001	3.075	10.863	0.823
6/27/2017 9:44:19 AM	129.001	3.076	10.860	0.819
6/27/2017 9:44:20 AM	130.001	3.075	10.862	0.823
6/27/2017 9:44:21 AM	131.001	3.078	10.862	0.816
6/27/2017 9:44:22 AM	132.001	3.077	10.863	0.819
6/27/2017 9:44:23 AM	133.001	3.078	10.859	0.816
6/27/2017 9:44:24 AM	134.001	3.078	10.858	0.817
6/27/2017 9:44:25 AM	135.000	3.078	10.858	0.817
6/27/2017 9:44:26 AM	136.000	3.078	10.861	0.816
6/27/2017 9:44:27 AM	137.000	3.079	10.858	0.813
6/27/2017 9:44:28 AM	138.000	3.078	10.857	0.816
6/27/2017 9:44:29 AM	139.000	3.079	10.857	0.814
6/27/2017 9:44:30 AM	140.000	3.078	10.860	0.815
6/27/2017 9:44:31 AM	141.001	3.078	10.858	0.816
6/27/2017 9:44:32 AM	142.001	3.077	10.858	0.817
6/27/2017 9:44:33 AM	143.001	3.078	10.858	0.817
6/27/2017 9:44:34 AM	144.001	3.080	10.859	0.811
6/27/2017 9:44:35 AM	145.001	3.080	10.854	0.811
6/27/2017 9:44:36 AM	146.001	3.078	10.857	0.815
6/27/2017 9:44:37 AM	147.001	3.078	10.858	0.816
6/27/2017 9:44:38 AM	148.000	3.081	10.856	0.809
6/27/2017 9:44:39 AM	149.000	3.079	10.856	0.814
6/27/2017 9:44:40 AM	150.000	3.081	10.858	0.808
6/27/2017 9:44:41 AM	151.000	3.080	10.855	0.810
6/27/2017 9:44:42 AM	152.000	3.080	10.856	0.812
6/27/2017 9:44:43 AM	153.000	3.081	10.854	0.809
6/27/2017 9:44:44 AM	154.001	3.082	10.854	0.806
6/27/2017 9:44:45 AM	155.001	3.081	10.855	0.809
6/27/2017 9:44:46 AM	156.001	3.082	10.854	0.805
6/27/2017 9:44:47 AM	157.001	3.082	10.852	0.806
6/27/2017 9:44:48 AM	158.001	3.082	10.852	0.807
6/27/2017 9:44:49 AM	159.001	3.081	10.855	0.808
6/27/2017 9:44:50 AM	160.001	3.083	10.854	0.805
6/27/2017 9:44:51 AM	161.001	3.083	10.855	0.805
6/27/2017 9:44:52 AM	162.001	3.083	10.850	0.804
6/27/2017 9:44:53 AM	163.001	3.084	10.854	0.802
6/27/2017 9:44:54 AM	164.001	3.082	10.853	0.807
6/27/2017 9:44:55 AM	165.001	3.084	10.852	0.802
6/27/2017 9:44:56 AM	166.001	3.082	10.853	0.807
6/27/2017 9:44:57 AM	167.001	3.083	10.852	0.804
6/27/2017 9:44:58 AM	168.001	3.083	10.852	0.804
6/27/2017 9:44:59 AM	169.001	3.084	10.851	0.803
6/27/2017 9:45:00 AM	170.001	3.084	10.849	0.802
6/27/2017 9:45:01 AM	171.001	3.084	10.849	0.802

6/27/2017 9:45:02 AM	172.001	3.084	10.852	0.802
6/27/2017 9:45:03 AM	173.000	3.084	10.849	0.802
6/27/2017 9:45:04 AM	174.000	3.084	10.847	0.801
6/27/2017 9:45:05 AM	175.000	3.083	10.850	0.803
6/27/2017 9:45:06 AM	176.000	3.085	10.845	0.799
6/27/2017 9:45:07 AM	177.000	3.085	10.845	0.800
6/27/2017 9:45:08 AM	178.000	3.084	10.851	0.802
6/27/2017 9:45:09 AM	179.001	3.085	10.845	0.799
6/27/2017 9:45:10 AM	180.001	3.084	10.849	0.801
6/27/2017 9:45:11 AM	181.001	3.085	10.847	0.799
6/27/2017 9:45:12 AM	182.001	3.085	10.848	0.800
6/27/2017 9:45:13 AM	183.001	3.083	10.846	0.804
6/27/2017 9:45:14 AM	184.001	3.086	10.845	0.798
6/27/2017 9:45:15 AM	185.001	3.085	10.846	0.801
6/27/2017 9:45:16 AM	186.000	3.087	10.847	0.795
6/27/2017 9:45:17 AM	187.000	3.086	10.843	0.797
6/27/2017 9:45:18 AM	188.000	3.085	10.844	0.798
6/27/2017 9:45:19 AM	189.000	3.086	10.844	0.796
6/27/2017 9:45:20 AM	190.000	3.085	10.845	0.799
6/27/2017 9:45:21 AM	191.000	3.088	10.846	0.794
6/27/2017 9:45:22 AM	192.001	3.085	10.845	0.799
6/27/2017 9:45:23 AM	193.001	3.088	10.845	0.793
6/27/2017 9:45:24 AM	194.001	3.086	10.842	0.797
6/27/2017 9:45:25 AM	195.001	3.087	10.846	0.796
6/27/2017 9:45:26 AM	196.001	3.087	10.844	0.795
6/27/2017 9:45:27 AM	197.001	3.086	10.843	0.798
6/27/2017 9:45:28 AM	198.001	3.086	10.843	0.796
6/27/2017 9:45:29 AM	199.001	3.088	10.839	0.793
6/27/2017 9:45:30 AM	200.001	3.088	10.841	0.793
6/27/2017 9:45:31 AM	201.001	3.088	10.841	0.793
6/27/2017 9:45:32 AM	202.001	3.087	10.843	0.796
6/27/2017 9:45:33 AM	203.001	3.087	10.840	0.794
6/27/2017 9:45:34 AM	204.001	3.088	10.837	0.793
6/27/2017 9:45:35 AM	205.001	3.087	10.840	0.795
6/27/2017 9:45:36 AM	206.001	3.087	10.841	0.795
6/27/2017 9:45:37 AM	207.001	3.088	10.840	0.792
6/27/2017 9:45:38 AM	208.001	3.088	10.839	0.792
6/27/2017 9:45:39 AM	209.001	3.088	10.839	0.793
6/27/2017 9:45:40 AM	210.001	3.088	10.839	0.793
6/27/2017 9:45:41 AM	211.000	3.089	10.838	0.790
6/27/2017 9:45:42 AM	212.000	3.088	10.839	0.792
6/27/2017 9:45:43 AM	213.000	3.090	10.837	0.787
6/27/2017 9:45:44 AM	214.000	3.089	10.839	0.791
6/27/2017 9:45:45 AM	215.000	3.089	10.837	0.790
6/27/2017 9:45:46 AM	216.000	3.090	10.835	0.788
6/27/2017 9:45:47 AM	217.001	3.088	10.838	0.792
6/27/2017 9:45:48 AM	218.001	3.088	10.841	0.792
6/27/2017 9:45:49 AM	219.001	3.088	10.839	0.792
6/27/2017 9:45:50 AM	220.001	3.090	10.837	0.788
6/27/2017 9:45:51 AM	221.001	3.089	10.838	0.789
6/27/2017 9:45:52 AM	222.001	3.091	10.837	0.786
6/27/2017 9:45:53 AM	223.001	3.090	10.835	0.788
6/27/2017 9:45:54 AM	224.000	3.089	10.836	0.791
6/27/2017 9:45:55 AM	225.000	3.089	10.837	0.791
6/27/2017 9:45:56 AM	226.000	3.092	10.835	0.784
6/27/2017 9:45:57 AM	227.000	3.091	10.834	0.786
6/27/2017 9:45:58 AM	228.000	3.090	10.832	0.788
6/27/2017 9:45:59 AM	229.001	3.092	10.835	0.783
6/27/2017 9:46:00 AM	230.001	3.089	10.833	0.790
6/27/2017 9:46:01 AM	231.001	3.091	10.831	0.786
6/27/2017 9:46:02 AM	232.001	3.089	10.832	0.790
6/27/2017 9:46:03 AM	233.001	3.091	10.835	0.785
6/27/2017 9:46:04 AM	234.001	3.089	10.833	0.791

6/27/2017 9:46:05 AM	235.001	3.091	10.833	0.786
6/27/2017 9:46:06 AM	236.000	3.092	10.833	0.783
6/27/2017 9:46:07 AM	237.000	3.091	10.830	0.786
6/27/2017 9:46:08 AM	238.000	3.091	10.830	0.786
6/27/2017 9:46:09 AM	239.000	3.091	10.832	0.785
6/27/2017 9:46:10 AM	240.000	3.093	10.831	0.781
6/27/2017 9:46:11 AM	241.000	3.091	10.832	0.785
6/27/2017 9:46:12 AM	242.001	3.090	10.832	0.788
6/27/2017 9:46:13 AM	243.001	3.094	10.832	0.778
6/27/2017 9:46:14 AM	244.001	3.091	10.833	0.785
6/27/2017 9:46:15 AM	245.001	3.093	10.831	0.780
6/27/2017 9:46:16 AM	246.001	3.094	10.831	0.780
6/27/2017 9:46:17 AM	247.001	3.093	10.829	0.780
6/27/2017 9:46:18 AM	248.001	3.090	10.830	0.787
6/27/2017 9:46:19 AM	249.000	3.101	10.831	0.761
6/27/2017 9:46:20 AM	250.000	3.095	10.831	0.777
6/27/2017 9:46:21 AM	251.000	3.091	10.830	0.785
6/27/2017 9:46:22 AM	252.000	3.091	10.829	0.786
6/27/2017 9:46:23 AM	253.000	3.092	10.829	0.784
6/27/2017 9:46:24 AM	254.000	3.092	10.827	0.782
6/27/2017 9:46:25 AM	255.001	3.091	10.830	0.786
6/27/2017 9:46:26 AM	256.001	3.093	10.829	0.781
6/27/2017 9:46:27 AM	257.001	3.092	10.829	0.782
6/27/2017 9:46:28 AM	258.001	3.093	10.829	0.781
6/27/2017 9:46:29 AM	259.001	3.093	10.827	0.781
6/27/2017 9:46:30 AM	260.001	3.093	10.827	0.780
6/27/2017 9:46:31 AM	261.001	3.092	10.826	0.783
6/27/2017 9:46:32 AM	262.001	3.093	10.827	0.781
6/27/2017 9:46:33 AM	263.001	3.092	10.826	0.784
6/27/2017 9:46:34 AM	264.001	3.092	10.826	0.783
6/27/2017 9:46:35 AM	265.001	3.091	10.827	0.785
6/27/2017 9:46:36 AM	266.001	3.092	10.827	0.783
6/27/2017 9:46:37 AM	267.001	3.092	10.827	0.784
6/27/2017 9:46:38 AM	268.001	3.093	10.830	0.781
6/27/2017 9:46:39 AM	269.001	3.092	10.825	0.784
6/27/2017 9:46:40 AM	270.001	3.094	10.828	0.780
6/27/2017 9:46:41 AM	271.001	3.094	10.826	0.779
6/27/2017 9:46:42 AM	272.001	3.094	10.826	0.778
6/27/2017 9:46:43 AM	273.001	3.093	10.826	0.780
6/27/2017 9:46:44 AM	274.001	3.093	10.829	0.781
6/27/2017 9:46:45 AM	275.001	3.093	10.828	0.781
6/27/2017 9:46:46 AM	276.001	3.094	10.827	0.779
6/27/2017 9:46:47 AM	277.001	3.091	10.828	0.786
6/27/2017 9:46:48 AM	278.001	3.093	10.827	0.780
6/27/2017 9:46:49 AM	279.001	3.092	10.827	0.784
6/27/2017 9:46:50 AM	280.001	3.093	10.826	0.780
6/27/2017 9:46:51 AM	281.001	3.095	10.825	0.777
6/27/2017 9:46:52 AM	282.001	3.094	10.829	0.779
6/27/2017 9:46:53 AM	283.001	3.094	10.825	0.779
6/27/2017 9:46:54 AM	284.001	3.095	10.825	0.776
6/27/2017 9:46:55 AM	285.001	3.093	10.824	0.781
6/27/2017 9:46:56 AM	286.001	3.096	10.827	0.775
6/27/2017 9:46:57 AM	287.001	3.095	10.824	0.777
6/27/2017 9:46:58 AM	288.001	3.094	10.824	0.779
6/27/2017 9:46:59 AM	289.001	3.094	10.826	0.779
6/27/2017 9:47:00 AM	290.001	3.095	10.826	0.776
6/27/2017 9:47:01 AM	291.001	3.095	10.825	0.776
6/27/2017 9:47:02 AM	292.001	3.094	10.827	0.779
6/27/2017 9:47:03 AM	293.001	3.095	10.825	0.776
6/27/2017 9:47:04 AM	294.001	3.096	10.825	0.774
6/27/2017 9:47:05 AM	295.001	3.094	10.826	0.780
6/27/2017 9:47:06 AM	296.001	3.095	10.824	0.777
6/27/2017 9:47:07 AM	297.001	3.096	10.824	0.774

6/27/2017 9:47:08 AM	298.001	3.095	10.824	0.776
6/27/2017 9:47:09 AM	299.001	3.093	10.826	0.782
6/27/2017 9:47:10 AM	300.001	3.095	10.828	0.776
6/27/2017 9:48:10 AM	360.001	3.099	10.777	0.767
6/27/2017 9:49:10 AM	420.001	3.098	10.769	0.770
6/27/2017 9:50:10 AM	480.001	3.098	10.765	0.769
6/27/2017 9:51:10 AM	540.001	3.103	10.766	0.759
6/27/2017 9:52:10 AM	600.001	3.103	10.768	0.759
6/27/2017 9:53:10 AM	660.001	3.102	10.774	0.761
6/27/2017 9:54:10 AM	720.001	3.105	10.777	0.753
6/27/2017 9:55:10 AM	780.001	3.107	10.776	0.750
6/27/2017 9:56:10 AM	840.001	3.108	10.779	0.747
6/27/2017 9:57:10 AM	900.001	3.108	10.783	0.746
6/27/2017 9:58:10 AM	960.001	3.109	10.786	0.744
6/27/2017 9:59:10 AM	1020.001	3.110	10.786	0.743
6/27/2017 10:00:10 AM	1080.001	3.111	10.787	0.740
6/27/2017 10:01:10 AM	1140.001	3.110	10.789	0.742
6/27/2017 10:02:10 AM	1200.001	3.110	10.788	0.742
6/27/2017 10:03:10 AM	1260.001	3.113	10.786	0.736
6/27/2017 10:04:10 AM	1320.001	3.113	10.788	0.735
6/27/2017 10:05:10 AM	1380.001	3.113	10.792	0.736
6/27/2017 10:06:10 AM	1440.001	3.113	10.791	0.734
6/27/2017 10:07:10 AM	1500.001	3.115	10.792	0.731
6/27/2017 10:08:10 AM	1560.001	3.114	10.792	0.731
6/27/2017 10:09:10 AM	1620.001	3.115	10.795	0.730
6/27/2017 10:10:10 AM	1680.001	3.115	10.794	0.730
6/27/2017 10:11:10 AM	1740.001	3.116	10.795	0.729
6/27/2017 10:12:10 AM	1800.001	3.116	10.798	0.728
6/27/2017 10:13:10 AM	1860.001	3.118	10.796	0.723
6/27/2017 10:14:10 AM	1920.001	3.117	10.797	0.727
6/27/2017 10:15:10 AM	1980.001	3.118	10.798	0.723
6/27/2017 10:16:10 AM	2040.001	3.118	10.798	0.724
6/27/2017 10:17:10 AM	2100.001	3.119	10.797	0.721
6/27/2017 10:18:10 AM	2160.001	3.120	10.797	0.720
6/27/2017 10:19:10 AM	2220.001	3.119	10.798	0.721
6/27/2017 10:20:10 AM	2280.001	3.120	10.797	0.719
6/27/2017 10:21:10 AM	2340.001	3.119	10.795	0.720
6/27/2017 10:22:10 AM	2400.001	3.120	10.795	0.719
6/27/2017 10:23:10 AM	2460.001	3.119	10.792	0.721
6/27/2017 10:24:10 AM	2520.001	3.121	10.791	0.717
6/27/2017 10:25:10 AM	2580.001	3.120	10.788	0.719
6/27/2017 10:26:10 AM	2640.001	3.120	10.787	0.719
6/27/2017 10:27:10 AM	2700.001	3.121	10.784	0.716
6/27/2017 10:28:10 AM	2760.001	3.122	10.785	0.715
6/27/2017 10:29:10 AM	2820.001	3.121	10.784	0.717
6/27/2017 10:30:10 AM	2880.001	3.120	10.784	0.718
6/27/2017 10:31:10 AM	2940.001	3.122	10.782	0.714
6/27/2017 10:32:10 AM	3000.001	3.123	10.786	0.711
6/27/2017 10:33:10 AM	3060.001	3.123	10.783	0.712
6/27/2017 10:34:10 AM	3120.001	3.122	10.781	0.714
6/27/2017 10:35:10 AM	3180.001	3.123	10.780	0.713
6/27/2017 10:36:10 AM	3240.001	3.123	10.780	0.711
6/27/2017 10:37:10 AM	3300.001	3.124	10.780	0.708
6/27/2017 10:38:10 AM	3360.001	3.124	10.780	0.710
6/27/2017 10:39:10 AM	3420.001	3.125	10.780	0.707
6/27/2017 10:40:10 AM	3480.001	3.125	10.777	0.708
6/27/2017 10:41:10 AM	3540.001	3.125	10.775	0.707
6/27/2017 10:42:10 AM	3600.001	3.124	10.775	0.710
6/27/2017 10:43:10 AM	3660.001	3.124	10.776	0.709
6/27/2017 10:44:10 AM	3720.001	3.125	10.776	0.707
6/27/2017 10:45:10 AM	3780.001	3.126	10.776	0.705
6/27/2017 10:46:10 AM	3840.001	3.126	10.776	0.706
6/27/2017 10:47:10 AM	3900.001	3.126	10.772	0.704

6/27/2017 10:48:10 AM	3960.001	3.126	10.776	0.706
6/27/2017 10:49:10 AM	4020.001	3.127	10.777	0.703
6/27/2017 10:50:10 AM	4080.001	3.126	10.774	0.706
6/27/2017 10:51:10 AM	4140.001	3.127	10.773	0.703
6/27/2017 10:52:10 AM	4200.001	3.127	10.774	0.703
6/27/2017 10:53:10 AM	4260.001	3.126	10.771	0.705
6/27/2017 10:54:10 AM	4320.001	3.128	10.773	0.701
6/27/2017 10:55:10 AM	4380.001	3.129	10.773	0.698
6/27/2017 10:56:10 AM	4440.001	3.129	10.771	0.699
6/27/2017 10:57:10 AM	4500.001	3.129	10.772	0.698
6/27/2017 10:58:10 AM	4560.001	3.129	10.770	0.698
6/27/2017 10:59:10 AM	4620.001	3.128	10.770	0.701
6/27/2017 11:00:10 AM	4680.001	3.131	10.771	0.694
6/27/2017 11:01:10 AM	4740.001	3.130	10.769	0.697
6/27/2017 11:02:10 AM	4800.001	3.128	10.770	0.700
6/27/2017 11:03:10 AM	4860.001	3.129	10.771	0.699
6/27/2017 11:04:10 AM	4920.001	3.129	10.768	0.698
6/27/2017 11:05:10 AM	4980.001	3.131	10.768	0.694
6/27/2017 11:06:10 AM	5040.001	3.129	10.768	0.698
6/27/2017 11:07:10 AM	5100.001	3.132	10.769	0.692
6/27/2017 11:08:10 AM	5160.001	3.130	10.768	0.696
6/27/2017 11:09:10 AM	5220.001	3.130	10.766	0.695
6/27/2017 11:10:10 AM	5280.001	3.131	10.765	0.694
6/27/2017 11:11:10 AM	5340.001	3.132	10.766	0.690
6/27/2017 11:12:10 AM	5400.001	3.129	10.766	0.697
6/27/2017 11:13:10 AM	5460.001	3.131	10.767	0.694
6/27/2017 11:14:10 AM	5520.001	3.133	10.765	0.689
6/27/2017 11:15:10 AM	5580.001	3.130	10.765	0.695
6/27/2017 11:16:10 AM	5640.001	3.131	10.767	0.693
6/27/2017 11:17:10 AM	5700.001	3.133	10.768	0.688
6/27/2017 11:18:10 AM	5760.001	3.132	10.769	0.692
6/27/2017 11:19:10 AM	5820.001	3.131	10.766	0.693
6/27/2017 11:20:10 AM	5880.001	3.134	10.766	0.687
6/27/2017 11:21:10 AM	5940.001	3.133	10.764	0.688
6/27/2017 11:22:10 AM	6000.001	3.134	10.762	0.685
6/27/2017 11:23:10 AM	6060.001	3.132	10.762	0.691
6/27/2017 11:24:10 AM	6120.001	3.132	10.764	0.690
6/27/2017 11:25:10 AM	6180.001	3.133	10.764	0.689
6/27/2017 11:26:10 AM	6240.001	3.134	10.763	0.686
6/27/2017 11:27:10 AM	6300.001	3.134	10.764	0.685
6/27/2017 11:28:10 AM	6360.001	3.135	10.766	0.684
6/27/2017 11:29:10 AM	6420.001	3.135	10.760	0.685
6/27/2017 11:30:10 AM	6480.001	3.135	10.764	0.685
6/27/2017 11:31:10 AM	6540.001	3.135	10.762	0.685
6/27/2017 11:32:10 AM	6600.001	3.135	10.764	0.684
6/27/2017 11:33:10 AM	6660.001	3.135	10.757	0.684
6/27/2017 11:34:10 AM	6720.001	3.135	10.760	0.683
6/27/2017 11:35:10 AM	6780.001	3.136	10.760	0.682
6/27/2017 11:36:10 AM	6840.001	3.136	10.759	0.683
6/27/2017 11:37:10 AM	6900.001	3.134	10.758	0.686
6/27/2017 11:38:10 AM	6960.001	3.136	10.759	0.682
6/27/2017 11:39:10 AM	7020.001	3.137	10.761	0.679
6/27/2017 11:40:10 AM	7080.001	3.136	10.762	0.681
6/27/2017 11:41:10 AM	7140.001	3.136	10.762	0.682
6/27/2017 11:42:10 AM	7200.001	3.137	10.759	0.679
6/27/2017 11:43:10 AM	7260.001	3.135	10.761	0.683
6/27/2017 11:44:10 AM	7320.001	3.137	10.763	0.680
6/27/2017 11:45:10 AM	7380.001	3.138	10.763	0.677
6/27/2017 11:46:10 AM	7440.001	3.138	10.760	0.676
6/27/2017 11:47:10 AM	7500.001	3.138	10.758	0.677
6/27/2017 11:48:10 AM	7560.001	3.138	10.760	0.676
6/27/2017 11:49:10 AM	7620.001	3.137	10.759	0.680
6/27/2017 11:50:10 AM	7680.001	3.136	10.760	0.681

6/27/2017 11:51:10 AM	7740.001	3.139	10.760	0.674
6/27/2017 11:52:10 AM	7800.001	3.139	10.758	0.674
6/27/2017 11:53:10 AM	7860.001	3.139	10.759	0.675
6/27/2017 11:54:10 AM	7920.001	3.139	10.759	0.676
6/27/2017 11:55:10 AM	7980.001	3.139	10.758	0.675
6/27/2017 11:56:10 AM	8040.001	3.138	10.755	0.677
6/27/2017 11:57:10 AM	8100.001	3.138	10.757	0.678
6/27/2017 11:58:10 AM	8160.001	3.141	10.759	0.671
6/27/2017 11:59:10 AM	8220.001	3.140	10.756	0.672
6/27/2017 12:00:10 PM	8280.001	3.139	10.757	0.675
6/27/2017 12:01:10 PM	8340.001	3.140	10.758	0.671
6/27/2017 12:02:10 PM	8400.001	3.140	10.759	0.673
6/27/2017 12:03:10 PM	8460.001	3.141	10.756	0.671
6/27/2017 12:04:10 PM	8520.001	3.141	10.757	0.671
6/27/2017 12:05:10 PM	8580.001	3.142	10.756	0.669
6/27/2017 12:06:10 PM	8640.001	3.142	10.757	0.668
6/27/2017 12:07:10 PM	8700.001	3.142	10.755	0.668
6/27/2017 12:08:10 PM	8760.001	3.142	10.756	0.667
6/27/2017 12:09:10 PM	8820.001	3.142	10.758	0.668
6/27/2017 12:10:10 PM	8880.001	3.142	10.757	0.668
6/27/2017 12:11:10 PM	8940.001	3.143	10.756	0.666
6/27/2017 12:12:10 PM	9000.001	3.142	10.759	0.667
6/27/2017 12:13:10 PM	9060.001	3.143	10.761	0.665
6/27/2017 12:14:10 PM	9120.001	3.142	10.758	0.667
6/27/2017 12:15:10 PM	9180.001	3.143	10.761	0.667
6/27/2017 12:16:10 PM	9240.001	3.143	10.759	0.665
6/27/2017 12:17:10 PM	9300.001	3.143	10.756	0.666
6/27/2017 12:18:10 PM	9360.001	3.141	10.755	0.669
6/27/2017 12:19:10 PM	9420.001	3.142	10.754	0.668
6/27/2017 12:20:10 PM	9480.001	3.143	10.756	0.665
6/27/2017 12:21:10 PM	9540.001	3.143	10.754	0.665
6/27/2017 12:22:10 PM	9600.001	3.145	10.755	0.662
6/27/2017 12:23:10 PM	9660.001	3.143	10.758	0.665
6/27/2017 12:24:10 PM	9720.001	3.146	10.756	0.659
6/27/2017 12:25:10 PM	9780.001	3.145	10.759	0.660
6/27/2017 12:26:10 PM	9840.001	3.144	10.757	0.663
6/27/2017 12:27:10 PM	9900.001	3.145	10.754	0.660
6/27/2017 12:28:10 PM	9960.001	3.146	10.755	0.658
6/27/2017 12:29:10 PM	10020.001	3.147	10.754	0.657
6/27/2017 12:30:10 PM	10080.001	3.147	10.754	0.657
6/27/2017 12:31:10 PM	10140.001	3.146	10.755	0.659
6/27/2017 12:32:10 PM	10200.001	3.147	10.755	0.656
6/27/2017 12:33:10 PM	10260.001	3.147	10.752	0.657
6/27/2017 12:34:10 PM	10320.001	3.145	10.753	0.661
6/27/2017 12:35:10 PM	10380.001	3.145	10.752	0.660
6/27/2017 12:36:10 PM	10440.001	3.146	10.753	0.658
6/27/2017 12:37:10 PM	10500.001	3.146	10.752	0.658
6/27/2017 12:38:10 PM	10560.001	3.146	10.752	0.659
6/27/2017 12:39:10 PM	10620.001	3.147	10.753	0.656
6/27/2017 12:40:10 PM	10680.001	3.147	10.752	0.655
6/27/2017 12:41:10 PM	10740.001	3.148	10.752	0.653
6/27/2017 12:42:10 PM	10800.001	3.148	10.753	0.653
6/27/2017 12:43:10 PM	10860.001	3.148	10.752	0.654
6/27/2017 12:44:10 PM	10920.001	3.149	10.749	0.653
6/27/2017 12:45:10 PM	10980.001	3.148	10.750	0.653
6/27/2017 12:46:10 PM	11040.001	3.148	10.750	0.654
6/27/2017 12:47:10 PM	11100.001	3.148	10.753	0.655
6/27/2017 12:48:10 PM	11160.001	3.148	10.752	0.654
6/27/2017 12:49:10 PM	11220.001	3.148	10.752	0.655
6/27/2017 12:50:10 PM	11280.001	3.148	10.751	0.654
6/27/2017 12:51:10 PM	11340.001	3.150	10.750	0.650
6/27/2017 12:52:10 PM	11400.001	3.149	10.750	0.651
6/27/2017 12:53:10 PM	11460.001	3.149	10.751	0.651

6/27/2017 12:54:10 PM	11520.001	3.148	10.750	0.654
6/27/2017 12:55:10 PM	11580.001	3.151	10.751	0.648
6/27/2017 12:56:10 PM	11640.001	3.150	10.752	0.648
6/27/2017 12:57:10 PM	11700.001	3.149	10.755	0.652
6/27/2017 12:58:10 PM	11760.001	3.151	10.751	0.647
6/27/2017 12:59:10 PM	11820.001	3.151	10.755	0.647
6/27/2017 1:00:10 PM	11880.001	3.150	10.754	0.650
6/27/2017 1:01:10 PM	11940.001	3.152	10.754	0.645
6/27/2017 1:02:10 PM	12000.001	3.152	10.752	0.644
6/27/2017 1:03:10 PM	12060.001	3.149	10.755	0.651
6/27/2017 1:04:10 PM	12120.001	3.152	10.751	0.644
6/27/2017 1:05:10 PM	12180.001	3.152	10.753	0.646
6/27/2017 1:06:10 PM	12240.001	3.152	10.751	0.646
6/27/2017 1:07:10 PM	12300.001	3.152	10.749	0.644
6/27/2017 1:08:10 PM	12360.001	3.152	10.748	0.645
6/27/2017 1:09:10 PM	12420.001	3.153	10.749	0.642
6/27/2017 1:10:10 PM	12480.001	3.152	10.750	0.644
6/27/2017 1:11:10 PM	12540.001	3.154	10.750	0.640
6/27/2017 1:12:10 PM	12600.001	3.152	10.752	0.644
6/27/2017 1:13:10 PM	12660.001	3.152	10.753	0.645
6/27/2017 1:14:10 PM	12720.001	3.151	10.753	0.647
6/27/2017 1:15:10 PM	12780.001	3.153	10.756	0.643
6/27/2017 1:16:10 PM	12840.001	3.154	10.754	0.640
6/27/2017 1:17:10 PM	12900.001	3.155	10.751	0.639
6/27/2017 1:18:10 PM	12960.001	3.154	10.754	0.641
6/27/2017 1:19:10 PM	13020.001	3.155	10.750	0.639
6/27/2017 1:20:10 PM	13080.001	3.153	10.750	0.641
6/27/2017 1:21:10 PM	13140.001	3.154	10.750	0.641
6/27/2017 1:22:10 PM	13200.001	3.156	10.752	0.637
6/27/2017 1:23:10 PM	13260.001	3.156	10.753	0.636
6/27/2017 1:24:10 PM	13320.001	3.155	10.750	0.638
6/27/2017 1:25:10 PM	13380.001	3.155	10.750	0.638
6/27/2017 1:26:10 PM	13440.001	3.153	10.754	0.642
6/27/2017 1:27:10 PM	13500.001	3.157	10.754	0.634
6/27/2017 1:28:10 PM	13560.001	3.156	10.754	0.635
6/27/2017 1:29:10 PM	13620.001	3.157	10.751	0.634
6/27/2017 1:30:10 PM	13680.001	3.156	10.751	0.636
6/27/2017 1:31:10 PM	13740.001	3.156	10.751	0.637
6/27/2017 1:32:10 PM	13800.001	3.156	10.752	0.636
6/27/2017 1:33:10 PM	13860.001	3.156	10.751	0.635
6/27/2017 1:34:10 PM	13920.001	3.157	10.754	0.633
6/27/2017 1:35:10 PM	13980.001	3.158	10.754	0.632
6/27/2017 1:36:10 PM	14040.001	3.157	10.751	0.633
6/27/2017 1:37:10 PM	14100.001	3.156	10.749	0.635
6/27/2017 1:38:10 PM	14160.001	3.158	10.750	0.631
6/27/2017 1:39:10 PM	14220.001	3.157	10.752	0.633
6/27/2017 1:40:10 PM	14280.001	3.157	10.752	0.633
6/27/2017 1:41:10 PM	14340.001	3.157	10.756	0.633
6/27/2017 1:42:10 PM	14400.001	3.159	10.755	0.628
6/27/2017 1:43:10 PM	14460.001	3.157	10.755	0.633
6/27/2017 1:44:10 PM	14520.001	3.159	10.754	0.629
6/27/2017 1:45:10 PM	14580.001	3.157	10.752	0.632
6/27/2017 1:46:10 PM	14640.001	3.159	10.752	0.628
6/27/2017 1:47:10 PM	14700.001	3.159	10.752	0.628
6/27/2017 1:48:10 PM	14760.001	3.160	10.749	0.626
6/27/2017 1:49:10 PM	14820.001	3.160	10.749	0.627
6/27/2017 1:50:10 PM	14880.001	3.160	10.753	0.625
6/27/2017 1:51:10 PM	14940.001	3.159	10.752	0.628
6/27/2017 1:52:10 PM	15000.001	3.159	10.750	0.629
6/27/2017 1:53:10 PM	15060.001	3.161	10.753	0.625
6/27/2017 1:54:10 PM	15120.001	3.160	10.752	0.626
6/27/2017 1:55:10 PM	15180.001	3.159	10.753	0.629
6/27/2017 1:56:10 PM	15240.001	3.162	10.755	0.621

6/27/2017 1:57:10 PM	15300.001	3.161	10.755	0.625
6/27/2017 1:58:10 PM	15360.001	3.162	10.753	0.621
6/27/2017 1:59:10 PM	15420.001	3.161	10.753	0.623
6/27/2017 2:00:10 PM	15480.001	3.161	10.753	0.623
6/27/2017 2:01:10 PM	15540.001	3.162	10.751	0.622
6/27/2017 2:02:10 PM	15600.001	3.161	10.753	0.623
6/27/2017 2:03:10 PM	15660.001	3.163	10.754	0.620
6/27/2017 2:04:10 PM	15720.001	3.163	10.751	0.619
6/27/2017 2:05:10 PM	15780.001	3.161	10.752	0.624
6/27/2017 2:06:10 PM	15840.001	3.164	10.750	0.617
6/27/2017 2:07:10 PM	15900.001	3.163	10.750	0.618
6/27/2017 2:08:10 PM	15960.001	3.163	10.751	0.620
6/27/2017 2:09:10 PM	16020.001	3.163	10.748	0.618
6/27/2017 2:10:10 PM	16080.001	3.163	10.750	0.618
6/27/2017 2:11:10 PM	16140.001	3.163	10.749	0.618
6/27/2017 2:12:10 PM	16200.001	3.163	10.748	0.621
6/27/2017 2:13:10 PM	16260.001	3.164	10.749	0.617
6/27/2017 2:14:10 PM	16320.001	3.163	10.749	0.620
6/27/2017 2:15:10 PM	16380.001	3.165	10.750	0.616
6/27/2017 2:16:10 PM	16440.001	3.164	10.751	0.618
6/27/2017 2:17:10 PM	16500.001	3.165	10.754	0.615
6/27/2017 2:18:10 PM	16560.001	3.165	10.753	0.615
6/27/2017 2:19:10 PM	16620.001	3.164	10.752	0.617
6/27/2017 2:20:10 PM	16680.001	3.164	10.752	0.617
6/27/2017 2:21:10 PM	16740.001	3.165	10.751	0.615
6/27/2017 2:22:10 PM	16800.001	3.165	10.751	0.616
6/27/2017 2:23:10 PM	16860.001	3.167	10.751	0.611
6/27/2017 2:24:10 PM	16920.001	3.166	10.749	0.612
6/27/2017 2:25:10 PM	16980.001	3.165	10.749	0.616
6/27/2017 2:26:10 PM	17040.001	3.165	10.753	0.614
6/27/2017 2:27:10 PM	17100.001	3.166	10.750	0.612
6/27/2017 2:28:10 PM	17160.001	3.164	10.756	0.617
6/27/2017 2:29:10 PM	17220.001	3.166	10.754	0.612
6/27/2017 2:30:10 PM	17280.001	3.166	10.752	0.613
6/27/2017 2:31:10 PM	17340.001	3.166	10.750	0.611
6/27/2017 2:32:10 PM	17400.001	3.167	10.751	0.610
6/27/2017 2:33:10 PM	17460.001	3.168	10.750	0.608
6/27/2017 2:34:10 PM	17520.001	3.167	10.747	0.610
6/27/2017 2:35:10 PM	17580.001	3.167	10.753	0.610
6/27/2017 2:36:10 PM	17640.001	3.167	10.749	0.611
6/27/2017 2:37:10 PM	17700.001	3.168	10.748	0.607
6/27/2017 2:38:10 PM	17760.001	3.168	10.749	0.608
6/27/2017 2:39:10 PM	17820.001	3.166	10.753	0.612
6/27/2017 2:40:10 PM	17880.001	3.168	10.749	0.608
6/27/2017 2:41:10 PM	17940.001	3.168	10.751	0.608
6/27/2017 2:42:10 PM	18000.001	3.169	10.751	0.606
6/27/2017 2:43:10 PM	18060.001	3.170	10.751	0.603
6/27/2017 2:44:10 PM	18120.001	3.168	10.755	0.607
6/27/2017 2:45:10 PM	18180.001	3.169	10.752	0.606
6/27/2017 2:46:10 PM	18240.001	3.170	10.751	0.604
6/27/2017 2:47:10 PM	18300.001	3.169	10.751	0.605
6/27/2017 2:48:10 PM	18360.001	3.170	10.752	0.604
6/27/2017 2:49:10 PM	18420.001	3.170	10.751	0.603
6/27/2017 2:50:10 PM	18480.001	3.171	10.750	0.602
6/27/2017 2:51:10 PM	18540.001	3.171	10.748	0.601
6/27/2017 2:52:10 PM	18600.001	3.169	10.749	0.605
6/27/2017 2:53:10 PM	18660.001	3.170	10.746	0.603
6/27/2017 2:54:10 PM	18720.001	3.170	10.747	0.603
6/27/2017 2:55:10 PM	18780.001	3.171	10.750	0.601
6/27/2017 2:56:10 PM	18840.001	3.170	10.749	0.603
6/27/2017 2:57:10 PM	18900.001	3.170	10.746	0.603
6/27/2017 2:58:10 PM	18960.001	3.170	10.748	0.603
6/27/2017 2:59:10 PM	19020.001	3.171	10.746	0.602

6/27/2017 3:00:10 PM	19080.001	3.171	10.749	0.601
6/27/2017 3:01:10 PM	19140.001	3.172	10.747	0.600
6/27/2017 3:02:10 PM	19200.001	3.171	10.749	0.601
6/27/2017 3:03:10 PM	19260.001	3.173	10.745	0.596
6/27/2017 3:04:10 PM	19320.001	3.173	10.745	0.595
6/27/2017 3:05:10 PM	19380.001	3.172	10.749	0.598
6/27/2017 3:06:10 PM	19440.001	3.173	10.749	0.597
6/27/2017 3:07:10 PM	19500.001	3.174	10.749	0.595
6/27/2017 3:08:10 PM	19560.001	3.173	10.748	0.597
6/27/2017 3:09:10 PM	19620.001	3.173	10.748	0.595
6/27/2017 3:10:10 PM	19680.001	3.173	10.747	0.597
6/27/2017 3:11:10 PM	19740.001	3.174	10.748	0.594
6/27/2017 3:12:10 PM	19800.001	3.174	10.746	0.595
6/27/2017 3:13:10 PM	19860.001	3.172	10.748	0.598
6/27/2017 3:14:10 PM	19920.001	3.174	10.749	0.595
6/27/2017 3:15:10 PM	19980.001	3.175	10.748	0.592
6/27/2017 3:16:10 PM	20040.001	3.173	10.748	0.597
6/27/2017 3:17:10 PM	20100.001	3.175	10.750	0.592
6/27/2017 3:18:10 PM	20160.001	3.176	10.749	0.590
6/27/2017 3:19:10 PM	20220.001	3.174	10.750	0.594
6/27/2017 3:20:10 PM	20280.001	3.176	10.753	0.590
6/27/2017 3:21:10 PM	20340.001	3.177	10.749	0.588
6/27/2017 3:22:10 PM	20400.001	3.174	10.751	0.595
6/27/2017 3:23:10 PM	20460.001	3.174	10.749	0.593
6/27/2017 3:24:10 PM	20520.001	3.174	10.749	0.593
6/27/2017 3:25:10 PM	20580.001	3.176	10.752	0.589
6/27/2017 3:26:10 PM	20640.001	3.176	10.752	0.589
6/27/2017 3:27:10 PM	20700.001	3.176	10.749	0.589
6/27/2017 3:28:10 PM	20760.001	3.177	10.749	0.586
6/27/2017 3:29:10 PM	20820.001	3.176	10.749	0.590
6/27/2017 3:30:10 PM	20880.001	3.176	10.748	0.588
6/27/2017 3:31:10 PM	20940.001	3.176	10.748	0.589
6/27/2017 3:32:10 PM	21000.001	3.177	10.749	0.588
6/27/2017 3:33:10 PM	21060.001	3.177	10.747	0.586
6/27/2017 3:34:10 PM	21120.001	3.178	10.748	0.586
6/27/2017 3:35:10 PM	21180.001	3.177	10.747	0.588
6/27/2017 3:36:10 PM	21240.001	3.177	10.744	0.587
6/27/2017 3:37:10 PM	21300.001	3.177	10.748	0.586
6/27/2017 3:38:10 PM	21360.001	3.177	10.747	0.588
6/27/2017 3:39:10 PM	21420.001	3.178	10.747	0.584
6/27/2017 3:40:10 PM	21480.001	3.178	10.749	0.584
6/27/2017 3:41:10 PM	21540.001	3.179	10.746	0.582
6/27/2017 3:42:10 PM	21600.001	3.177	10.750	0.586
6/27/2017 3:43:10 PM	21660.001	3.180	10.749	0.581
6/27/2017 3:44:10 PM	21720.001	3.178	10.751	0.585
6/27/2017 3:45:10 PM	21780.001	3.178	10.753	0.585
6/27/2017 3:46:10 PM	21840.001	3.180	10.749	0.581
6/27/2017 3:47:10 PM	21900.001	3.180	10.749	0.581
6/27/2017 3:48:10 PM	21960.001	3.181	10.749	0.577
6/27/2017 3:49:10 PM	22020.001	3.180	10.751	0.579
6/27/2017 3:50:10 PM	22080.001	3.180	10.750	0.580
6/27/2017 3:51:10 PM	22140.001	3.180	10.748	0.581
6/27/2017 3:52:10 PM	22200.001	3.180	10.745	0.579
6/27/2017 3:53:10 PM	22260.001	3.180	10.749	0.579
6/27/2017 3:54:10 PM	22320.001	3.181	10.747	0.577
6/27/2017 3:55:10 PM	22380.001	3.181	10.746	0.578
6/27/2017 3:56:10 PM	22440.001	3.181	10.746	0.577
6/27/2017 3:57:10 PM	22500.001	3.179	10.744	0.582
6/27/2017 3:58:10 PM	22560.001	3.181	10.748	0.578
6/27/2017 3:59:10 PM	22620.001	3.181	10.747	0.577
6/27/2017 4:00:10 PM	22680.001	3.181	10.749	0.577
6/27/2017 4:01:10 PM	22740.001	3.181	10.745	0.577
6/27/2017 4:02:10 PM	22800.001	3.181	10.745	0.579

6/27/2017 4:03:10 PM	22860.001	3.181	10.744	0.578
6/27/2017 4:04:10 PM	22920.001	3.182	10.747	0.575
6/27/2017 4:05:10 PM	22980.001	3.183	10.749	0.573
6/27/2017 4:06:10 PM	23040.001	3.181	10.747	0.577
6/27/2017 4:07:10 PM	23100.001	3.184	10.746	0.571
6/27/2017 4:08:10 PM	23160.001	3.182	10.745	0.576
6/27/2017 4:09:10 PM	23220.001	3.182	10.748	0.577
6/27/2017 4:10:10 PM	23280.001	3.184	10.746	0.572
6/27/2017 4:11:10 PM	23340.001	3.184	10.745	0.572
6/27/2017 4:12:10 PM	23400.001	3.184	10.748	0.570
6/27/2017 4:13:10 PM	23460.001	3.185	10.749	0.569
6/27/2017 4:14:10 PM	23520.001	3.183	10.749	0.573
6/27/2017 4:15:10 PM	23580.001	3.184	10.747	0.571
6/27/2017 4:16:10 PM	23640.001	3.183	10.749	0.573
6/27/2017 4:17:10 PM	23700.001	3.183	10.750	0.573
6/27/2017 4:18:10 PM	23760.001	3.186	10.749	0.566
6/27/2017 4:19:10 PM	23820.001	3.186	10.748	0.567
6/27/2017 4:20:10 PM	23880.001	3.186	10.752	0.565
6/27/2017 4:21:10 PM	23940.001	3.185	10.753	0.569
6/27/2017 4:22:10 PM	24000.001	3.184	10.754	0.570
6/27/2017 4:23:10 PM	24060.001	3.184	10.750	0.571
6/27/2017 4:24:10 PM	24120.001	3.185	10.751	0.568
6/27/2017 4:25:10 PM	24180.001	3.184	10.749	0.571
6/27/2017 4:26:10 PM	24240.001	3.185	10.750	0.570
6/27/2017 4:27:10 PM	24300.001	3.185	10.751	0.568
6/27/2017 4:28:10 PM	24360.001	3.187	10.749	0.565
6/27/2017 4:29:10 PM	24420.001	3.189	10.750	0.560
6/27/2017 4:30:10 PM	24480.001	3.188	10.747	0.562
6/27/2017 4:31:10 PM	24540.001	3.188	10.745	0.562
6/27/2017 4:32:10 PM	24600.001	3.187	10.746	0.564
6/27/2017 4:33:10 PM	24660.001	3.189	10.745	0.559
6/27/2017 4:34:10 PM	24720.001	3.189	10.748	0.560
6/27/2017 4:35:10 PM	24780.001	3.189	10.750	0.559
6/27/2017 4:36:10 PM	24840.001	3.189	10.751	0.559
6/27/2017 4:37:10 PM	24900.001	3.189	10.749	0.559
6/27/2017 4:38:10 PM	24960.001	3.191	10.749	0.556
6/27/2017 4:39:10 PM	25020.001	3.190	10.750	0.557
6/27/2017 4:40:10 PM	25080.001	3.190	10.755	0.558
6/27/2017 4:41:10 PM	25140.001	3.190	10.753	0.557
6/27/2017 4:42:10 PM	25200.001	3.190	10.750	0.558
6/27/2017 4:43:10 PM	25260.001	3.190	10.750	0.556
6/27/2017 4:44:10 PM	25320.001	3.190	10.751	0.558
6/27/2017 4:45:10 PM	25380.001	3.189	10.750	0.559
6/27/2017 4:46:10 PM	25440.001	3.189	10.749	0.559
6/27/2017 4:47:10 PM	25500.001	3.191	10.750	0.555
6/27/2017 4:48:10 PM	25560.001	3.193	10.752	0.550
6/27/2017 4:49:10 PM	25620.001	3.191	10.753	0.554
6/27/2017 4:50:10 PM	25680.001	3.192	10.753	0.553
6/27/2017 4:51:10 PM	25740.001	3.193	10.751	0.550
6/27/2017 4:52:10 PM	25800.001	3.192	10.749	0.553
6/27/2017 4:53:10 PM	25860.001	3.193	10.750	0.550
6/27/2017 4:54:10 PM	25920.001	3.193	10.749	0.550
6/27/2017 4:55:10 PM	25980.001	3.192	10.749	0.554
6/27/2017 4:56:10 PM	26040.001	3.193	10.748	0.551
6/27/2017 4:57:10 PM	26100.001	3.192	10.749	0.552
6/27/2017 4:58:10 PM	26160.001	3.192	10.748	0.553
6/27/2017 4:59:10 PM	26220.001	3.193	10.749	0.550
6/27/2017 5:00:10 PM	26280.001	3.193	10.748	0.551
6/27/2017 5:01:10 PM	26340.001	3.194	10.749	0.548
6/27/2017 5:02:10 PM	26400.001	3.192	10.750	0.551
6/27/2017 5:03:10 PM	26460.001	3.193	10.753	0.550
6/27/2017 5:04:10 PM	26520.001	3.195	10.753	0.546
6/27/2017 5:05:10 PM	26580.001	3.193	10.752	0.550

6/27/2017 5:06:10 PM	26640.001	3.195	10.755	0.546
6/27/2017 5:07:10 PM	26700.001	3.194	10.751	0.548
6/27/2017 5:08:10 PM	26760.001	3.195	10.755	0.547
6/27/2017 5:09:10 PM	26820.001	3.196	10.756	0.544
6/27/2017 5:10:10 PM	26880.001	3.196	10.754	0.543
6/27/2017 5:11:10 PM	26940.001	3.193	10.752	0.549
6/27/2017 5:12:10 PM	27000.001	3.194	10.753	0.548
6/27/2017 5:13:10 PM	27060.001	3.195	10.753	0.546
6/27/2017 5:14:10 PM	27120.001	3.196	10.751	0.543
6/27/2017 5:15:10 PM	27180.001	3.196	10.754	0.542
6/27/2017 5:16:10 PM	27240.001	3.197	10.751	0.541
6/27/2017 5:17:10 PM	27300.001	3.196	10.751	0.543
6/27/2017 5:18:10 PM	27360.001	3.195	10.752	0.546
6/27/2017 5:19:10 PM	27420.001	3.195	10.751	0.546
6/27/2017 5:20:10 PM	27480.001	3.196	10.755	0.542
6/27/2017 5:21:10 PM	27540.001	3.195	10.754	0.545
6/27/2017 5:22:10 PM	27600.001	3.196	10.753	0.544
6/27/2017 5:23:10 PM	27660.001	3.196	10.752	0.544
6/27/2017 5:24:10 PM	27720.001	3.197	10.750	0.540
6/27/2017 5:25:10 PM	27780.001	3.197	10.750	0.541
6/27/2017 5:26:10 PM	27840.001	3.197	10.746	0.540
6/27/2017 5:27:10 PM	27900.001	3.197	10.751	0.542
6/27/2017 5:28:10 PM	27960.001	3.197	10.748	0.541
6/27/2017 5:29:10 PM	28020.001	3.199	10.748	0.536
6/27/2017 5:30:10 PM	28080.001	3.199	10.748	0.537
6/27/2017 5:31:10 PM	28140.001	3.196	10.752	0.544
6/27/2017 5:32:10 PM	28200.001	3.197	10.750	0.540
6/27/2017 5:33:10 PM	28260.001	3.196	10.753	0.542
6/27/2017 5:34:10 PM	28320.001	3.199	10.753	0.537
6/27/2017 5:35:10 PM	28380.001	3.199	10.748	0.537
6/27/2017 5:36:10 PM	28440.001	3.198	10.749	0.538
6/27/2017 5:37:10 PM	28500.001	3.199	10.749	0.536
6/27/2017 5:38:10 PM	28560.001	3.199	10.746	0.536
6/27/2017 5:39:10 PM	28620.001	3.198	10.750	0.538
6/27/2017 5:40:10 PM	28680.001	3.201	10.748	0.532
6/27/2017 5:41:10 PM	28740.001	3.199	10.748	0.537
6/27/2017 5:42:10 PM	28800.001	3.199	10.747	0.536
6/27/2017 5:43:10 PM	28860.001	3.199	10.745	0.535
6/27/2017 5:44:10 PM	28920.001	3.201	10.746	0.533
6/27/2017 5:45:10 PM	28980.001	3.199	10.748	0.536
6/27/2017 5:46:10 PM	29040.001	3.200	10.748	0.534
6/27/2017 5:47:10 PM	29100.001	3.200	10.747	0.534
6/27/2017 5:48:10 PM	29160.001	3.200	10.750	0.535
6/27/2017 5:49:10 PM	29220.001	3.201	10.749	0.531
6/27/2017 5:50:10 PM	29280.001	3.199	10.751	0.537
6/27/2017 5:51:10 PM	29340.001	3.202	10.752	0.530
6/27/2017 5:52:10 PM	29400.001	3.201	10.751	0.531
6/27/2017 5:53:10 PM	29460.001	3.201	10.749	0.532
6/27/2017 5:54:10 PM	29520.001	3.202	10.751	0.529
6/27/2017 5:55:10 PM	29580.001	3.201	10.751	0.532
6/27/2017 5:56:10 PM	29640.001	3.201	10.754	0.531
6/27/2017 5:57:10 PM	29700.001	3.203	10.753	0.528
6/27/2017 5:58:10 PM	29760.001	3.201	10.754	0.531
6/27/2017 5:59:10 PM	29820.001	3.202	10.750	0.528
6/27/2017 6:00:10 PM	29880.001	3.202	10.751	0.530
6/27/2017 6:01:10 PM	29940.001	3.202	10.752	0.529
6/27/2017 6:02:10 PM	30000.001	3.202	10.752	0.528
6/27/2017 6:03:10 PM	30060.001	3.202	10.750	0.529
6/27/2017 6:04:10 PM	30120.001	3.203	10.753	0.528
6/27/2017 6:05:10 PM	30180.001	3.203	10.751	0.528
6/27/2017 6:06:10 PM	30240.001	3.202	10.750	0.530
6/27/2017 6:07:10 PM	30300.001	3.204	10.749	0.525
6/27/2017 6:08:10 PM	30360.001	3.203	10.750	0.527

6/27/2017 6:09:10 PM	30420.001	3.202	10.751	0.528
6/27/2017 6:10:10 PM	30480.001	3.204	10.751	0.526
6/27/2017 6:11:10 PM	30540.001	3.203	10.748	0.526
6/27/2017 6:12:10 PM	30600.001	3.204	10.749	0.525
6/27/2017 6:13:10 PM	30660.001	3.205	10.748	0.523
6/27/2017 6:14:10 PM	30720.001	3.204	10.748	0.525
6/27/2017 6:15:10 PM	30780.001	3.205	10.749	0.522
6/27/2017 6:16:10 PM	30840.001	3.204	10.747	0.524
6/27/2017 6:17:10 PM	30900.001	3.206	10.749	0.521
6/27/2017 6:18:10 PM	30960.001	3.205	10.749	0.523
6/27/2017 6:19:10 PM	31020.001	3.204	10.745	0.525
6/27/2017 6:20:10 PM	31080.001	3.206	10.747	0.521
6/27/2017 6:21:10 PM	31140.001	3.207	10.751	0.519
6/27/2017 6:22:10 PM	31200.001	3.205	10.751	0.522
6/27/2017 6:23:10 PM	31260.001	3.204	10.751	0.525
6/27/2017 6:24:10 PM	31320.001	3.206	10.755	0.519
6/27/2017 6:25:10 PM	31380.001	3.205	10.753	0.522
6/27/2017 6:26:10 PM	31440.001	3.207	10.752	0.519
6/27/2017 6:27:10 PM	31500.001	3.206	10.752	0.520
6/27/2017 6:28:10 PM	31560.001	3.208	10.754	0.516
6/27/2017 6:29:10 PM	31620.001	3.208	10.753	0.516
6/27/2017 6:30:10 PM	31680.001	3.206	10.754	0.519
6/27/2017 6:31:10 PM	31740.001	3.206	10.751	0.519
6/27/2017 6:32:10 PM	31800.001	3.207	10.752	0.518
6/27/2017 6:33:10 PM	31860.001	3.207	10.752	0.518
6/27/2017 6:34:10 PM	31920.001	3.207	10.752	0.518
6/27/2017 6:35:10 PM	31980.001	3.207	10.753	0.517
6/27/2017 6:36:10 PM	32040.001	3.207	10.753	0.518
6/27/2017 6:37:10 PM	32100.001	3.206	10.753	0.519
6/27/2017 6:38:10 PM	32160.001	3.205	10.751	0.522
6/27/2017 6:39:10 PM	32220.001	3.207	10.754	0.518
6/27/2017 6:40:10 PM	32280.001	3.208	10.754	0.515
6/27/2017 6:41:10 PM	32340.001	3.208	10.752	0.514
6/27/2017 6:42:10 PM	32400.001	3.208	10.753	0.515
6/27/2017 6:43:10 PM	32460.001	3.208	10.750	0.515
6/27/2017 6:44:10 PM	32520.001	3.211	10.753	0.509
6/27/2017 6:45:10 PM	32580.001	3.208	10.752	0.514
6/27/2017 6:46:10 PM	32640.001	3.210	10.749	0.512
6/27/2017 6:47:10 PM	32700.001	3.209	10.751	0.513
6/27/2017 6:48:10 PM	32760.001	3.209	10.752	0.513
6/27/2017 6:49:10 PM	32820.001	3.210	10.753	0.511
6/27/2017 6:50:10 PM	32880.001	3.210	10.753	0.512
6/27/2017 6:51:10 PM	32940.001	3.211	10.754	0.508
6/27/2017 6:52:10 PM	33000.001	3.210	10.753	0.510
6/27/2017 6:53:10 PM	33060.001	3.211	10.753	0.508
6/27/2017 6:54:10 PM	33120.001	3.212	10.754	0.507
6/27/2017 6:55:10 PM	33180.001	3.211	10.754	0.510
6/27/2017 6:56:10 PM	33240.001	3.212	10.751	0.507
6/27/2017 6:57:10 PM	33300.001	3.210	10.752	0.510
6/27/2017 6:58:10 PM	33360.001	3.212	10.750	0.507
6/27/2017 6:59:10 PM	33420.001	3.212	10.751	0.506
6/27/2017 7:00:10 PM	33480.001	3.211	10.749	0.509
6/27/2017 7:01:10 PM	33540.001	3.211	10.753	0.508
6/27/2017 7:02:10 PM	33600.001	3.211	10.749	0.508
6/27/2017 7:03:10 PM	33660.001	3.213	10.749	0.504
6/27/2017 7:04:10 PM	33720.001	3.212	10.749	0.506
6/27/2017 7:05:10 PM	33780.001	3.212	10.748	0.506
6/27/2017 7:06:10 PM	33840.001	3.211	10.749	0.508
6/27/2017 7:07:10 PM	33900.001	3.213	10.750	0.504
6/27/2017 7:08:10 PM	33960.001	3.212	10.751	0.506
6/27/2017 7:09:10 PM	34020.001	3.212	10.750	0.505
6/27/2017 7:10:10 PM	34080.001	3.213	10.750	0.503
6/27/2017 7:11:10 PM	34140.001	3.214	10.748	0.502

6/27/2017 7:12:10 PM	34200.001	3.212	10.749	0.506
6/27/2017 7:13:10 PM	34260.001	3.213	10.751	0.504
6/27/2017 7:14:10 PM	34320.001	3.212	10.752	0.506
6/27/2017 7:15:10 PM	34380.001	3.215	10.753	0.499
6/27/2017 7:16:10 PM	34440.001	3.214	10.754	0.502
6/27/2017 7:17:10 PM	34500.001	3.214	10.755	0.502
6/27/2017 7:18:10 PM	34560.001	3.216	10.754	0.498
6/27/2017 7:19:10 PM	34620.001	3.213	10.757	0.503
6/27/2017 7:20:10 PM	34680.001	3.215	10.755	0.498
6/27/2017 7:21:10 PM	34740.001	3.215	10.757	0.500
6/27/2017 7:22:10 PM	34800.001	3.215	10.756	0.500
6/27/2017 7:23:10 PM	34860.001	3.216	10.757	0.497
6/27/2017 7:24:10 PM	34920.001	3.215	10.756	0.499
6/27/2017 7:25:10 PM	34980.001	3.216	10.753	0.498
6/27/2017 7:26:10 PM	35040.001	3.216	10.753	0.497
6/27/2017 7:27:10 PM	35100.001	3.217	10.751	0.496
6/27/2017 7:28:10 PM	35160.001	3.215	10.752	0.500
6/27/2017 7:29:10 PM	35220.001	3.216	10.751	0.496
6/27/2017 7:30:10 PM	35280.001	3.215	10.754	0.498
6/27/2017 7:31:10 PM	35340.001	3.216	10.753	0.497
6/27/2017 7:32:10 PM	35400.001	3.216	10.749	0.497
6/27/2017 7:33:10 PM	35460.001	3.216	10.749	0.496
6/27/2017 7:34:10 PM	35520.001	3.218	10.754	0.493
6/27/2017 7:35:10 PM	35580.001	3.216	10.751	0.497
6/27/2017 7:36:10 PM	35640.001	3.216	10.750	0.497
6/27/2017 7:37:10 PM	35700.001	3.217	10.749	0.494
6/27/2017 7:38:10 PM	35760.001	3.217	10.749	0.495
6/27/2017 7:39:10 PM	35820.001	3.218	10.749	0.493
6/27/2017 7:40:10 PM	35880.001	3.218	10.751	0.493
6/27/2017 7:41:10 PM	35940.001	3.218	10.747	0.493
6/27/2017 7:42:10 PM	36000.001	3.218	10.749	0.491
6/27/2017 7:43:10 PM	36060.001	3.218	10.754	0.493
6/27/2017 7:44:10 PM	36120.001	3.218	10.755	0.493
6/27/2017 7:45:10 PM	36180.001	3.219	10.756	0.489
6/27/2017 7:46:10 PM	36240.001	3.219	10.756	0.490
6/27/2017 7:47:10 PM	36300.001	3.218	10.755	0.492
6/27/2017 7:48:10 PM	36360.001	3.220	10.757	0.489
6/27/2017 7:49:10 PM	36420.001	3.217	10.758	0.495
6/27/2017 7:50:10 PM	36480.001	3.219	10.755	0.490
6/27/2017 7:51:10 PM	36540.001	3.220	10.754	0.487
6/27/2017 7:52:10 PM	36600.001	3.219	10.755	0.489
6/27/2017 7:53:10 PM	36660.001	3.219	10.750	0.489
6/27/2017 7:54:10 PM	36720.001	3.219	10.750	0.489
6/27/2017 7:55:10 PM	36780.001	3.218	10.750	0.492
6/27/2017 7:56:10 PM	36840.001	3.220	10.750	0.488
6/27/2017 7:57:10 PM	36900.001	3.219	10.749	0.490
6/27/2017 7:58:10 PM	36960.001	3.221	10.750	0.486
6/27/2017 7:59:10 PM	37020.001	3.221	10.751	0.485
6/27/2017 8:00:10 PM	37080.001	3.220	10.750	0.488
6/27/2017 8:01:10 PM	37140.001	3.221	10.752	0.486
6/27/2017 8:02:10 PM	37200.001	3.221	10.754	0.485
6/27/2017 8:03:10 PM	37260.001	3.222	10.756	0.484
6/27/2017 8:04:10 PM	37320.001	3.221	10.756	0.485
6/27/2017 8:05:10 PM	37380.001	3.222	10.753	0.483
6/27/2017 8:06:10 PM	37440.001	3.221	10.755	0.487
6/27/2017 8:07:10 PM	37500.001	3.222	10.754	0.483
6/27/2017 8:08:10 PM	37560.001	3.221	10.750	0.485
6/27/2017 8:09:10 PM	37620.001	3.221	10.748	0.486
6/27/2017 8:10:10 PM	37680.001	3.221	10.749	0.485
6/27/2017 8:11:10 PM	37740.001	3.221	10.751	0.485
6/27/2017 8:12:10 PM	37800.001	3.223	10.755	0.482
6/27/2017 8:13:10 PM	37860.001	3.222	10.753	0.483
6/27/2017 8:14:10 PM	37920.001	3.223	10.752	0.481

6/27/2017 8:15:10 PM	37980.001	3.222	10.751	0.483
6/27/2017 8:16:10 PM	38040.001	3.222	10.752	0.482
6/27/2017 8:17:10 PM	38100.001	3.223	10.752	0.480
6/27/2017 8:18:10 PM	38160.001	3.222	10.753	0.483
6/27/2017 8:19:10 PM	38220.001	3.223	10.751	0.482
6/27/2017 8:20:10 PM	38280.001	3.223	10.753	0.480
6/27/2017 8:21:10 PM	38340.001	3.224	10.749	0.478
6/27/2017 8:22:10 PM	38400.001	3.224	10.751	0.478
6/27/2017 8:23:10 PM	38460.001	3.224	10.754	0.478
6/27/2017 8:24:10 PM	38520.001	3.224	10.757	0.479
6/27/2017 8:25:10 PM	38580.001	3.224	10.756	0.479
6/27/2017 8:26:10 PM	38640.001	3.224	10.759	0.479
6/27/2017 8:27:10 PM	38700.001	3.225	10.756	0.477
6/27/2017 8:28:10 PM	38760.001	3.225	10.758	0.476
6/27/2017 8:29:10 PM	38820.001	3.225	10.761	0.477
6/27/2017 8:30:10 PM	38880.001	3.224	10.758	0.478
6/27/2017 8:31:10 PM	38940.001	3.226	10.759	0.474
6/27/2017 8:32:10 PM	39000.001	3.225	10.761	0.475
6/27/2017 8:33:10 PM	39060.001	3.224	10.762	0.478
6/27/2017 8:34:10 PM	39120.001	3.225	10.761	0.475
6/27/2017 8:35:10 PM	39180.001	3.226	10.765	0.474
6/27/2017 8:36:10 PM	39240.001	3.227	10.765	0.472
6/27/2017 8:37:10 PM	39300.001	3.225	10.769	0.477
6/27/2017 8:38:10 PM	39360.001	3.227	10.767	0.472
6/27/2017 8:39:10 PM	39420.001	3.227	10.766	0.472
6/27/2017 8:40:10 PM	39480.001	3.226	10.767	0.474
6/27/2017 8:41:10 PM	39540.001	3.225	10.762	0.476
6/27/2017 8:42:10 PM	39600.001	3.227	10.764	0.472
6/27/2017 8:43:10 PM	39660.001	3.226	10.763	0.473
6/27/2017 8:44:10 PM	39720.001	3.227	10.766	0.472
6/27/2017 8:45:10 PM	39780.001	3.227	10.765	0.471
6/27/2017 8:46:10 PM	39840.001	3.228	10.761	0.470
6/27/2017 8:47:10 PM	39900.001	3.229	10.763	0.468
6/27/2017 8:48:10 PM	39960.001	3.229	10.762	0.468
6/27/2017 8:49:10 PM	40020.001	3.227	10.760	0.471
6/27/2017 8:50:10 PM	40080.001	3.228	10.760	0.470
6/27/2017 8:51:10 PM	40140.001	3.227	10.761	0.473
6/27/2017 8:52:10 PM	40200.001	3.228	10.757	0.469
6/27/2017 8:53:10 PM	40260.001	3.228	10.757	0.468
6/27/2017 8:54:10 PM	40320.001	3.228	10.756	0.469
6/27/2017 8:55:10 PM	40380.001	3.228	10.757	0.468
6/27/2017 8:56:10 PM	40440.001	3.229	10.755	0.467
6/27/2017 8:57:10 PM	40500.001	3.228	10.757	0.469
6/27/2017 8:58:10 PM	40560.001	3.230	10.756	0.465
6/27/2017 8:59:10 PM	40620.001	3.230	10.755	0.464
6/27/2017 9:00:10 PM	40680.001	3.229	10.757	0.466
6/27/2017 9:01:10 PM	40740.001	3.228	10.757	0.470
6/27/2017 9:02:10 PM	40800.001	3.228	10.755	0.468
6/27/2017 9:03:10 PM	40860.001	3.230	10.757	0.465
6/27/2017 9:04:10 PM	40920.001	3.230	10.756	0.464
6/27/2017 9:05:10 PM	40980.001	3.231	10.756	0.463
6/27/2017 9:06:10 PM	41040.001	3.229	10.754	0.466
6/27/2017 9:07:10 PM	41100.001	3.231	10.757	0.463
6/27/2017 9:08:10 PM	41160.001	3.232	10.756	0.460
6/27/2017 9:09:10 PM	41220.001	3.230	10.754	0.465
6/27/2017 9:10:10 PM	41280.001	3.229	10.756	0.467
6/27/2017 9:11:10 PM	41340.001	3.230	10.757	0.465
6/27/2017 9:12:10 PM	41400.001	3.230	10.753	0.465
6/27/2017 9:13:10 PM	41460.001	3.231	10.754	0.463
6/27/2017 9:14:10 PM	41520.001	3.230	10.757	0.464
6/27/2017 9:15:10 PM	41580.001	3.231	10.755	0.463
6/27/2017 9:16:10 PM	41640.001	3.230	10.754	0.464
6/27/2017 9:17:10 PM	41700.001	3.232	10.756	0.460

6/27/2017 9:18:10 PM	41760.001	3.232	10.756	0.460
6/27/2017 9:19:10 PM	41820.001	3.233	10.756	0.459
6/27/2017 9:20:10 PM	41880.001	3.233	10.758	0.458
6/27/2017 9:21:10 PM	41940.001	3.232	10.753	0.459
6/27/2017 9:22:10 PM	42000.001	3.233	10.754	0.459
6/27/2017 9:23:10 PM	42060.001	3.232	10.753	0.460
6/27/2017 9:24:10 PM	42120.001	3.231	10.750	0.462
6/27/2017 9:25:10 PM	42180.001	3.233	10.750	0.459
6/27/2017 9:26:10 PM	42240.001	3.234	10.752	0.455
6/27/2017 9:27:10 PM	42300.001	3.234	10.751	0.456
6/27/2017 9:28:10 PM	42360.001	3.235	10.752	0.454
6/27/2017 9:29:10 PM	42420.001	3.234	10.752	0.455
6/27/2017 9:30:10 PM	42480.001	3.233	10.753	0.457
6/27/2017 9:31:10 PM	42540.001	3.233	10.752	0.457
6/27/2017 9:32:10 PM	42600.001	3.235	10.754	0.453
6/27/2017 9:33:10 PM	42660.001	3.234	10.752	0.455
6/27/2017 9:34:10 PM	42720.001	3.235	10.755	0.453
6/27/2017 9:35:10 PM	42780.001	3.235	10.753	0.454
6/27/2017 9:36:10 PM	42840.001	3.234	10.756	0.455
6/27/2017 9:37:10 PM	42900.001	3.235	10.757	0.454
6/27/2017 9:38:10 PM	42960.001	3.234	10.754	0.454
6/27/2017 9:39:10 PM	43020.001	3.235	10.759	0.454
6/27/2017 9:40:10 PM	43080.001	3.235	10.759	0.452
6/27/2017 9:41:10 PM	43140.001	3.234	10.760	0.455
6/27/2017 9:42:10 PM	43200.001	3.235	10.759	0.453
6/27/2017 9:43:10 PM	43260.001	3.235	10.758	0.454
6/27/2017 9:44:10 PM	43320.001	3.236	10.759	0.451
6/27/2017 9:45:10 PM	43380.001	3.236	10.759	0.451
6/27/2017 9:46:10 PM	43440.001	3.235	10.759	0.453
6/27/2017 9:47:10 PM	43500.001	3.236	10.756	0.451
6/27/2017 9:48:10 PM	43560.001	3.235	10.756	0.453
6/27/2017 9:49:10 PM	43620.001	3.235	10.754	0.453
6/27/2017 9:50:10 PM	43680.001	3.237	10.753	0.449
6/27/2017 9:51:10 PM	43740.001	3.236	10.754	0.451
6/27/2017 9:52:10 PM	43800.001	3.235	10.756	0.453
6/27/2017 9:53:10 PM	43860.001	3.236	10.751	0.452
6/27/2017 9:54:10 PM	43920.001	3.236	10.752	0.450
6/27/2017 9:55:10 PM	43980.001	3.238	10.755	0.447
6/27/2017 9:56:10 PM	44040.001	3.237	10.751	0.449
6/27/2017 9:57:10 PM	44100.001	3.239	10.751	0.445
6/27/2017 9:58:10 PM	44160.001	3.236	10.753	0.450
6/27/2017 9:59:10 PM	44220.001	3.238	10.752	0.446
6/27/2017 10:00:10 PM	44280.001	3.239	10.755	0.445
6/27/2017 10:01:10 PM	44340.001	3.237	10.754	0.449
6/27/2017 10:02:10 PM	44400.001	3.239	10.753	0.445
6/27/2017 10:03:10 PM	44460.001	3.238	10.758	0.446
6/27/2017 10:04:10 PM	44520.001	3.238	10.757	0.445
6/27/2017 10:05:10 PM	44580.001	3.239	10.755	0.445
6/27/2017 10:06:10 PM	44640.001	3.239	10.754	0.444
6/27/2017 10:07:10 PM	44700.001	3.238	10.758	0.446
6/27/2017 10:08:10 PM	44760.001	3.239	10.757	0.443
6/27/2017 10:09:10 PM	44820.001	3.239	10.759	0.443
6/27/2017 10:10:10 PM	44880.001	3.239	10.759	0.443
6/27/2017 10:11:10 PM	44940.001	3.240	10.758	0.443
6/27/2017 10:12:10 PM	45000.001	3.239	10.759	0.443
6/27/2017 10:13:10 PM	45060.001	3.238	10.759	0.446
6/27/2017 10:14:10 PM	45120.001	3.241	10.758	0.439
6/27/2017 10:15:10 PM	45180.001	3.240	10.757	0.442
6/27/2017 10:16:10 PM	45240.001	3.242	10.760	0.438
6/27/2017 10:17:10 PM	45300.001	3.241	10.756	0.440
6/27/2017 10:18:10 PM	45360.001	3.240	10.756	0.442
6/27/2017 10:19:10 PM	45420.001	3.242	10.754	0.437
6/27/2017 10:20:10 PM	45480.001	3.241	10.758	0.440

6/27/2017 10:21:10 PM	45540.001	3.241	10.757	0.440
6/27/2017 10:22:10 PM	45600.001	3.242	10.757	0.437
6/27/2017 10:23:10 PM	45660.001	3.242	10.755	0.436
6/27/2017 10:24:10 PM	45720.001	3.243	10.755	0.435
6/27/2017 10:25:10 PM	45780.001	3.242	10.759	0.436
6/27/2017 10:26:10 PM	45840.001	3.242	10.755	0.436
6/27/2017 10:27:10 PM	45900.001	3.243	10.757	0.434
6/27/2017 10:28:10 PM	45960.001	3.242	10.758	0.436
6/27/2017 10:29:10 PM	46020.001	3.242	10.758	0.437
6/27/2017 10:30:10 PM	46080.001	3.244	10.760	0.434
6/27/2017 10:31:10 PM	46140.001	3.242	10.759	0.436
6/27/2017 10:32:10 PM	46200.001	3.242	10.759	0.436
6/27/2017 10:33:10 PM	46260.001	3.243	10.761	0.435
6/27/2017 10:34:10 PM	46320.001	3.243	10.762	0.434
6/27/2017 10:35:10 PM	46380.001	3.242	10.759	0.438
6/27/2017 10:36:10 PM	46440.001	3.243	10.757	0.434
6/27/2017 10:37:10 PM	46500.001	3.244	10.755	0.431
6/27/2017 10:38:10 PM	46560.001	3.244	10.758	0.434
6/27/2017 10:39:10 PM	46620.001	3.244	10.757	0.433
6/27/2017 10:40:10 PM	46680.001	3.245	10.759	0.429
6/27/2017 10:41:10 PM	46740.001	3.245	10.759	0.431
6/27/2017 10:42:10 PM	46800.001	3.245	10.763	0.430
6/27/2017 10:43:10 PM	46860.001	3.245	10.762	0.430
6/27/2017 10:44:10 PM	46920.001	3.244	10.757	0.431
6/27/2017 10:45:10 PM	46980.001	3.244	10.758	0.431
6/27/2017 10:46:10 PM	47040.001	3.244	10.759	0.432
6/27/2017 10:47:10 PM	47100.001	3.245	10.761	0.430
6/27/2017 10:48:10 PM	47160.001	3.245	10.757	0.431
6/27/2017 10:49:10 PM	47220.001	3.246	10.756	0.428
6/27/2017 10:50:10 PM	47280.001	3.246	10.758	0.428
6/27/2017 10:51:10 PM	47340.001	3.245	10.756	0.429
6/27/2017 10:52:10 PM	47400.001	3.244	10.758	0.432
6/27/2017 10:53:10 PM	47460.001	3.245	10.757	0.429
6/27/2017 10:54:10 PM	47520.001	3.245	10.758	0.429
6/27/2017 10:55:10 PM	47580.001	3.245	10.755	0.429
6/27/2017 10:56:10 PM	47640.001	3.247	10.756	0.426
6/27/2017 10:57:10 PM	47700.001	3.245	10.753	0.430
6/27/2017 10:58:10 PM	47760.001	3.245	10.759	0.430
6/27/2017 10:59:10 PM	47820.001	3.246	10.758	0.427
6/27/2017 11:00:10 PM	47880.001	3.247	10.756	0.425
6/27/2017 11:01:10 PM	47940.001	3.246	10.756	0.427
6/27/2017 11:02:10 PM	48000.001	3.248	10.755	0.423
6/27/2017 11:03:10 PM	48060.001	3.246	10.752	0.427
6/27/2017 11:04:10 PM	48120.001	3.247	10.751	0.425
6/27/2017 11:05:10 PM	48180.001	3.247	10.754	0.425
6/27/2017 11:06:10 PM	48240.001	3.247	10.752	0.424
6/27/2017 11:07:10 PM	48300.001	3.248	10.754	0.422
6/27/2017 11:08:10 PM	48360.001	3.249	10.754	0.421
6/27/2017 11:09:10 PM	48420.001	3.249	10.756	0.422
6/27/2017 11:10:10 PM	48480.001	3.248	10.755	0.424
6/27/2017 11:11:10 PM	48540.001	3.250	10.757	0.419
6/27/2017 11:12:10 PM	48600.001	3.248	10.758	0.423
6/27/2017 11:13:10 PM	48660.001	3.248	10.756	0.424
6/27/2017 11:14:10 PM	48720.001	3.248	10.754	0.424
6/27/2017 11:15:10 PM	48780.001	3.249	10.758	0.421
6/27/2017 11:16:10 PM	48840.001	3.250	10.758	0.419
6/27/2017 11:17:10 PM	48900.001	3.250	10.757	0.419
6/27/2017 11:18:10 PM	48960.001	3.249	10.758	0.421
6/27/2017 11:19:10 PM	49020.001	3.250	10.757	0.419
6/27/2017 11:20:10 PM	49080.001	3.249	10.755	0.422
6/27/2017 11:21:10 PM	49140.001	3.250	10.758	0.418
6/27/2017 11:22:10 PM	49200.001	3.250	10.756	0.417
6/27/2017 11:23:10 PM	49260.001	3.250	10.756	0.419

6/27/2017 11:24:10 PM	49320.001	3.250	10.758	0.418
6/27/2017 11:25:10 PM	49380.001	3.250	10.758	0.418
6/27/2017 11:26:10 PM	49440.001	3.250	10.756	0.419
6/27/2017 11:27:10 PM	49500.001	3.251	10.756	0.416
6/27/2017 11:28:10 PM	49560.001	3.250	10.757	0.418
6/27/2017 11:29:10 PM	49620.001	3.253	10.757	0.412
6/27/2017 11:30:10 PM	49680.001	3.252	10.759	0.414
6/27/2017 11:31:10 PM	49740.001	3.251	10.757	0.416
6/27/2017 11:32:10 PM	49800.001	3.251	10.755	0.415
6/27/2017 11:33:10 PM	49860.001	3.251	10.758	0.415
6/27/2017 11:34:10 PM	49920.001	3.251	10.756	0.416
6/27/2017 11:35:10 PM	49980.001	3.253	10.756	0.412
6/27/2017 11:36:10 PM	50040.001	3.252	10.758	0.413
6/27/2017 11:37:10 PM	50100.001	3.251	10.759	0.416
6/27/2017 11:38:10 PM	50160.001	3.253	10.759	0.412
6/27/2017 11:39:10 PM	50220.001	3.253	10.758	0.412
6/27/2017 11:40:10 PM	50280.001	3.253	10.761	0.413
6/27/2017 11:41:10 PM	50340.001	3.252	10.761	0.413
6/27/2017 11:42:10 PM	50400.001	3.252	10.758	0.414
6/27/2017 11:43:10 PM	50460.001	3.253	10.764	0.411
6/27/2017 11:44:10 PM	50520.001	3.253	10.763	0.412
6/27/2017 11:45:10 PM	50580.001	3.253	10.761	0.411
6/27/2017 11:46:10 PM	50640.001	3.254	10.762	0.409
6/27/2017 11:47:10 PM	50700.001	3.253	10.762	0.411
6/27/2017 11:48:10 PM	50760.001	3.255	10.760	0.407
6/27/2017 11:49:10 PM	50820.001	3.254	10.762	0.410
6/27/2017 11:50:10 PM	50880.001	3.254	10.759	0.409
6/27/2017 11:51:10 PM	50940.001	3.254	10.757	0.410
6/27/2017 11:52:10 PM	51000.001	3.254	10.757	0.408
6/27/2017 11:53:10 PM	51060.001	3.255	10.760	0.407
6/27/2017 11:54:10 PM	51120.001	3.254	10.758	0.409
6/27/2017 11:55:10 PM	51180.001	3.255	10.759	0.407
6/27/2017 11:56:10 PM	51240.001	3.254	10.760	0.410
6/27/2017 11:57:10 PM	51300.001	3.254	10.761	0.408
6/27/2017 11:58:10 PM	51360.001	3.256	10.759	0.405
6/27/2017 11:59:10 PM	51420.001	3.256	10.760	0.404
6/28/2017 12:00:10 AM	51480.001	3.255	10.761	0.406
6/28/2017 12:01:10 AM	51540.001	3.255	10.759	0.406
6/28/2017 12:02:10 AM	51600.001	3.256	10.761	0.404
6/28/2017 12:03:10 AM	51660.001	3.256	10.760	0.405
6/28/2017 12:04:10 AM	51720.001	3.257	10.760	0.403
6/28/2017 12:05:10 AM	51780.001	3.257	10.759	0.402
6/28/2017 12:06:10 AM	51840.001	3.257	10.758	0.403
6/28/2017 12:07:10 AM	51900.001	3.255	10.757	0.406
6/28/2017 12:08:10 AM	51960.001	3.256	10.757	0.404
6/28/2017 12:09:10 AM	52020.001	3.258	10.756	0.399
6/28/2017 12:10:10 AM	52080.001	3.258	10.757	0.401
6/28/2017 12:11:10 AM	52140.001	3.258	10.756	0.401
6/28/2017 12:12:10 AM	52200.001	3.258	10.758	0.401
6/28/2017 12:13:10 AM	52260.001	3.258	10.758	0.400
6/28/2017 12:14:10 AM	52320.001	3.257	10.757	0.403
6/28/2017 12:15:10 AM	52380.001	3.259	10.758	0.398
6/28/2017 12:16:10 AM	52440.001	3.258	10.757	0.401
6/28/2017 12:17:10 AM	52500.001	3.259	10.755	0.397
6/28/2017 12:18:10 AM	52560.001	3.259	10.756	0.398
6/28/2017 12:19:10 AM	52620.001	3.258	10.758	0.401
6/28/2017 12:20:10 AM	52680.001	3.259	10.757	0.399
6/28/2017 12:21:10 AM	52740.001	3.259	10.759	0.398
6/28/2017 12:22:10 AM	52800.001	3.259	10.755	0.398
6/28/2017 12:23:10 AM	52860.001	3.259	10.759	0.398
6/28/2017 12:24:10 AM	52920.001	3.259	10.757	0.399
6/28/2017 12:25:10 AM	52980.001	3.260	10.759	0.396
6/28/2017 12:26:10 AM	53040.001	3.260	10.757	0.395

6/28/2017 12:27:10 AM	53100.001	3.259	10.758	0.397
6/28/2017 12:28:10 AM	53160.001	3.259	10.758	0.397
6/28/2017 12:29:10 AM	53220.001	3.260	10.755	0.396
6/28/2017 12:30:10 AM	53280.001	3.260	10.758	0.395
6/28/2017 12:31:10 AM	53340.001	3.260	10.757	0.394
6/28/2017 12:32:10 AM	53400.001	3.261	10.762	0.394
6/28/2017 12:33:10 AM	53460.001	3.261	10.757	0.394
6/28/2017 12:34:10 AM	53520.001	3.260	10.759	0.395
6/28/2017 12:35:10 AM	53580.001	3.262	10.760	0.391
6/28/2017 12:36:10 AM	53640.001	3.262	10.759	0.391
6/28/2017 12:37:10 AM	53700.001	3.261	10.759	0.394
6/28/2017 12:38:10 AM	53760.001	3.262	10.759	0.392
6/28/2017 12:39:10 AM	53820.001	3.263	10.761	0.389
6/28/2017 12:40:10 AM	53880.001	3.261	10.759	0.393
6/28/2017 12:41:10 AM	53940.001	3.259	10.759	0.399
6/28/2017 12:42:10 AM	54000.001	3.261	10.758	0.392
6/28/2017 12:43:10 AM	54060.001	3.263	10.760	0.388
6/28/2017 12:44:10 AM	54120.001	3.264	10.760	0.387
6/28/2017 12:45:10 AM	54180.001	3.263	10.759	0.389
6/28/2017 12:46:10 AM	54240.001	3.263	10.759	0.389
6/28/2017 12:47:10 AM	54300.001	3.263	10.759	0.389
6/28/2017 12:48:10 AM	54360.001	3.263	10.759	0.389
6/28/2017 12:49:10 AM	54420.001	3.263	10.759	0.389
6/28/2017 12:50:10 AM	54480.001	3.263	10.761	0.389
6/28/2017 12:51:10 AM	54540.001	3.265	10.760	0.385
6/28/2017 12:52:10 AM	54600.001	3.263	10.761	0.388
6/28/2017 12:53:10 AM	54660.001	3.265	10.758	0.383
6/28/2017 12:54:10 AM	54720.001	3.265	10.761	0.385
6/28/2017 12:55:10 AM	54780.001	3.264	10.759	0.387
6/28/2017 12:56:10 AM	54840.001	3.265	10.758	0.384
6/28/2017 12:57:10 AM	54900.001	3.264	10.759	0.386
6/28/2017 12:58:10 AM	54960.001	3.265	10.757	0.384
6/28/2017 12:59:10 AM	55020.001	3.265	10.759	0.383
6/28/2017 1:00:10 AM	55080.001	3.265	10.761	0.384
6/28/2017 1:01:10 AM	55140.001	3.266	10.758	0.383
6/28/2017 1:02:10 AM	55200.001	3.265	10.759	0.384
6/28/2017 1:03:10 AM	55260.001	3.264	10.760	0.387
6/28/2017 1:04:10 AM	55320.001	3.265	10.759	0.384
6/28/2017 1:05:10 AM	55380.001	3.264	10.760	0.385
6/28/2017 1:06:10 AM	55440.001	3.266	10.761	0.381
6/28/2017 1:07:10 AM	55500.001	3.266	10.760	0.381
6/28/2017 1:08:10 AM	55560.001	3.266	10.759	0.381
6/28/2017 1:09:10 AM	55620.001	3.265	10.759	0.383
6/28/2017 1:10:10 AM	55680.001	3.267	10.759	0.380
6/28/2017 1:11:10 AM	55740.001	3.265	10.760	0.383
6/28/2017 1:12:10 AM	55800.001	3.267	10.762	0.380
6/28/2017 1:13:10 AM	55860.001	3.268	10.758	0.378
6/28/2017 1:14:10 AM	55920.001	3.266	10.759	0.381
6/28/2017 1:15:10 AM	55980.001	3.268	10.759	0.376
6/28/2017 1:16:10 AM	56040.001	3.268	10.757	0.378
6/28/2017 1:17:10 AM	56100.001	3.268	10.758	0.377
6/28/2017 1:18:10 AM	56160.001	3.268	10.759	0.377
6/28/2017 1:19:10 AM	56220.001	3.269	10.756	0.376
6/28/2017 1:20:10 AM	56280.001	3.268	10.759	0.376
6/28/2017 1:21:10 AM	56340.001	3.268	10.759	0.376
6/28/2017 1:22:10 AM	56400.001	3.268	10.759	0.377
6/28/2017 1:23:10 AM	56460.001	3.269	10.756	0.375
6/28/2017 1:24:10 AM	56520.001	3.269	10.760	0.375
6/28/2017 1:25:10 AM	56580.001	3.269	10.760	0.375
6/28/2017 1:26:10 AM	56640.001	3.268	10.763	0.376
6/28/2017 1:27:10 AM	56700.001	3.269	10.760	0.374
6/28/2017 1:28:10 AM	56760.001	3.268	10.763	0.376
6/28/2017 1:29:10 AM	56820.001	3.270	10.760	0.372

6/28/2017 1:30:10 AM	56880.001	3.271	10.761	0.371
6/28/2017 1:31:10 AM	56940.001	3.269	10.761	0.374
6/28/2017 1:32:10 AM	57000.001	3.270	10.761	0.372
6/28/2017 1:33:10 AM	57060.001	3.271	10.759	0.370
6/28/2017 1:34:10 AM	57120.001	3.270	10.759	0.372
6/28/2017 1:35:10 AM	57180.001	3.270	10.761	0.372
6/28/2017 1:36:10 AM	57240.001	3.272	10.760	0.367
6/28/2017 1:37:10 AM	57300.001	3.270	10.763	0.372
6/28/2017 1:38:10 AM	57360.001	3.270	10.762	0.372
6/28/2017 1:39:10 AM	57420.001	3.271	10.762	0.371
6/28/2017 1:40:10 AM	57480.001	3.271	10.760	0.369
6/28/2017 1:41:10 AM	57540.001	3.271	10.761	0.370
6/28/2017 1:42:10 AM	57600.001	3.272	10.761	0.368
6/28/2017 1:43:10 AM	57660.001	3.272	10.761	0.368
6/28/2017 1:44:10 AM	57720.001	3.273	10.762	0.366
6/28/2017 1:45:10 AM	57780.001	3.273	10.761	0.365
6/28/2017 1:46:10 AM	57840.001	3.273	10.758	0.366
6/28/2017 1:47:10 AM	57900.001	3.272	10.759	0.368
6/28/2017 1:48:10 AM	57960.001	3.274	10.760	0.364
6/28/2017 1:49:10 AM	58020.001	3.273	10.762	0.366
6/28/2017 1:50:10 AM	58080.001	3.273	10.759	0.366
6/28/2017 1:51:10 AM	58140.001	3.274	10.760	0.363
6/28/2017 1:52:10 AM	58200.001	3.274	10.761	0.363
6/28/2017 1:53:10 AM	58260.001	3.273	10.760	0.365
6/28/2017 1:54:10 AM	58320.001	3.273	10.759	0.365
6/28/2017 1:55:10 AM	58380.001	3.275	10.759	0.361
6/28/2017 1:56:10 AM	58440.001	3.273	10.758	0.366
6/28/2017 1:57:10 AM	58500.001	3.273	10.759	0.366
6/28/2017 1:58:10 AM	58560.001	3.275	10.759	0.361
6/28/2017 1:59:10 AM	58620.001	3.274	10.759	0.363
6/28/2017 2:00:10 AM	58680.001	3.274	10.760	0.364
6/28/2017 2:01:10 AM	58740.001	3.275	10.759	0.361
6/28/2017 2:02:10 AM	58800.001	3.275	10.758	0.361
6/28/2017 2:03:10 AM	58860.001	3.274	10.764	0.364
6/28/2017 2:04:10 AM	58920.001	3.275	10.761	0.361
6/28/2017 2:05:10 AM	58980.001	3.275	10.759	0.361
6/28/2017 2:06:10 AM	59040.001	3.276	10.762	0.359
6/28/2017 2:07:10 AM	59100.001	3.276	10.762	0.358
6/28/2017 2:08:10 AM	59160.001	3.276	10.760	0.359
6/28/2017 2:09:10 AM	59220.001	3.275	10.759	0.361
6/28/2017 2:10:10 AM	59280.001	3.277	10.758	0.357
6/28/2017 2:11:10 AM	59340.001	3.277	10.761	0.356
6/28/2017 2:12:10 AM	59400.001	3.276	10.759	0.359
6/28/2017 2:13:10 AM	59460.001	3.277	10.762	0.355
6/28/2017 2:14:10 AM	59520.001	3.278	10.757	0.353
6/28/2017 2:15:10 AM	59580.001	3.277	10.760	0.356
6/28/2017 2:16:10 AM	59640.001	3.277	10.761	0.356
6/28/2017 2:17:10 AM	59700.001	3.278	10.762	0.354
6/28/2017 2:18:10 AM	59760.001	3.277	10.762	0.356
6/28/2017 2:19:10 AM	59820.001	3.276	10.762	0.358
6/28/2017 2:20:10 AM	59880.001	3.278	10.762	0.353
6/28/2017 2:21:10 AM	59940.001	3.277	10.764	0.356
6/28/2017 2:22:10 AM	60000.001	3.280	10.763	0.350
6/28/2017 2:23:10 AM	60060.001	3.279	10.762	0.352
6/28/2017 2:24:10 AM	60120.001	3.277	10.760	0.356
6/28/2017 2:25:10 AM	60180.001	3.279	10.762	0.352
6/28/2017 2:26:10 AM	60240.001	3.278	10.763	0.355
6/28/2017 2:27:10 AM	60300.001	3.277	10.762	0.357
6/28/2017 2:28:10 AM	60360.001	3.278	10.764	0.354
6/28/2017 2:29:10 AM	60420.001	3.280	10.765	0.349
6/28/2017 2:30:10 AM	60480.001	3.279	10.765	0.353
6/28/2017 2:31:10 AM	60540.001	3.279	10.766	0.351
6/28/2017 2:32:10 AM	60600.001	3.281	10.761	0.348

6/28/2017 2:33:10 AM	60660.001	3.279	10.760	0.351
6/28/2017 2:34:10 AM	60720.001	3.280	10.761	0.350
6/28/2017 2:35:10 AM	60780.001	3.280	10.761	0.350
6/28/2017 2:36:10 AM	60840.001	3.281	10.761	0.348
6/28/2017 2:37:10 AM	60900.001	3.281	10.759	0.346
6/28/2017 2:38:10 AM	60960.001	3.281	10.761	0.347
6/28/2017 2:39:10 AM	61020.001	3.282	10.763	0.345
6/28/2017 2:40:10 AM	61080.001	3.281	10.761	0.347
6/28/2017 2:41:10 AM	61140.001	3.283	10.760	0.343
6/28/2017 2:42:10 AM	61200.001	3.283	10.761	0.343
6/28/2017 2:43:10 AM	61260.001	3.282	10.764	0.345
6/28/2017 2:44:10 AM	61320.001	3.281	10.764	0.347
6/28/2017 2:45:10 AM	61380.001	3.282	10.763	0.344
6/28/2017 2:46:10 AM	61440.001	3.283	10.762	0.342
6/28/2017 2:47:10 AM	61500.001	3.282	10.761	0.345

Report Date: 7/10/2017 9:22:37 AM
Report User Name: dalmond
Report Computer Name: PINEWRKMA25-PC
Application: WinSitu.exe
Application Version: 5.6.25.0

Log File Properties:
File Name: MW-020 FH1_2017-07-10_09-22-25-861.wsl
Create Date: 7/10/2017 9:22:13 AM

Device Properties:
Device: Level TROLL 700
Site: Camp Hero
Device Name:
Serial Number: 169305
Firmware Version: 2.09
Hardware Version: 3
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 15
Used Battery(%): 41

Log Configuration
Log Name: MW-020 FH1
Created By: Unknown
Computer Name: Pocket PC
Application: WinSituMobile.exe
Application Version: 5.6.0.10
Create Date: 3/3/2006 5:52:15 AM Eastern Standard Time
Log Setup Time Zone: Eastern Standard Time
Notes Size(bytes): 4096
Overwrite when full: Disabled
Scheduled Start Time: Manual Start
Scheduled Stop Time: No Stop Time
Type: Step Test
Steps: 2 (Linear)
Step: 1
Duration: Days: 0 hrs: 00 mins: 05 secs: 00
Interval: Days: 0 hrs: 00 mins: 00 secs: 01
Step: 2
Duration: Days: 0 hrs: 01 mins: 00 secs: 00
Interval: Days: 0 hrs: 00 mins: 01 secs: 00

Level Reference Settings At Log Creation
Level Measurement Mode: Level Depth To Water
Specific Gravity: 0.999
Level Reference Mode: Set new reference
Level Reference Value: 0 (ft)
Level Reference Head Pressure: 6.88792 (PSI)

Other Log Settings
Depth of Probe: 15.9062 (ft)
Head Pressure: 6.88886 (PSI)
Temperature: 11.7389 (C)

Log Notes:

Date and Time	Note
6/21/2017 11:29:27 AM	Used Battery: 41% Used Memory: 17% User Name: Unknown
6/21/2017 11:29:27 AM	Used Battery: 41% Used Memory: 17% User Name: Unknown
6/21/2017 11:30:33 AM	Manual Start Command
6/21/2017 11:31:47 AM	Log Download - Used Battery: 41% Used Memory: 17% User Name: Unknown
6/21/2017 12:14:04 PM	Log Download - Used Battery: 41% Used Memory: 17% User Name: Unknown
6/21/2017 12:16:36 PM	Suspend Command
6/21/2017 12:17:41 PM	Used Battery: 41% Used Memory: 17% User Name: Unknown
6/21/2017 12:17:42 PM	Manual Stop Command

Log Data:
Record Count: 342
Sensors: 1
1 - 169305: Pressure/Temp 30 PSIG (21m/69ft)
Time Zone: Eastern Daylight Time

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 69ft SN#: 169305 Pressure (PSI)	Sensor: Pres(G) 69ft SN#: 169305 Temperature (C)	Sensor: Pres(G) 69ft SN#: 169305 Level Depth To Water (ft)
6/21/2017 11:30:33 AM	0.000	6.896	11.624	-0.019
6/21/2017 11:30:34 AM	1.000	6.893	11.632	-0.012
6/21/2017 11:30:35 AM	2.000	6.893	11.637	-0.012
6/21/2017 11:30:36 AM	3.000	6.894	11.642	-0.013
6/21/2017 11:30:37 AM	4.000	6.893	11.641	-0.011
6/21/2017 11:30:38 AM	5.000	6.892	11.646	-0.010
6/21/2017 11:30:39 AM	6.000	7.232	11.644	-0.795
6/21/2017 11:30:40 AM	7.001	7.960	11.644	-2.476
6/21/2017 11:30:41 AM	8.001	7.754	11.647	-1.999
6/21/2017 11:30:42 AM	9.000	7.414	11.645	-1.216
6/21/2017 11:30:43 AM	10.000	7.784	11.648	-2.068
6/21/2017 11:30:44 AM	11.000	7.696	11.648	-1.866
6/21/2017 11:30:45 AM	12.000	7.688	11.647	-1.847
6/21/2017 11:30:46 AM	13.000	7.689	11.650	-1.849
6/21/2017 11:30:47 AM	14.000	7.679	11.648	-1.827
6/21/2017 11:30:48 AM	15.001	7.673	11.649	-1.812
6/21/2017 11:30:49 AM	16.001	7.669	11.653	-1.803
6/21/2017 11:30:50 AM	17.001	7.663	11.652	-1.789
6/21/2017 11:30:51 AM	18.001	7.657	11.655	-1.775
6/21/2017 11:30:52 AM	19.001	7.651	11.654	-1.761
6/21/2017 11:30:53 AM	20.001	7.644	11.652	-1.745
6/21/2017 11:30:54 AM	21.001	7.639	11.656	-1.735
6/21/2017 11:30:55 AM	22.000	7.636	11.656	-1.728
6/21/2017 11:30:56 AM	23.000	7.630	11.653	-1.715
6/21/2017 11:30:57 AM	24.000	7.620	11.653	-1.691
6/21/2017 11:30:58 AM	25.000	7.615	11.652	-1.678
6/21/2017 11:30:59 AM	26.000	7.610	11.655	-1.667
6/21/2017 11:31:00 AM	27.000	7.605	11.656	-1.657
6/21/2017 11:31:01 AM	28.001	7.599	11.656	-1.641
6/21/2017 11:31:02 AM	29.001	7.594	11.657	-1.630
6/21/2017 11:31:03 AM	30.001	7.591	11.657	-1.623
6/21/2017 11:31:04 AM	31.001	7.583	11.658	-1.606
6/21/2017 11:31:05 AM	32.001	7.578	11.658	-1.594
6/21/2017 11:31:06 AM	33.001	7.573	11.659	-1.582
6/21/2017 11:31:07 AM	34.001	7.568	11.658	-1.571
6/21/2017 11:31:08 AM	35.001	7.564	11.658	-1.561
6/21/2017 11:31:09 AM	36.001	7.560	11.660	-1.552
6/21/2017 11:31:10 AM	37.001	7.556	11.659	-1.541
6/21/2017 11:31:11 AM	38.001	7.549	11.659	-1.526
6/21/2017 11:31:12 AM	39.001	7.545	11.661	-1.517

6/21/2017 11:31:13 AM	40.001	7.539	11.662	-1.504
6/21/2017 11:31:14 AM	41.001	7.536	11.660	-1.497
6/21/2017 11:31:15 AM	42.001	7.529	11.660	-1.481
6/21/2017 11:31:16 AM	43.001	7.526	11.662	-1.473
6/21/2017 11:31:17 AM	44.001	7.522	11.661	-1.463
6/21/2017 11:31:18 AM	45.001	7.517	11.662	-1.452
6/21/2017 11:31:19 AM	46.001	7.512	11.662	-1.442
6/21/2017 11:31:20 AM	47.000	7.507	11.661	-1.429
6/21/2017 11:31:21 AM	48.000	7.503	11.661	-1.420
6/21/2017 11:31:22 AM	49.000	7.499	11.664	-1.411
6/21/2017 11:31:23 AM	50.000	7.496	11.664	-1.404
6/21/2017 11:31:24 AM	51.000	7.491	11.663	-1.394
6/21/2017 11:31:25 AM	52.000	7.486	11.663	-1.381
6/21/2017 11:31:26 AM	53.000	7.484	11.664	-1.376
6/21/2017 11:31:27 AM	54.000	7.483	11.663	-1.374
6/21/2017 11:31:28 AM	55.000	7.474	11.663	-1.354
6/21/2017 11:31:29 AM	56.000	7.471	11.663	-1.345
6/21/2017 11:31:30 AM	57.000	7.465	11.663	-1.332
6/21/2017 11:31:31 AM	58.000	7.463	11.664	-1.328
6/21/2017 11:31:32 AM	59.000	7.460	11.667	-1.320
6/21/2017 11:31:33 AM	60.000	7.457	11.665	-1.314
6/21/2017 11:31:34 AM	61.000	7.450	11.665	-1.298
6/21/2017 11:31:35 AM	62.000	7.447	11.662	-1.291
6/21/2017 11:31:36 AM	63.000	7.444	11.667	-1.285
6/21/2017 11:31:37 AM	64.000	7.440	11.667	-1.274
6/21/2017 11:31:38 AM	65.001	7.438	11.667	-1.269
6/21/2017 11:31:39 AM	66.001	7.433	11.667	-1.259
6/21/2017 11:31:40 AM	67.000	7.430	11.665	-1.253
6/21/2017 11:31:41 AM	68.000	7.429	11.669	-1.250
6/21/2017 11:31:42 AM	69.000	7.423	11.666	-1.236
6/21/2017 11:31:43 AM	70.000	7.418	11.669	-1.224
6/21/2017 11:31:44 AM	71.000	7.415	11.669	-1.217
6/21/2017 11:31:45 AM	72.000	7.417	11.667	-1.223
6/21/2017 11:31:46 AM	73.000	7.408	11.667	-1.201
6/21/2017 11:31:47 AM	74.000	7.408	11.669	-1.201
6/21/2017 11:31:48 AM	75.000	7.406	11.667	-1.196
6/21/2017 11:31:49 AM	76.000	7.402	11.668	-1.187
6/21/2017 11:31:50 AM	77.000	7.395	11.667	-1.170
6/21/2017 11:31:51 AM	78.000	7.391	11.669	-1.160
6/21/2017 11:31:52 AM	79.000	7.389	11.672	-1.157
6/21/2017 11:31:53 AM	80.000	7.390	11.668	-1.158
6/21/2017 11:31:54 AM	81.055	7.389	11.670	-1.158
6/21/2017 11:31:55 AM	82.000	7.384	11.671	-1.146
6/21/2017 11:31:56 AM	83.000	7.376	11.670	-1.126
6/21/2017 11:31:57 AM	84.000	7.373	11.672	-1.121
6/21/2017 11:31:58 AM	85.000	7.371	11.668	-1.116
6/21/2017 11:31:59 AM	86.000	7.366	11.671	-1.103
6/21/2017 11:32:00 AM	87.000	7.362	11.670	-1.096
6/21/2017 11:32:01 AM	88.000	7.359	11.673	-1.088
6/21/2017 11:32:02 AM	89.000	7.356	11.673	-1.082
6/21/2017 11:32:03 AM	90.001	7.354	11.671	-1.076
6/21/2017 11:32:04 AM	91.001	7.352	11.669	-1.072
6/21/2017 11:32:05 AM	92.001	7.349	11.669	-1.065
6/21/2017 11:32:06 AM	93.001	7.346	11.673	-1.058
6/21/2017 11:32:07 AM	94.001	7.343	11.674	-1.050
6/21/2017 11:32:08 AM	95.001	7.340	11.672	-1.043
6/21/2017 11:32:09 AM	96.001	7.337	11.674	-1.036
6/21/2017 11:32:10 AM	97.000	7.335	11.674	-1.033
6/21/2017 11:32:11 AM	98.000	7.330	11.673	-1.021
6/21/2017 11:32:12 AM	99.000	7.327	11.674	-1.015
6/21/2017 11:32:13 AM	100.000	7.326	11.672	-1.010
6/21/2017 11:32:14 AM	101.000	7.323	11.672	-1.005
6/21/2017 11:32:15 AM	102.001	7.320	11.673	-0.997

6/21/2017 11:32:16 AM	103.001	7.316	11.674	-0.988
6/21/2017 11:32:17 AM	104.001	7.316	11.673	-0.988
6/21/2017 11:32:18 AM	105.001	7.314	11.673	-0.983
6/21/2017 11:32:19 AM	106.001	7.309	11.670	-0.971
6/21/2017 11:32:20 AM	107.001	7.305	11.675	-0.963
6/21/2017 11:32:21 AM	108.001	7.306	11.673	-0.964
6/21/2017 11:32:22 AM	109.000	7.302	11.674	-0.956
6/21/2017 11:32:23 AM	110.000	7.299	11.674	-0.949
6/21/2017 11:32:24 AM	111.000	7.295	11.675	-0.940
6/21/2017 11:32:25 AM	112.000	7.295	11.674	-0.940
6/21/2017 11:32:26 AM	113.000	7.291	11.676	-0.931
6/21/2017 11:32:27 AM	114.000	7.290	11.675	-0.928
6/21/2017 11:32:28 AM	115.001	7.285	11.673	-0.916
6/21/2017 11:32:29 AM	116.001	7.283	11.672	-0.913
6/21/2017 11:32:30 AM	117.001	7.281	11.674	-0.907
6/21/2017 11:32:31 AM	118.001	7.278	11.672	-0.901
6/21/2017 11:32:32 AM	119.001	7.276	11.674	-0.895
6/21/2017 11:32:33 AM	120.001	7.274	11.676	-0.892
6/21/2017 11:32:34 AM	121.001	7.270	11.676	-0.882
6/21/2017 11:32:35 AM	122.000	7.269	11.676	-0.881
6/21/2017 11:32:36 AM	123.000	7.267	11.671	-0.876
6/21/2017 11:32:37 AM	124.000	7.263	11.676	-0.867
6/21/2017 11:32:38 AM	125.000	7.261	11.675	-0.861
6/21/2017 11:32:39 AM	126.000	7.261	11.675	-0.860
6/21/2017 11:32:40 AM	127.000	7.258	11.677	-0.854
6/21/2017 11:32:41 AM	128.001	7.256	11.677	-0.850
6/21/2017 11:32:42 AM	129.001	7.254	11.676	-0.845
6/21/2017 11:32:43 AM	130.001	7.250	11.677	-0.837
6/21/2017 11:32:44 AM	131.001	7.249	11.674	-0.833
6/21/2017 11:32:45 AM	132.001	7.249	11.676	-0.833
6/21/2017 11:32:46 AM	133.001	7.245	11.674	-0.824
6/21/2017 11:32:47 AM	134.001	7.243	11.673	-0.820
6/21/2017 11:32:48 AM	135.000	7.242	11.675	-0.818
6/21/2017 11:32:49 AM	136.000	7.240	11.673	-0.814
6/21/2017 11:32:50 AM	137.000	7.238	11.675	-0.808
6/21/2017 11:32:51 AM	138.000	7.236	11.674	-0.804
6/21/2017 11:32:52 AM	139.000	7.233	11.675	-0.797
6/21/2017 11:32:53 AM	140.000	7.232	11.675	-0.794
6/21/2017 11:32:54 AM	141.001	7.230	11.676	-0.789
6/21/2017 11:32:55 AM	142.001	7.228	11.676	-0.784
6/21/2017 11:32:56 AM	143.001	7.225	11.676	-0.778
6/21/2017 11:32:57 AM	144.001	7.224	11.674	-0.776
6/21/2017 11:32:58 AM	145.001	7.222	11.675	-0.771
6/21/2017 11:32:59 AM	146.001	7.222	11.677	-0.771
6/21/2017 11:33:00 AM	147.001	7.220	11.674	-0.767
6/21/2017 11:33:01 AM	148.000	7.215	11.675	-0.756
6/21/2017 11:33:02 AM	149.000	7.215	11.672	-0.756
6/21/2017 11:33:03 AM	150.000	7.212	11.674	-0.749
6/21/2017 11:33:04 AM	151.000	7.210	11.675	-0.744
6/21/2017 11:33:05 AM	152.000	7.208	11.674	-0.739
6/21/2017 11:33:06 AM	153.001	7.205	11.675	-0.732
6/21/2017 11:33:07 AM	154.001	7.204	11.675	-0.731
6/21/2017 11:33:08 AM	155.001	7.204	11.674	-0.729
6/21/2017 11:33:09 AM	156.001	7.201	11.674	-0.722
6/21/2017 11:33:10 AM	157.001	7.199	11.675	-0.718
6/21/2017 11:33:11 AM	158.001	7.197	11.674	-0.715
6/21/2017 11:33:12 AM	159.001	7.195	11.692	-0.709
6/21/2017 11:33:13 AM	160.001	7.192	11.683	-0.702
6/21/2017 11:33:14 AM	161.001	7.194	11.677	-0.708
6/21/2017 11:33:15 AM	162.001	7.190	11.679	-0.697
6/21/2017 11:33:16 AM	163.001	7.190	11.679	-0.698
6/21/2017 11:33:17 AM	164.001	7.185	11.677	-0.687
6/21/2017 11:33:18 AM	165.001	7.184	11.677	-0.685

6/21/2017 11:33:19 AM	166.001	7.183	11.677	-0.682
6/21/2017 11:33:20 AM	167.001	7.185	11.676	-0.685
6/21/2017 11:33:21 AM	168.000	7.181	11.676	-0.677
6/21/2017 11:33:22 AM	169.000	7.179	11.697	-0.672
6/21/2017 11:33:23 AM	170.000	7.177	11.683	-0.667
6/21/2017 11:33:24 AM	171.000	7.175	11.681	-0.662
6/21/2017 11:33:25 AM	172.000	7.175	11.677	-0.664
6/21/2017 11:33:26 AM	173.000	7.172	11.678	-0.656
6/21/2017 11:33:27 AM	174.000	7.171	11.678	-0.653
6/21/2017 11:33:28 AM	175.000	7.171	11.675	-0.653
6/21/2017 11:33:29 AM	176.000	7.168	11.679	-0.647
6/21/2017 11:33:30 AM	177.000	7.166	11.678	-0.642
6/21/2017 11:33:31 AM	178.000	7.164	11.692	-0.638
6/21/2017 11:33:32 AM	179.000	7.164	11.683	-0.638
6/21/2017 11:33:33 AM	180.000	7.162	11.683	-0.633
6/21/2017 11:33:34 AM	181.000	7.162	11.678	-0.634
6/21/2017 11:33:35 AM	182.000	7.160	11.681	-0.627
6/21/2017 11:33:36 AM	183.001	7.161	11.678	-0.629
6/21/2017 11:33:37 AM	184.001	7.158	11.681	-0.624
6/21/2017 11:33:38 AM	185.000	7.157	11.679	-0.622
6/21/2017 11:33:39 AM	186.000	7.155	11.677	-0.618
6/21/2017 11:33:40 AM	187.000	7.155	11.676	-0.616
6/21/2017 11:33:41 AM	188.000	7.153	11.692	-0.611
6/21/2017 11:33:42 AM	189.000	7.151	11.687	-0.606
6/21/2017 11:33:43 AM	190.000	7.152	11.680	-0.609
6/21/2017 11:33:44 AM	191.000	7.147	11.683	-0.597
6/21/2017 11:33:45 AM	192.000	7.145	11.679	-0.595
6/21/2017 11:33:46 AM	193.001	7.145	11.680	-0.593
6/21/2017 11:33:47 AM	194.001	7.141	11.680	-0.585
6/21/2017 11:33:48 AM	195.001	7.141	11.681	-0.584
6/21/2017 11:33:49 AM	196.001	7.140	11.679	-0.582
6/21/2017 11:33:50 AM	197.001	7.139	11.679	-0.579
6/21/2017 11:33:51 AM	198.001	7.139	11.679	-0.579
6/21/2017 11:33:52 AM	199.001	7.138	11.695	-0.577
6/21/2017 11:33:53 AM	200.001	7.138	11.685	-0.578
6/21/2017 11:33:54 AM	201.001	7.138	11.681	-0.578
6/21/2017 11:33:55 AM	202.001	7.136	11.681	-0.572
6/21/2017 11:33:56 AM	203.001	7.133	11.680	-0.567
6/21/2017 11:33:57 AM	204.001	7.130	11.678	-0.560
6/21/2017 11:33:58 AM	205.001	7.129	11.681	-0.558
6/21/2017 11:33:59 AM	206.001	7.128	11.678	-0.554
6/21/2017 11:34:00 AM	207.001	7.128	11.677	-0.555
6/21/2017 11:34:01 AM	208.001	7.129	11.678	-0.556
6/21/2017 11:34:02 AM	209.001	7.126	11.694	-0.549
6/21/2017 11:34:03 AM	210.001	7.124	11.686	-0.544
6/21/2017 11:34:04 AM	211.001	7.123	11.684	-0.543
6/21/2017 11:34:05 AM	212.001	7.121	11.681	-0.538
6/21/2017 11:34:06 AM	213.001	7.121	11.679	-0.537
6/21/2017 11:34:07 AM	214.001	7.119	11.677	-0.534
6/21/2017 11:34:08 AM	215.001	7.118	11.678	-0.532
6/21/2017 11:34:09 AM	216.001	7.115	11.679	-0.525
6/21/2017 11:34:10 AM	217.001	7.116	11.677	-0.526
6/21/2017 11:34:11 AM	218.001	7.115	11.679	-0.524
6/21/2017 11:34:12 AM	219.001	7.113	11.695	-0.519
6/21/2017 11:34:13 AM	220.001	7.112	11.685	-0.517
6/21/2017 11:34:14 AM	221.001	7.113	11.682	-0.519
6/21/2017 11:34:15 AM	222.001	7.112	11.681	-0.517
6/21/2017 11:34:16 AM	223.001	7.109	11.680	-0.511
6/21/2017 11:34:17 AM	224.001	7.108	11.681	-0.507
6/21/2017 11:34:18 AM	225.001	7.108	11.677	-0.507
6/21/2017 11:34:19 AM	226.001	7.109	11.681	-0.510
6/21/2017 11:34:20 AM	227.001	7.104	11.680	-0.499
6/21/2017 11:34:21 AM	228.001	7.103	11.679	-0.497

6/21/2017 11:34:22 AM	229.001	7.102	11.695	-0.494
6/21/2017 11:34:23 AM	230.001	7.100	11.686	-0.490
6/21/2017 11:34:24 AM	231.001	7.100	11.683	-0.489
6/21/2017 11:34:25 AM	232.001	7.099	11.680	-0.487
6/21/2017 11:34:26 AM	233.001	7.096	11.679	-0.481
6/21/2017 11:34:27 AM	234.001	7.099	11.678	-0.488
6/21/2017 11:34:28 AM	235.000	7.096	11.681	-0.480
6/21/2017 11:34:29 AM	236.000	7.093	11.678	-0.475
6/21/2017 11:34:30 AM	237.000	7.094	11.682	-0.476
6/21/2017 11:34:31 AM	238.000	7.094	11.695	-0.476
6/21/2017 11:34:32 AM	239.000	7.093	11.687	-0.474
6/21/2017 11:34:33 AM	240.000	7.090	11.685	-0.467
6/21/2017 11:34:34 AM	241.000	7.089	11.684	-0.464
6/21/2017 11:34:35 AM	242.000	7.089	11.682	-0.465
6/21/2017 11:34:36 AM	243.001	7.087	11.683	-0.459
6/21/2017 11:34:37 AM	244.001	7.086	11.680	-0.458
6/21/2017 11:34:38 AM	245.001	7.085	11.682	-0.455
6/21/2017 11:34:39 AM	246.001	7.086	11.682	-0.457
6/21/2017 11:34:40 AM	247.001	7.083	11.683	-0.451
6/21/2017 11:34:41 AM	248.001	7.082	11.682	-0.448
6/21/2017 11:34:42 AM	249.001	7.083	11.697	-0.449
6/21/2017 11:34:43 AM	250.001	7.081	11.687	-0.445
6/21/2017 11:34:44 AM	251.001	7.082	11.682	-0.447
6/21/2017 11:34:45 AM	252.001	7.079	11.684	-0.442
6/21/2017 11:34:46 AM	253.001	7.079	11.683	-0.442
6/21/2017 11:34:47 AM	254.001	7.080	11.680	-0.442
6/21/2017 11:34:48 AM	255.001	7.076	11.681	-0.435
6/21/2017 11:34:49 AM	256.001	7.076	11.680	-0.434
6/21/2017 11:34:50 AM	257.001	7.076	11.680	-0.434
6/21/2017 11:34:51 AM	258.001	7.074	11.679	-0.430
6/21/2017 11:34:52 AM	259.001	7.074	11.697	-0.429
6/21/2017 11:34:53 AM	260.001	7.075	11.683	-0.432
6/21/2017 11:34:54 AM	261.001	7.073	11.683	-0.426
6/21/2017 11:34:55 AM	262.001	7.073	11.682	-0.426
6/21/2017 11:34:56 AM	263.001	7.070	11.679	-0.420
6/21/2017 11:34:57 AM	264.001	7.070	11.679	-0.420
6/21/2017 11:34:58 AM	265.001	7.068	11.680	-0.417
6/21/2017 11:34:59 AM	266.001	7.068	11.680	-0.415
6/21/2017 11:35:00 AM	267.001	7.068	11.679	-0.416
6/21/2017 11:35:01 AM	268.001	7.066	11.682	-0.411
6/21/2017 11:35:02 AM	269.001	7.065	11.696	-0.409
6/21/2017 11:35:03 AM	270.001	7.066	11.687	-0.412
6/21/2017 11:35:04 AM	271.001	7.063	11.683	-0.403
6/21/2017 11:35:05 AM	272.001	7.062	11.683	-0.401
6/21/2017 11:35:06 AM	273.001	7.063	11.680	-0.404
6/21/2017 11:35:07 AM	274.001	7.062	11.682	-0.402
6/21/2017 11:35:08 AM	275.001	7.060	11.679	-0.396
6/21/2017 11:35:09 AM	276.001	7.060	11.679	-0.398
6/21/2017 11:35:10 AM	277.001	7.061	11.681	-0.399
6/21/2017 11:35:11 AM	278.001	7.059	11.678	-0.394
6/21/2017 11:35:12 AM	279.001	7.057	11.696	-0.390
6/21/2017 11:35:13 AM	280.001	7.057	11.685	-0.390
6/21/2017 11:35:14 AM	281.001	7.057	11.682	-0.391
6/21/2017 11:35:15 AM	282.001	7.057	11.682	-0.390
6/21/2017 11:35:16 AM	283.001	7.055	11.681	-0.387
6/21/2017 11:35:17 AM	284.001	7.054	11.683	-0.382
6/21/2017 11:35:18 AM	285.000	7.054	11.681	-0.382
6/21/2017 11:35:19 AM	286.000	7.054	11.682	-0.384
6/21/2017 11:35:20 AM	287.000	7.052	11.681	-0.378
6/21/2017 11:35:21 AM	288.000	7.054	11.696	-0.382
6/21/2017 11:35:22 AM	289.000	7.050	11.687	-0.375
6/21/2017 11:35:23 AM	290.000	7.049	11.684	-0.371
6/21/2017 11:35:24 AM	291.000	7.048	11.680	-0.369

6/21/2017 11:35:25 AM	292.000	7.050	11.682	-0.375
6/21/2017 11:35:26 AM	293.001	7.049	11.681	-0.373
6/21/2017 11:35:27 AM	294.001	7.047	11.680	-0.368
6/21/2017 11:35:28 AM	295.001	7.047	11.679	-0.367
6/21/2017 11:35:29 AM	296.001	7.046	11.682	-0.364
6/21/2017 11:35:30 AM	297.001	7.046	11.679	-0.365
6/21/2017 11:35:31 AM	298.001	7.045	11.678	-0.363
6/21/2017 11:35:32 AM	299.001	7.044	11.679	-0.360
6/21/2017 11:35:33 AM	300.001	7.042	11.696	-0.356
6/21/2017 11:36:33 AM	360.001	7.010	11.643	-0.282
6/21/2017 11:37:33 AM	420.001	6.990	11.632	-0.236
6/21/2017 11:38:33 AM	480.001	6.975	11.624	-0.201
6/21/2017 11:39:33 AM	540.001	6.962	11.625	-0.171
6/21/2017 11:40:33 AM	600.001	6.954	11.619	-0.153
6/21/2017 11:41:33 AM	660.001	6.948	11.617	-0.140
6/21/2017 11:42:33 AM	720.001	6.944	11.617	-0.130
6/21/2017 11:43:33 AM	780.001	6.939	11.609	-0.118
6/21/2017 11:44:33 AM	840.001	6.936	11.609	-0.110
6/21/2017 11:45:33 AM	900.001	6.933	11.611	-0.103
6/21/2017 11:46:33 AM	960.001	6.934	11.607	-0.106
6/21/2017 11:47:33 AM	1020.001	6.931	11.608	-0.099
6/21/2017 11:48:33 AM	1080.001	6.930	11.605	-0.096
6/21/2017 11:49:33 AM	1140.001	6.927	11.605	-0.091
6/21/2017 11:50:33 AM	1200.001	6.927	11.606	-0.090
6/21/2017 11:51:33 AM	1260.001	6.926	11.606	-0.089
6/21/2017 11:52:33 AM	1320.001	6.928	11.604	-0.093
6/21/2017 11:53:33 AM	1380.001	6.922	11.602	-0.079
6/21/2017 11:54:33 AM	1440.001	6.923	11.603	-0.081
6/21/2017 11:55:33 AM	1500.001	6.923	11.600	-0.080
6/21/2017 11:56:33 AM	1560.001	6.922	11.601	-0.078
6/21/2017 11:57:33 AM	1620.001	6.922	11.599	-0.078
6/21/2017 11:58:33 AM	1680.001	6.921	11.597	-0.077
6/21/2017 11:59:33 AM	1740.001	6.921	11.600	-0.077
6/21/2017 12:00:33 PM	1800.001	6.919	11.598	-0.072
6/21/2017 12:01:33 PM	1860.001	6.919	11.595	-0.072
6/21/2017 12:02:33 PM	1920.001	6.918	11.594	-0.068
6/21/2017 12:03:33 PM	1980.001	6.919	11.594	-0.071
6/21/2017 12:04:33 PM	2040.001	6.918	11.593	-0.070
6/21/2017 12:05:33 PM	2100.001	6.916	11.592	-0.064
6/21/2017 12:06:33 PM	2160.001	6.918	11.592	-0.069
6/21/2017 12:07:33 PM	2220.001	6.919	11.592	-0.071
6/21/2017 12:08:33 PM	2280.001	6.919	11.588	-0.071
6/21/2017 12:09:33 PM	2340.001	6.917	11.591	-0.067
6/21/2017 12:10:33 PM	2400.001	6.917	11.589	-0.068
6/21/2017 12:11:33 PM	2460.001	6.914	11.589	-0.059
6/21/2017 12:12:33 PM	2520.001	6.917	11.588	-0.067
6/21/2017 12:13:33 PM	2580.001	6.916	11.586	-0.065
6/21/2017 12:14:33 PM	2640.001	6.917	11.578	-0.067
6/21/2017 12:15:33 PM	2700.001	6.916	11.577	-0.064
6/21/2017 12:16:33 PM	2760.001	6.921	11.572	-0.075

Report Date: 7/10/2017 9:21:14 AM
Report User Name: dalmond
Report Computer Name: PINEWRKMA25-PC
Application: WinSitu.exe
Application Version: 5.6.25.0

Log File Properties:
File Name: MW-020 FH2_2017-07-10_09-21-09-962.wsl
Create Date: 7/10/2017 9:21:08 AM

Device Properties:
Device: Level TROLL 700
Site: Camp Hero
Device Name:
Serial Number: 169305
Firmware Version: 2.09
Hardware Version: 3
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 18
Used Battery(%): 41

Log Configuration
Log Name: MW-020 FH2
Created By: Unknown
Computer Name: Pocket PC
Application: WinSituMobile.exe
Application Version: 5.6.0.10
Create Date: 3/3/2006 7:33:53 AM Eastern Standard Time
Log Setup Time Zone: Eastern Standard Time
Notes Size(bytes): 4096
Overwrite when full: Disabled
Scheduled Start Time: Manual Start
Scheduled Stop Time: No Stop Time
Type: Step Test
Steps: 2 (Linear)
Step: 1
Duration: Days: 0 hrs: 00 mins: 05 secs: 00
Interval: Days: 0 hrs: 00 mins: 00 secs: 01
Step: 2
Duration: Days: 0 hrs: 01 mins: 00 secs: 00
Interval: Days: 0 hrs: 00 mins: 01 secs: 00

Level Reference Settings At Log Creation
Level Measurement Mode: Level Depth To Water
Specific Gravity: 0.999
Level Reference Mode: Set new reference
Level Reference Value: 0 (ft)
Level Reference Head Pressure: 6.89935 (PSI)

Other Log Settings
Depth of Probe: 15.9346 (ft)
Head Pressure: 6.90117 (PSI)
Temperature: 11.6732 (C)

Log Notes:

Date and Time	Note
6/21/2017 1:11:03 PM	Used Battery: 41% Used Memory: 20% User Name: Unknown
6/21/2017 1:17:45 PM	Manual Start Command

Log Data:
Record Count: 361
Sensors: 1
1 - 169305: Pressure/Temp 30 PSIG (21m/69ft)
Time Zone: Eastern Daylight Time

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 69ft SN#: 169305 Pressure (PSI)	Sensor: Pres(G) 69ft SN#: 169305 Temperature (C)	Sensor: Pres(G) 69ft SN#: 169305 Level Depth To Water (ft)
6/21/2017 1:17:45 PM	0.000	6.909	11.550	-0.023
6/21/2017 1:17:46 PM	1.000	6.909	11.559	-0.023
6/21/2017 1:17:47 PM	2.000	6.907	11.562	-0.018
6/21/2017 1:17:48 PM	3.000	6.908	11.565	-0.020
6/21/2017 1:17:49 PM	4.000	6.908	11.567	-0.020
6/21/2017 1:17:50 PM	5.000	7.645	11.569	-1.723
6/21/2017 1:17:51 PM	6.000	7.932	11.568	-2.383
6/21/2017 1:17:52 PM	7.000	7.553	11.569	-1.508
6/21/2017 1:17:53 PM	8.000	7.773	11.568	-2.018
6/21/2017 1:17:54 PM	9.000	7.676	11.569	-1.793
6/21/2017 1:17:55 PM	10.000	7.730	11.573	-1.919
6/21/2017 1:17:56 PM	11.000	7.748	11.580	-1.959
6/21/2017 1:17:57 PM	12.000	7.680	11.574	-1.803
6/21/2017 1:17:58 PM	13.000	7.686	11.576	-1.816
6/21/2017 1:17:59 PM	14.000	7.677	11.574	-1.797
6/21/2017 1:18:00 PM	15.000	7.670	11.578	-1.779
6/21/2017 1:18:01 PM	16.000	7.664	11.576	-1.765
6/21/2017 1:18:02 PM	17.000	7.658	11.578	-1.752
6/21/2017 1:18:03 PM	18.000	7.651	11.576	-1.736
6/21/2017 1:18:04 PM	19.000	7.648	11.577	-1.728
6/21/2017 1:18:05 PM	20.000	7.639	11.577	-1.708
6/21/2017 1:18:06 PM	21.000	7.634	11.578	-1.697
6/21/2017 1:18:07 PM	22.000	7.628	11.580	-1.681
6/21/2017 1:18:08 PM	23.000	7.621	11.580	-1.666
6/21/2017 1:18:09 PM	24.000	7.615	11.581	-1.653
6/21/2017 1:18:10 PM	25.000	7.609	11.583	-1.639
6/21/2017 1:18:11 PM	26.000	7.605	11.579	-1.629
6/21/2017 1:18:12 PM	27.000	7.598	11.583	-1.613
6/21/2017 1:18:13 PM	28.000	7.593	11.582	-1.601
6/21/2017 1:18:14 PM	29.000	7.587	11.583	-1.587
6/21/2017 1:18:15 PM	30.000	7.584	11.582	-1.580
6/21/2017 1:18:16 PM	31.000	7.582	11.585	-1.575
6/21/2017 1:18:17 PM	32.000	7.574	11.583	-1.557
6/21/2017 1:18:18 PM	33.000	7.566	11.583	-1.540
6/21/2017 1:18:19 PM	34.000	7.561	11.585	-1.528
6/21/2017 1:18:20 PM	35.000	7.556	11.586	-1.517
6/21/2017 1:18:21 PM	36.000	7.551	11.585	-1.504
6/21/2017 1:18:22 PM	37.000	7.547	11.587	-1.496
6/21/2017 1:18:23 PM	38.000	7.542	11.586	-1.483
6/21/2017 1:18:24 PM	39.000	7.534	11.588	-1.465
6/21/2017 1:18:25 PM	40.000	7.531	11.588	-1.459
6/21/2017 1:18:26 PM	41.000	7.527	11.589	-1.448
6/21/2017 1:18:27 PM	42.000	7.523	11.589	-1.440
6/21/2017 1:18:28 PM	43.000	7.518	11.588	-1.428
6/21/2017 1:18:29 PM	44.000	7.513	11.590	-1.418
6/21/2017 1:18:30 PM	45.000	7.508	11.588	-1.406

6/21/2017 1:18:31 PM	46.000	7.504	11.592	-1.396
6/21/2017 1:18:32 PM	47.000	7.498	11.588	-1.383
6/21/2017 1:18:33 PM	48.000	7.494	11.589	-1.372
6/21/2017 1:18:34 PM	49.000	7.489	11.590	-1.362
6/21/2017 1:18:35 PM	50.000	7.484	11.591	-1.349
6/21/2017 1:18:36 PM	51.000	7.480	11.590	-1.341
6/21/2017 1:18:37 PM	52.000	7.477	11.593	-1.335
6/21/2017 1:18:38 PM	53.000	7.473	11.592	-1.325
6/21/2017 1:18:39 PM	54.000	7.469	11.593	-1.315
6/21/2017 1:18:40 PM	55.000	7.465	11.591	-1.306
6/21/2017 1:18:41 PM	56.000	7.460	11.593	-1.295
6/21/2017 1:18:42 PM	57.000	7.457	11.592	-1.288
6/21/2017 1:18:43 PM	58.000	7.451	11.594	-1.275
6/21/2017 1:18:44 PM	59.000	7.449	11.595	-1.268
6/21/2017 1:18:45 PM	60.000	7.445	11.592	-1.260
6/21/2017 1:18:46 PM	61.002	7.441	11.596	-1.250
6/21/2017 1:18:47 PM	62.000	7.437	11.593	-1.242
6/21/2017 1:18:48 PM	63.000	7.434	11.593	-1.235
6/21/2017 1:18:49 PM	64.000	7.429	11.594	-1.224
6/21/2017 1:18:50 PM	65.000	7.426	11.598	-1.215
6/21/2017 1:18:51 PM	66.000	7.421	11.597	-1.205
6/21/2017 1:18:52 PM	67.000	7.418	11.597	-1.197
6/21/2017 1:18:53 PM	68.000	7.414	11.595	-1.187
6/21/2017 1:18:54 PM	69.000	7.409	11.598	-1.177
6/21/2017 1:18:55 PM	70.000	7.406	11.598	-1.170
6/21/2017 1:18:56 PM	71.000	7.403	11.597	-1.163
6/21/2017 1:18:57 PM	72.000	7.398	11.597	-1.151
6/21/2017 1:18:58 PM	73.000	7.396	11.597	-1.147
6/21/2017 1:18:59 PM	74.000	7.392	11.596	-1.136
6/21/2017 1:19:00 PM	75.000	7.388	11.595	-1.128
6/21/2017 1:19:01 PM	76.000	7.386	11.598	-1.123
6/21/2017 1:19:02 PM	77.000	7.382	11.597	-1.115
6/21/2017 1:19:03 PM	78.000	7.377	11.594	-1.104
6/21/2017 1:19:04 PM	79.000	7.374	11.601	-1.096
6/21/2017 1:19:05 PM	80.000	7.372	11.598	-1.091
6/21/2017 1:19:06 PM	81.000	7.368	11.597	-1.083
6/21/2017 1:19:07 PM	82.000	7.366	11.598	-1.076
6/21/2017 1:19:08 PM	83.000	7.362	11.597	-1.067
6/21/2017 1:19:09 PM	84.000	7.358	11.597	-1.059
6/21/2017 1:19:10 PM	85.000	7.356	11.598	-1.053
6/21/2017 1:19:11 PM	86.000	7.355	11.599	-1.051
6/21/2017 1:19:12 PM	87.000	7.349	11.598	-1.038
6/21/2017 1:19:13 PM	88.000	7.346	11.601	-1.031
6/21/2017 1:19:14 PM	89.000	7.346	11.599	-1.031
6/21/2017 1:19:15 PM	90.000	7.340	11.597	-1.017
6/21/2017 1:19:16 PM	91.000	7.339	11.600	-1.014
6/21/2017 1:19:17 PM	92.000	7.335	11.602	-1.007
6/21/2017 1:19:18 PM	93.000	7.331	11.598	-0.996
6/21/2017 1:19:19 PM	94.000	7.329	11.599	-0.992
6/21/2017 1:19:20 PM	95.000	7.325	11.598	-0.983
6/21/2017 1:19:21 PM	96.000	7.324	11.600	-0.980
6/21/2017 1:19:22 PM	97.000	7.321	11.600	-0.974
6/21/2017 1:19:23 PM	98.000	7.318	11.598	-0.967
6/21/2017 1:19:24 PM	99.000	7.316	11.602	-0.962
6/21/2017 1:19:25 PM	100.000	7.314	11.602	-0.958
6/21/2017 1:19:26 PM	101.000	7.311	11.600	-0.951
6/21/2017 1:19:27 PM	102.000	7.307	11.600	-0.942
6/21/2017 1:19:28 PM	103.000	7.304	11.602	-0.935
6/21/2017 1:19:29 PM	104.000	7.302	11.600	-0.930
6/21/2017 1:19:30 PM	105.000	7.300	11.600	-0.925
6/21/2017 1:19:31 PM	106.000	7.296	11.600	-0.916
6/21/2017 1:19:32 PM	107.000	7.294	11.602	-0.911
6/21/2017 1:19:33 PM	108.000	7.292	11.598	-0.907

6/21/2017 1:19:34 PM	109.000	7.288	11.602	-0.896
6/21/2017 1:19:35 PM	110.000	7.286	11.605	-0.893
6/21/2017 1:19:36 PM	111.000	7.285	11.605	-0.890
6/21/2017 1:19:37 PM	112.000	7.281	11.606	-0.882
6/21/2017 1:19:38 PM	113.000	7.280	11.603	-0.878
6/21/2017 1:19:39 PM	114.000	7.279	11.600	-0.877
6/21/2017 1:19:40 PM	115.000	7.275	11.604	-0.868
6/21/2017 1:19:41 PM	116.000	7.274	11.604	-0.864
6/21/2017 1:19:42 PM	117.000	7.270	11.603	-0.856
6/21/2017 1:19:43 PM	118.000	7.269	11.604	-0.853
6/21/2017 1:19:44 PM	119.000	7.267	11.603	-0.849
6/21/2017 1:19:45 PM	120.000	7.264	11.605	-0.841
6/21/2017 1:19:46 PM	121.000	7.261	11.604	-0.835
6/21/2017 1:19:47 PM	122.000	7.260	11.606	-0.832
6/21/2017 1:19:48 PM	123.000	7.258	11.603	-0.828
6/21/2017 1:19:49 PM	124.000	7.257	11.608	-0.825
6/21/2017 1:19:50 PM	125.000	7.253	11.606	-0.816
6/21/2017 1:19:51 PM	126.000	7.252	11.605	-0.814
6/21/2017 1:19:52 PM	127.000	7.246	11.605	-0.802
6/21/2017 1:19:53 PM	128.000	7.246	11.605	-0.800
6/21/2017 1:19:54 PM	129.000	7.244	11.604	-0.796
6/21/2017 1:19:55 PM	130.000	7.240	11.604	-0.787
6/21/2017 1:19:56 PM	131.000	7.239	11.606	-0.784
6/21/2017 1:19:57 PM	132.000	7.238	11.605	-0.781
6/21/2017 1:19:58 PM	133.000	7.236	11.607	-0.776
6/21/2017 1:19:59 PM	134.000	7.233	11.606	-0.770
6/21/2017 1:20:00 PM	135.000	7.231	11.603	-0.766
6/21/2017 1:20:01 PM	136.000	7.231	11.606	-0.766
6/21/2017 1:20:02 PM	137.000	7.226	11.605	-0.755
6/21/2017 1:20:03 PM	138.000	7.225	11.607	-0.753
6/21/2017 1:20:04 PM	139.000	7.224	11.606	-0.749
6/21/2017 1:20:05 PM	140.000	7.220	11.604	-0.740
6/21/2017 1:20:06 PM	141.000	7.219	11.605	-0.738
6/21/2017 1:20:07 PM	142.000	7.219	11.606	-0.737
6/21/2017 1:20:08 PM	143.000	7.215	11.605	-0.729
6/21/2017 1:20:09 PM	144.000	7.213	11.605	-0.725
6/21/2017 1:20:10 PM	145.000	7.212	11.605	-0.723
6/21/2017 1:20:11 PM	146.000	7.209	11.605	-0.716
6/21/2017 1:20:12 PM	147.000	7.208	11.608	-0.712
6/21/2017 1:20:13 PM	148.000	7.206	11.607	-0.708
6/21/2017 1:20:14 PM	149.000	7.204	11.606	-0.703
6/21/2017 1:20:15 PM	150.000	7.204	11.609	-0.703
6/21/2017 1:20:16 PM	151.000	7.201	11.607	-0.697
6/21/2017 1:20:17 PM	152.000	7.198	11.608	-0.689
6/21/2017 1:20:18 PM	153.000	7.197	11.606	-0.686
6/21/2017 1:20:19 PM	154.000	7.195	11.607	-0.683
6/21/2017 1:20:20 PM	155.000	7.193	11.609	-0.677
6/21/2017 1:20:21 PM	156.000	7.190	11.607	-0.672
6/21/2017 1:20:22 PM	157.000	7.188	11.610	-0.667
6/21/2017 1:20:23 PM	158.000	7.188	11.607	-0.666
6/21/2017 1:20:24 PM	159.000	7.185	11.608	-0.659
6/21/2017 1:20:25 PM	160.000	7.185	11.609	-0.659
6/21/2017 1:20:26 PM	161.000	7.184	11.607	-0.657
6/21/2017 1:20:27 PM	162.000	7.183	11.608	-0.656
6/21/2017 1:20:28 PM	163.000	7.181	11.609	-0.651
6/21/2017 1:20:29 PM	164.000	7.179	11.607	-0.645
6/21/2017 1:20:30 PM	165.000	7.175	11.607	-0.636
6/21/2017 1:20:31 PM	166.000	7.174	11.607	-0.634
6/21/2017 1:20:32 PM	167.000	7.175	11.611	-0.636
6/21/2017 1:20:33 PM	168.000	7.172	11.610	-0.630
6/21/2017 1:20:34 PM	169.000	7.171	11.607	-0.627
6/21/2017 1:20:35 PM	170.000	7.168	11.609	-0.620
6/21/2017 1:20:36 PM	171.000	7.169	11.609	-0.622

6/21/2017 1:20:37 PM	172.000	7.167	11.606	-0.617
6/21/2017 1:20:38 PM	173.000	7.166	11.609	-0.617
6/21/2017 1:20:39 PM	174.000	7.164	11.607	-0.612
6/21/2017 1:20:40 PM	175.000	7.162	11.612	-0.606
6/21/2017 1:20:41 PM	176.000	7.160	11.607	-0.602
6/21/2017 1:20:42 PM	177.000	7.160	11.611	-0.603
6/21/2017 1:20:43 PM	178.000	7.157	11.610	-0.595
6/21/2017 1:20:44 PM	179.000	7.157	11.607	-0.595
6/21/2017 1:20:45 PM	180.000	7.154	11.610	-0.589
6/21/2017 1:20:46 PM	181.000	7.154	11.609	-0.587
6/21/2017 1:20:47 PM	182.000	7.150	11.612	-0.580
6/21/2017 1:20:48 PM	183.000	7.149	11.611	-0.576
6/21/2017 1:20:49 PM	184.000	7.150	11.610	-0.578
6/21/2017 1:20:50 PM	185.000	7.148	11.613	-0.573
6/21/2017 1:20:51 PM	186.000	7.146	11.611	-0.571
6/21/2017 1:20:52 PM	187.000	7.148	11.609	-0.574
6/21/2017 1:20:53 PM	188.000	7.145	11.609	-0.566
6/21/2017 1:20:54 PM	189.000	7.142	11.610	-0.561
6/21/2017 1:20:55 PM	190.000	7.142	11.607	-0.560
6/21/2017 1:20:56 PM	191.000	7.139	11.609	-0.554
6/21/2017 1:20:57 PM	192.000	7.139	11.610	-0.554
6/21/2017 1:20:58 PM	193.000	7.137	11.612	-0.549
6/21/2017 1:20:59 PM	194.000	7.136	11.611	-0.546
6/21/2017 1:21:00 PM	195.000	7.134	11.611	-0.542
6/21/2017 1:21:01 PM	196.000	7.134	11.609	-0.541
6/21/2017 1:21:02 PM	197.000	7.133	11.611	-0.539
6/21/2017 1:21:03 PM	198.000	7.131	11.612	-0.535
6/21/2017 1:21:04 PM	199.000	7.130	11.611	-0.532
6/21/2017 1:21:05 PM	200.000	7.128	11.612	-0.528
6/21/2017 1:21:06 PM	201.000	7.127	11.612	-0.527
6/21/2017 1:21:07 PM	202.000	7.128	11.607	-0.527
6/21/2017 1:21:08 PM	203.000	7.126	11.609	-0.523
6/21/2017 1:21:09 PM	204.000	7.124	11.608	-0.519
6/21/2017 1:21:10 PM	205.000	7.121	11.612	-0.512
6/21/2017 1:21:11 PM	206.000	7.122	11.611	-0.514
6/21/2017 1:21:12 PM	207.000	7.121	11.612	-0.511
6/21/2017 1:21:13 PM	208.000	7.119	11.611	-0.507
6/21/2017 1:21:14 PM	209.000	7.117	11.613	-0.502
6/21/2017 1:21:15 PM	210.000	7.118	11.611	-0.505
6/21/2017 1:21:16 PM	211.000	7.115	11.610	-0.497
6/21/2017 1:21:17 PM	212.000	7.114	11.612	-0.497
6/21/2017 1:21:18 PM	213.000	7.115	11.612	-0.497
6/21/2017 1:21:19 PM	214.000	7.112	11.614	-0.492
6/21/2017 1:21:20 PM	215.000	7.113	11.612	-0.494
6/21/2017 1:21:21 PM	216.000	7.112	11.610	-0.491
6/21/2017 1:21:22 PM	217.000	7.110	11.612	-0.485
6/21/2017 1:21:23 PM	218.000	7.108	11.612	-0.482
6/21/2017 1:21:24 PM	219.000	7.108	11.613	-0.481
6/21/2017 1:21:25 PM	220.000	7.106	11.612	-0.478
6/21/2017 1:21:26 PM	221.000	7.106	11.611	-0.477
6/21/2017 1:21:27 PM	222.000	7.105	11.611	-0.475
6/21/2017 1:21:28 PM	223.000	7.103	11.612	-0.469
6/21/2017 1:21:29 PM	224.000	7.101	11.611	-0.465
6/21/2017 1:21:30 PM	225.000	7.101	11.614	-0.466
6/21/2017 1:21:31 PM	226.000	7.100	11.611	-0.463
6/21/2017 1:21:32 PM	227.000	7.098	11.611	-0.459
6/21/2017 1:21:33 PM	228.000	7.097	11.611	-0.457
6/21/2017 1:21:34 PM	229.000	7.096	11.615	-0.455
6/21/2017 1:21:35 PM	230.000	7.096	11.610	-0.454
6/21/2017 1:21:36 PM	231.000	7.094	11.613	-0.449
6/21/2017 1:21:37 PM	232.000	7.094	11.613	-0.450
6/21/2017 1:21:38 PM	233.000	7.093	11.609	-0.448
6/21/2017 1:21:39 PM	234.000	7.091	11.613	-0.443

6/21/2017 1:21:40 PM	235.000	7.091	11.612	-0.443
6/21/2017 1:21:41 PM	236.000	7.092	11.615	-0.445
6/21/2017 1:21:42 PM	237.000	7.089	11.610	-0.438
6/21/2017 1:21:43 PM	238.000	7.087	11.612	-0.433
6/21/2017 1:21:44 PM	239.000	7.088	11.612	-0.435
6/21/2017 1:21:45 PM	240.000	7.087	11.613	-0.432
6/21/2017 1:21:46 PM	241.000	7.085	11.610	-0.429
6/21/2017 1:21:47 PM	242.000	7.085	11.614	-0.429
6/21/2017 1:21:48 PM	243.000	7.083	11.615	-0.425
6/21/2017 1:21:49 PM	244.000	7.081	11.616	-0.420
6/21/2017 1:21:50 PM	245.000	7.081	11.613	-0.420
6/21/2017 1:21:51 PM	246.000	7.080	11.613	-0.416
6/21/2017 1:21:52 PM	247.000	7.080	11.613	-0.416
6/21/2017 1:21:53 PM	248.000	7.081	11.613	-0.418
6/21/2017 1:21:54 PM	249.000	7.078	11.613	-0.414
6/21/2017 1:21:55 PM	250.000	7.077	11.613	-0.411
6/21/2017 1:21:56 PM	251.000	7.077	11.615	-0.411
6/21/2017 1:21:57 PM	252.000	7.076	11.611	-0.407
6/21/2017 1:21:58 PM	253.000	7.076	11.615	-0.408
6/21/2017 1:21:59 PM	254.000	7.074	11.613	-0.404
6/21/2017 1:22:00 PM	255.000	7.074	11.614	-0.404
6/21/2017 1:22:01 PM	256.000	7.073	11.614	-0.400
6/21/2017 1:22:02 PM	257.000	7.071	11.615	-0.397
6/21/2017 1:22:03 PM	258.000	7.072	11.616	-0.398
6/21/2017 1:22:04 PM	259.000	7.070	11.615	-0.394
6/21/2017 1:22:05 PM	260.000	7.069	11.614	-0.391
6/21/2017 1:22:06 PM	261.000	7.070	11.613	-0.393
6/21/2017 1:22:07 PM	262.000	7.068	11.615	-0.390
6/21/2017 1:22:08 PM	263.000	7.067	11.613	-0.387
6/21/2017 1:22:09 PM	264.000	7.067	11.616	-0.388
6/21/2017 1:22:10 PM	265.000	7.065	11.610	-0.383
6/21/2017 1:22:11 PM	266.000	7.065	11.615	-0.382
6/21/2017 1:22:12 PM	267.000	7.064	11.614	-0.380
6/21/2017 1:22:13 PM	268.000	7.064	11.613	-0.380
6/21/2017 1:22:14 PM	269.000	7.062	11.612	-0.377
6/21/2017 1:22:15 PM	270.000	7.063	11.613	-0.378
6/21/2017 1:22:16 PM	271.000	7.062	11.614	-0.376
6/21/2017 1:22:17 PM	272.000	7.060	11.618	-0.372
6/21/2017 1:22:18 PM	273.000	7.060	11.614	-0.372
6/21/2017 1:22:19 PM	274.000	7.060	11.615	-0.370
6/21/2017 1:22:20 PM	275.000	7.060	11.614	-0.370
6/21/2017 1:22:21 PM	276.000	7.057	11.614	-0.365
6/21/2017 1:22:22 PM	277.000	7.058	11.612	-0.366
6/21/2017 1:22:23 PM	278.000	7.056	11.615	-0.361
6/21/2017 1:22:24 PM	279.000	7.055	11.613	-0.358
6/21/2017 1:22:25 PM	280.000	7.055	11.613	-0.360
6/21/2017 1:22:26 PM	281.000	7.054	11.615	-0.357
6/21/2017 1:22:27 PM	282.000	7.052	11.612	-0.353
6/21/2017 1:22:28 PM	283.000	7.053	11.615	-0.354
6/21/2017 1:22:29 PM	284.000	7.052	11.615	-0.353
6/21/2017 1:22:30 PM	285.000	7.052	11.615	-0.352
6/21/2017 1:22:31 PM	286.000	7.050	11.613	-0.349
6/21/2017 1:22:32 PM	287.000	7.049	11.614	-0.346
6/21/2017 1:22:33 PM	288.000	7.047	11.617	-0.342
6/21/2017 1:22:34 PM	289.000	7.047	11.617	-0.341
6/21/2017 1:22:35 PM	290.000	7.047	11.616	-0.341
6/21/2017 1:22:36 PM	291.000	7.047	11.613	-0.341
6/21/2017 1:22:37 PM	292.000	7.046	11.617	-0.340
6/21/2017 1:22:38 PM	293.000	7.045	11.617	-0.337
6/21/2017 1:22:39 PM	294.000	7.045	11.617	-0.337
6/21/2017 1:22:40 PM	295.000	7.046	11.617	-0.339
6/21/2017 1:22:41 PM	296.000	7.045	11.616	-0.336
6/21/2017 1:22:42 PM	297.000	7.043	11.616	-0.331

6/21/2017 1:22:43 PM	298.000	7.044	11.616	-0.335
6/21/2017 1:22:44 PM	299.000	7.042	11.616	-0.330
6/21/2017 1:22:45 PM	300.000	7.042	11.616	-0.330
6/21/2017 1:23:45 PM	360.001	7.011	11.574	-0.259
6/21/2017 1:24:45 PM	420.001	6.991	11.565	-0.212
6/21/2017 1:25:45 PM	480.001	6.977	11.562	-0.180
6/21/2017 1:26:45 PM	540.001	6.965	11.558	-0.152
6/21/2017 1:27:45 PM	600.001	6.962	11.558	-0.145
6/21/2017 1:28:45 PM	660.001	6.953	11.558	-0.124
6/21/2017 1:29:45 PM	720.001	6.949	11.554	-0.114
6/21/2017 1:30:45 PM	780.001	6.948	11.554	-0.112
6/21/2017 1:31:45 PM	840.001	6.946	11.553	-0.107
6/21/2017 1:32:45 PM	900.001	6.943	11.555	-0.101
6/21/2017 1:33:45 PM	960.001	6.941	11.552	-0.097
6/21/2017 1:34:45 PM	1020.001	6.937	11.551	-0.087
6/21/2017 1:35:45 PM	1080.001	6.937	11.551	-0.087
6/21/2017 1:36:45 PM	1140.001	6.937	11.554	-0.086
6/21/2017 1:37:45 PM	1200.001	6.936	11.553	-0.085
6/21/2017 1:38:45 PM	1260.001	6.933	11.553	-0.078
6/21/2017 1:39:45 PM	1320.001	6.935	11.552	-0.083
6/21/2017 1:40:45 PM	1380.001	6.932	11.552	-0.076
6/21/2017 1:41:45 PM	1440.001	6.934	11.550	-0.080
6/21/2017 1:42:45 PM	1500.001	6.933	11.551	-0.077
6/21/2017 1:43:45 PM	1560.001	6.934	11.552	-0.081
6/21/2017 1:44:45 PM	1620.001	6.933	11.547	-0.077
6/21/2017 1:45:45 PM	1680.001	6.933	11.552	-0.077
6/21/2017 1:46:45 PM	1740.001	6.931	11.550	-0.073
6/21/2017 1:47:45 PM	1800.001	6.931	11.549	-0.073
6/21/2017 1:48:45 PM	1860.001	6.930	11.549	-0.071
6/21/2017 1:49:45 PM	1920.001	6.931	11.548	-0.072
6/21/2017 1:50:45 PM	1980.001	6.929	11.547	-0.069
6/21/2017 1:51:45 PM	2040.001	6.931	11.550	-0.072
6/21/2017 1:52:45 PM	2100.001	6.930	11.548	-0.071
6/21/2017 1:53:45 PM	2160.001	6.931	11.548	-0.073
6/21/2017 1:54:45 PM	2220.001	6.932	11.547	-0.074
6/21/2017 1:55:45 PM	2280.001	6.931	11.549	-0.073
6/21/2017 1:56:45 PM	2340.001	6.928	11.546	-0.066
6/21/2017 1:57:45 PM	2400.001	6.928	11.548	-0.066
6/21/2017 1:58:45 PM	2460.001	6.930	11.547	-0.070
6/21/2017 1:59:45 PM	2520.001	6.926	11.546	-0.062
6/21/2017 2:00:45 PM	2580.001	6.928	11.546	-0.065
6/21/2017 2:01:45 PM	2640.001	6.929	11.545	-0.069
6/21/2017 2:02:45 PM	2700.001	6.930	11.543	-0.070
6/21/2017 2:03:45 PM	2760.001	6.927	11.547	-0.063
6/21/2017 2:04:45 PM	2820.001	6.927	11.542	-0.065
6/21/2017 2:05:45 PM	2880.001	6.927	11.546	-0.063
6/21/2017 2:06:45 PM	2940.001	6.926	11.546	-0.063
6/21/2017 2:07:45 PM	3000.001	6.927	11.542	-0.064
6/21/2017 2:08:45 PM	3060.001	6.930	11.543	-0.070
6/21/2017 2:09:45 PM	3120.001	6.929	11.545	-0.069
6/21/2017 2:10:45 PM	3180.001	6.928	11.542	-0.066
6/21/2017 2:11:45 PM	3240.001	6.934	11.544	-0.079
6/21/2017 2:12:45 PM	3300.001	6.927	11.540	-0.065
6/21/2017 2:13:45 PM	3360.001	6.927	11.544	-0.064
6/21/2017 2:14:45 PM	3420.001	6.927	11.543	-0.064
6/21/2017 2:15:45 PM	3480.001	6.926	11.541	-0.061
6/21/2017 2:16:45 PM	3540.001	6.928	11.542	-0.067
6/21/2017 2:17:45 PM	3600.001	6.930	11.541	-0.071
6/21/2017 2:18:45 PM	3660.001	6.927	11.540	-0.064
6/21/2017 2:19:45 PM	3720.001	6.928	11.540	-0.067
6/21/2017 2:20:45 PM	3780.001	6.929	11.540	-0.068
6/21/2017 2:21:45 PM	3840.001	6.930	11.541	-0.070
6/21/2017 2:22:45 PM	3900.001	6.932	11.540	-0.075

Report Date: 7/10/2017 9:20:15 AM
Report User Name: dalmond
Report Computer Name: PINEWRKMA25-PC
Application: WinSitu.exe
Application Version: 5.6.25.0

Log File Properties:
File Name: MW-020 FH3_2017-07-10_09-20-10-432.wsl
Create Date: 7/10/2017 9:20:08 AM

Device Properties:
Device: Level TROLL 700
Site: Camp Hero
Device Name:
Serial Number: 169305
Firmware Version: 2.09
Hardware Version: 3
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 21
Used Battery(%): 41

Log Configuration
Log Name: MW-020 FH3
Created By: Unknown
Computer Name: Pocket PC
Application: WinSituMobile.exe
Application Version: 5.6.0.10
Create Date: 3/3/2006 9:39:14 AM Eastern Standard Time
Log Setup Time Zone: Eastern Standard Time
Notes Size(bytes): 4096
Overwrite when full: Disabled
Scheduled Start Time: Manual Start
Scheduled Stop Time: No Stop Time
Type: Step Test
Steps: 2 (Linear)
Step: 1
Duration: Days: 0 hrs: 00 mins: 05 secs: 00
Interval: Days: 0 hrs: 00 mins: 00 secs: 01
Step: 2
Duration: Days: 0 hrs: 01 mins: 00 secs: 00
Interval: Days: 0 hrs: 00 mins: 01 secs: 00

Level Reference Settings At Log Creation
Level Measurement Mode: Level Depth To Water
Specific Gravity: 0.999
Level Reference Mode: Set new reference
Level Reference Value: 0 (ft)
Level Reference Head Pressure: 6.91292 (PSI)

Other Log Settings
Depth of Probe: 15.9647 (ft)
Head Pressure: 6.9142 (PSI)
Temperature: 11.6646 (C)

Log Notes:

Date and Time	Note
6/21/2017 3:16:24 PM	Used Battery: 41% Used Memory: 23% User Name: Unknown
6/21/2017 3:16:54 PM	Manual Start Command
6/21/2017 3:20:04 PM	Log Download - Used Battery: 41% Used Memory: 23% User Name: Unknown
6/21/2017 3:54:25 PM	Log Download - Used Battery: 41% Used Memory: 23% User Name: Unknown
6/21/2017 3:55:21 PM	Used Battery: 41% Used Memory: 23% User Name: Unknown
6/21/2017 3:55:21 PM	Manual Stop Command

Log Data:
Record Count: 334
Sensors: 1
1 - 169305: Pressure/Temp 30 PSIG (21m/69ft)
Time Zone: Eastern Daylight Time

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 69ft SN#: 169305 Pressure (PSI)	Sensor: Pres(G) 69ft SN#: 169305 Temperature (C)	Sensor: Pres(G) 69ft SN#: 169305 Level Depth To Water (ft)
6/21/2017 3:16:54 PM	0.000	6.923	11.553	-0.023
6/21/2017 3:16:55 PM	1.000	6.923	11.562	-0.023
6/21/2017 3:16:56 PM	2.000	6.917	11.564	-0.009
6/21/2017 3:16:57 PM	3.000	6.920	11.570	-0.017
6/21/2017 3:16:58 PM	4.000	6.921	11.571	-0.019
6/21/2017 3:16:59 PM	5.000	6.920	11.571	-0.016
6/21/2017 3:17:00 PM	6.000	6.921	11.573	-0.019
6/21/2017 3:17:01 PM	7.000	6.919	11.572	-0.014
6/21/2017 3:17:02 PM	8.000	6.921	11.573	-0.018
6/21/2017 3:17:03 PM	9.000	6.920	11.573	-0.017
6/21/2017 3:17:04 PM	10.000	7.334	11.574	-0.972
6/21/2017 3:17:05 PM	11.000	7.864	11.577	-2.196
6/21/2017 3:17:06 PM	12.000	7.933	11.574	-2.356
6/21/2017 3:17:07 PM	13.000	7.807	11.576	-2.065
6/21/2017 3:17:08 PM	14.000	7.722	11.579	-1.867
6/21/2017 3:17:09 PM	15.000	7.700	11.578	-1.818
6/21/2017 3:17:10 PM	16.000	7.712	11.578	-1.844
6/21/2017 3:17:11 PM	17.000	7.699	11.578	-1.816
6/21/2017 3:17:12 PM	18.000	7.692	11.578	-1.798
6/21/2017 3:17:13 PM	19.000	7.685	11.578	-1.784
6/21/2017 3:17:14 PM	20.000	7.678	11.581	-1.767
6/21/2017 3:17:15 PM	21.000	7.671	11.582	-1.750
6/21/2017 3:17:16 PM	22.000	7.664	11.582	-1.733
6/21/2017 3:17:17 PM	23.000	7.656	11.581	-1.716
6/21/2017 3:17:18 PM	24.000	7.651	11.583	-1.705
6/21/2017 3:17:19 PM	25.000	7.644	11.582	-1.689
6/21/2017 3:17:20 PM	26.000	7.638	11.582	-1.674
6/21/2017 3:17:21 PM	27.000	7.632	11.584	-1.660
6/21/2017 3:17:22 PM	28.000	7.626	11.585	-1.647
6/21/2017 3:17:23 PM	29.000	7.620	11.586	-1.632
6/21/2017 3:17:24 PM	30.022	7.614	11.587	-1.620
6/21/2017 3:17:25 PM	31.000	7.610	11.585	-1.609
6/21/2017 3:17:26 PM	32.000	7.604	11.588	-1.596
6/21/2017 3:17:27 PM	33.000	7.599	11.588	-1.583
6/21/2017 3:17:28 PM	34.000	7.593	11.583	-1.570
6/21/2017 3:17:29 PM	35.000	7.588	11.586	-1.558
6/21/2017 3:17:30 PM	36.000	7.581	11.587	-1.543
6/21/2017 3:17:31 PM	37.000	7.575	11.587	-1.529
6/21/2017 3:17:32 PM	38.000	7.569	11.588	-1.516
6/21/2017 3:17:33 PM	39.000	7.564	11.587	-1.504
6/21/2017 3:17:34 PM	40.000	7.559	11.587	-1.492
6/21/2017 3:17:35 PM	41.000	7.554	11.588	-1.481

6/21/2017 3:17:36 PM	42.000	7.549	11.587	-1.468
6/21/2017 3:17:37 PM	43.000	7.543	11.590	-1.456
6/21/2017 3:17:38 PM	44.000	7.539	11.589	-1.445
6/21/2017 3:17:39 PM	45.000	7.534	11.587	-1.434
6/21/2017 3:17:40 PM	46.000	7.529	11.588	-1.422
6/21/2017 3:17:41 PM	47.000	7.523	11.589	-1.409
6/21/2017 3:17:42 PM	48.000	7.520	11.589	-1.401
6/21/2017 3:17:43 PM	49.000	7.515	11.591	-1.391
6/21/2017 3:17:44 PM	50.000	7.509	11.593	-1.375
6/21/2017 3:17:45 PM	51.000	7.506	11.590	-1.368
6/21/2017 3:17:46 PM	52.000	7.499	11.590	-1.353
6/21/2017 3:17:47 PM	53.000	7.495	11.593	-1.345
6/21/2017 3:17:48 PM	54.000	7.492	11.592	-1.338
6/21/2017 3:17:49 PM	55.000	7.488	11.591	-1.329
6/21/2017 3:17:50 PM	56.000	7.482	11.595	-1.315
6/21/2017 3:17:51 PM	57.000	7.477	11.594	-1.303
6/21/2017 3:17:52 PM	58.000	7.473	11.593	-1.294
6/21/2017 3:17:53 PM	59.000	7.469	11.591	-1.285
6/21/2017 3:17:54 PM	60.000	7.465	11.594	-1.274
6/21/2017 3:17:55 PM	61.000	7.460	11.594	-1.264
6/21/2017 3:17:56 PM	62.000	7.457	11.591	-1.256
6/21/2017 3:17:57 PM	63.000	7.453	11.594	-1.248
6/21/2017 3:17:58 PM	64.000	7.449	11.595	-1.238
6/21/2017 3:17:59 PM	65.000	7.444	11.596	-1.226
6/21/2017 3:18:00 PM	66.000	7.440	11.593	-1.217
6/21/2017 3:18:01 PM	67.000	7.438	11.593	-1.213
6/21/2017 3:18:02 PM	68.000	7.433	11.596	-1.201
6/21/2017 3:18:03 PM	69.000	7.429	11.594	-1.192
6/21/2017 3:18:04 PM	70.000	7.426	11.596	-1.185
6/21/2017 3:18:05 PM	71.000	7.423	11.597	-1.178
6/21/2017 3:18:06 PM	72.000	7.418	11.594	-1.166
6/21/2017 3:18:07 PM	73.000	7.413	11.596	-1.155
6/21/2017 3:18:08 PM	74.000	7.410	11.596	-1.147
6/21/2017 3:18:09 PM	75.000	7.407	11.594	-1.141
6/21/2017 3:18:10 PM	76.000	7.404	11.596	-1.133
6/21/2017 3:18:11 PM	77.000	7.400	11.596	-1.125
6/21/2017 3:18:12 PM	78.000	7.397	11.598	-1.117
6/21/2017 3:18:13 PM	79.000	7.392	11.596	-1.107
6/21/2017 3:18:14 PM	80.000	7.390	11.598	-1.101
6/21/2017 3:18:15 PM	81.000	7.385	11.596	-1.091
6/21/2017 3:18:16 PM	82.000	7.381	11.595	-1.081
6/21/2017 3:18:17 PM	83.000	7.377	11.598	-1.072
6/21/2017 3:18:18 PM	84.000	7.376	11.596	-1.070
6/21/2017 3:18:19 PM	85.000	7.373	11.599	-1.061
6/21/2017 3:18:20 PM	86.000	7.369	11.597	-1.054
6/21/2017 3:18:21 PM	87.000	7.366	11.596	-1.047
6/21/2017 3:18:22 PM	88.000	7.362	11.599	-1.037
6/21/2017 3:18:23 PM	89.000	7.360	11.599	-1.031
6/21/2017 3:18:24 PM	90.000	7.357	11.598	-1.024
6/21/2017 3:18:25 PM	91.000	7.354	11.601	-1.019
6/21/2017 3:18:26 PM	92.000	7.349	11.597	-1.008
6/21/2017 3:18:27 PM	93.000	7.350	11.597	-1.009
6/21/2017 3:18:28 PM	94.000	7.345	11.599	-0.997
6/21/2017 3:18:29 PM	95.000	7.341	11.597	-0.988
6/21/2017 3:18:30 PM	96.000	7.337	11.598	-0.979
6/21/2017 3:18:31 PM	97.000	7.335	11.596	-0.974
6/21/2017 3:18:32 PM	98.000	7.333	11.599	-0.969
6/21/2017 3:18:33 PM	99.000	7.327	11.599	-0.955
6/21/2017 3:18:34 PM	100.000	7.325	11.599	-0.951
6/21/2017 3:18:35 PM	101.000	7.324	11.596	-0.948
6/21/2017 3:18:36 PM	102.000	7.319	11.599	-0.938
6/21/2017 3:18:37 PM	103.000	7.317	11.601	-0.933
6/21/2017 3:18:38 PM	104.000	7.313	11.598	-0.924

6/21/2017 3:18:39 PM	105.000	7.312	11.599	-0.922
6/21/2017 3:18:40 PM	106.000	7.308	11.601	-0.912
6/21/2017 3:18:41 PM	107.000	7.305	11.600	-0.906
6/21/2017 3:18:42 PM	108.000	7.304	11.599	-0.903
6/21/2017 3:18:43 PM	109.000	7.301	11.601	-0.896
6/21/2017 3:18:44 PM	110.000	7.299	11.599	-0.891
6/21/2017 3:18:45 PM	111.000	7.296	11.596	-0.884
6/21/2017 3:18:46 PM	112.000	7.292	11.600	-0.875
6/21/2017 3:18:47 PM	113.000	7.290	11.601	-0.871
6/21/2017 3:18:48 PM	114.000	7.286	11.598	-0.861
6/21/2017 3:18:49 PM	115.000	7.284	11.602	-0.858
6/21/2017 3:18:50 PM	116.000	7.284	11.598	-0.857
6/21/2017 3:18:51 PM	117.000	7.280	11.601	-0.848
6/21/2017 3:18:52 PM	118.000	7.277	11.599	-0.841
6/21/2017 3:18:53 PM	119.000	7.277	11.601	-0.840
6/21/2017 3:18:54 PM	120.000	7.273	11.601	-0.831
6/21/2017 3:18:55 PM	121.000	7.270	11.602	-0.825
6/21/2017 3:18:56 PM	122.000	7.268	11.599	-0.820
6/21/2017 3:18:57 PM	123.000	7.267	11.601	-0.817
6/21/2017 3:18:58 PM	124.000	7.264	11.601	-0.811
6/21/2017 3:18:59 PM	125.000	7.262	11.602	-0.806
6/21/2017 3:19:00 PM	126.000	7.260	11.602	-0.801
6/21/2017 3:19:01 PM	127.000	7.258	11.601	-0.796
6/21/2017 3:19:02 PM	128.000	7.256	11.603	-0.791
6/21/2017 3:19:03 PM	129.000	7.253	11.602	-0.786
6/21/2017 3:19:04 PM	130.000	7.251	11.601	-0.780
6/21/2017 3:19:05 PM	131.000	7.248	11.601	-0.774
6/21/2017 3:19:06 PM	132.000	7.246	11.602	-0.769
6/21/2017 3:19:07 PM	133.000	7.243	11.605	-0.763
6/21/2017 3:19:08 PM	134.000	7.240	11.602	-0.756
6/21/2017 3:19:09 PM	135.000	7.238	11.605	-0.750
6/21/2017 3:19:10 PM	136.000	7.238	11.605	-0.751
6/21/2017 3:19:11 PM	137.000	7.234	11.604	-0.741
6/21/2017 3:19:12 PM	138.000	7.231	11.602	-0.734
6/21/2017 3:19:13 PM	139.000	7.231	11.603	-0.735
6/21/2017 3:19:14 PM	140.000	7.227	11.602	-0.725
6/21/2017 3:19:15 PM	141.000	7.226	11.602	-0.723
6/21/2017 3:19:16 PM	142.000	7.224	11.605	-0.717
6/21/2017 3:19:17 PM	143.000	7.223	11.603	-0.716
6/21/2017 3:19:18 PM	144.000	7.220	11.604	-0.709
6/21/2017 3:19:19 PM	145.000	7.218	11.604	-0.705
6/21/2017 3:19:20 PM	146.000	7.217	11.602	-0.703
6/21/2017 3:19:21 PM	147.000	7.214	11.604	-0.695
6/21/2017 3:19:22 PM	148.000	7.214	11.605	-0.694
6/21/2017 3:19:23 PM	149.000	7.211	11.603	-0.688
6/21/2017 3:19:24 PM	150.000	7.210	11.607	-0.685
6/21/2017 3:19:25 PM	151.000	7.208	11.605	-0.681
6/21/2017 3:19:26 PM	152.000	7.204	11.604	-0.673
6/21/2017 3:19:27 PM	153.000	7.203	11.604	-0.670
6/21/2017 3:19:28 PM	154.000	7.203	11.603	-0.669
6/21/2017 3:19:29 PM	155.000	7.200	11.605	-0.662
6/21/2017 3:19:30 PM	156.000	7.199	11.606	-0.660
6/21/2017 3:19:31 PM	157.000	7.198	11.605	-0.658
6/21/2017 3:19:32 PM	158.000	7.195	11.606	-0.651
6/21/2017 3:19:33 PM	159.000	7.193	11.604	-0.646
6/21/2017 3:19:34 PM	160.000	7.192	11.604	-0.644
6/21/2017 3:19:35 PM	161.000	7.190	11.606	-0.640
6/21/2017 3:19:36 PM	162.000	7.186	11.605	-0.631
6/21/2017 3:19:37 PM	163.000	7.185	11.603	-0.629
6/21/2017 3:19:38 PM	164.000	7.184	11.606	-0.625
6/21/2017 3:19:39 PM	165.000	7.183	11.604	-0.625
6/21/2017 3:19:40 PM	166.000	7.181	11.607	-0.618
6/21/2017 3:19:41 PM	167.000	7.180	11.607	-0.617

6/21/2017 3:19:42 PM	168.000	7.178	11.604	-0.612
6/21/2017 3:19:43 PM	169.000	7.176	11.607	-0.607
6/21/2017 3:19:44 PM	170.000	7.173	11.606	-0.601
6/21/2017 3:19:45 PM	171.000	7.173	11.608	-0.600
6/21/2017 3:19:46 PM	172.000	7.171	11.606	-0.595
6/21/2017 3:19:47 PM	173.000	7.171	11.605	-0.595
6/21/2017 3:19:48 PM	174.000	7.168	11.607	-0.590
6/21/2017 3:19:49 PM	175.000	7.167	11.605	-0.587
6/21/2017 3:19:50 PM	176.000	7.166	11.607	-0.585
6/21/2017 3:19:51 PM	177.000	7.163	11.607	-0.578
6/21/2017 3:19:52 PM	178.000	7.163	11.605	-0.577
6/21/2017 3:19:53 PM	179.000	7.162	11.607	-0.575
6/21/2017 3:19:54 PM	180.000	7.160	11.606	-0.570
6/21/2017 3:19:55 PM	181.000	7.158	11.608	-0.567
6/21/2017 3:19:56 PM	182.000	7.157	11.607	-0.563
6/21/2017 3:19:57 PM	183.000	7.156	11.605	-0.562
6/21/2017 3:19:58 PM	184.000	7.155	11.606	-0.560
6/21/2017 3:19:59 PM	185.000	7.153	11.604	-0.554
6/21/2017 3:20:00 PM	186.000	7.151	11.608	-0.550
6/21/2017 3:20:01 PM	187.000	7.151	11.607	-0.549
6/21/2017 3:20:02 PM	188.000	7.146	11.606	-0.539
6/21/2017 3:20:03 PM	189.000	7.148	11.608	-0.542
6/21/2017 3:20:04 PM	190.000	7.152	11.603	-0.552
6/21/2017 3:20:05 PM	191.021	7.148	11.615	-0.542
6/21/2017 3:20:06 PM	192.000	7.147	11.611	-0.541
6/21/2017 3:20:07 PM	193.000	7.142	11.607	-0.530
6/21/2017 3:20:08 PM	194.039	7.145	11.608	-0.536
6/21/2017 3:20:09 PM	195.000	7.143	11.609	-0.531
6/21/2017 3:20:10 PM	196.000	7.141	11.611	-0.528
6/21/2017 3:20:11 PM	197.000	7.145	11.607	-0.536
6/21/2017 3:20:12 PM	198.000	7.135	11.611	-0.513
6/21/2017 3:20:13 PM	199.000	7.135	11.608	-0.513
6/21/2017 3:20:14 PM	200.000	7.132	11.610	-0.506
6/21/2017 3:20:15 PM	201.000	7.133	11.610	-0.508
6/21/2017 3:20:16 PM	202.000	7.130	11.609	-0.500
6/21/2017 3:20:17 PM	203.000	7.129	11.609	-0.500
6/21/2017 3:20:18 PM	204.000	7.129	11.611	-0.500
6/21/2017 3:20:19 PM	205.000	7.127	11.609	-0.495
6/21/2017 3:20:20 PM	206.000	7.126	11.612	-0.491
6/21/2017 3:20:21 PM	207.000	7.124	11.611	-0.488
6/21/2017 3:20:22 PM	208.000	7.124	11.611	-0.486
6/21/2017 3:20:23 PM	209.000	7.122	11.611	-0.482
6/21/2017 3:20:24 PM	210.000	7.121	11.612	-0.479
6/21/2017 3:20:25 PM	211.000	7.121	11.611	-0.479
6/21/2017 3:20:26 PM	212.000	7.118	11.610	-0.475
6/21/2017 3:20:27 PM	213.000	7.118	11.610	-0.474
6/21/2017 3:20:28 PM	214.000	7.117	11.612	-0.472
6/21/2017 3:20:29 PM	215.000	7.114	11.609	-0.465
6/21/2017 3:20:30 PM	216.000	7.115	11.612	-0.466
6/21/2017 3:20:31 PM	217.000	7.114	11.613	-0.463
6/21/2017 3:20:32 PM	218.000	7.113	11.611	-0.462
6/21/2017 3:20:33 PM	219.000	7.112	11.612	-0.459
6/21/2017 3:20:34 PM	220.000	7.111	11.612	-0.456
6/21/2017 3:20:35 PM	221.000	7.110	11.612	-0.455
6/21/2017 3:20:36 PM	222.000	7.108	11.612	-0.451
6/21/2017 3:20:37 PM	223.000	7.108	11.610	-0.451
6/21/2017 3:20:38 PM	224.000	7.107	11.610	-0.448
6/21/2017 3:20:39 PM	225.000	7.104	11.610	-0.442
6/21/2017 3:20:40 PM	226.000	7.103	11.612	-0.440
6/21/2017 3:20:41 PM	227.000	7.103	11.613	-0.439
6/21/2017 3:20:42 PM	228.000	7.103	11.609	-0.439
6/21/2017 3:20:43 PM	229.000	7.100	11.612	-0.431
6/21/2017 3:20:44 PM	230.000	7.100	11.613	-0.432

6/21/2017 3:20:45 PM	231.000	7.099	11.611	-0.430
6/21/2017 3:20:46 PM	232.000	7.098	11.611	-0.428
6/21/2017 3:20:47 PM	233.000	7.098	11.611	-0.427
6/21/2017 3:20:48 PM	234.000	7.096	11.611	-0.423
6/21/2017 3:20:49 PM	235.000	7.096	11.615	-0.422
6/21/2017 3:20:50 PM	236.000	7.093	11.614	-0.415
6/21/2017 3:20:51 PM	237.000	7.093	11.612	-0.416
6/21/2017 3:20:52 PM	238.000	7.091	11.614	-0.411
6/21/2017 3:20:53 PM	239.000	7.090	11.614	-0.410
6/21/2017 3:20:54 PM	240.000	7.091	11.613	-0.412
6/21/2017 3:20:55 PM	241.000	7.089	11.615	-0.406
6/21/2017 3:20:56 PM	242.000	7.088	11.610	-0.404
6/21/2017 3:20:57 PM	243.000	7.089	11.613	-0.407
6/21/2017 3:20:58 PM	244.000	7.087	11.610	-0.402
6/21/2017 3:20:59 PM	245.000	7.087	11.611	-0.402
6/21/2017 3:21:00 PM	246.000	7.085	11.614	-0.398
6/21/2017 3:21:01 PM	247.000	7.085	11.612	-0.398
6/21/2017 3:21:02 PM	248.000	7.083	11.612	-0.393
6/21/2017 3:21:03 PM	249.000	7.084	11.613	-0.395
6/21/2017 3:21:04 PM	250.000	7.081	11.613	-0.389
6/21/2017 3:21:05 PM	251.000	7.081	11.611	-0.387
6/21/2017 3:21:06 PM	252.000	7.080	11.613	-0.385
6/21/2017 3:21:07 PM	253.000	7.079	11.612	-0.383
6/21/2017 3:21:08 PM	254.000	7.078	11.613	-0.381
6/21/2017 3:21:09 PM	255.000	7.077	11.611	-0.379
6/21/2017 3:21:10 PM	256.000	7.078	11.615	-0.381
6/21/2017 3:21:11 PM	257.000	7.077	11.613	-0.379
6/21/2017 3:21:12 PM	258.000	7.076	11.614	-0.376
6/21/2017 3:21:13 PM	259.000	7.075	11.614	-0.375
6/21/2017 3:21:14 PM	260.000	7.075	11.613	-0.374
6/21/2017 3:21:15 PM	261.000	7.073	11.613	-0.369
6/21/2017 3:21:16 PM	262.000	7.072	11.613	-0.367
6/21/2017 3:21:17 PM	263.000	7.071	11.632	-0.364
6/21/2017 3:21:18 PM	264.000	7.068	11.620	-0.359
6/21/2017 3:21:19 PM	265.000	7.070	11.617	-0.362
6/21/2017 3:21:20 PM	266.000	7.068	11.615	-0.359
6/21/2017 3:21:21 PM	267.000	7.069	11.616	-0.361
6/21/2017 3:21:22 PM	268.000	7.067	11.617	-0.357
6/21/2017 3:21:23 PM	269.000	7.067	11.616	-0.356
6/21/2017 3:21:24 PM	270.000	7.066	11.615	-0.353
6/21/2017 3:21:25 PM	271.000	7.065	11.617	-0.352
6/21/2017 3:21:26 PM	272.000	7.065	11.618	-0.350
6/21/2017 3:21:27 PM	273.000	7.063	11.634	-0.345
6/21/2017 3:21:28 PM	274.000	7.064	11.622	-0.349
6/21/2017 3:21:29 PM	275.000	7.063	11.620	-0.345
6/21/2017 3:21:30 PM	276.000	7.067	11.618	-0.355
6/21/2017 3:21:31 PM	277.000	7.061	11.618	-0.342
6/21/2017 3:21:32 PM	278.000	7.061	11.618	-0.341
6/21/2017 3:21:33 PM	279.000	7.059	11.618	-0.338
6/21/2017 3:21:34 PM	280.000	7.057	11.621	-0.334
6/21/2017 3:21:35 PM	281.000	7.057	11.617	-0.333
6/21/2017 3:21:36 PM	282.000	7.056	11.617	-0.330
6/21/2017 3:21:37 PM	283.000	7.054	11.641	-0.325
6/21/2017 3:21:38 PM	284.000	7.052	11.625	-0.320
6/21/2017 3:21:39 PM	285.000	7.051	11.622	-0.319
6/21/2017 3:21:40 PM	286.000	7.054	11.621	-0.325
6/21/2017 3:21:41 PM	287.000	7.054	11.619	-0.327
6/21/2017 3:21:42 PM	288.000	7.056	11.618	-0.329
6/21/2017 3:21:43 PM	289.000	7.056	11.618	-0.330
6/21/2017 3:21:44 PM	290.000	7.055	11.621	-0.328
6/21/2017 3:21:45 PM	291.000	7.055	11.621	-0.328
6/21/2017 3:21:46 PM	292.000	7.052	11.640	-0.320
6/21/2017 3:21:47 PM	293.000	7.050	11.628	-0.317

6/21/2017 3:21:48 PM	294.000	7.050	11.619	-0.317
6/21/2017 3:21:49 PM	295.000	7.050	11.623	-0.316
6/21/2017 3:21:50 PM	296.000	7.047	11.620	-0.310
6/21/2017 3:21:51 PM	297.000	7.048	11.622	-0.313
6/21/2017 3:21:52 PM	298.000	7.047	11.620	-0.309
6/21/2017 3:21:53 PM	299.000	7.047	11.621	-0.309
6/21/2017 3:21:54 PM	300.000	7.045	11.620	-0.305
6/21/2017 3:22:54 PM	360.001	7.016	11.583	-0.237
6/21/2017 3:23:54 PM	420.001	6.998	11.578	-0.197
6/21/2017 3:24:54 PM	480.001	6.984	11.575	-0.164
6/21/2017 3:25:54 PM	540.001	6.974	11.574	-0.140
6/21/2017 3:26:54 PM	600.001	6.968	11.572	-0.126
6/21/2017 3:27:54 PM	660.001	6.961	11.573	-0.111
6/21/2017 3:28:54 PM	720.001	6.959	11.574	-0.106
6/21/2017 3:29:54 PM	780.001	6.957	11.575	-0.101
6/21/2017 3:30:54 PM	840.001	6.951	11.571	-0.089
6/21/2017 3:31:54 PM	900.001	6.951	11.572	-0.088
6/21/2017 3:32:54 PM	960.001	6.949	11.574	-0.083
6/21/2017 3:33:54 PM	1020.001	6.949	11.572	-0.083
6/21/2017 3:34:54 PM	1080.001	6.943	11.574	-0.069
6/21/2017 3:35:54 PM	1140.001	6.944	11.574	-0.072
6/21/2017 3:36:54 PM	1200.001	6.945	11.571	-0.074
6/21/2017 3:37:54 PM	1260.001	6.943	11.570	-0.070
6/21/2017 3:38:54 PM	1320.001	6.944	11.571	-0.071
6/21/2017 3:39:54 PM	1380.001	6.940	11.568	-0.062
6/21/2017 3:40:54 PM	1440.001	6.941	11.570	-0.065
6/21/2017 3:41:54 PM	1500.001	6.941	11.570	-0.064
6/21/2017 3:42:54 PM	1560.001	6.940	11.569	-0.062
6/21/2017 3:43:54 PM	1620.001	6.936	11.571	-0.054
6/21/2017 3:44:54 PM	1680.001	6.938	11.568	-0.059
6/21/2017 3:45:54 PM	1740.001	6.939	11.568	-0.060
6/21/2017 3:46:54 PM	1800.001	6.937	11.568	-0.056
6/21/2017 3:47:54 PM	1860.001	6.937	11.567	-0.055
6/21/2017 3:48:54 PM	1920.001	6.936	11.567	-0.054
6/21/2017 3:49:54 PM	1980.001	6.934	11.566	-0.050
6/21/2017 3:50:54 PM	2040.001	6.935	11.565	-0.051
6/21/2017 3:51:54 PM	2100.001	6.935	11.566	-0.051
6/21/2017 3:52:54 PM	2160.001	6.935	11.566	-0.051
6/21/2017 3:53:54 PM	2220.001	6.936	11.567	-0.054
6/21/2017 3:54:54 PM	2280.001	6.934	11.563	-0.049

Report Date: 7/10/2017 9:21:55 AM
Report User Name: dalmond
Report Computer Name: PINEWRKMA25-PC
Application: WinSitu.exe
Application Version: 5.6.25.0

Log File Properties:
File Name: MW-20 RH1_2017-07-10_09-21-50-686.wsl
Create Date: 7/10/2017 9:21:34 AM

Device Properties:
Device: Level TROLL 700
Site: Camp Hero
Device Name:
Serial Number: 169305
Firmware Version: 2.09
Hardware Version: 3
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 17
Used Battery(%): 41

Log Configuration
Log Name: MW-20 RH1
Created By: Unknown
Computer Name: Pocket PC
Application: WinSituMobile.exe
Application Version: 5.6.0.10
Create Date: 3/3/2006 6:42:50 AM Eastern Standard Time
Log Setup Time Zone: Eastern Standard Time
Notes Size(bytes): 4096
Overwrite when full: Disabled
Scheduled Start Time: Manual Start
Scheduled Stop Time: No Stop Time
Type: Step Test
Steps: 2 (Linear)
Step: 1
Duration: Days: 0 hrs: 00 mins: 05 secs: 00
Interval: Days: 0 hrs: 00 mins: 00 secs: 01
Step: 2
Duration: Days: 0 hrs: 01 mins: 00 secs: 00
Interval: Days: 0 hrs: 00 mins: 01 secs: 00

Level Reference Settings At Log Creation
Level Measurement Mode: Level Depth To Water
Specific Gravity: 0.999
Level Reference Mode: Set new reference
Level Reference Value: 0 (ft)
Level Reference Head Pressure: 6.91126 (PSI)

Other Log Settings
Depth of Probe: 15.9594 (ft)
Head Pressure: 6.9119 (PSI)
Temperature: 11.6789 (C)

Log Notes:

Date and Time	Note
6/21/2017 12:20:01 PM	Used Battery: 41% Used Memory: 18% User Name: Unknown
6/21/2017 12:22:17 PM	Manual Start Command
6/21/2017 12:23:55 PM	Log Download - Used Battery: 41% Used Memory: 18% User Name: Unknown
6/21/2017 12:50:58 PM	Log Download - Used Battery: 41% Used Memory: 18% User Name: Unknown
6/21/2017 1:02:52 PM	Used Battery: 41% Used Memory: 18% User Name: Unknown
6/21/2017 1:02:53 PM	Manual Stop Command

Log Data:
Record Count: 336
Sensors: 1
1 - 169305: Pressure/Temp 30 PSIG (21m/69ft)
Time Zone: Eastern Daylight Time

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 69ft SN#: 169305 Pressure (PSI)	Sensor: Pres(G) 69ft SN#: 169305 Temperature (C)	Sensor: Pres(G) 69ft SN#: 169305 Level Depth To Water (ft)
6/21/2017 12:22:17 PM	0.000	6.920	11.568	-0.021
6/21/2017 12:22:18 PM	1.001	6.919	11.575	-0.018
6/21/2017 12:22:19 PM	2.001	6.916	11.578	-0.012
6/21/2017 12:22:20 PM	3.001	6.916	11.583	-0.011
6/21/2017 12:22:21 PM	4.001	6.908	11.582	0.007
6/21/2017 12:22:22 PM	5.001	7.158	11.586	-0.570
6/21/2017 12:22:23 PM	6.001	6.117	11.584	1.833
6/21/2017 12:22:24 PM	7.001	6.073	11.583	1.935
6/21/2017 12:22:25 PM	8.001	6.089	11.585	1.898
6/21/2017 12:22:26 PM	9.001	6.098	11.586	1.877
6/21/2017 12:22:27 PM	10.001	6.108	11.588	1.854
6/21/2017 12:22:28 PM	11.001	6.117	11.587	1.835
6/21/2017 12:22:29 PM	12.001	6.124	11.587	1.818
6/21/2017 12:22:30 PM	13.001	6.130	11.589	1.803
6/21/2017 12:22:31 PM	14.001	6.138	11.589	1.787
6/21/2017 12:22:32 PM	15.001	6.145	11.591	1.770
6/21/2017 12:22:33 PM	16.001	6.151	11.588	1.756
6/21/2017 12:22:34 PM	17.001	6.155	11.591	1.746
6/21/2017 12:22:35 PM	18.001	6.164	11.593	1.727
6/21/2017 12:22:36 PM	19.001	6.169	11.592	1.713
6/21/2017 12:22:37 PM	20.001	6.175	11.594	1.701
6/21/2017 12:22:38 PM	21.001	6.180	11.594	1.688
6/21/2017 12:22:39 PM	22.001	6.186	11.596	1.675
6/21/2017 12:22:40 PM	23.001	6.192	11.595	1.662
6/21/2017 12:22:41 PM	24.001	6.198	11.596	1.646
6/21/2017 12:22:42 PM	25.001	6.201	11.597	1.639
6/21/2017 12:22:43 PM	26.001	6.208	11.596	1.623
6/21/2017 12:22:44 PM	27.003	6.213	11.597	1.612
6/21/2017 12:22:45 PM	28.001	6.218	11.599	1.602
6/21/2017 12:22:46 PM	29.001	6.223	11.597	1.589
6/21/2017 12:22:47 PM	30.001	6.228	11.597	1.578
6/21/2017 12:22:48 PM	31.001	6.234	11.598	1.564
6/21/2017 12:22:49 PM	32.001	6.240	11.597	1.551
6/21/2017 12:22:50 PM	33.001	6.242	11.599	1.544
6/21/2017 12:22:51 PM	34.001	6.248	11.599	1.532
6/21/2017 12:22:52 PM	35.001	6.253	11.604	1.520
6/21/2017 12:22:53 PM	36.001	6.259	11.601	1.507
6/21/2017 12:22:54 PM	37.001	6.264	11.601	1.495
6/21/2017 12:22:55 PM	38.001	6.267	11.603	1.488
6/21/2017 12:22:56 PM	39.001	6.273	11.604	1.474
6/21/2017 12:22:57 PM	40.001	6.278	11.604	1.462
6/21/2017 12:22:58 PM	41.001	6.281	11.603	1.454

6/21/2017 12:22:59 PM	42.001	6.286	11.604	1.444
6/21/2017 12:23:00 PM	43.001	6.290	11.603	1.435
6/21/2017 12:23:01 PM	44.001	6.294	11.604	1.426
6/21/2017 12:23:02 PM	45.001	6.299	11.604	1.413
6/21/2017 12:23:03 PM	46.001	6.304	11.602	1.403
6/21/2017 12:23:04 PM	47.001	6.307	11.606	1.395
6/21/2017 12:23:05 PM	48.001	6.311	11.603	1.385
6/21/2017 12:23:06 PM	49.001	6.315	11.606	1.376
6/21/2017 12:23:07 PM	50.001	6.319	11.604	1.368
6/21/2017 12:23:08 PM	51.001	6.323	11.605	1.358
6/21/2017 12:23:09 PM	52.001	6.328	11.610	1.346
6/21/2017 12:23:10 PM	53.001	6.332	11.607	1.337
6/21/2017 12:23:11 PM	54.001	6.336	11.607	1.328
6/21/2017 12:23:12 PM	55.001	6.340	11.607	1.319
6/21/2017 12:23:13 PM	56.001	6.344	11.607	1.310
6/21/2017 12:23:14 PM	57.001	6.348	11.609	1.301
6/21/2017 12:23:15 PM	58.001	6.352	11.609	1.292
6/21/2017 12:23:16 PM	59.001	6.355	11.609	1.285
6/21/2017 12:23:17 PM	60.001	6.359	11.610	1.275
6/21/2017 12:23:18 PM	61.001	6.363	11.609	1.266
6/21/2017 12:23:19 PM	62.001	6.365	11.608	1.262
6/21/2017 12:23:20 PM	63.001	6.369	11.608	1.252
6/21/2017 12:23:21 PM	64.001	6.374	11.607	1.241
6/21/2017 12:23:22 PM	65.001	6.376	11.610	1.236
6/21/2017 12:23:23 PM	66.001	6.382	11.608	1.222
6/21/2017 12:23:24 PM	67.001	6.385	11.609	1.216
6/21/2017 12:23:25 PM	68.001	6.387	11.611	1.210
6/21/2017 12:23:26 PM	69.001	6.391	11.609	1.202
6/21/2017 12:23:27 PM	70.001	6.395	11.611	1.193
6/21/2017 12:23:28 PM	71.001	6.398	11.611	1.185
6/21/2017 12:23:29 PM	72.001	6.403	11.609	1.175
6/21/2017 12:23:30 PM	73.001	6.404	11.610	1.172
6/21/2017 12:23:31 PM	74.001	6.408	11.609	1.162
6/21/2017 12:23:32 PM	75.001	6.413	11.615	1.151
6/21/2017 12:23:33 PM	76.001	6.415	11.612	1.147
6/21/2017 12:23:34 PM	77.001	6.418	11.610	1.140
6/21/2017 12:23:35 PM	78.001	6.421	11.615	1.131
6/21/2017 12:23:36 PM	79.001	6.426	11.612	1.121
6/21/2017 12:23:37 PM	80.001	6.427	11.611	1.117
6/21/2017 12:23:38 PM	81.001	6.431	11.612	1.109
6/21/2017 12:23:39 PM	82.001	6.435	11.615	1.100
6/21/2017 12:23:40 PM	83.001	6.439	11.613	1.090
6/21/2017 12:23:41 PM	84.001	6.440	11.613	1.087
6/21/2017 12:23:42 PM	85.001	6.445	11.614	1.078
6/21/2017 12:23:43 PM	86.001	6.446	11.614	1.075
6/21/2017 12:23:44 PM	87.001	6.451	11.613	1.063
6/21/2017 12:23:45 PM	88.001	6.453	11.611	1.058
6/21/2017 12:23:46 PM	89.001	6.458	11.614	1.048
6/21/2017 12:23:47 PM	90.001	6.459	11.614	1.045
6/21/2017 12:23:48 PM	91.001	6.463	11.616	1.036
6/21/2017 12:23:49 PM	92.001	6.465	11.614	1.029
6/21/2017 12:23:50 PM	93.001	6.469	11.618	1.021
6/21/2017 12:23:51 PM	94.093	6.476	11.612	1.004
6/21/2017 12:23:52 PM	95.001	6.474	11.615	1.009
6/21/2017 12:23:53 PM	96.001	6.476	11.616	1.004
6/21/2017 12:23:54 PM	97.001	6.478	11.611	1.000
6/21/2017 12:23:55 PM	98.001	6.482	11.613	0.992
6/21/2017 12:23:56 PM	99.001	6.485	11.613	0.983
6/21/2017 12:23:57 PM	100.001	6.488	11.616	0.977
6/21/2017 12:23:58 PM	101.001	6.490	11.615	0.973
6/21/2017 12:23:59 PM	102.001	6.494	11.614	0.962
6/21/2017 12:24:00 PM	103.001	6.497	11.616	0.956
6/21/2017 12:24:01 PM	104.001	6.501	11.616	0.946

6/21/2017 12:24:02 PM	105.001	6.500	11.629	0.950
6/21/2017 12:24:03 PM	106.001	6.502	11.619	0.944
6/21/2017 12:24:04 PM	107.001	6.507	11.621	0.934
6/21/2017 12:24:05 PM	108.001	6.511	11.619	0.925
6/21/2017 12:24:06 PM	109.001	6.509	11.618	0.930
6/21/2017 12:24:07 PM	110.001	6.513	11.619	0.920
6/21/2017 12:24:08 PM	111.001	6.515	11.618	0.916
6/21/2017 12:24:09 PM	112.001	6.518	11.619	0.909
6/21/2017 12:24:10 PM	113.001	6.520	11.617	0.904
6/21/2017 12:24:11 PM	114.001	6.523	11.618	0.897
6/21/2017 12:24:12 PM	115.001	6.525	11.617	0.891
6/21/2017 12:24:13 PM	116.001	6.527	11.620	0.888
6/21/2017 12:24:14 PM	117.001	6.532	11.619	0.875
6/21/2017 12:24:15 PM	118.001	6.532	11.618	0.876
6/21/2017 12:24:16 PM	119.001	6.534	11.620	0.870
6/21/2017 12:24:17 PM	120.001	6.537	11.618	0.863
6/21/2017 12:24:18 PM	121.001	6.538	11.618	0.861
6/21/2017 12:24:19 PM	122.001	6.542	11.619	0.853
6/21/2017 12:24:20 PM	123.001	6.542	11.623	0.852
6/21/2017 12:24:21 PM	124.001	6.546	11.620	0.843
6/21/2017 12:24:22 PM	125.001	6.546	11.623	0.844
6/21/2017 12:24:23 PM	126.001	6.550	11.620	0.835
6/21/2017 12:24:24 PM	127.001	6.551	11.620	0.832
6/21/2017 12:24:25 PM	128.001	6.554	11.622	0.825
6/21/2017 12:24:26 PM	129.001	6.556	11.620	0.819
6/21/2017 12:24:27 PM	130.001	6.557	11.619	0.817
6/21/2017 12:24:28 PM	131.001	6.561	11.620	0.809
6/21/2017 12:24:29 PM	132.001	6.563	11.621	0.804
6/21/2017 12:24:30 PM	133.001	6.565	11.622	0.800
6/21/2017 12:24:31 PM	134.001	6.569	11.624	0.790
6/21/2017 12:24:32 PM	135.001	6.570	11.620	0.788
6/21/2017 12:24:33 PM	136.001	6.571	11.624	0.785
6/21/2017 12:24:34 PM	137.001	6.573	11.621	0.780
6/21/2017 12:24:35 PM	138.001	6.575	11.621	0.775
6/21/2017 12:24:36 PM	139.001	6.578	11.623	0.770
6/21/2017 12:24:37 PM	140.001	6.579	11.623	0.766
6/21/2017 12:24:38 PM	141.001	6.582	11.622	0.760
6/21/2017 12:24:39 PM	142.001	6.585	11.621	0.754
6/21/2017 12:24:40 PM	143.001	6.585	11.621	0.752
6/21/2017 12:24:41 PM	144.001	6.589	11.625	0.744
6/21/2017 12:24:42 PM	145.001	6.591	11.623	0.740
6/21/2017 12:24:43 PM	146.001	6.592	11.623	0.737
6/21/2017 12:24:44 PM	147.001	6.593	11.620	0.735
6/21/2017 12:24:45 PM	148.001	6.595	11.623	0.729
6/21/2017 12:24:46 PM	149.001	6.597	11.625	0.725
6/21/2017 12:24:47 PM	150.001	6.598	11.625	0.722
6/21/2017 12:24:48 PM	151.001	6.602	11.623	0.715
6/21/2017 12:24:49 PM	152.001	6.603	11.624	0.712
6/21/2017 12:24:50 PM	153.001	6.604	11.622	0.709
6/21/2017 12:24:51 PM	154.001	6.605	11.622	0.708
6/21/2017 12:24:52 PM	155.001	6.608	11.626	0.701
6/21/2017 12:24:53 PM	156.001	6.609	11.623	0.697
6/21/2017 12:24:54 PM	157.001	6.611	11.624	0.694
6/21/2017 12:24:55 PM	158.001	6.614	11.622	0.686
6/21/2017 12:24:56 PM	159.001	6.614	11.623	0.685
6/21/2017 12:24:57 PM	160.001	6.616	11.624	0.681
6/21/2017 12:24:58 PM	161.001	6.618	11.627	0.677
6/21/2017 12:24:59 PM	162.001	6.619	11.627	0.674
6/21/2017 12:25:00 PM	163.001	6.623	11.625	0.666
6/21/2017 12:25:01 PM	164.001	6.623	11.623	0.666
6/21/2017 12:25:02 PM	165.001	6.625	11.620	0.661
6/21/2017 12:25:03 PM	166.001	6.628	11.623	0.655
6/21/2017 12:25:04 PM	167.001	6.627	11.623	0.655

6/21/2017 12:25:05 PM	168.001	6.631	11.623	0.647
6/21/2017 12:25:06 PM	169.001	6.632	11.625	0.645
6/21/2017 12:25:07 PM	170.001	6.633	11.623	0.641
6/21/2017 12:25:08 PM	171.001	6.636	11.626	0.635
6/21/2017 12:25:09 PM	172.001	6.635	11.627	0.637
6/21/2017 12:25:10 PM	173.001	6.638	11.624	0.631
6/21/2017 12:25:11 PM	174.001	6.639	11.624	0.629
6/21/2017 12:25:12 PM	175.001	6.642	11.624	0.621
6/21/2017 12:25:13 PM	176.001	6.643	11.624	0.619
6/21/2017 12:25:14 PM	177.001	6.644	11.623	0.617
6/21/2017 12:25:15 PM	178.001	6.646	11.623	0.612
6/21/2017 12:25:16 PM	179.001	6.647	11.624	0.611
6/21/2017 12:25:17 PM	180.001	6.648	11.623	0.608
6/21/2017 12:25:18 PM	181.001	6.650	11.624	0.603
6/21/2017 12:25:19 PM	182.001	6.651	11.625	0.600
6/21/2017 12:25:20 PM	183.001	6.652	11.625	0.598
6/21/2017 12:25:21 PM	184.001	6.655	11.626	0.592
6/21/2017 12:25:22 PM	185.001	6.655	11.626	0.592
6/21/2017 12:25:23 PM	186.001	6.656	11.619	0.590
6/21/2017 12:25:24 PM	187.001	6.658	11.622	0.585
6/21/2017 12:25:25 PM	188.001	6.659	11.628	0.583
6/21/2017 12:25:26 PM	189.001	6.662	11.626	0.576
6/21/2017 12:25:27 PM	190.001	6.663	11.626	0.574
6/21/2017 12:25:28 PM	191.001	6.665	11.626	0.569
6/21/2017 12:25:29 PM	192.001	6.666	11.633	0.567
6/21/2017 12:25:30 PM	193.001	6.667	11.627	0.563
6/21/2017 12:25:31 PM	194.001	6.669	11.624	0.559
6/21/2017 12:25:32 PM	195.001	6.669	11.627	0.560
6/21/2017 12:25:33 PM	196.001	6.670	11.626	0.558
6/21/2017 12:25:34 PM	197.001	6.671	11.624	0.555
6/21/2017 12:25:35 PM	198.001	6.673	11.625	0.550
6/21/2017 12:25:36 PM	199.001	6.674	11.627	0.548
6/21/2017 12:25:37 PM	200.001	6.676	11.624	0.544
6/21/2017 12:25:38 PM	201.001	6.677	11.626	0.541
6/21/2017 12:25:39 PM	202.001	6.680	11.625	0.535
6/21/2017 12:25:40 PM	203.001	6.679	11.626	0.535
6/21/2017 12:25:41 PM	204.001	6.681	11.627	0.532
6/21/2017 12:25:42 PM	205.001	6.681	11.626	0.531
6/21/2017 12:25:43 PM	206.001	6.682	11.624	0.530
6/21/2017 12:25:44 PM	207.001	6.684	11.626	0.526
6/21/2017 12:25:45 PM	208.001	6.686	11.625	0.521
6/21/2017 12:25:46 PM	209.001	6.685	11.626	0.522
6/21/2017 12:25:47 PM	210.001	6.688	11.627	0.516
6/21/2017 12:25:48 PM	211.001	6.689	11.628	0.513
6/21/2017 12:25:49 PM	212.001	6.690	11.627	0.511
6/21/2017 12:25:50 PM	213.001	6.690	11.626	0.510
6/21/2017 12:25:51 PM	214.001	6.692	11.628	0.507
6/21/2017 12:25:52 PM	215.001	6.694	11.626	0.502
6/21/2017 12:25:53 PM	216.001	6.694	11.628	0.501
6/21/2017 12:25:54 PM	217.001	6.697	11.627	0.495
6/21/2017 12:25:55 PM	218.001	6.697	11.626	0.495
6/21/2017 12:25:56 PM	219.001	6.699	11.624	0.489
6/21/2017 12:25:57 PM	220.001	6.700	11.627	0.487
6/21/2017 12:25:58 PM	221.001	6.702	11.627	0.484
6/21/2017 12:25:59 PM	222.001	6.702	11.641	0.484
6/21/2017 12:26:00 PM	223.001	6.702	11.633	0.484
6/21/2017 12:26:01 PM	224.001	6.705	11.629	0.477
6/21/2017 12:26:02 PM	225.001	6.704	11.629	0.478
6/21/2017 12:26:03 PM	226.001	6.705	11.628	0.477
6/21/2017 12:26:04 PM	227.001	6.707	11.630	0.471
6/21/2017 12:26:05 PM	228.001	6.708	11.629	0.470
6/21/2017 12:26:06 PM	229.001	6.709	11.631	0.468
6/21/2017 12:26:07 PM	230.001	6.709	11.626	0.466

6/21/2017 12:26:08 PM	231.001	6.710	11.628	0.464
6/21/2017 12:26:09 PM	232.001	6.714	11.641	0.455
6/21/2017 12:26:10 PM	233.001	6.715	11.634	0.454
6/21/2017 12:26:11 PM	234.001	6.714	11.634	0.456
6/21/2017 12:26:12 PM	235.001	6.715	11.631	0.452
6/21/2017 12:26:13 PM	236.001	6.716	11.628	0.450
6/21/2017 12:26:14 PM	237.001	6.718	11.631	0.447
6/21/2017 12:26:15 PM	238.001	6.717	11.629	0.449
6/21/2017 12:26:16 PM	239.001	6.721	11.628	0.440
6/21/2017 12:26:17 PM	240.001	6.721	11.629	0.439
6/21/2017 12:26:18 PM	241.001	6.722	11.629	0.436
6/21/2017 12:26:19 PM	242.001	6.723	11.630	0.435
6/21/2017 12:26:20 PM	243.001	6.723	11.645	0.435
6/21/2017 12:26:21 PM	244.001	6.724	11.634	0.432
6/21/2017 12:26:22 PM	245.001	6.724	11.632	0.431
6/21/2017 12:26:23 PM	246.001	6.726	11.633	0.427
6/21/2017 12:26:24 PM	247.001	6.727	11.632	0.426
6/21/2017 12:26:25 PM	248.001	6.728	11.630	0.423
6/21/2017 12:26:26 PM	249.001	6.729	11.631	0.420
6/21/2017 12:26:27 PM	250.001	6.730	11.632	0.419
6/21/2017 12:26:28 PM	251.001	6.730	11.629	0.419
6/21/2017 12:26:29 PM	252.001	6.733	11.631	0.411
6/21/2017 12:26:30 PM	253.001	6.731	11.647	0.416
6/21/2017 12:26:31 PM	254.001	6.733	11.637	0.411
6/21/2017 12:26:32 PM	255.001	6.733	11.634	0.411
6/21/2017 12:26:33 PM	256.001	6.734	11.633	0.409
6/21/2017 12:26:34 PM	257.001	6.736	11.633	0.405
6/21/2017 12:26:35 PM	258.001	6.738	11.632	0.401
6/21/2017 12:26:36 PM	259.001	6.739	11.633	0.399
6/21/2017 12:26:37 PM	260.001	6.739	11.632	0.399
6/21/2017 12:26:38 PM	261.001	6.740	11.633	0.395
6/21/2017 12:26:39 PM	262.001	6.742	11.632	0.392
6/21/2017 12:26:40 PM	263.001	6.740	11.646	0.395
6/21/2017 12:26:41 PM	264.001	6.742	11.640	0.391
6/21/2017 12:26:42 PM	265.001	6.743	11.635	0.390
6/21/2017 12:26:43 PM	266.001	6.743	11.636	0.389
6/21/2017 12:26:44 PM	267.001	6.745	11.635	0.385
6/21/2017 12:26:45 PM	268.001	6.745	11.633	0.383
6/21/2017 12:26:46 PM	269.001	6.746	11.633	0.381
6/21/2017 12:26:47 PM	270.001	6.746	11.635	0.381
6/21/2017 12:26:48 PM	271.001	6.749	11.633	0.375
6/21/2017 12:26:49 PM	272.001	6.750	11.631	0.372
6/21/2017 12:26:50 PM	273.001	6.747	11.648	0.379
6/21/2017 12:26:51 PM	274.001	6.750	11.640	0.372
6/21/2017 12:26:52 PM	275.001	6.750	11.637	0.371
6/21/2017 12:26:53 PM	276.001	6.750	11.634	0.372
6/21/2017 12:26:54 PM	277.001	6.752	11.635	0.367
6/21/2017 12:26:55 PM	278.001	6.752	11.632	0.367
6/21/2017 12:26:56 PM	279.001	6.753	11.631	0.365
6/21/2017 12:26:57 PM	280.001	6.755	11.637	0.362
6/21/2017 12:26:58 PM	281.001	6.755	11.634	0.361
6/21/2017 12:26:59 PM	282.001	6.760	11.633	0.349
6/21/2017 12:27:00 PM	283.001	6.756	11.650	0.359
6/21/2017 12:27:01 PM	284.001	6.758	11.642	0.354
6/21/2017 12:27:02 PM	285.001	6.758	11.637	0.354
6/21/2017 12:27:03 PM	286.001	6.758	11.635	0.353
6/21/2017 12:27:04 PM	287.001	6.760	11.634	0.349
6/21/2017 12:27:05 PM	288.001	6.760	11.637	0.350
6/21/2017 12:27:06 PM	289.001	6.761	11.635	0.346
6/21/2017 12:27:07 PM	290.001	6.763	11.631	0.343
6/21/2017 12:27:08 PM	291.001	6.763	11.634	0.343
6/21/2017 12:27:09 PM	292.001	6.763	11.648	0.343
6/21/2017 12:27:10 PM	293.001	6.764	11.640	0.339

6/21/2017 12:27:11 PM	294.001	6.764	11.636	0.339
6/21/2017 12:27:12 PM	295.001	6.767	11.633	0.333
6/21/2017 12:27:13 PM	296.001	6.765	11.636	0.338
6/21/2017 12:27:14 PM	297.001	6.766	11.637	0.335
6/21/2017 12:27:15 PM	298.001	6.766	11.637	0.335
6/21/2017 12:27:16 PM	299.001	6.768	11.637	0.330
6/21/2017 12:27:17 PM	300.001	6.768	11.637	0.331
6/21/2017 12:28:17 PM	360.002	6.802	11.597	0.252
6/21/2017 12:29:17 PM	420.002	6.824	11.589	0.200
6/21/2017 12:30:17 PM	480.002	6.841	11.584	0.162
6/21/2017 12:31:17 PM	540.002	6.854	11.586	0.131
6/21/2017 12:32:17 PM	600.002	6.863	11.584	0.112
6/21/2017 12:33:17 PM	660.002	6.871	11.581	0.093
6/21/2017 12:34:17 PM	720.002	6.876	11.583	0.082
6/21/2017 12:35:17 PM	780.002	6.882	11.582	0.067
6/21/2017 12:36:17 PM	840.002	6.881	11.578	0.069
6/21/2017 12:37:17 PM	900.002	6.886	11.580	0.059
6/21/2017 12:38:17 PM	960.002	6.888	11.581	0.054
6/21/2017 12:39:17 PM	1020.002	6.889	11.579	0.051
6/21/2017 12:40:17 PM	1080.002	6.890	11.581	0.050
6/21/2017 12:41:17 PM	1140.002	6.893	11.579	0.043
6/21/2017 12:42:17 PM	1200.002	6.894	11.579	0.040
6/21/2017 12:43:17 PM	1260.002	6.894	11.577	0.041
6/21/2017 12:44:17 PM	1320.002	6.893	11.579	0.041
6/21/2017 12:45:17 PM	1380.002	6.897	11.577	0.032
6/21/2017 12:46:17 PM	1440.002	6.896	11.580	0.035
6/21/2017 12:47:17 PM	1500.002	6.898	11.576	0.030
6/21/2017 12:48:17 PM	1560.002	6.898	11.574	0.030
6/21/2017 12:49:17 PM	1620.002	6.898	11.578	0.031
6/21/2017 12:50:17 PM	1680.002	6.896	11.577	0.036
6/21/2017 12:51:17 PM	1740.002	6.900	11.576	0.025
6/21/2017 12:52:17 PM	1800.002	6.900	11.568	0.025
6/21/2017 12:53:17 PM	1860.002	6.902	11.570	0.022
6/21/2017 12:54:17 PM	1920.002	6.901	11.572	0.024
6/21/2017 12:55:17 PM	1980.002	6.901	11.575	0.023
6/21/2017 12:56:17 PM	2040.002	6.903	11.574	0.019
6/21/2017 12:57:17 PM	2100.002	6.904	11.574	0.017
6/21/2017 12:58:17 PM	2160.002	6.901	11.574	0.023
6/21/2017 12:59:17 PM	2220.002	6.902	11.576	0.021
6/21/2017 1:00:17 PM	2280.002	6.904	11.574	0.016
6/21/2017 1:01:17 PM	2340.002	6.904	11.573	0.017
6/21/2017 1:02:17 PM	2400.002	6.903	11.576	0.020

Report Date: 7/10/2017 9:20:42 AM
Report User Name: dalmond
Report Computer Name: PINEWRKMA25-PC
Application: WinSitu.exe
Application Version: 5.6.25.0

Log File Properties:
File Name: MW-020 RH2_2017-07-10_09-20-37-832.wsl
Create Date: 7/10/2017 9:20:35 AM

Device Properties:
Device: Level TROLL 700
Site: Camp Hero
Device Name:
Serial Number: 169305
Firmware Version: 2.09
Hardware Version: 3
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 20
Used Battery(%): 41

Log Configuration
Log Name: MW-020 RH2
Created By: Unknown
Computer Name: Pocket PC
Application: WinSituMobile.exe
Application Version: 5.6.0.10
Create Date: 3/3/2006 8:49:14 AM Eastern Standard Time
Log Setup Time Zone: Eastern Standard Time
Notes Size(bytes): 4096
Overwrite when full: Disabled
Scheduled Start Time: Manual Start
Scheduled Stop Time: No Stop Time
Type: Step Test
Steps: 2 (Linear)
Step: 1
Duration: Days: 0 hrs: 00 mins: 05 secs: 00
Interval: Days: 0 hrs: 00 mins: 00 secs: 01
Step: 2
Duration: Days: 0 hrs: 01 mins: 00 secs: 00
Interval: Days: 0 hrs: 00 mins: 01 secs: 00

Level Reference Settings At Log Creation
Level Measurement Mode: Level Depth To Water
Specific Gravity: 0.999
Level Reference Mode: Set new reference
Level Reference Value: 0 (ft)
Level Reference Head Pressure: 6.92603 (PSI)

Other Log Settings
Depth of Probe: 15.9874 (ft)
Head Pressure: 6.92403 (PSI)
Temperature: 11.6546 (C)

Log Notes:

Date and Time	Note
6/21/2017 2:26:24 PM	Used Battery: 41% Used Memory: 21% User Name: Unknown
6/21/2017 2:27:36 PM	Manual Start Command
6/21/2017 3:14:50 PM	Used Battery: 41% Used Memory: 21% User Name: Unknown
6/21/2017 3:14:50 PM	Manual Stop Command

Log Data:
Record Count: 343
Sensors: 1
1 - 169305: Pressure/Temp 30 PSIG (21m/69ft)
Time Zone: Eastern Daylight Time

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 69ft SN#: 169305 Pressure (PSI)	Sensor: Pres(G) 69ft SN#: 169305 Temperature (C)	Sensor: Pres(G) 69ft SN#: 169305 Level Depth To Water (ft)
6/21/2017 2:27:36 PM	0.000	6.941	11.544	-0.034
6/21/2017 2:27:37 PM	1.000	6.940	11.551	-0.032
6/21/2017 2:27:38 PM	2.000	6.940	11.557	-0.031
6/21/2017 2:27:39 PM	3.000	6.939	11.557	-0.029
6/21/2017 2:27:40 PM	4.000	6.941	11.561	-0.035
6/21/2017 2:27:41 PM	5.000	6.941	11.563	-0.035
6/21/2017 2:27:42 PM	6.000	6.942	11.564	-0.037
6/21/2017 2:27:43 PM	7.000	6.941	11.563	-0.035
6/21/2017 2:27:44 PM	8.000	6.942	11.564	-0.036
6/21/2017 2:27:45 PM	9.000	6.943	11.565	-0.039
6/21/2017 2:27:46 PM	10.000	6.943	11.566	-0.038
6/21/2017 2:27:47 PM	11.000	6.943	11.565	-0.039
6/21/2017 2:27:48 PM	12.000	6.943	11.568	-0.038
6/21/2017 2:27:49 PM	13.000	6.627	11.568	0.691
6/21/2017 2:27:50 PM	14.000	6.193	11.569	1.693
6/21/2017 2:27:51 PM	15.000	6.070	11.572	1.977
6/21/2017 2:27:52 PM	16.000	6.108	11.571	1.888
6/21/2017 2:27:53 PM	17.000	6.114	11.569	1.875
6/21/2017 2:27:54 PM	18.000	6.125	11.571	1.850
6/21/2017 2:27:55 PM	19.000	6.133	11.573	1.830
6/21/2017 2:27:56 PM	20.000	6.141	11.569	1.814
6/21/2017 2:27:57 PM	21.000	6.149	11.573	1.795
6/21/2017 2:27:58 PM	22.000	6.156	11.572	1.777
6/21/2017 2:27:59 PM	23.000	6.163	11.575	1.762
6/21/2017 2:28:00 PM	24.000	6.170	11.573	1.747
6/21/2017 2:28:01 PM	25.000	6.175	11.575	1.734
6/21/2017 2:28:02 PM	26.000	6.182	11.576	1.717
6/21/2017 2:28:03 PM	27.000	6.187	11.574	1.706
6/21/2017 2:28:04 PM	28.000	6.196	11.576	1.686
6/21/2017 2:28:05 PM	29.000	6.202	11.577	1.672
6/21/2017 2:28:06 PM	30.000	6.207	11.577	1.660
6/21/2017 2:28:07 PM	31.000	6.213	11.577	1.646
6/21/2017 2:28:08 PM	32.000	6.220	11.578	1.630
6/21/2017 2:28:09 PM	33.000	6.225	11.579	1.619
6/21/2017 2:28:10 PM	34.000	6.230	11.578	1.607
6/21/2017 2:28:11 PM	35.000	6.236	11.578	1.594
6/21/2017 2:28:12 PM	36.000	6.241	11.582	1.582
6/21/2017 2:28:13 PM	37.000	6.247	11.580	1.568
6/21/2017 2:28:14 PM	38.000	6.252	11.578	1.557
6/21/2017 2:28:15 PM	39.000	6.257	11.580	1.545
6/21/2017 2:28:16 PM	40.000	6.261	11.580	1.535
6/21/2017 2:28:17 PM	41.000	6.267	11.580	1.522
6/21/2017 2:28:18 PM	42.000	6.272	11.583	1.510
6/21/2017 2:28:19 PM	43.000	6.277	11.579	1.497

6/21/2017 2:28:20 PM	44.000	6.283	11.582	1.484
6/21/2017 2:28:21 PM	45.000	6.287	11.580	1.475
6/21/2017 2:28:22 PM	46.000	6.292	11.584	1.465
6/21/2017 2:28:23 PM	47.000	6.298	11.581	1.451
6/21/2017 2:28:24 PM	48.000	6.302	11.584	1.442
6/21/2017 2:28:25 PM	49.000	6.307	11.582	1.430
6/21/2017 2:28:26 PM	50.000	6.311	11.582	1.420
6/21/2017 2:28:27 PM	51.000	6.318	11.582	1.404
6/21/2017 2:28:28 PM	52.000	6.320	11.584	1.399
6/21/2017 2:28:29 PM	53.000	6.324	11.586	1.389
6/21/2017 2:28:30 PM	54.000	6.330	11.585	1.376
6/21/2017 2:28:31 PM	55.000	6.335	11.585	1.364
6/21/2017 2:28:32 PM	56.000	6.339	11.586	1.355
6/21/2017 2:28:33 PM	57.000	6.343	11.586	1.346
6/21/2017 2:28:34 PM	58.000	6.347	11.585	1.336
6/21/2017 2:28:35 PM	59.000	6.352	11.584	1.326
6/21/2017 2:28:36 PM	60.000	6.354	11.586	1.320
6/21/2017 2:28:37 PM	61.000	6.359	11.585	1.309
6/21/2017 2:28:38 PM	62.000	6.362	11.586	1.302
6/21/2017 2:28:39 PM	63.000	6.368	11.588	1.288
6/21/2017 2:28:40 PM	64.000	6.372	11.587	1.279
6/21/2017 2:28:41 PM	65.000	6.376	11.588	1.269
6/21/2017 2:28:42 PM	66.000	6.380	11.589	1.261
6/21/2017 2:28:43 PM	67.000	6.385	11.588	1.250
6/21/2017 2:28:44 PM	68.000	6.388	11.588	1.243
6/21/2017 2:28:45 PM	69.000	6.392	11.588	1.234
6/21/2017 2:28:46 PM	70.000	6.396	11.588	1.224
6/21/2017 2:28:47 PM	71.000	6.400	11.588	1.215
6/21/2017 2:28:48 PM	72.000	6.401	11.588	1.212
6/21/2017 2:28:49 PM	73.000	6.406	11.588	1.200
6/21/2017 2:28:50 PM	74.000	6.411	11.588	1.190
6/21/2017 2:28:51 PM	75.000	6.414	11.588	1.182
6/21/2017 2:28:52 PM	76.000	6.418	11.591	1.173
6/21/2017 2:28:53 PM	77.000	6.422	11.588	1.164
6/21/2017 2:28:54 PM	78.000	6.426	11.588	1.155
6/21/2017 2:28:55 PM	79.000	6.430	11.590	1.145
6/21/2017 2:28:56 PM	80.000	6.432	11.591	1.141
6/21/2017 2:28:57 PM	81.000	6.434	11.588	1.136
6/21/2017 2:28:58 PM	82.000	6.436	11.589	1.131
6/21/2017 2:28:59 PM	83.000	6.443	11.590	1.115
6/21/2017 2:29:00 PM	84.000	6.446	11.588	1.109
6/21/2017 2:29:01 PM	85.000	6.449	11.592	1.102
6/21/2017 2:29:02 PM	86.000	6.452	11.591	1.094
6/21/2017 2:29:03 PM	87.000	6.456	11.591	1.086
6/21/2017 2:29:04 PM	88.000	6.460	11.592	1.077
6/21/2017 2:29:05 PM	89.000	6.461	11.588	1.074
6/21/2017 2:29:06 PM	90.000	6.465	11.590	1.065
6/21/2017 2:29:07 PM	91.000	6.466	11.592	1.062
6/21/2017 2:29:08 PM	92.000	6.469	11.590	1.055
6/21/2017 2:29:09 PM	93.000	6.475	11.592	1.041
6/21/2017 2:29:10 PM	94.000	6.478	11.591	1.034
6/21/2017 2:29:11 PM	95.000	6.480	11.592	1.029
6/21/2017 2:29:12 PM	96.000	6.484	11.591	1.020
6/21/2017 2:29:13 PM	97.000	6.486	11.591	1.016
6/21/2017 2:29:14 PM	98.000	6.489	11.590	1.010
6/21/2017 2:29:15 PM	99.000	6.492	11.593	1.002
6/21/2017 2:29:16 PM	100.000	6.494	11.590	0.997
6/21/2017 2:29:17 PM	101.000	6.498	11.594	0.988
6/21/2017 2:29:18 PM	102.000	6.501	11.596	0.982
6/21/2017 2:29:19 PM	103.000	6.504	11.591	0.974
6/21/2017 2:29:20 PM	104.000	6.507	11.592	0.966
6/21/2017 2:29:21 PM	105.000	6.510	11.592	0.960
6/21/2017 2:29:22 PM	106.000	6.512	11.594	0.955

6/21/2017 2:29:23 PM	107.000	6.514	11.594	0.951
6/21/2017 2:29:24 PM	108.000	6.517	11.593	0.944
6/21/2017 2:29:25 PM	109.000	6.519	11.595	0.939
6/21/2017 2:29:26 PM	110.000	6.522	11.593	0.933
6/21/2017 2:29:27 PM	111.000	6.526	11.591	0.924
6/21/2017 2:29:28 PM	112.000	6.527	11.595	0.921
6/21/2017 2:29:29 PM	113.000	6.530	11.594	0.914
6/21/2017 2:29:30 PM	114.000	6.534	11.592	0.904
6/21/2017 2:29:31 PM	115.000	6.536	11.595	0.901
6/21/2017 2:29:32 PM	116.000	6.539	11.595	0.894
6/21/2017 2:29:33 PM	117.000	6.541	11.598	0.889
6/21/2017 2:29:34 PM	118.000	6.545	11.594	0.880
6/21/2017 2:29:35 PM	119.000	6.547	11.594	0.875
6/21/2017 2:29:36 PM	120.000	6.548	11.598	0.872
6/21/2017 2:29:37 PM	121.000	6.551	11.596	0.865
6/21/2017 2:29:38 PM	122.000	6.553	11.594	0.862
6/21/2017 2:29:39 PM	123.000	6.557	11.596	0.853
6/21/2017 2:29:40 PM	124.000	6.560	11.597	0.846
6/21/2017 2:29:41 PM	125.000	6.561	11.597	0.843
6/21/2017 2:29:42 PM	126.000	6.564	11.594	0.837
6/21/2017 2:29:43 PM	127.000	6.565	11.597	0.833
6/21/2017 2:29:44 PM	128.000	6.567	11.598	0.829
6/21/2017 2:29:45 PM	129.000	6.571	11.596	0.819
6/21/2017 2:29:46 PM	130.000	6.574	11.597	0.813
6/21/2017 2:29:47 PM	131.000	6.576	11.598	0.809
6/21/2017 2:29:48 PM	132.000	6.578	11.593	0.803
6/21/2017 2:29:49 PM	133.000	6.580	11.596	0.799
6/21/2017 2:29:50 PM	134.000	6.581	11.598	0.797
6/21/2017 2:29:51 PM	135.000	6.583	11.594	0.792
6/21/2017 2:29:52 PM	136.000	6.586	11.596	0.785
6/21/2017 2:29:53 PM	137.000	6.587	11.599	0.783
6/21/2017 2:29:54 PM	138.000	6.591	11.596	0.775
6/21/2017 2:29:55 PM	139.000	6.589	11.598	0.778
6/21/2017 2:29:56 PM	140.000	6.594	11.598	0.766
6/21/2017 2:29:57 PM	141.000	6.597	11.597	0.760
6/21/2017 2:29:58 PM	142.000	6.598	11.597	0.757
6/21/2017 2:29:59 PM	143.000	6.602	11.595	0.749
6/21/2017 2:30:00 PM	144.000	6.604	11.595	0.742
6/21/2017 2:30:01 PM	145.000	6.606	11.599	0.739
6/21/2017 2:30:02 PM	146.000	6.608	11.599	0.734
6/21/2017 2:30:03 PM	147.000	6.609	11.598	0.731
6/21/2017 2:30:04 PM	148.000	6.611	11.598	0.728
6/21/2017 2:30:05 PM	149.000	6.613	11.599	0.722
6/21/2017 2:30:06 PM	150.000	6.615	11.600	0.719
6/21/2017 2:30:07 PM	151.000	6.616	11.598	0.715
6/21/2017 2:30:08 PM	152.000	6.619	11.597	0.708
6/21/2017 2:30:09 PM	153.000	6.622	11.597	0.701
6/21/2017 2:30:10 PM	154.000	6.624	11.597	0.698
6/21/2017 2:30:11 PM	155.000	6.625	11.598	0.694
6/21/2017 2:30:12 PM	156.000	6.626	11.599	0.694
6/21/2017 2:30:13 PM	157.000	6.629	11.598	0.687
6/21/2017 2:30:14 PM	158.000	6.630	11.598	0.683
6/21/2017 2:30:15 PM	159.000	6.632	11.600	0.679
6/21/2017 2:30:16 PM	160.000	6.633	11.598	0.677
6/21/2017 2:30:17 PM	161.000	6.635	11.599	0.671
6/21/2017 2:30:18 PM	162.000	6.636	11.598	0.669
6/21/2017 2:30:19 PM	163.000	6.639	11.599	0.663
6/21/2017 2:30:20 PM	164.000	6.639	11.598	0.663
6/21/2017 2:30:21 PM	165.000	6.643	11.600	0.654
6/21/2017 2:30:22 PM	166.000	6.645	11.599	0.649
6/21/2017 2:30:23 PM	167.000	6.648	11.599	0.643
6/21/2017 2:30:24 PM	168.000	6.647	11.599	0.645
6/21/2017 2:30:25 PM	169.000	6.649	11.598	0.640

6/21/2017 2:30:26 PM	170.000	6.652	11.601	0.633
6/21/2017 2:30:27 PM	171.000	6.653	11.598	0.630
6/21/2017 2:30:28 PM	172.000	6.654	11.600	0.628
6/21/2017 2:30:29 PM	173.000	6.657	11.598	0.620
6/21/2017 2:30:30 PM	174.000	6.658	11.600	0.620
6/21/2017 2:30:31 PM	175.000	6.660	11.600	0.615
6/21/2017 2:30:32 PM	176.000	6.661	11.603	0.611
6/21/2017 2:30:33 PM	177.000	6.663	11.598	0.608
6/21/2017 2:30:34 PM	178.000	6.664	11.601	0.604
6/21/2017 2:30:35 PM	179.000	6.667	11.598	0.598
6/21/2017 2:30:36 PM	180.000	6.666	11.600	0.601
6/21/2017 2:30:37 PM	181.000	6.668	11.600	0.596
6/21/2017 2:30:38 PM	182.000	6.670	11.601	0.591
6/21/2017 2:30:39 PM	183.000	6.674	11.601	0.583
6/21/2017 2:30:40 PM	184.000	6.673	11.602	0.583
6/21/2017 2:30:41 PM	185.000	6.675	11.598	0.579
6/21/2017 2:30:42 PM	186.000	6.675	11.603	0.579
6/21/2017 2:30:43 PM	187.000	6.679	11.602	0.571
6/21/2017 2:30:44 PM	188.000	6.679	11.601	0.571
6/21/2017 2:30:45 PM	189.000	6.681	11.601	0.565
6/21/2017 2:30:46 PM	190.000	6.682	11.600	0.563
6/21/2017 2:30:47 PM	191.000	6.683	11.600	0.561
6/21/2017 2:30:48 PM	192.000	6.685	11.602	0.557
6/21/2017 2:30:49 PM	193.000	6.686	11.601	0.554
6/21/2017 2:30:50 PM	194.000	6.687	11.603	0.551
6/21/2017 2:30:51 PM	195.000	6.690	11.603	0.544
6/21/2017 2:30:52 PM	196.000	6.692	11.599	0.541
6/21/2017 2:30:53 PM	197.000	6.693	11.600	0.538
6/21/2017 2:30:54 PM	198.000	6.694	11.600	0.536
6/21/2017 2:30:55 PM	199.000	6.695	11.601	0.533
6/21/2017 2:30:56 PM	200.000	6.695	11.604	0.532
6/21/2017 2:30:57 PM	201.000	6.696	11.604	0.530
6/21/2017 2:30:58 PM	202.000	6.698	11.603	0.525
6/21/2017 2:30:59 PM	203.000	6.700	11.602	0.521
6/21/2017 2:31:00 PM	204.000	6.702	11.602	0.518
6/21/2017 2:31:01 PM	205.000	6.703	11.602	0.514
6/21/2017 2:31:02 PM	206.000	6.703	11.601	0.515
6/21/2017 2:31:03 PM	207.000	6.705	11.603	0.511
6/21/2017 2:31:04 PM	208.000	6.706	11.603	0.507
6/21/2017 2:31:05 PM	209.000	6.708	11.604	0.503
6/21/2017 2:31:06 PM	210.000	6.709	11.602	0.500
6/21/2017 2:31:07 PM	211.000	6.710	11.602	0.500
6/21/2017 2:31:08 PM	212.000	6.710	11.604	0.498
6/21/2017 2:31:09 PM	213.000	6.712	11.606	0.495
6/21/2017 2:31:10 PM	214.000	6.714	11.605	0.490
6/21/2017 2:31:11 PM	215.000	6.715	11.600	0.487
6/21/2017 2:31:12 PM	216.000	6.716	11.602	0.485
6/21/2017 2:31:13 PM	217.000	6.718	11.603	0.481
6/21/2017 2:31:14 PM	218.000	6.718	11.605	0.480
6/21/2017 2:31:15 PM	219.000	6.720	11.602	0.475
6/21/2017 2:31:16 PM	220.000	6.721	11.602	0.473
6/21/2017 2:31:17 PM	221.000	6.722	11.603	0.470
6/21/2017 2:31:18 PM	222.000	6.723	11.602	0.469
6/21/2017 2:31:19 PM	223.000	6.725	11.603	0.464
6/21/2017 2:31:20 PM	224.000	6.725	11.604	0.465
6/21/2017 2:31:21 PM	225.000	6.726	11.603	0.462
6/21/2017 2:31:22 PM	226.000	6.728	11.602	0.458
6/21/2017 2:31:23 PM	227.000	6.728	11.603	0.457
6/21/2017 2:31:24 PM	228.000	6.730	11.602	0.452
6/21/2017 2:31:25 PM	229.000	6.730	11.604	0.452
6/21/2017 2:31:26 PM	230.000	6.732	11.606	0.449
6/21/2017 2:31:27 PM	231.000	6.733	11.602	0.446
6/21/2017 2:31:28 PM	232.000	6.734	11.604	0.443

6/21/2017 2:31:29 PM	233.000	6.734	11.603	0.442
6/21/2017 2:31:30 PM	234.000	6.737	11.601	0.437
6/21/2017 2:31:31 PM	235.000	6.738	11.603	0.435
6/21/2017 2:31:32 PM	236.000	6.739	11.602	0.431
6/21/2017 2:31:33 PM	237.000	6.738	11.604	0.433
6/21/2017 2:31:34 PM	238.000	6.742	11.602	0.425
6/21/2017 2:31:35 PM	239.000	6.742	11.607	0.426
6/21/2017 2:31:36 PM	240.000	6.742	11.602	0.424
6/21/2017 2:31:37 PM	241.000	6.744	11.605	0.421
6/21/2017 2:31:38 PM	242.000	6.744	11.604	0.421
6/21/2017 2:31:39 PM	243.000	6.745	11.606	0.418
6/21/2017 2:31:40 PM	244.000	6.747	11.603	0.413
6/21/2017 2:31:41 PM	245.000	6.747	11.602	0.412
6/21/2017 2:31:42 PM	246.000	6.749	11.605	0.409
6/21/2017 2:31:43 PM	247.000	6.750	11.603	0.406
6/21/2017 2:31:44 PM	248.000	6.749	11.605	0.409
6/21/2017 2:31:45 PM	249.000	6.752	11.606	0.402
6/21/2017 2:31:46 PM	250.000	6.752	11.604	0.402
6/21/2017 2:31:47 PM	251.000	6.754	11.605	0.397
6/21/2017 2:31:48 PM	252.000	6.753	11.605	0.400
6/21/2017 2:31:49 PM	253.000	6.755	11.606	0.394
6/21/2017 2:31:50 PM	254.000	6.756	11.605	0.393
6/21/2017 2:31:51 PM	255.000	6.757	11.607	0.391
6/21/2017 2:31:52 PM	256.000	6.757	11.605	0.390
6/21/2017 2:31:53 PM	257.000	6.757	11.606	0.390
6/21/2017 2:31:54 PM	258.000	6.760	11.606	0.383
6/21/2017 2:31:55 PM	259.000	6.760	11.606	0.383
6/21/2017 2:31:56 PM	260.000	6.760	11.605	0.382
6/21/2017 2:31:57 PM	261.000	6.760	11.605	0.383
6/21/2017 2:31:58 PM	262.000	6.760	11.604	0.382
6/21/2017 2:31:59 PM	263.000	6.764	11.606	0.374
6/21/2017 2:32:00 PM	264.000	6.764	11.607	0.373
6/21/2017 2:32:01 PM	265.000	6.763	11.605	0.376
6/21/2017 2:32:02 PM	266.000	6.765	11.605	0.372
6/21/2017 2:32:03 PM	267.000	6.767	11.606	0.366
6/21/2017 2:32:04 PM	268.000	6.769	11.605	0.362
6/21/2017 2:32:05 PM	269.000	6.768	11.607	0.365
6/21/2017 2:32:06 PM	270.000	6.769	11.606	0.362
6/21/2017 2:32:07 PM	271.000	6.769	11.603	0.363
6/21/2017 2:32:08 PM	272.000	6.770	11.606	0.360
6/21/2017 2:32:09 PM	273.000	6.772	11.605	0.355
6/21/2017 2:32:10 PM	274.000	6.772	11.605	0.355
6/21/2017 2:32:11 PM	275.000	6.773	11.606	0.354
6/21/2017 2:32:12 PM	276.000	6.773	11.606	0.354
6/21/2017 2:32:13 PM	277.000	6.775	11.605	0.349
6/21/2017 2:32:14 PM	278.000	6.776	11.609	0.346
6/21/2017 2:32:15 PM	279.000	6.777	11.607	0.344
6/21/2017 2:32:16 PM	280.000	6.777	11.607	0.344
6/21/2017 2:32:17 PM	281.000	6.779	11.613	0.341
6/21/2017 2:32:18 PM	282.000	6.778	11.606	0.341
6/21/2017 2:32:19 PM	283.000	6.779	11.607	0.339
6/21/2017 2:32:20 PM	284.000	6.780	11.607	0.338
6/21/2017 2:32:21 PM	285.000	6.781	11.606	0.334
6/21/2017 2:32:22 PM	286.000	6.783	11.605	0.331
6/21/2017 2:32:23 PM	287.000	6.782	11.607	0.333
6/21/2017 2:32:24 PM	288.000	6.783	11.608	0.329
6/21/2017 2:32:25 PM	289.000	6.784	11.607	0.328
6/21/2017 2:32:26 PM	290.000	6.784	11.605	0.329
6/21/2017 2:32:27 PM	291.000	6.786	11.607	0.324
6/21/2017 2:32:28 PM	292.000	6.784	11.605	0.328
6/21/2017 2:32:29 PM	293.000	6.787	11.607	0.321
6/21/2017 2:32:30 PM	294.000	6.787	11.608	0.321
6/21/2017 2:32:31 PM	295.000	6.787	11.607	0.321

6/21/2017 2:32:32 PM	296.000	6.789	11.610	0.315
6/21/2017 2:32:33 PM	297.000	6.790	11.604	0.313
6/21/2017 2:32:34 PM	298.000	6.791	11.608	0.312
6/21/2017 2:32:35 PM	299.000	6.792	11.606	0.310
6/21/2017 2:32:36 PM	300.000	6.790	11.607	0.313
6/21/2017 2:33:36 PM	360.001	6.824	11.568	0.235
6/21/2017 2:34:36 PM	420.001	6.846	11.559	0.184
6/21/2017 2:35:36 PM	480.001	6.860	11.553	0.152
6/21/2017 2:36:36 PM	540.001	6.874	11.553	0.120
6/21/2017 2:37:36 PM	600.001	6.881	11.553	0.105
6/21/2017 2:38:36 PM	660.001	6.886	11.553	0.093
6/21/2017 2:39:36 PM	720.001	6.891	11.551	0.080
6/21/2017 2:40:36 PM	780.001	6.895	11.551	0.072
6/21/2017 2:41:36 PM	840.001	6.899	11.550	0.062
6/21/2017 2:42:36 PM	900.001	6.901	11.551	0.057
6/21/2017 2:43:36 PM	960.001	6.902	11.553	0.056
6/21/2017 2:44:36 PM	1020.001	6.906	11.552	0.045
6/21/2017 2:45:36 PM	1080.001	6.906	11.555	0.047
6/21/2017 2:46:36 PM	1140.001	6.906	11.553	0.045
6/21/2017 2:47:36 PM	1200.001	6.911	11.553	0.034
6/21/2017 2:48:36 PM	1260.001	6.912	11.555	0.032
6/21/2017 2:49:36 PM	1320.001	6.913	11.554	0.029
6/21/2017 2:50:36 PM	1380.001	6.913	11.555	0.030
6/21/2017 2:51:36 PM	1440.001	6.916	11.554	0.023
6/21/2017 2:52:36 PM	1500.001	6.917	11.553	0.021
6/21/2017 2:53:36 PM	1560.001	6.918	11.552	0.019
6/21/2017 2:54:36 PM	1620.001	6.921	11.554	0.012
6/21/2017 2:55:36 PM	1680.001	6.920	11.553	0.013
6/21/2017 2:56:36 PM	1740.001	6.918	11.554	0.019
6/21/2017 2:57:36 PM	1800.001	6.915	11.551	0.025
6/21/2017 2:58:36 PM	1860.001	6.918	11.552	0.019
6/21/2017 2:59:36 PM	1920.001	6.919	11.551	0.017
6/21/2017 3:00:36 PM	1980.001	6.917	11.552	0.020
6/21/2017 3:01:36 PM	2040.001	6.917	11.552	0.020
6/21/2017 3:02:36 PM	2100.001	6.917	11.552	0.020
6/21/2017 3:03:36 PM	2160.001	6.921	11.549	0.013
6/21/2017 3:04:36 PM	2220.001	6.920	11.552	0.013
6/21/2017 3:05:36 PM	2280.001	6.921	11.549	0.011
6/21/2017 3:06:36 PM	2340.001	6.920	11.552	0.014
6/21/2017 3:07:36 PM	2400.001	6.919	11.548	0.016
6/21/2017 3:08:36 PM	2460.001	6.921	11.548	0.011
6/21/2017 3:09:36 PM	2520.001	6.918	11.547	0.019
6/21/2017 3:10:36 PM	2580.001	6.919	11.548	0.016
6/21/2017 3:11:36 PM	2640.001	6.919	11.547	0.017
6/21/2017 3:12:36 PM	2700.001	6.920	11.548	0.013
6/21/2017 3:13:36 PM	2760.001	6.919	11.544	0.016
6/21/2017 3:14:36 PM	2820.001	6.918	11.549	0.018

Report Date: 7/10/2017 9:19:49 AM
Report User Name: dalmond
Report Computer Name: PINEWRKMA25-PC
Application: WinSitu.exe
Application Version: 5.6.25.0

Log File Properties:
File Name: MW-020 RH3_2017-07-10_09-19-33-630.wsl
Create Date: 7/10/2017 9:19:31 AM

Device Properties:
Device: Level TROLL 700
Site: Camp Hero
Device Name:
Serial Number: 169305
Firmware Version: 2.09
Hardware Version: 3
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 23
Used Battery(%): 41

Log Configuration
Log Name: MW-020 RH3
Created By: Unknown
Computer Name: Pocket PC
Application: WinSituMobile.exe
Application Version: 5.6.0.10
Create Date: 3/3/2006 10:19:19 AM Eastern Standard Time
Log Setup Time Zone: Eastern Standard Time
Notes Size(bytes): 4096
Overwrite when full: Disabled
Scheduled Start Time: Manual Start
Scheduled Stop Time: No Stop Time
Type: Step Test
Steps: 2 (Linear)
Step: 1
Duration: Days: 0 hrs: 00 mins: 05 secs: 00
Interval: Days: 0 hrs: 00 mins: 00 secs: 01
Step: 2
Duration: Days: 0 hrs: 01 mins: 00 secs: 00
Interval: Days: 0 hrs: 00 mins: 01 secs: 00

Level Reference Settings At Log Creation
Level Measurement Mode: Level Depth To Water
Specific Gravity: 0.999
Level Reference Mode: Set new reference
Level Reference Value: 0 (ft)
Level Reference Head Pressure: 6.92731 (PSI)

Other Log Settings
Depth of Probe: 16.0023 (ft)
Head Pressure: 6.9305 (PSI)
Temperature: 11.6713 (C)

Log Notes:

Date and Time	Note
6/21/2017 3:56:29 PM	Used Battery: 41% Used Memory: 25% User Name: Unknown
6/21/2017 3:56:36 PM	Manual Start Command
6/21/2017 4:25:59 PM	Log Download - Used Battery: 41% Used Memory: 25% User Name: Unknown
6/21/2017 4:27:39 PM	Used Battery: 41% Used Memory: 25% User Name: Unknown
6/21/2017 4:27:39 PM	Manual Stop Command

Log Data:
Record Count: 327
Sensors: 1
1 - 169305: Pressure/Temp 30 PSIG (21m/69ft)
Time Zone: Eastern Daylight Time

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 69ft SN#: 169305 Pressure (PSI)	Sensor: Pres(G) 69ft SN#: 169305 Temperature (C)	Sensor: Pres(G) 69ft SN#: 169305 Level Depth To Water (ft)
6/21/2017 3:56:36 PM	0.000	6.937	11.569	-0.023
6/21/2017 3:56:37 PM	1.001	6.933	11.577	-0.014
6/21/2017 3:56:38 PM	2.001	6.931	11.581	-0.008
6/21/2017 3:56:39 PM	3.001	6.932	11.582	-0.011
6/21/2017 3:56:40 PM	4.001	6.934	11.583	-0.014
6/21/2017 3:56:41 PM	5.001	6.932	11.583	-0.012
6/21/2017 3:56:42 PM	6.001	6.933	11.587	-0.014
6/21/2017 3:56:43 PM	7.001	6.934	11.588	-0.015
6/21/2017 3:56:44 PM	8.001	6.933	11.586	-0.013
6/21/2017 3:56:45 PM	9.001	6.933	11.588	-0.012
6/21/2017 3:56:46 PM	10.001	6.932	11.588	-0.011
6/21/2017 3:56:47 PM	11.001	6.933	11.592	-0.013
6/21/2017 3:56:48 PM	12.001	6.933	11.589	-0.014
6/21/2017 3:56:49 PM	13.001	6.933	11.587	-0.013
6/21/2017 3:56:50 PM	14.001	6.935	11.588	-0.018
6/21/2017 3:56:51 PM	15.001	6.934	11.592	-0.015
6/21/2017 3:56:52 PM	16.001	6.932	11.594	-0.012
6/21/2017 3:56:53 PM	17.001	6.933	11.589	-0.013
6/21/2017 3:56:54 PM	18.001	6.933	11.594	-0.014
6/21/2017 3:56:55 PM	19.001	6.932	11.591	-0.011
6/21/2017 3:56:56 PM	20.001	6.932	11.593	-0.011
6/21/2017 3:56:57 PM	21.001	6.934	11.596	-0.017
6/21/2017 3:56:58 PM	22.001	6.934	11.595	-0.014
6/21/2017 3:56:59 PM	23.001	6.931	11.594	-0.008
6/21/2017 3:57:00 PM	24.001	6.933	11.595	-0.014
6/21/2017 3:57:01 PM	25.001	6.934	11.597	-0.015
6/21/2017 3:57:02 PM	26.001	6.932	11.593	-0.010
6/21/2017 3:57:03 PM	27.001	6.866	11.598	0.142
6/21/2017 3:57:04 PM	28.001	7.028	11.596	-0.234
6/21/2017 3:57:05 PM	29.001	6.024	11.596	2.086
6/21/2017 3:57:06 PM	30.001	6.087	11.596	1.940
6/21/2017 3:57:07 PM	31.001	6.102	11.598	1.906
6/21/2017 3:57:08 PM	32.001	6.111	11.600	1.885
6/21/2017 3:57:09 PM	33.001	6.122	11.598	1.859
6/21/2017 3:57:10 PM	34.001	6.131	11.595	1.839
6/21/2017 3:57:11 PM	35.001	6.138	11.598	1.823
6/21/2017 3:57:12 PM	36.001	6.146	11.598	1.803
6/21/2017 3:57:13 PM	37.001	6.152	11.595	1.789
6/21/2017 3:57:14 PM	38.001	6.160	11.600	1.771
6/21/2017 3:57:15 PM	39.001	6.168	11.599	1.754
6/21/2017 3:57:16 PM	40.001	6.174	11.600	1.738
6/21/2017 3:57:17 PM	41.001	6.182	11.600	1.721
6/21/2017 3:57:18 PM	42.001	6.188	11.598	1.708

6/21/2017 3:57:19 PM	43.001	6.194	11.599	1.692
6/21/2017 3:57:20 PM	44.001	6.201	11.600	1.677
6/21/2017 3:57:21 PM	45.001	6.208	11.602	1.662
6/21/2017 3:57:22 PM	46.001	6.214	11.598	1.647
6/21/2017 3:57:23 PM	47.001	6.219	11.602	1.637
6/21/2017 3:57:24 PM	48.001	6.223	11.601	1.625
6/21/2017 3:57:25 PM	49.001	6.230	11.600	1.610
6/21/2017 3:57:26 PM	50.001	6.237	11.603	1.593
6/21/2017 3:57:27 PM	51.001	6.241	11.601	1.584
6/21/2017 3:57:28 PM	52.001	6.246	11.603	1.572
6/21/2017 3:57:29 PM	53.001	6.253	11.604	1.557
6/21/2017 3:57:30 PM	54.001	6.259	11.602	1.543
6/21/2017 3:57:31 PM	55.001	6.273	11.675	1.511
6/21/2017 3:57:32 PM	56.199	6.275	11.622	1.506
6/21/2017 3:57:33 PM	57.001	6.274	11.616	1.509
6/21/2017 3:57:34 PM	58.001	6.279	11.608	1.497
6/21/2017 3:57:35 PM	59.001	6.284	11.605	1.485
6/21/2017 3:57:36 PM	60.001	6.290	11.605	1.472
6/21/2017 3:57:37 PM	61.001	6.294	11.605	1.462
6/21/2017 3:57:38 PM	62.001	6.299	11.606	1.452
6/21/2017 3:57:39 PM	63.001	6.304	11.607	1.440
6/21/2017 3:57:40 PM	64.001	6.309	11.606	1.427
6/21/2017 3:57:41 PM	65.001	6.314	11.602	1.416
6/21/2017 3:57:42 PM	66.001	6.318	11.605	1.406
6/21/2017 3:57:43 PM	67.001	6.322	11.605	1.397
6/21/2017 3:57:44 PM	68.001	6.327	11.606	1.387
6/21/2017 3:57:45 PM	69.001	6.331	11.606	1.376
6/21/2017 3:57:46 PM	70.001	6.336	11.607	1.366
6/21/2017 3:57:47 PM	71.001	6.340	11.605	1.356
6/21/2017 3:57:48 PM	72.001	6.345	11.607	1.344
6/21/2017 3:57:49 PM	73.001	6.350	11.606	1.332
6/21/2017 3:57:50 PM	74.001	6.354	11.608	1.324
6/21/2017 3:57:51 PM	75.001	6.359	11.605	1.312
6/21/2017 3:57:52 PM	76.001	6.364	11.607	1.301
6/21/2017 3:57:53 PM	77.001	6.368	11.609	1.291
6/21/2017 3:57:54 PM	78.001	6.372	11.606	1.282
6/21/2017 3:57:55 PM	79.001	6.376	11.607	1.274
6/21/2017 3:57:56 PM	80.001	6.380	11.607	1.263
6/21/2017 3:57:57 PM	81.001	6.385	11.607	1.253
6/21/2017 3:57:58 PM	82.001	6.388	11.607	1.246
6/21/2017 3:57:59 PM	83.001	6.393	11.606	1.234
6/21/2017 3:58:00 PM	84.001	6.397	11.609	1.225
6/21/2017 3:58:01 PM	85.001	6.399	11.607	1.220
6/21/2017 3:58:02 PM	86.001	6.404	11.610	1.207
6/21/2017 3:58:03 PM	87.001	6.407	11.609	1.201
6/21/2017 3:58:04 PM	88.001	6.411	11.608	1.193
6/21/2017 3:58:05 PM	89.001	6.415	11.607	1.182
6/21/2017 3:58:06 PM	90.001	6.419	11.608	1.174
6/21/2017 3:58:07 PM	91.001	6.423	11.607	1.164
6/21/2017 3:58:08 PM	92.001	6.426	11.608	1.157
6/21/2017 3:58:09 PM	93.001	6.430	11.609	1.148
6/21/2017 3:58:10 PM	94.001	6.433	11.608	1.140
6/21/2017 3:58:11 PM	95.001	6.437	11.608	1.132
6/21/2017 3:58:12 PM	96.001	6.442	11.610	1.120
6/21/2017 3:58:13 PM	97.001	6.446	11.610	1.112
6/21/2017 3:58:14 PM	98.001	6.448	11.608	1.106
6/21/2017 3:58:15 PM	99.001	6.451	11.610	1.100
6/21/2017 3:58:16 PM	100.001	6.454	11.608	1.093
6/21/2017 3:58:17 PM	101.001	6.456	11.608	1.088
6/21/2017 3:58:18 PM	102.001	6.460	11.609	1.079
6/21/2017 3:58:19 PM	103.001	6.464	11.608	1.069
6/21/2017 3:58:20 PM	104.001	6.468	11.608	1.060
6/21/2017 3:58:21 PM	105.001	6.471	11.606	1.053

6/21/2017 3:58:22 PM	106.001	6.475	11.611	1.045
6/21/2017 3:58:23 PM	107.001	6.478	11.607	1.037
6/21/2017 3:58:24 PM	108.001	6.481	11.609	1.029
6/21/2017 3:58:25 PM	109.001	6.484	11.607	1.024
6/21/2017 3:58:26 PM	110.001	6.488	11.610	1.015
6/21/2017 3:58:27 PM	111.001	6.490	11.611	1.009
6/21/2017 3:58:28 PM	112.001	6.494	11.610	1.001
6/21/2017 3:58:29 PM	113.001	6.496	11.608	0.996
6/21/2017 3:58:30 PM	114.001	6.498	11.608	0.992
6/21/2017 3:58:31 PM	115.001	6.503	11.614	0.979
6/21/2017 3:58:32 PM	116.001	6.505	11.610	0.974
6/21/2017 3:58:33 PM	117.001	6.508	11.609	0.969
6/21/2017 3:58:34 PM	118.001	6.511	11.611	0.962
6/21/2017 3:58:35 PM	119.001	6.514	11.609	0.954
6/21/2017 3:58:36 PM	120.001	6.518	11.607	0.946
6/21/2017 3:58:37 PM	121.001	6.520	11.610	0.941
6/21/2017 3:58:38 PM	122.001	6.523	11.608	0.933
6/21/2017 3:58:39 PM	123.001	6.526	11.608	0.926
6/21/2017 3:58:40 PM	124.001	6.528	11.608	0.923
6/21/2017 3:58:41 PM	125.001	6.532	11.608	0.913
6/21/2017 3:58:42 PM	126.001	6.533	11.610	0.911
6/21/2017 3:58:43 PM	127.001	6.537	11.610	0.902
6/21/2017 3:58:44 PM	128.001	6.538	11.610	0.899
6/21/2017 3:58:45 PM	129.001	6.541	11.611	0.891
6/21/2017 3:58:46 PM	130.001	6.541	11.609	0.893
6/21/2017 3:58:47 PM	131.001	6.548	11.611	0.877
6/21/2017 3:58:48 PM	132.001	6.550	11.612	0.872
6/21/2017 3:58:49 PM	133.001	6.553	11.609	0.864
6/21/2017 3:58:50 PM	134.001	6.554	11.612	0.862
6/21/2017 3:58:51 PM	135.001	6.558	11.610	0.853
6/21/2017 3:58:52 PM	136.001	6.559	11.609	0.849
6/21/2017 3:58:53 PM	137.001	6.563	11.614	0.842
6/21/2017 3:58:54 PM	138.001	6.566	11.612	0.835
6/21/2017 3:58:55 PM	139.001	6.566	11.611	0.834
6/21/2017 3:58:56 PM	140.001	6.569	11.610	0.827
6/21/2017 3:58:57 PM	141.001	6.571	11.614	0.823
6/21/2017 3:58:58 PM	142.001	6.574	11.612	0.816
6/21/2017 3:58:59 PM	143.001	6.577	11.608	0.810
6/21/2017 3:59:00 PM	144.001	6.578	11.613	0.807
6/21/2017 3:59:01 PM	145.001	6.581	11.612	0.799
6/21/2017 3:59:02 PM	146.001	6.583	11.611	0.795
6/21/2017 3:59:03 PM	147.001	6.585	11.611	0.790
6/21/2017 3:59:04 PM	148.001	6.588	11.610	0.784
6/21/2017 3:59:05 PM	149.001	6.590	11.612	0.780
6/21/2017 3:59:06 PM	150.001	6.591	11.610	0.775
6/21/2017 3:59:07 PM	151.001	6.595	11.610	0.767
6/21/2017 3:59:08 PM	152.001	6.596	11.611	0.765
6/21/2017 3:59:09 PM	153.001	6.599	11.611	0.759
6/21/2017 3:59:10 PM	154.001	6.601	11.613	0.754
6/21/2017 3:59:11 PM	155.001	6.602	11.612	0.750
6/21/2017 3:59:12 PM	156.001	6.606	11.610	0.743
6/21/2017 3:59:13 PM	157.001	6.607	11.610	0.738
6/21/2017 3:59:14 PM	158.001	6.608	11.613	0.736
6/21/2017 3:59:15 PM	159.001	6.609	11.614	0.734
6/21/2017 3:59:16 PM	160.001	6.612	11.613	0.728
6/21/2017 3:59:17 PM	161.001	6.615	11.611	0.720
6/21/2017 3:59:18 PM	162.001	6.618	11.612	0.715
6/21/2017 3:59:19 PM	163.001	6.619	11.613	0.712
6/21/2017 3:59:20 PM	164.001	6.619	11.611	0.711
6/21/2017 3:59:21 PM	165.001	6.623	11.610	0.702
6/21/2017 3:59:22 PM	166.001	6.626	11.611	0.695
6/21/2017 3:59:23 PM	167.001	6.625	11.613	0.698
6/21/2017 3:59:24 PM	168.001	6.628	11.616	0.691

6/21/2017 3:59:25 PM	169.001	6.632	11.612	0.681
6/21/2017 3:59:26 PM	170.001	6.632	11.614	0.683
6/21/2017 3:59:27 PM	171.001	6.635	11.612	0.676
6/21/2017 3:59:28 PM	172.001	6.636	11.613	0.672
6/21/2017 3:59:29 PM	173.001	6.638	11.612	0.668
6/21/2017 3:59:30 PM	174.001	6.641	11.614	0.662
6/21/2017 3:59:31 PM	175.001	6.642	11.615	0.659
6/21/2017 3:59:32 PM	176.001	6.643	11.612	0.656
6/21/2017 3:59:33 PM	177.001	6.644	11.611	0.654
6/21/2017 3:59:34 PM	178.001	6.646	11.613	0.650
6/21/2017 3:59:35 PM	179.001	6.648	11.614	0.645
6/21/2017 3:59:36 PM	180.001	6.650	11.614	0.640
6/21/2017 3:59:37 PM	181.001	6.653	11.613	0.634
6/21/2017 3:59:38 PM	182.001	6.654	11.613	0.631
6/21/2017 3:59:39 PM	183.001	6.655	11.612	0.629
6/21/2017 3:59:40 PM	184.001	6.656	11.611	0.626
6/21/2017 3:59:41 PM	185.001	6.657	11.612	0.625
6/21/2017 3:59:42 PM	186.001	6.661	11.613	0.616
6/21/2017 3:59:43 PM	187.001	6.661	11.613	0.614
6/21/2017 3:59:44 PM	188.001	6.663	11.613	0.609
6/21/2017 3:59:45 PM	189.001	6.666	11.613	0.603
6/21/2017 3:59:46 PM	190.001	6.666	11.615	0.604
6/21/2017 3:59:47 PM	191.001	6.668	11.614	0.599
6/21/2017 3:59:48 PM	192.001	6.668	11.613	0.599
6/21/2017 3:59:49 PM	193.001	6.670	11.613	0.594
6/21/2017 3:59:50 PM	194.001	6.672	11.622	0.590
6/21/2017 3:59:51 PM	195.001	6.675	11.616	0.582
6/21/2017 3:59:52 PM	196.001	6.677	11.616	0.579
6/21/2017 3:59:53 PM	197.001	6.677	11.613	0.578
6/21/2017 3:59:54 PM	198.001	6.679	11.614	0.573
6/21/2017 3:59:55 PM	199.001	6.680	11.616	0.571
6/21/2017 3:59:56 PM	200.001	6.681	11.615	0.569
6/21/2017 3:59:57 PM	201.001	6.682	11.615	0.566
6/21/2017 3:59:58 PM	202.001	6.686	11.615	0.558
6/21/2017 3:59:59 PM	203.001	6.687	11.613	0.556
6/21/2017 4:00:00 PM	204.001	6.687	11.612	0.554
6/21/2017 4:00:01 PM	205.001	6.689	11.615	0.551
6/21/2017 4:00:02 PM	206.001	6.690	11.615	0.549
6/21/2017 4:00:03 PM	207.001	6.691	11.616	0.545
6/21/2017 4:00:04 PM	208.001	6.693	11.613	0.541
6/21/2017 4:00:05 PM	209.001	6.695	11.613	0.537
6/21/2017 4:00:06 PM	210.001	6.697	11.613	0.533
6/21/2017 4:00:07 PM	211.001	6.698	11.615	0.528
6/21/2017 4:00:08 PM	212.001	6.700	11.611	0.525
6/21/2017 4:00:09 PM	213.001	6.700	11.614	0.524
6/21/2017 4:00:10 PM	214.001	6.702	11.616	0.521
6/21/2017 4:00:11 PM	215.001	6.703	11.613	0.519
6/21/2017 4:00:12 PM	216.001	6.703	11.614	0.519
6/21/2017 4:00:13 PM	217.001	6.703	11.615	0.517
6/21/2017 4:00:14 PM	218.001	6.707	11.612	0.508
6/21/2017 4:00:15 PM	219.001	6.708	11.613	0.505
6/21/2017 4:00:16 PM	220.001	6.710	11.614	0.503
6/21/2017 4:00:17 PM	221.001	6.710	11.614	0.501
6/21/2017 4:00:18 PM	222.001	6.711	11.616	0.500
6/21/2017 4:00:19 PM	223.001	6.714	11.615	0.492
6/21/2017 4:00:20 PM	224.001	6.714	11.616	0.493
6/21/2017 4:00:21 PM	225.001	6.716	11.616	0.489
6/21/2017 4:00:22 PM	226.001	6.716	11.614	0.488
6/21/2017 4:00:23 PM	227.001	6.719	11.614	0.482
6/21/2017 4:00:24 PM	228.001	6.719	11.613	0.481
6/21/2017 4:00:25 PM	229.001	6.721	11.613	0.475
6/21/2017 4:00:26 PM	230.001	6.721	11.614	0.476
6/21/2017 4:00:27 PM	231.001	6.723	11.616	0.472

6/21/2017 4:00:28 PM	232.001	6.724	11.615	0.470
6/21/2017 4:00:29 PM	233.001	6.724	11.614	0.469
6/21/2017 4:00:30 PM	234.001	6.726	11.613	0.464
6/21/2017 4:00:31 PM	235.001	6.727	11.612	0.461
6/21/2017 4:00:32 PM	236.001	6.729	11.616	0.458
6/21/2017 4:00:33 PM	237.001	6.729	11.615	0.457
6/21/2017 4:00:34 PM	238.001	6.731	11.617	0.454
6/21/2017 4:00:35 PM	239.001	6.731	11.615	0.453
6/21/2017 4:00:36 PM	240.001	6.733	11.614	0.449
6/21/2017 4:00:37 PM	241.001	6.734	11.619	0.447
6/21/2017 4:00:38 PM	242.001	6.734	11.613	0.447
6/21/2017 4:00:39 PM	243.001	6.734	11.616	0.447
6/21/2017 4:00:40 PM	244.001	6.737	11.613	0.440
6/21/2017 4:00:41 PM	245.001	6.736	11.617	0.441
6/21/2017 4:00:42 PM	246.001	6.740	11.616	0.434
6/21/2017 4:00:43 PM	247.001	6.740	11.617	0.432
6/21/2017 4:00:44 PM	248.001	6.741	11.618	0.429
6/21/2017 4:00:45 PM	249.001	6.743	11.614	0.427
6/21/2017 4:00:46 PM	250.001	6.741	11.617	0.429
6/21/2017 4:00:47 PM	251.001	6.744	11.614	0.424
6/21/2017 4:00:48 PM	252.001	6.744	11.614	0.422
6/21/2017 4:00:49 PM	253.001	6.746	11.616	0.418
6/21/2017 4:00:50 PM	254.001	6.747	11.615	0.416
6/21/2017 4:00:51 PM	255.001	6.748	11.618	0.415
6/21/2017 4:00:52 PM	256.001	6.747	11.614	0.415
6/21/2017 4:00:53 PM	257.001	6.749	11.616	0.411
6/21/2017 4:00:54 PM	258.001	6.751	11.616	0.406
6/21/2017 4:00:55 PM	259.001	6.752	11.615	0.406
6/21/2017 4:00:56 PM	260.001	6.754	11.614	0.401
6/21/2017 4:00:57 PM	261.001	6.753	11.617	0.402
6/21/2017 4:00:58 PM	262.001	6.754	11.615	0.400
6/21/2017 4:00:59 PM	263.001	6.756	11.616	0.396
6/21/2017 4:01:00 PM	264.001	6.756	11.615	0.395
6/21/2017 4:01:01 PM	265.001	6.758	11.616	0.390
6/21/2017 4:01:02 PM	266.001	6.758	11.615	0.391
6/21/2017 4:01:03 PM	267.001	6.758	11.615	0.390
6/21/2017 4:01:04 PM	268.001	6.761	11.617	0.384
6/21/2017 4:01:05 PM	269.001	6.761	11.616	0.383
6/21/2017 4:01:06 PM	270.001	6.761	11.614	0.384
6/21/2017 4:01:07 PM	271.001	6.762	11.615	0.381
6/21/2017 4:01:08 PM	272.001	6.764	11.614	0.376
6/21/2017 4:01:09 PM	273.001	6.765	11.618	0.375
6/21/2017 4:01:10 PM	274.001	6.767	11.617	0.370
6/21/2017 4:01:11 PM	275.001	6.766	11.617	0.373
6/21/2017 4:01:12 PM	276.001	6.768	11.618	0.368
6/21/2017 4:01:13 PM	277.001	6.768	11.616	0.369
6/21/2017 4:01:14 PM	278.001	6.769	11.616	0.365
6/21/2017 4:01:15 PM	279.001	6.770	11.614	0.363
6/21/2017 4:01:16 PM	280.001	6.769	11.617	0.366
6/21/2017 4:01:17 PM	281.001	6.770	11.612	0.364
6/21/2017 4:01:18 PM	282.001	6.772	11.616	0.359
6/21/2017 4:01:19 PM	283.001	6.773	11.616	0.357
6/21/2017 4:01:20 PM	284.001	6.772	11.615	0.358
6/21/2017 4:01:21 PM	285.001	6.774	11.617	0.354
6/21/2017 4:01:22 PM	286.001	6.775	11.616	0.351
6/21/2017 4:01:23 PM	287.001	6.774	11.613	0.353
6/21/2017 4:01:24 PM	288.001	6.777	11.614	0.347
6/21/2017 4:01:25 PM	289.001	6.779	11.617	0.343
6/21/2017 4:01:26 PM	290.001	6.779	11.617	0.342
6/21/2017 4:01:27 PM	291.001	6.777	11.617	0.347
6/21/2017 4:01:28 PM	292.001	6.780	11.618	0.340
6/21/2017 4:01:29 PM	293.001	6.781	11.617	0.338
6/21/2017 4:01:30 PM	294.001	6.781	11.618	0.338

6/21/2017 4:01:31 PM	295.001	6.782	11.615	0.335
6/21/2017 4:01:32 PM	296.001	6.781	11.617	0.337
6/21/2017 4:01:33 PM	297.001	6.782	11.617	0.336
6/21/2017 4:01:34 PM	298.001	6.784	11.617	0.332
6/21/2017 4:01:35 PM	299.001	6.784	11.616	0.331
6/21/2017 4:01:36 PM	300.001	6.784	11.616	0.332
6/21/2017 4:02:36 PM	360.001	6.820	11.575	0.247
6/21/2017 4:03:36 PM	420.001	6.844	11.568	0.192
6/21/2017 4:04:36 PM	480.001	6.860	11.564	0.154
6/21/2017 4:05:36 PM	540.001	6.871	11.561	0.130
6/21/2017 4:06:36 PM	600.001	6.881	11.556	0.106
6/21/2017 4:07:36 PM	660.001	6.887	11.556	0.093
6/21/2017 4:08:36 PM	720.001	6.894	11.558	0.077
6/21/2017 4:09:36 PM	780.001	6.894	11.558	0.076
6/21/2017 4:10:36 PM	840.001	6.897	11.557	0.070
6/21/2017 4:11:36 PM	900.001	6.900	11.562	0.063
6/21/2017 4:12:36 PM	960.001	6.902	11.568	0.059
6/21/2017 4:13:36 PM	1020.001	6.903	11.569	0.057
6/21/2017 4:14:36 PM	1080.001	6.903	11.568	0.056
6/21/2017 4:15:36 PM	1140.001	6.905	11.569	0.051
6/21/2017 4:16:36 PM	1200.001	6.907	11.568	0.047
6/21/2017 4:17:36 PM	1260.001	6.908	11.571	0.044
6/21/2017 4:18:36 PM	1320.001	6.910	11.570	0.040
6/21/2017 4:19:36 PM	1380.001	6.912	11.568	0.034
6/21/2017 4:20:36 PM	1440.001	6.911	11.571	0.037
6/21/2017 4:21:36 PM	1500.001	6.912	11.569	0.036
6/21/2017 4:22:36 PM	1560.001	6.911	11.570	0.038
6/21/2017 4:23:36 PM	1620.001	6.911	11.568	0.039
6/21/2017 4:24:36 PM	1680.001	6.914	11.570	0.030
6/21/2017 4:25:36 PM	1740.001	6.916	11.571	0.027
6/21/2017 4:26:36 PM	1800.001	6.912	11.567	0.035
6/21/2017 4:27:36 PM	1860.001	6.913	11.564	0.032

Report Date: 7/10/2017 9:19:14 AM
Report User Name: dalmond
Report Computer Name: PINEWRKMA25-PC
Application: WinSitu.exe
Application Version: 5.6.25.0

Log File Properties:
File Name: CH-021 FH1_2017-07-10_09-19-08-258.wsl
Create Date: 7/10/2017 9:19:06 AM

Device Properties:
Device: Level TROLL 700
Site: Camp Hero
Device Name:
Serial Number: 169305
Firmware Version: 2.09
Hardware Version: 3
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 26
Used Battery(%): 41

Log Configuration
Log Name: CH-021 FH1
Created By: Unknown
Computer Name: Pocket PC
Application: WinSituMobile.exe
Application Version: 5.6.0.10
Create Date: 3/4/2006 4:00:24 AM Eastern Standard Time
Log Setup Time Zone: Eastern Standard Time
Notes Size(bytes): 4096
Overwrite when full: Disabled
Scheduled Start Time: Manual Start
Scheduled Stop Time: No Stop Time
Type: Step Test
Steps: 2 (Linear)
Step: 1
Duration: Days: 0 hrs: 00 mins: 05 secs: 00
Interval: Days: 0 hrs: 00 mins: 00 secs: 01
Step: 2
Duration: Days: 0 hrs: 04 mins: 00 secs: 00
Interval: Days: 0 hrs: 00 mins: 01 secs: 00

Level Reference Settings At Log Creation
Level Measurement Mode: Level Depth To Water
Specific Gravity: 0.999
Level Reference Mode: Set new reference
Level Reference Value: 0 (ft)
Level Reference Head Pressure: 2.21004 (PSI)

Other Log Settings
Depth of Probe: 5.10291 (ft)
Head Pressure: 2.21004 (PSI)
Temperature: 11.499 (C)

Log Notes:

Date and Time	Note
6/22/2017 9:37:28 AM	Used Battery: 41% Used Memory: 26% User Name: Unknown
6/22/2017 9:39:05 AM	Manual Start Command
6/22/2017 9:40:46 AM	Log Download - Used Battery: 41% Used Memory: 26% User Name: Unknown
6/22/2017 10:24:09 AM	Log Download - Used Battery: 41% Used Memory: 26% User Name: Unknown
6/22/2017 11:49:39 AM	Log Download - Used Battery: 41% Used Memory: 26% User Name: Unknown
6/22/2017 1:42:58 PM	Log Download - Used Battery: 41% Used Memory: 26% User Name: Unknown
6/22/2017 1:43:15 PM	Log Download - Used Battery: 41% Used Memory: 26% User Name: Unknown

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Log Data:
Record Count: 541
Sensors: 1
1 - 169305: Pressure/Temp 30 PSIG (21m/69ft)
Time Zone: Eastern Daylight Time

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 69ft SN#: 169305 Pressure (PSI)	Sensor: Pres(G) 69ft SN#: 169305 Temperature (C)	Sensor: Pres(G) 69ft SN#: 169305 Level Depth To Water (ft)
6/22/2017 9:39:05 AM	0.000	2.223	11.376	-0.030
6/22/2017 9:39:06 AM	1.000	2.222	11.386	-0.028
6/22/2017 9:39:07 AM	2.000	2.223	11.389	-0.030
6/22/2017 9:39:08 AM	3.000	2.220	11.393	-0.023
6/22/2017 9:39:09 AM	4.000	2.220	11.394	-0.023
6/22/2017 9:39:10 AM	5.000	2.221	11.393	-0.026
6/22/2017 9:39:11 AM	6.000	2.221	11.394	-0.025
6/22/2017 9:39:12 AM	7.000	2.221	11.397	-0.024
6/22/2017 9:39:13 AM	8.001	2.220	11.398	-0.024
6/22/2017 9:39:14 AM	9.001	2.221	11.400	-0.026
6/22/2017 9:39:15 AM	10.001	2.662	11.402	-1.044
6/22/2017 9:39:16 AM	11.001	2.474	11.399	-0.610
6/22/2017 9:39:17 AM	12.000	2.703	11.398	-1.139
6/22/2017 9:39:18 AM	13.000	2.660	11.396	-1.038
6/22/2017 9:39:19 AM	14.000	2.659	11.401	-1.037
6/22/2017 9:39:20 AM	15.000	2.634	11.401	-0.978
6/22/2017 9:39:21 AM	16.000	2.639	11.402	-0.989
6/22/2017 9:39:22 AM	17.001	2.638	11.406	-0.989
6/22/2017 9:39:23 AM	18.001	2.639	11.408	-0.989
6/22/2017 9:39:24 AM	19.001	2.639	11.410	-0.990
6/22/2017 9:39:25 AM	20.001	2.641	11.414	-0.995
6/22/2017 9:39:26 AM	21.001	2.641	11.417	-0.995
6/22/2017 9:39:27 AM	22.001	2.645	11.422	-1.004
6/22/2017 9:39:28 AM	23.001	2.644	11.426	-1.002
6/22/2017 9:39:29 AM	24.000	2.646	11.428	-1.007
6/22/2017 9:39:30 AM	25.000	2.646	11.434	-1.008
6/22/2017 9:39:31 AM	26.000	2.645	11.436	-1.004
6/22/2017 9:39:32 AM	27.000	2.647	11.441	-1.008
6/22/2017 9:39:33 AM	28.000	2.648	11.442	-1.010
6/22/2017 9:39:34 AM	29.000	2.648	11.446	-1.011
6/22/2017 9:39:35 AM	30.001	2.642	11.449	-0.997
6/22/2017 9:39:36 AM	31.001	2.647	11.455	-1.009
6/22/2017 9:39:37 AM	32.001	2.647	11.453	-1.010
6/22/2017 9:39:38 AM	33.001	2.647	11.459	-1.009
6/22/2017 9:39:39 AM	34.001	2.647	11.460	-1.009
6/22/2017 9:39:40 AM	35.002	2.656	11.540	-1.030
6/22/2017 9:39:41 AM	36.241	2.651	11.484	-1.018
6/22/2017 9:39:42 AM	37.001	2.648	11.484	-1.012
6/22/2017 9:39:43 AM	38.001	2.648	11.481	-1.012
6/22/2017 9:39:44 AM	39.001	2.646	11.480	-1.007
6/22/2017 9:39:45 AM	40.001	2.647	11.481	-1.009

6/22/2017 9:39:46 AM	41.001	2.646	11.483	-1.005
6/22/2017 9:39:47 AM	42.001	2.648	11.483	-1.010
6/22/2017 9:39:48 AM	43.001	2.648	11.487	-1.012
6/22/2017 9:39:49 AM	44.001	2.648	11.490	-1.012
6/22/2017 9:39:50 AM	45.001	2.648	11.491	-1.011
6/22/2017 9:39:51 AM	46.001	2.645	11.490	-1.004
6/22/2017 9:39:52 AM	47.000	2.648	11.494	-1.011
6/22/2017 9:39:53 AM	48.198	2.648	11.518	-1.010
6/22/2017 9:39:54 AM	49.000	2.649	11.505	-1.014
6/22/2017 9:39:55 AM	50.000	2.649	11.505	-1.013
6/22/2017 9:39:56 AM	51.000	2.648	11.504	-1.011
6/22/2017 9:39:57 AM	52.000	2.649	11.503	-1.013
6/22/2017 9:39:58 AM	53.000	2.647	11.505	-1.009
6/22/2017 9:39:59 AM	54.001	2.647	11.507	-1.010
6/22/2017 9:40:00 AM	55.001	2.647	11.509	-1.009
6/22/2017 9:40:01 AM	56.001	2.648	11.512	-1.011
6/22/2017 9:40:02 AM	57.000	2.648	11.511	-1.011
6/22/2017 9:40:03 AM	58.238	2.647	11.534	-1.010
6/22/2017 9:40:04 AM	59.000	2.647	11.517	-1.008
6/22/2017 9:40:05 AM	60.000	2.646	11.519	-1.006
6/22/2017 9:40:06 AM	61.000	2.647	11.517	-1.010
6/22/2017 9:40:07 AM	62.000	2.647	11.519	-1.008
6/22/2017 9:40:08 AM	63.000	2.647	11.520	-1.009
6/22/2017 9:40:09 AM	64.000	2.646	11.519	-1.007
6/22/2017 9:40:10 AM	65.001	2.645	11.521	-1.005
6/22/2017 9:40:11 AM	66.001	2.646	11.523	-1.008
6/22/2017 9:40:12 AM	67.000	2.646	11.524	-1.006
6/22/2017 9:40:13 AM	68.197	2.646	11.548	-1.007
6/22/2017 9:40:14 AM	69.000	2.647	11.532	-1.008
6/22/2017 9:40:15 AM	70.000	2.647	11.532	-1.008
6/22/2017 9:40:16 AM	71.000	2.646	11.533	-1.006
6/22/2017 9:40:17 AM	72.000	2.645	11.527	-1.004
6/22/2017 9:40:18 AM	73.000	2.646	11.530	-1.006
6/22/2017 9:40:19 AM	74.000	2.647	11.531	-1.009
6/22/2017 9:40:20 AM	75.000	2.645	11.533	-1.004
6/22/2017 9:40:21 AM	76.000	2.645	11.531	-1.004
6/22/2017 9:40:22 AM	77.000	2.645	11.534	-1.004
6/22/2017 9:40:23 AM	78.198	2.645	11.556	-1.005
6/22/2017 9:40:24 AM	79.000	2.646	11.547	-1.006
6/22/2017 9:40:25 AM	80.000	2.645	11.542	-1.004
6/22/2017 9:40:26 AM	81.000	2.645	11.540	-1.005
6/22/2017 9:40:27 AM	82.000	2.643	11.543	-1.001
6/22/2017 9:40:28 AM	83.000	2.645	11.540	-1.004
6/22/2017 9:40:29 AM	84.001	2.644	11.542	-1.001
6/22/2017 9:40:30 AM	85.000	2.644	11.542	-1.002
6/22/2017 9:40:31 AM	86.000	2.645	11.545	-1.003
6/22/2017 9:40:32 AM	87.155	2.645	11.566	-1.003
6/22/2017 9:40:33 AM	88.000	2.644	11.554	-1.002
6/22/2017 9:40:34 AM	89.000	2.644	11.550	-1.002
6/22/2017 9:40:35 AM	90.000	2.644	11.552	-1.003
6/22/2017 9:40:36 AM	91.000	2.644	11.549	-1.001
6/22/2017 9:40:37 AM	92.000	2.644	11.551	-1.002
6/22/2017 9:40:38 AM	93.000	2.645	11.551	-1.005
6/22/2017 9:40:39 AM	94.000	2.646	11.552	-1.006
6/22/2017 9:40:40 AM	95.000	2.643	11.553	-1.001
6/22/2017 9:40:41 AM	96.000	2.645	11.555	-1.004
6/22/2017 9:40:42 AM	97.011	2.644	11.554	-1.002
6/22/2017 9:40:43 AM	98.000	2.645	11.556	-1.004
6/22/2017 9:40:44 AM	99.000	2.645	11.556	-1.004
6/22/2017 9:40:45 AM	100.000	2.643	11.558	-1.001
6/22/2017 9:40:46 AM	101.000	2.649	11.602	-1.015
6/22/2017 9:40:47 AM	102.000	2.648	11.570	-1.011
6/22/2017 9:40:48 AM	103.000	2.646	11.565	-1.007

6/22/2017 9:40:49 AM	104.000	2.646	11.562	-1.006
6/22/2017 9:40:50 AM	105.000	2.646	11.563	-1.007
6/22/2017 9:40:51 AM	106.000	2.646	11.563	-1.006
6/22/2017 9:40:52 AM	107.000	2.644	11.563	-1.002
6/22/2017 9:40:53 AM	108.000	2.645	11.566	-1.004
6/22/2017 9:40:54 AM	109.000	2.644	11.567	-1.001
6/22/2017 9:40:55 AM	110.000	2.644	11.567	-1.001
6/22/2017 9:40:56 AM	111.000	2.644	11.565	-1.001
6/22/2017 9:40:57 AM	112.000	2.643	11.568	-0.999
6/22/2017 9:40:58 AM	113.000	2.644	11.569	-1.002
6/22/2017 9:40:59 AM	114.000	2.643	11.567	-0.999
6/22/2017 9:41:00 AM	115.001	2.643	11.570	-0.999
6/22/2017 9:41:01 AM	116.001	2.643	11.572	-1.001
6/22/2017 9:41:02 AM	117.001	2.644	11.571	-1.002
6/22/2017 9:41:03 AM	118.001	2.641	11.576	-0.996
6/22/2017 9:41:04 AM	119.001	2.644	11.574	-1.001
6/22/2017 9:41:05 AM	120.001	2.643	11.575	-0.999
6/22/2017 9:41:06 AM	121.001	2.644	11.576	-1.001
6/22/2017 9:41:07 AM	122.001	2.643	11.577	-1.000
6/22/2017 9:41:08 AM	123.001	2.644	11.579	-1.003
6/22/2017 9:41:09 AM	124.001	2.644	11.576	-1.003
6/22/2017 9:41:10 AM	125.001	2.643	11.580	-1.001
6/22/2017 9:41:11 AM	126.001	2.642	11.582	-0.998
6/22/2017 9:41:12 AM	127.001	2.641	11.582	-0.996
6/22/2017 9:41:13 AM	128.001	2.643	11.582	-1.000
6/22/2017 9:41:14 AM	129.001	2.643	11.587	-1.000
6/22/2017 9:41:15 AM	130.001	2.643	11.583	-1.001
6/22/2017 9:41:16 AM	131.001	2.642	11.586	-0.997
6/22/2017 9:41:17 AM	132.001	2.643	11.585	-0.999
6/22/2017 9:41:18 AM	133.000	2.641	11.587	-0.995
6/22/2017 9:41:19 AM	134.000	2.642	11.589	-0.998
6/22/2017 9:41:20 AM	135.000	2.642	11.590	-0.998
6/22/2017 9:41:21 AM	136.000	2.642	11.590	-0.998
6/22/2017 9:41:22 AM	137.000	2.642	11.591	-0.997
6/22/2017 9:41:23 AM	138.000	2.641	11.593	-0.995
6/22/2017 9:41:24 AM	139.001	2.642	11.596	-0.998
6/22/2017 9:41:25 AM	140.001	2.643	11.595	-0.999
6/22/2017 9:41:26 AM	141.001	2.641	11.596	-0.996
6/22/2017 9:41:27 AM	142.001	2.641	11.597	-0.995
6/22/2017 9:41:28 AM	143.001	2.640	11.596	-0.993
6/22/2017 9:41:29 AM	144.001	2.642	11.598	-0.997
6/22/2017 9:41:30 AM	145.001	2.642	11.599	-0.997
6/22/2017 9:41:31 AM	146.000	2.642	11.598	-0.997
6/22/2017 9:41:32 AM	147.000	2.642	11.602	-0.998
6/22/2017 9:41:33 AM	148.000	2.642	11.604	-0.998
6/22/2017 9:41:34 AM	149.000	2.641	11.605	-0.996
6/22/2017 9:41:35 AM	150.000	2.642	11.604	-0.998
6/22/2017 9:41:36 AM	151.000	2.641	11.604	-0.995
6/22/2017 9:41:37 AM	152.001	2.642	11.605	-0.997
6/22/2017 9:41:38 AM	153.001	2.641	11.606	-0.995
6/22/2017 9:41:39 AM	154.001	2.642	11.605	-0.998
6/22/2017 9:41:40 AM	155.001	2.641	11.609	-0.994
6/22/2017 9:41:41 AM	156.001	2.642	11.607	-0.997
6/22/2017 9:41:42 AM	157.001	2.641	11.610	-0.996
6/22/2017 9:41:43 AM	158.001	2.640	11.610	-0.993
6/22/2017 9:41:44 AM	159.000	2.641	11.609	-0.995
6/22/2017 9:41:45 AM	160.000	2.642	11.611	-0.997
6/22/2017 9:41:46 AM	161.000	2.642	11.611	-0.997
6/22/2017 9:41:47 AM	162.000	2.642	11.615	-0.998
6/22/2017 9:41:48 AM	163.000	2.642	11.614	-0.997
6/22/2017 9:41:49 AM	164.000	2.641	11.614	-0.994
6/22/2017 9:41:50 AM	165.001	2.640	11.616	-0.994
6/22/2017 9:41:51 AM	166.001	2.640	11.618	-0.992

6/22/2017 9:41:52 AM	167.001	2.642	11.617	-0.996
6/22/2017 9:41:53 AM	168.001	2.640	11.615	-0.992
6/22/2017 9:41:54 AM	169.001	2.640	11.618	-0.993
6/22/2017 9:41:55 AM	170.001	2.641	11.618	-0.995
6/22/2017 9:41:56 AM	171.001	2.640	11.620	-0.993
6/22/2017 9:41:57 AM	172.000	2.640	11.622	-0.994
6/22/2017 9:41:58 AM	173.000	2.640	11.623	-0.994
6/22/2017 9:41:59 AM	174.000	2.642	11.620	-0.998
6/22/2017 9:42:00 AM	175.000	2.640	11.623	-0.993
6/22/2017 9:42:01 AM	176.000	2.640	11.623	-0.992
6/22/2017 9:42:02 AM	177.000	2.640	11.623	-0.993
6/22/2017 9:42:03 AM	178.001	2.641	11.625	-0.994
6/22/2017 9:42:04 AM	179.001	2.640	11.622	-0.993
6/22/2017 9:42:05 AM	180.001	2.641	11.626	-0.996
6/22/2017 9:42:06 AM	181.001	2.642	11.628	-0.997
6/22/2017 9:42:07 AM	182.001	2.641	11.626	-0.995
6/22/2017 9:42:08 AM	183.001	2.640	11.627	-0.992
6/22/2017 9:42:09 AM	184.001	2.640	11.629	-0.992
6/22/2017 9:42:10 AM	185.000	2.640	11.631	-0.993
6/22/2017 9:42:11 AM	186.000	2.641	11.632	-0.995
6/22/2017 9:42:12 AM	187.000	2.640	11.628	-0.994
6/22/2017 9:42:13 AM	188.000	2.642	11.632	-0.997
6/22/2017 9:42:14 AM	189.000	2.641	11.635	-0.994
6/22/2017 9:42:15 AM	190.000	2.641	11.636	-0.995
6/22/2017 9:42:16 AM	191.001	2.640	11.635	-0.994
6/22/2017 9:42:17 AM	192.001	2.640	11.634	-0.994
6/22/2017 9:42:18 AM	193.001	2.639	11.633	-0.990
6/22/2017 9:42:19 AM	194.001	2.641	11.636	-0.995
6/22/2017 9:42:20 AM	195.001	2.642	11.636	-0.997
6/22/2017 9:42:21 AM	196.001	2.641	11.637	-0.996
6/22/2017 9:42:22 AM	197.001	2.641	11.638	-0.996
6/22/2017 9:42:23 AM	198.001	2.640	11.640	-0.993
6/22/2017 9:42:24 AM	199.001	2.640	11.639	-0.992
6/22/2017 9:42:25 AM	200.001	2.641	11.639	-0.995
6/22/2017 9:42:26 AM	201.001	2.640	11.637	-0.992
6/22/2017 9:42:27 AM	202.001	2.640	11.642	-0.993
6/22/2017 9:42:28 AM	203.001	2.640	11.645	-0.993
6/22/2017 9:42:29 AM	204.001	2.641	11.642	-0.995
6/22/2017 9:42:30 AM	205.001	2.641	11.641	-0.995
6/22/2017 9:42:31 AM	206.001	2.641	11.642	-0.994
6/22/2017 9:42:32 AM	207.001	2.641	11.644	-0.995
6/22/2017 9:42:33 AM	208.001	2.640	11.645	-0.993
6/22/2017 9:42:34 AM	209.001	2.640	11.644	-0.992
6/22/2017 9:42:35 AM	210.000	2.642	11.647	-0.997
6/22/2017 9:42:36 AM	211.000	2.640	11.647	-0.993
6/22/2017 9:42:37 AM	212.000	2.641	11.647	-0.994
6/22/2017 9:42:38 AM	213.000	2.640	11.649	-0.994
6/22/2017 9:42:39 AM	214.000	2.641	11.648	-0.994
6/22/2017 9:42:40 AM	215.000	2.638	11.650	-0.988
6/22/2017 9:42:41 AM	216.001	2.641	11.650	-0.994
6/22/2017 9:42:42 AM	217.001	2.640	11.648	-0.993
6/22/2017 9:42:43 AM	218.001	2.640	11.652	-0.992
6/22/2017 9:42:44 AM	219.001	2.640	11.654	-0.993
6/22/2017 9:42:45 AM	220.001	2.640	11.650	-0.993
6/22/2017 9:42:46 AM	221.001	2.639	11.654	-0.991
6/22/2017 9:42:47 AM	222.001	2.640	11.654	-0.993
6/22/2017 9:42:48 AM	223.000	2.640	11.654	-0.992
6/22/2017 9:42:49 AM	224.000	2.637	11.656	-0.987
6/22/2017 9:42:50 AM	225.000	2.639	11.657	-0.990
6/22/2017 9:42:51 AM	226.000	2.640	11.658	-0.994
6/22/2017 9:42:52 AM	227.000	2.639	11.658	-0.991
6/22/2017 9:42:53 AM	228.001	2.638	11.658	-0.989
6/22/2017 9:42:54 AM	229.001	2.638	11.660	-0.989

6/22/2017 9:42:55 AM	230.001	2.640	11.660	-0.992
6/22/2017 9:42:56 AM	231.001	2.640	11.662	-0.993
6/22/2017 9:42:57 AM	232.001	2.639	11.662	-0.991
6/22/2017 9:42:58 AM	233.001	2.639	11.663	-0.992
6/22/2017 9:42:59 AM	234.001	2.639	11.665	-0.990
6/22/2017 9:43:00 AM	235.000	2.639	11.664	-0.991
6/22/2017 9:43:01 AM	236.000	2.640	11.663	-0.993
6/22/2017 9:43:02 AM	237.000	2.640	11.665	-0.994
6/22/2017 9:43:03 AM	238.000	2.638	11.666	-0.989
6/22/2017 9:43:04 AM	239.000	2.639	11.665	-0.991
6/22/2017 9:43:05 AM	240.000	2.640	11.667	-0.992
6/22/2017 9:43:06 AM	241.001	2.638	11.665	-0.989
6/22/2017 9:43:07 AM	242.001	2.638	11.666	-0.987
6/22/2017 9:43:08 AM	243.001	2.639	11.667	-0.991
6/22/2017 9:43:09 AM	244.001	2.639	11.670	-0.990
6/22/2017 9:43:10 AM	245.001	2.641	11.670	-0.995
6/22/2017 9:43:11 AM	246.001	2.640	11.668	-0.992
6/22/2017 9:43:12 AM	247.001	2.639	11.670	-0.991
6/22/2017 9:43:13 AM	248.000	2.640	11.671	-0.993
6/22/2017 9:43:14 AM	249.000	2.639	11.672	-0.990
6/22/2017 9:43:15 AM	250.000	2.641	11.671	-0.995
6/22/2017 9:43:16 AM	251.000	2.639	11.673	-0.990
6/22/2017 9:43:17 AM	252.000	2.639	11.672	-0.991
6/22/2017 9:43:18 AM	253.000	2.638	11.674	-0.988
6/22/2017 9:43:19 AM	254.001	2.640	11.674	-0.992
6/22/2017 9:43:20 AM	255.001	2.640	11.675	-0.993
6/22/2017 9:43:21 AM	256.001	2.640	11.675	-0.992
6/22/2017 9:43:22 AM	257.000	2.638	11.678	-0.989
6/22/2017 9:43:23 AM	258.030	2.643	11.674	-1.001
6/22/2017 9:43:24 AM	259.000	2.642	11.676	-0.998
6/22/2017 9:43:25 AM	260.000	2.640	11.678	-0.992
6/22/2017 9:43:26 AM	261.000	2.640	11.676	-0.992
6/22/2017 9:43:27 AM	262.000	2.638	11.678	-0.988
6/22/2017 9:43:28 AM	263.000	2.639	11.682	-0.990
6/22/2017 9:43:29 AM	264.000	2.640	11.681	-0.992
6/22/2017 9:43:30 AM	265.001	2.639	11.679	-0.990
6/22/2017 9:43:31 AM	266.001	2.638	11.683	-0.988
6/22/2017 9:43:32 AM	267.000	2.639	11.680	-0.990
6/22/2017 9:43:33 AM	268.439	2.638	11.700	-0.989
6/22/2017 9:43:34 AM	269.000	2.638	11.699	-0.988
6/22/2017 9:43:35 AM	270.000	2.636	11.687	-0.984
6/22/2017 9:43:36 AM	271.000	2.639	11.687	-0.990
6/22/2017 9:43:37 AM	272.000	2.636	11.686	-0.984
6/22/2017 9:43:38 AM	273.000	2.636	11.689	-0.983
6/22/2017 9:43:39 AM	274.000	2.638	11.686	-0.988
6/22/2017 9:43:40 AM	275.000	2.638	11.683	-0.988
6/22/2017 9:43:41 AM	276.000	2.637	11.686	-0.986
6/22/2017 9:43:42 AM	277.398	2.637	11.708	-0.987
6/22/2017 9:43:43 AM	278.000	2.636	11.702	-0.983
6/22/2017 9:43:44 AM	279.000	2.636	11.697	-0.983
6/22/2017 9:43:45 AM	280.000	2.637	11.691	-0.986
6/22/2017 9:43:46 AM	281.000	2.638	11.691	-0.988
6/22/2017 9:43:47 AM	282.000	2.637	11.690	-0.986
6/22/2017 9:43:48 AM	283.001	2.636	11.692	-0.983
6/22/2017 9:43:49 AM	284.001	2.638	11.696	-0.987
6/22/2017 9:43:50 AM	285.000	2.637	11.694	-0.985
6/22/2017 9:43:51 AM	286.000	2.638	11.695	-0.987
6/22/2017 9:43:52 AM	287.397	2.636	11.712	-0.984
6/22/2017 9:43:53 AM	288.000	2.638	11.708	-0.988
6/22/2017 9:43:54 AM	289.000	2.636	11.701	-0.984
6/22/2017 9:43:55 AM	290.000	2.637	11.696	-0.985
6/22/2017 9:43:56 AM	291.000	2.635	11.698	-0.982
6/22/2017 9:43:57 AM	292.000	2.636	11.698	-0.984

6/22/2017 9:43:58 AM	293.001	2.637	11.700	-0.985
6/22/2017 9:43:59 AM	294.001	2.635	11.698	-0.982
6/22/2017 9:44:00 AM	295.001	2.636	11.697	-0.984
6/22/2017 9:44:01 AM	296.001	2.635	11.697	-0.980
6/22/2017 9:44:02 AM	297.001	2.636	11.697	-0.985
6/22/2017 9:44:03 AM	298.001	2.637	11.701	-0.985
6/22/2017 9:44:04 AM	299.001	2.635	11.699	-0.981
6/22/2017 9:44:05 AM	300.001	2.637	11.701	-0.985
6/22/2017 9:45:05 AM	360.001	2.634	11.678	-0.978
6/22/2017 9:46:05 AM	420.001	2.632	11.678	-0.973
6/22/2017 9:47:05 AM	480.001	2.629	11.678	-0.966
6/22/2017 9:48:05 AM	540.001	2.626	11.680	-0.960
6/22/2017 9:49:05 AM	600.001	2.624	11.679	-0.955
6/22/2017 9:50:05 AM	660.001	2.622	11.681	-0.950
6/22/2017 9:51:05 AM	720.001	2.619	11.684	-0.945
6/22/2017 9:52:05 AM	780.001	2.618	11.683	-0.941
6/22/2017 9:53:05 AM	840.001	2.614	11.675	-0.933
6/22/2017 9:54:05 AM	900.001	2.613	11.670	-0.931
6/22/2017 9:55:05 AM	960.001	2.610	11.664	-0.923
6/22/2017 9:56:05 AM	1020.001	2.608	11.657	-0.919
6/22/2017 9:57:05 AM	1080.001	2.606	11.652	-0.914
6/22/2017 9:58:05 AM	1140.001	2.605	11.646	-0.911
6/22/2017 9:59:05 AM	1200.001	2.604	11.639	-0.909
6/22/2017 10:00:05 AM	1260.001	2.600	11.635	-0.901
6/22/2017 10:01:05 AM	1320.001	2.597	11.626	-0.894
6/22/2017 10:02:05 AM	1380.001	2.598	11.622	-0.896
6/22/2017 10:03:05 AM	1440.001	2.595	11.609	-0.889
6/22/2017 10:04:05 AM	1500.001	2.590	11.608	-0.878
6/22/2017 10:05:05 AM	1560.001	2.592	11.603	-0.881
6/22/2017 10:06:05 AM	1620.001	2.590	11.598	-0.878
6/22/2017 10:07:05 AM	1680.001	2.588	11.595	-0.873
6/22/2017 10:08:05 AM	1740.001	2.587	11.590	-0.870
6/22/2017 10:09:05 AM	1800.001	2.585	11.586	-0.866
6/22/2017 10:10:05 AM	1860.001	2.585	11.579	-0.866
6/22/2017 10:11:05 AM	1920.001	2.583	11.576	-0.860
6/22/2017 10:12:05 AM	1980.001	2.581	11.569	-0.856
6/22/2017 10:13:05 AM	2040.001	2.579	11.563	-0.851
6/22/2017 10:14:05 AM	2100.001	2.579	11.555	-0.852
6/22/2017 10:15:05 AM	2160.001	2.577	11.547	-0.848
6/22/2017 10:16:05 AM	2220.001	2.575	11.547	-0.843
6/22/2017 10:17:05 AM	2280.001	2.574	11.537	-0.840
6/22/2017 10:18:05 AM	2340.001	2.573	11.535	-0.838
6/22/2017 10:19:05 AM	2400.001	2.572	11.527	-0.835
6/22/2017 10:20:05 AM	2460.001	2.570	11.522	-0.830
6/22/2017 10:21:05 AM	2520.001	2.566	11.520	-0.821
6/22/2017 10:22:05 AM	2580.001	2.567	11.517	-0.824
6/22/2017 10:23:05 AM	2640.001	2.565	11.512	-0.819
6/22/2017 10:24:05 AM	2700.001	2.565	11.514	-0.819
6/22/2017 10:25:05 AM	2760.001	2.565	11.509	-0.819
6/22/2017 10:26:05 AM	2820.001	2.562	11.503	-0.813
6/22/2017 10:27:05 AM	2880.001	2.560	11.497	-0.808
6/22/2017 10:28:05 AM	2940.001	2.558	11.489	-0.805
6/22/2017 10:29:05 AM	3000.001	2.556	11.488	-0.798
6/22/2017 10:30:05 AM	3060.001	2.555	11.485	-0.797
6/22/2017 10:31:05 AM	3120.001	2.556	11.480	-0.798
6/22/2017 10:32:05 AM	3180.001	2.552	11.475	-0.790
6/22/2017 10:33:05 AM	3240.001	2.550	11.471	-0.784
6/22/2017 10:34:05 AM	3300.001	2.551	11.469	-0.788
6/22/2017 10:35:05 AM	3360.001	2.549	11.466	-0.782
6/22/2017 10:36:05 AM	3420.001	2.547	11.462	-0.779
6/22/2017 10:37:05 AM	3480.001	2.546	11.461	-0.775
6/22/2017 10:38:05 AM	3540.001	2.545	11.454	-0.772
6/22/2017 10:39:05 AM	3600.001	2.543	11.456	-0.769

6/22/2017 10:40:05 AM	3660.001	2.541	11.464	-0.764
6/22/2017 10:41:05 AM	3720.001	2.541	11.465	-0.764
6/22/2017 10:42:05 AM	3780.001	2.538	11.461	-0.757
6/22/2017 10:43:05 AM	3840.001	2.537	11.460	-0.754
6/22/2017 10:44:05 AM	3900.001	2.535	11.461	-0.750
6/22/2017 10:45:05 AM	3960.001	2.536	11.452	-0.752
6/22/2017 10:46:05 AM	4020.001	2.533	11.444	-0.746
6/22/2017 10:47:05 AM	4080.001	2.532	11.441	-0.743
6/22/2017 10:48:05 AM	4140.001	2.532	11.436	-0.743
6/22/2017 10:49:05 AM	4200.001	2.530	11.431	-0.739
6/22/2017 10:50:05 AM	4260.001	2.529	11.431	-0.736
6/22/2017 10:51:05 AM	4320.001	2.527	11.428	-0.732
6/22/2017 10:52:05 AM	4380.001	2.525	11.424	-0.728
6/22/2017 10:53:05 AM	4440.001	2.525	11.422	-0.727
6/22/2017 10:54:05 AM	4500.001	2.522	11.422	-0.721
6/22/2017 10:55:05 AM	4560.001	2.522	11.422	-0.720
6/22/2017 10:56:05 AM	4620.001	2.522	11.419	-0.720
6/22/2017 10:57:05 AM	4680.001	2.517	11.419	-0.709
6/22/2017 10:58:05 AM	4740.001	2.517	11.415	-0.709
6/22/2017 10:59:05 AM	4800.001	2.514	11.412	-0.702
6/22/2017 11:00:05 AM	4860.001	2.515	11.412	-0.703
6/22/2017 11:01:05 AM	4920.001	2.513	11.412	-0.699
6/22/2017 11:02:05 AM	4980.001	2.513	11.407	-0.699
6/22/2017 11:03:05 AM	5040.001	2.509	11.409	-0.691
6/22/2017 11:04:05 AM	5100.001	2.508	11.404	-0.689
6/22/2017 11:05:05 AM	5160.001	2.506	11.404	-0.684
6/22/2017 11:06:05 AM	5220.001	2.505	11.404	-0.682
6/22/2017 11:07:05 AM	5280.001	2.504	11.402	-0.678
6/22/2017 11:08:05 AM	5340.001	2.502	11.402	-0.674
6/22/2017 11:09:05 AM	5400.001	2.500	11.400	-0.669
6/22/2017 11:10:05 AM	5460.001	2.501	11.398	-0.671
6/22/2017 11:11:05 AM	5520.001	2.498	11.398	-0.665
6/22/2017 11:12:05 AM	5580.001	2.497	11.395	-0.663
6/22/2017 11:13:05 AM	5640.001	2.497	11.397	-0.663
6/22/2017 11:14:05 AM	5700.001	2.493	11.395	-0.654
6/22/2017 11:15:05 AM	5760.001	2.494	11.397	-0.656
6/22/2017 11:16:05 AM	5820.001	2.492	11.394	-0.652
6/22/2017 11:17:05 AM	5880.001	2.492	11.397	-0.652
6/22/2017 11:18:05 AM	5940.001	2.491	11.392	-0.648
6/22/2017 11:19:05 AM	6000.001	2.489	11.392	-0.644
6/22/2017 11:20:05 AM	6060.001	2.488	11.392	-0.641
6/22/2017 11:21:05 AM	6120.001	2.487	11.392	-0.640
6/22/2017 11:22:05 AM	6180.001	2.485	11.391	-0.636
6/22/2017 11:23:05 AM	6240.001	2.484	11.390	-0.633
6/22/2017 11:24:05 AM	6300.001	2.483	11.385	-0.630
6/22/2017 11:25:05 AM	6360.001	2.481	11.384	-0.625
6/22/2017 11:26:05 AM	6420.001	2.481	11.386	-0.626
6/22/2017 11:27:05 AM	6480.001	2.480	11.389	-0.623
6/22/2017 11:28:05 AM	6540.001	2.476	11.382	-0.615
6/22/2017 11:29:05 AM	6600.001	2.476	11.384	-0.615
6/22/2017 11:30:05 AM	6660.001	2.474	11.382	-0.609
6/22/2017 11:31:05 AM	6720.001	2.473	11.381	-0.606
6/22/2017 11:32:05 AM	6780.001	2.470	11.380	-0.600
6/22/2017 11:33:05 AM	6840.001	2.469	11.380	-0.597
6/22/2017 11:34:05 AM	6900.001	2.467	11.381	-0.592
6/22/2017 11:35:05 AM	6960.001	2.464	11.381	-0.586
6/22/2017 11:36:05 AM	7020.001	2.462	11.380	-0.581
6/22/2017 11:37:05 AM	7080.001	2.462	11.379	-0.581
6/22/2017 11:38:05 AM	7140.001	2.458	11.379	-0.573
6/22/2017 11:39:05 AM	7200.001	2.458	11.379	-0.572
6/22/2017 11:40:05 AM	7260.001	2.457	11.378	-0.570
6/22/2017 11:41:05 AM	7320.001	2.456	11.376	-0.568
6/22/2017 11:42:05 AM	7380.001	2.452	11.377	-0.560

6/22/2017 11:43:05 AM	7440.001	2.450	11.380	-0.553
6/22/2017 11:44:05 AM	7500.001	2.449	11.375	-0.551
6/22/2017 11:45:05 AM	7560.001	2.449	11.379	-0.552
6/22/2017 11:46:05 AM	7620.001	2.447	11.377	-0.548
6/22/2017 11:47:05 AM	7680.001	2.442	11.376	-0.537
6/22/2017 11:48:05 AM	7740.001	2.442	11.376	-0.536
6/22/2017 11:49:05 AM	7800.001	2.443	11.378	-0.538
6/22/2017 11:50:05 AM	7860.001	2.439	11.378	-0.530
6/22/2017 11:51:05 AM	7920.001	2.438	11.383	-0.526
6/22/2017 11:52:05 AM	7980.001	2.437	11.385	-0.524
6/22/2017 11:53:05 AM	8040.001	2.433	11.390	-0.516
6/22/2017 11:54:05 AM	8100.001	2.432	11.389	-0.513
6/22/2017 11:55:05 AM	8160.001	2.430	11.389	-0.507
6/22/2017 11:56:05 AM	8220.001	2.430	11.387	-0.508
6/22/2017 11:57:05 AM	8280.001	2.427	11.388	-0.501
6/22/2017 11:58:05 AM	8340.001	2.428	11.388	-0.503
6/22/2017 11:59:05 AM	8400.001	2.427	11.386	-0.502
6/22/2017 12:00:05 PM	8460.001	2.425	11.386	-0.497
6/22/2017 12:01:05 PM	8520.001	2.424	11.387	-0.493
6/22/2017 12:02:05 PM	8580.001	2.422	11.386	-0.490
6/22/2017 12:03:05 PM	8640.001	2.422	11.384	-0.488
6/22/2017 12:04:05 PM	8700.001	2.420	11.388	-0.486
6/22/2017 12:05:05 PM	8760.001	2.420	11.385	-0.484
6/22/2017 12:06:05 PM	8820.001	2.418	11.387	-0.480
6/22/2017 12:07:05 PM	8880.001	2.415	11.377	-0.473
6/22/2017 12:08:05 PM	8940.001	2.416	11.373	-0.475
6/22/2017 12:09:05 PM	9000.001	2.414	11.373	-0.472
6/22/2017 12:10:05 PM	9060.001	2.413	11.373	-0.469
6/22/2017 12:11:05 PM	9120.001	2.411	11.370	-0.465
6/22/2017 12:12:05 PM	9180.001	2.411	11.370	-0.463
6/22/2017 12:13:05 PM	9240.001	2.409	11.370	-0.461
6/22/2017 12:14:05 PM	9300.001	2.408	11.368	-0.457
6/22/2017 12:15:05 PM	9360.001	2.407	11.367	-0.454
6/22/2017 12:16:05 PM	9420.001	2.407	11.364	-0.454
6/22/2017 12:17:05 PM	9480.001	2.405	11.365	-0.449
6/22/2017 12:18:05 PM	9540.001	2.403	11.364	-0.445
6/22/2017 12:19:05 PM	9600.001	2.403	11.366	-0.445
6/22/2017 12:20:05 PM	9660.001	2.400	11.362	-0.438
6/22/2017 12:21:05 PM	9720.001	2.398	11.363	-0.434
6/22/2017 12:22:05 PM	9780.001	2.397	11.364	-0.432
6/22/2017 12:23:05 PM	9840.001	2.395	11.361	-0.428
6/22/2017 12:24:05 PM	9900.001	2.394	11.364	-0.424
6/22/2017 12:25:05 PM	9960.001	2.394	11.358	-0.424
6/22/2017 12:26:05 PM	10020.001	2.390	11.360	-0.416
6/22/2017 12:27:05 PM	10080.001	2.388	11.360	-0.410
6/22/2017 12:28:05 PM	10140.001	2.386	11.357	-0.407
6/22/2017 12:29:05 PM	10200.001	2.386	11.360	-0.406
6/22/2017 12:30:05 PM	10260.001	2.382	11.360	-0.398
6/22/2017 12:31:05 PM	10320.001	2.381	11.358	-0.396
6/22/2017 12:32:05 PM	10380.001	2.378	11.358	-0.389
6/22/2017 12:33:05 PM	10440.001	2.375	11.359	-0.382
6/22/2017 12:34:05 PM	10500.001	2.374	11.355	-0.379
6/22/2017 12:35:05 PM	10560.001	2.372	11.356	-0.374
6/22/2017 12:36:05 PM	10620.001	2.368	11.355	-0.365
6/22/2017 12:37:05 PM	10680.001	2.366	11.356	-0.360
6/22/2017 12:38:05 PM	10740.001	2.364	11.359	-0.357
6/22/2017 12:39:05 PM	10800.001	2.363	11.361	-0.353
6/22/2017 12:40:05 PM	10860.001	2.362	11.356	-0.350
6/22/2017 12:41:05 PM	10920.001	2.358	11.354	-0.342
6/22/2017 12:42:05 PM	10980.001	2.356	11.357	-0.337
6/22/2017 12:43:05 PM	11040.001	2.355	11.353	-0.335
6/22/2017 12:44:05 PM	11100.001	2.351	11.355	-0.327
6/22/2017 12:45:05 PM	11160.001	2.349	11.356	-0.320

6/22/2017 12:46:05 PM	11220.001	2.348	11.354	-0.317
6/22/2017 12:47:05 PM	11280.001	2.344	11.354	-0.310
6/22/2017 12:48:05 PM	11340.001	2.324	11.356	-0.263
6/22/2017 12:49:05 PM	11400.001	2.322	11.354	-0.258
6/22/2017 12:50:05 PM	11460.001	2.320	11.355	-0.253
6/22/2017 12:51:05 PM	11520.001	2.317	11.354	-0.247
6/22/2017 12:52:05 PM	11580.001	2.317	11.355	-0.248
6/22/2017 12:53:05 PM	11640.001	2.316	11.354	-0.244
6/22/2017 12:54:05 PM	11700.001	2.315	11.353	-0.242
6/22/2017 12:55:05 PM	11760.001	2.315	11.352	-0.241
6/22/2017 12:56:05 PM	11820.001	2.312	11.351	-0.235
6/22/2017 12:57:05 PM	11880.001	2.313	11.350	-0.237
6/22/2017 12:58:05 PM	11940.001	2.311	11.354	-0.234
6/22/2017 12:59:05 PM	12000.001	2.311	11.352	-0.232
6/22/2017 1:00:05 PM	12060.001	2.309	11.353	-0.229
6/22/2017 1:01:05 PM	12120.001	2.308	11.349	-0.227
6/22/2017 1:02:05 PM	12180.001	2.305	11.351	-0.220
6/22/2017 1:03:05 PM	12240.001	2.305	11.353	-0.220
6/22/2017 1:04:05 PM	12300.001	2.304	11.351	-0.217
6/22/2017 1:05:05 PM	12360.001	2.303	11.344	-0.215
6/22/2017 1:06:05 PM	12420.001	2.304	11.351	-0.216
6/22/2017 1:07:05 PM	12480.001	2.302	11.351	-0.212
6/22/2017 1:08:05 PM	12540.001	2.300	11.351	-0.208
6/22/2017 1:09:05 PM	12600.001	2.302	11.347	-0.212
6/22/2017 1:10:05 PM	12660.001	2.302	11.348	-0.211
6/22/2017 1:11:05 PM	12720.001	2.302	11.349	-0.212
6/22/2017 1:12:05 PM	12780.001	2.300	11.349	-0.207
6/22/2017 1:13:05 PM	12840.001	2.298	11.347	-0.203
6/22/2017 1:14:05 PM	12900.001	2.297	11.346	-0.200
6/22/2017 1:15:05 PM	12960.001	2.296	11.346	-0.197
6/22/2017 1:16:05 PM	13020.001	2.296	11.349	-0.198
6/22/2017 1:17:05 PM	13080.001	2.295	11.348	-0.196
6/22/2017 1:18:05 PM	13140.001	2.294	11.346	-0.194
6/22/2017 1:19:05 PM	13200.001	2.293	11.351	-0.191
6/22/2017 1:20:05 PM	13260.001	2.292	11.347	-0.189
6/22/2017 1:21:05 PM	13320.001	2.291	11.344	-0.187
6/22/2017 1:22:05 PM	13380.001	2.290	11.345	-0.184
6/22/2017 1:23:05 PM	13440.001	2.290	11.347	-0.185
6/22/2017 1:24:05 PM	13500.001	2.289	11.346	-0.182
6/22/2017 1:25:05 PM	13560.001	2.287	11.345	-0.179
6/22/2017 1:26:05 PM	13620.001	2.288	11.347	-0.180
6/22/2017 1:27:05 PM	13680.001	2.286	11.348	-0.175
6/22/2017 1:28:05 PM	13740.001	2.286	11.342	-0.176
6/22/2017 1:29:05 PM	13800.001	2.284	11.345	-0.172
6/22/2017 1:30:05 PM	13860.001	2.284	11.347	-0.171
6/22/2017 1:31:05 PM	13920.001	2.282	11.346	-0.166
6/22/2017 1:32:05 PM	13980.001	2.283	11.346	-0.168
6/22/2017 1:33:05 PM	14040.001	2.282	11.343	-0.166
6/22/2017 1:34:05 PM	14100.001	2.280	11.343	-0.161
6/22/2017 1:35:05 PM	14160.001	2.279	11.345	-0.159
6/22/2017 1:36:05 PM	14220.001	2.279	11.342	-0.159
6/22/2017 1:37:05 PM	14280.001	2.279	11.345	-0.159
6/22/2017 1:38:05 PM	14340.001	2.278	11.342	-0.156
6/22/2017 1:39:05 PM	14400.001	2.278	11.344	-0.156
6/22/2017 1:40:05 PM	14460.001	2.279	11.343	-0.159
6/22/2017 1:41:05 PM	14520.001	2.277	11.345	-0.154
6/22/2017 1:42:05 PM	14580.001	2.276	11.346	-0.152
6/22/2017 1:43:05 PM	14640.001	2.278	11.353	-0.158
6/22/2017 1:44:05 PM	14700.001	2.277	11.356	-0.156

Report Date: 7/10/2017 9:36:18 AM
Report User Name: dalmond
Report Computer Name: PINEWRKMA25-PC
Application: WinSitu.exe
Application Version: 5.6.25.0

Log File Properties:
File Name: CH MW-021 FH2_2017-07-10_09-36-13-978.wsl
Create Date: 7/10/2017 9:26:10 AM

Device Properties:
Device: Level TROLL 700
Site: Camp Hero
Device Name: Level Troll 700
Serial Number: 402202
Firmware Version: 3.02
Hardware Version: 4
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 25
Used Battery(%): 12

Log Configuration
Log Name: CH MW-021 FH2
Created By: Unknown
Computer Name: Pocket PC
Application: WinSituMobile.exe
Application Version: 5.6.0.10
Create Date: 3/8/2006 9:51:15 AM Eastern Standard Time
Log Setup Time Zone: Eastern Standard Time
Notes Size(bytes): 4096
Overwrite when full: Disabled
Scheduled Start Time: Manual Start
Scheduled Stop Time: No Stop Time
Type: Step Test
Steps: 2 (Linear)
Step: 1
Duration: Days: 0 hrs: 00 mins: 05 secs: 00
Interval: Days: 0 hrs: 00 mins: 00 secs: 01
Step: 2
Duration: Days: 0 hrs: 17 mins: 00 secs: 00
Interval: Days: 0 hrs: 00 mins: 01 secs: 00

Level Reference Settings At Log Creation
Level Measurement Mode: Level Depth To Water
Specific Gravity: 0.999
Level Reference Mode: Set new reference
Level Reference Value: 0 (ft)
Level Reference Head Pressure: 3.36328 (PSI)

Other Log Settings
Pressure Offset: 0.00335646 (PSI)
Depth of Probe: 7.75939 (ft)
Head Pressure: 3.36054 (PSI)
Temperature: 11.5213 (C)

Log Notes:

Date and Time	Note
6/26/2017 3:31:39 PM	Used Battery: 12% Used Memory: 26% User Name: Unknown
6/26/2017 3:34:25 PM	Manual Start Command

Log Data:
Record Count: 1321
Sensors: 1
1 - 402202: Pressure/Temp 30 PSIG (21m/69ft)
Time Zone: Eastern Daylight Time

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 69ft SN#: 402202 Pressure (PSI)	Sensor: Pres(G) 69ft SN#: 402202 Temperature (C)	Sensor: Pres(G) 69ft SN#: 402202 Level Depth To Water (ft)
6/26/2017 3:34:26 PM	0.000	3.358	11.522	0.012
6/26/2017 3:34:27 PM	1.072	3.358	11.512	0.013
6/26/2017 3:34:28 PM	2.009	3.359	11.536	0.009
6/26/2017 3:34:29 PM	3.001	3.359	11.540	0.010
6/26/2017 3:34:30 PM	4.001	3.355	11.519	0.019
6/26/2017 3:34:31 PM	5.001	3.358	11.521	0.013
6/26/2017 3:34:32 PM	6.001	3.357	11.487	0.015
6/26/2017 3:34:33 PM	7.001	3.359	11.518	0.010
6/26/2017 3:34:34 PM	8.001	3.601	11.520	-0.549
6/26/2017 3:34:35 PM	9.001	3.547	11.499	-0.425
6/26/2017 3:34:36 PM	10.001	3.496	11.505	-0.306
6/26/2017 3:34:37 PM	11.001	3.562	11.521	-0.459
6/26/2017 3:34:38 PM	12.001	3.556	11.526	-0.446
6/26/2017 3:34:39 PM	13.001	3.554	11.518	-0.440
6/26/2017 3:34:40 PM	14.001	3.552	11.518	-0.437
6/26/2017 3:34:41 PM	15.001	3.546	11.521	-0.422
6/26/2017 3:34:42 PM	16.001	3.547	11.538	-0.425
6/26/2017 3:34:43 PM	17.001	3.544	11.511	-0.418
6/26/2017 3:34:44 PM	18.001	3.543	11.509	-0.416
6/26/2017 3:34:45 PM	19.001	3.544	11.510	-0.418
6/26/2017 3:34:46 PM	20.001	3.543	11.505	-0.414
6/26/2017 3:34:47 PM	21.001	3.543	11.534	-0.415
6/26/2017 3:34:48 PM	22.001	3.540	11.519	-0.407
6/26/2017 3:34:49 PM	23.001	3.540	11.490	-0.408
6/26/2017 3:34:50 PM	24.001	3.538	11.526	-0.404
6/26/2017 3:34:51 PM	25.001	3.535	11.522	-0.398
6/26/2017 3:34:52 PM	26.001	3.536	11.506	-0.399
6/26/2017 3:34:53 PM	27.001	3.539	11.517	-0.405
6/26/2017 3:34:54 PM	28.001	3.536	11.526	-0.399
6/26/2017 3:34:55 PM	29.001	3.538	11.513	-0.403
6/26/2017 3:34:56 PM	30.001	3.536	11.510	-0.400
6/26/2017 3:34:57 PM	31.001	3.538	11.524	-0.404
6/26/2017 3:34:58 PM	32.001	3.539	11.521	-0.405
6/26/2017 3:34:59 PM	33.001	3.535	11.533	-0.396
6/26/2017 3:35:00 PM	34.001	3.538	11.535	-0.405
6/26/2017 3:35:01 PM	35.001	3.537	11.525	-0.401
6/26/2017 3:35:02 PM	36.001	3.537	11.524	-0.401
6/26/2017 3:35:03 PM	37.001	3.533	11.532	-0.392
6/26/2017 3:35:04 PM	38.001	3.535	11.517	-0.397
6/26/2017 3:35:05 PM	39.001	3.535	11.524	-0.397
6/26/2017 3:35:06 PM	40.001	3.536	11.520	-0.399
6/26/2017 3:35:07 PM	41.001	3.537	11.546	-0.402
6/26/2017 3:35:08 PM	42.001	3.533	11.507	-0.392
6/26/2017 3:35:09 PM	43.001	3.534	11.496	-0.394
6/26/2017 3:35:10 PM	44.001	3.534	11.513	-0.395

6/26/2017 3:35:11 PM	45.001	3.534	11.526	-0.395
6/26/2017 3:35:12 PM	46.001	3.537	11.490	-0.401
6/26/2017 3:35:13 PM	47.001	3.533	11.527	-0.392
6/26/2017 3:35:14 PM	48.001	3.534	11.534	-0.394
6/26/2017 3:35:15 PM	49.001	3.534	11.537	-0.395
6/26/2017 3:35:16 PM	50.001	3.534	11.555	-0.395
6/26/2017 3:35:17 PM	51.001	3.534	11.527	-0.394
6/26/2017 3:35:18 PM	52.001	3.535	11.538	-0.397
6/26/2017 3:35:19 PM	53.001	3.535	11.532	-0.397
6/26/2017 3:35:20 PM	54.001	3.534	11.527	-0.395
6/26/2017 3:35:21 PM	55.001	3.534	11.530	-0.395
6/26/2017 3:35:22 PM	56.001	3.537	11.528	-0.400
6/26/2017 3:35:23 PM	57.001	3.532	11.535	-0.390
6/26/2017 3:35:24 PM	58.001	3.535	11.504	-0.398
6/26/2017 3:35:25 PM	59.001	3.533	11.539	-0.392
6/26/2017 3:35:26 PM	60.001	3.533	11.507	-0.392
6/26/2017 3:35:27 PM	61.001	3.532	11.557	-0.390
6/26/2017 3:35:28 PM	62.001	3.536	11.543	-0.398
6/26/2017 3:35:29 PM	63.001	3.533	11.535	-0.393
6/26/2017 3:35:30 PM	64.001	3.532	11.534	-0.390
6/26/2017 3:35:31 PM	65.001	3.532	11.515	-0.388
6/26/2017 3:35:32 PM	66.001	3.533	11.557	-0.393
6/26/2017 3:35:33 PM	67.001	3.535	11.513	-0.396
6/26/2017 3:35:34 PM	68.001	3.535	11.518	-0.396
6/26/2017 3:35:35 PM	69.001	3.535	11.518	-0.396
6/26/2017 3:35:36 PM	70.001	3.535	11.535	-0.397
6/26/2017 3:35:37 PM	71.001	3.532	11.522	-0.389
6/26/2017 3:35:38 PM	72.001	3.534	11.529	-0.393
6/26/2017 3:35:39 PM	73.001	3.534	11.524	-0.393
6/26/2017 3:35:40 PM	74.001	3.532	11.551	-0.390
6/26/2017 3:35:41 PM	75.001	3.533	11.524	-0.392
6/26/2017 3:35:42 PM	76.001	3.529	11.526	-0.384
6/26/2017 3:35:43 PM	77.001	3.533	11.506	-0.391
6/26/2017 3:35:44 PM	78.001	3.533	11.540	-0.391
6/26/2017 3:35:45 PM	79.001	3.532	11.515	-0.390
6/26/2017 3:35:46 PM	80.001	3.533	11.511	-0.392
6/26/2017 3:35:47 PM	81.001	3.533	11.527	-0.391
6/26/2017 3:35:48 PM	82.001	3.534	11.510	-0.395
6/26/2017 3:35:49 PM	83.001	3.535	11.507	-0.396
6/26/2017 3:35:50 PM	84.001	3.535	11.536	-0.396
6/26/2017 3:35:51 PM	85.001	3.540	11.507	-0.408
6/26/2017 3:35:52 PM	86.001	3.533	11.531	-0.392
6/26/2017 3:35:53 PM	87.001	3.533	11.540	-0.393
6/26/2017 3:35:54 PM	88.001	3.531	11.526	-0.388
6/26/2017 3:35:55 PM	89.001	3.533	11.533	-0.392
6/26/2017 3:35:56 PM	90.001	3.531	11.521	-0.387
6/26/2017 3:35:57 PM	91.001	3.533	11.524	-0.392
6/26/2017 3:35:58 PM	92.001	3.533	11.504	-0.392
6/26/2017 3:35:59 PM	93.001	3.535	11.523	-0.397
6/26/2017 3:36:00 PM	94.001	3.533	11.527	-0.391
6/26/2017 3:36:01 PM	95.001	3.532	11.524	-0.390
6/26/2017 3:36:02 PM	96.001	3.533	11.552	-0.391
6/26/2017 3:36:03 PM	97.001	3.534	11.513	-0.395
6/26/2017 3:36:04 PM	98.001	3.536	11.550	-0.399
6/26/2017 3:36:05 PM	99.001	3.532	11.549	-0.390
6/26/2017 3:36:06 PM	100.001	3.532	11.525	-0.390
6/26/2017 3:36:07 PM	101.001	3.535	11.502	-0.398
6/26/2017 3:36:08 PM	102.001	3.533	11.542	-0.392
6/26/2017 3:36:09 PM	103.001	3.532	11.532	-0.390
6/26/2017 3:36:10 PM	104.001	3.531	11.537	-0.387
6/26/2017 3:36:11 PM	105.001	3.532	11.515	-0.390
6/26/2017 3:36:12 PM	106.001	3.529	11.527	-0.382
6/26/2017 3:36:13 PM	107.001	3.529	11.543	-0.383

6/26/2017 3:36:14 PM	108.001	3.530	11.551	-0.386
6/26/2017 3:36:15 PM	109.001	3.544	11.525	-0.418
6/26/2017 3:36:16 PM	110.001	3.539	11.494	-0.406
6/26/2017 3:36:17 PM	111.001	3.553	11.543	-0.438
6/26/2017 3:36:18 PM	112.001	3.546	11.521	-0.423
6/26/2017 3:36:19 PM	113.001	3.544	11.530	-0.416
6/26/2017 3:36:20 PM	114.001	3.553	11.528	-0.437
6/26/2017 3:36:21 PM	115.001	3.548	11.554	-0.427
6/26/2017 3:36:22 PM	116.001	3.549	11.556	-0.429
6/26/2017 3:36:23 PM	117.001	3.551	11.515	-0.434
6/26/2017 3:36:24 PM	118.001	3.548	11.553	-0.427
6/26/2017 3:36:25 PM	119.001	3.548	11.559	-0.426
6/26/2017 3:36:26 PM	120.001	3.545	11.559	-0.419
6/26/2017 3:36:27 PM	121.001	3.535	11.512	-0.397
6/26/2017 3:36:28 PM	122.001	3.535	11.551	-0.398
6/26/2017 3:36:29 PM	123.001	3.535	11.515	-0.396
6/26/2017 3:36:30 PM	124.001	3.530	11.523	-0.385
6/26/2017 3:36:31 PM	125.001	3.532	11.523	-0.391
6/26/2017 3:36:32 PM	126.001	3.533	11.546	-0.391
6/26/2017 3:36:33 PM	127.001	3.533	11.549	-0.393
6/26/2017 3:36:34 PM	128.001	3.530	11.521	-0.385
6/26/2017 3:36:35 PM	129.001	3.532	11.531	-0.391
6/26/2017 3:36:36 PM	130.001	3.533	11.529	-0.392
6/26/2017 3:36:37 PM	131.001	3.533	11.528	-0.391
6/26/2017 3:36:38 PM	132.001	3.532	11.518	-0.389
6/26/2017 3:36:39 PM	133.001	3.536	11.510	-0.398
6/26/2017 3:36:40 PM	134.001	3.534	11.514	-0.394
6/26/2017 3:36:41 PM	135.001	3.534	11.558	-0.394
6/26/2017 3:36:42 PM	136.001	3.532	11.514	-0.389
6/26/2017 3:36:43 PM	137.001	3.531	11.526	-0.386
6/26/2017 3:36:44 PM	138.001	3.531	11.546	-0.388
6/26/2017 3:36:45 PM	139.001	3.532	11.535	-0.389
6/26/2017 3:36:46 PM	140.001	3.533	11.515	-0.392
6/26/2017 3:36:47 PM	141.001	3.530	11.525	-0.385
6/26/2017 3:36:48 PM	142.001	3.532	11.540	-0.389
6/26/2017 3:36:49 PM	143.001	3.533	11.518	-0.393
6/26/2017 3:36:50 PM	144.001	3.534	11.541	-0.394
6/26/2017 3:36:51 PM	145.001	3.530	11.540	-0.384
6/26/2017 3:36:52 PM	146.001	3.532	11.545	-0.390
6/26/2017 3:36:53 PM	147.001	3.531	11.545	-0.387
6/26/2017 3:36:54 PM	148.001	3.529	11.526	-0.383
6/26/2017 3:36:55 PM	149.001	3.530	11.518	-0.384
6/26/2017 3:36:56 PM	150.001	3.532	11.533	-0.390
6/26/2017 3:36:57 PM	151.001	3.528	11.524	-0.381
6/26/2017 3:36:58 PM	152.001	3.531	11.508	-0.387
6/26/2017 3:36:59 PM	153.001	3.532	11.541	-0.388
6/26/2017 3:37:00 PM	154.001	3.531	11.533	-0.386
6/26/2017 3:37:01 PM	155.001	3.531	11.537	-0.386
6/26/2017 3:37:02 PM	156.001	3.532	11.523	-0.389
6/26/2017 3:37:03 PM	157.001	3.533	11.541	-0.392
6/26/2017 3:37:04 PM	158.001	3.530	11.531	-0.386
6/26/2017 3:37:05 PM	159.001	3.533	11.518	-0.391
6/26/2017 3:37:06 PM	160.001	3.531	11.515	-0.386
6/26/2017 3:37:07 PM	161.001	3.533	11.524	-0.391
6/26/2017 3:37:08 PM	162.001	3.530	11.520	-0.384
6/26/2017 3:37:09 PM	163.001	3.530	11.524	-0.385
6/26/2017 3:37:10 PM	164.001	3.530	11.518	-0.385
6/26/2017 3:37:11 PM	165.001	3.530	11.515	-0.386
6/26/2017 3:37:12 PM	166.001	3.532	11.525	-0.388
6/26/2017 3:37:13 PM	167.001	3.529	11.543	-0.384
6/26/2017 3:37:14 PM	168.001	3.528	11.554	-0.381
6/26/2017 3:37:15 PM	169.001	3.528	11.540	-0.379
6/26/2017 3:37:16 PM	170.001	3.531	11.524	-0.387

6/26/2017 3:37:17 PM	171.001	3.529	11.558	-0.384
6/26/2017 3:37:18 PM	172.001	3.527	11.518	-0.377
6/26/2017 3:37:19 PM	173.001	3.530	11.537	-0.385
6/26/2017 3:37:20 PM	174.001	3.530	11.530	-0.384
6/26/2017 3:37:21 PM	175.001	3.532	11.547	-0.389
6/26/2017 3:37:22 PM	176.001	3.529	11.542	-0.384
6/26/2017 3:37:23 PM	177.001	3.530	11.526	-0.386
6/26/2017 3:37:24 PM	178.001	3.527	11.542	-0.378
6/26/2017 3:37:25 PM	179.001	3.530	11.521	-0.384
6/26/2017 3:37:26 PM	180.001	3.527	11.548	-0.379
6/26/2017 3:37:27 PM	181.001	3.526	11.535	-0.377
6/26/2017 3:37:28 PM	182.001	3.529	11.515	-0.382
6/26/2017 3:37:29 PM	183.001	3.530	11.546	-0.386
6/26/2017 3:37:30 PM	184.001	3.527	11.546	-0.377
6/26/2017 3:37:31 PM	185.001	3.528	11.516	-0.380
6/26/2017 3:37:32 PM	186.001	3.526	11.507	-0.376
6/26/2017 3:37:33 PM	187.001	3.528	11.542	-0.381
6/26/2017 3:37:34 PM	188.001	3.528	11.533	-0.379
6/26/2017 3:37:35 PM	189.001	3.529	11.544	-0.383
6/26/2017 3:37:36 PM	190.001	3.526	11.522	-0.375
6/26/2017 3:37:37 PM	191.001	3.527	11.550	-0.379
6/26/2017 3:37:38 PM	192.001	3.529	11.537	-0.382
6/26/2017 3:37:39 PM	193.001	3.523	11.525	-0.370
6/26/2017 3:37:40 PM	194.001	3.526	11.519	-0.375
6/26/2017 3:37:41 PM	195.001	3.524	11.551	-0.372
6/26/2017 3:37:42 PM	196.001	3.525	11.520	-0.373
6/26/2017 3:37:43 PM	197.001	3.528	11.562	-0.381
6/26/2017 3:37:44 PM	198.001	3.525	11.514	-0.374
6/26/2017 3:37:45 PM	199.001	3.525	11.537	-0.375
6/26/2017 3:37:46 PM	200.001	3.526	11.562	-0.377
6/26/2017 3:37:47 PM	201.001	3.527	11.557	-0.377
6/26/2017 3:37:48 PM	202.001	3.528	11.531	-0.380
6/26/2017 3:37:49 PM	203.001	3.527	11.528	-0.379
6/26/2017 3:37:50 PM	204.001	3.528	11.526	-0.379
6/26/2017 3:37:51 PM	205.001	3.527	11.551	-0.377
6/26/2017 3:37:52 PM	206.001	3.529	11.543	-0.382
6/26/2017 3:37:53 PM	207.001	3.528	11.515	-0.379
6/26/2017 3:37:54 PM	208.001	3.527	11.526	-0.377
6/26/2017 3:37:55 PM	209.001	3.525	11.508	-0.374
6/26/2017 3:37:56 PM	210.001	3.525	11.533	-0.373
6/26/2017 3:37:57 PM	211.001	3.526	11.536	-0.377
6/26/2017 3:37:58 PM	212.001	3.526	11.515	-0.376
6/26/2017 3:37:59 PM	213.001	3.526	11.533	-0.375
6/26/2017 3:38:00 PM	214.001	3.528	11.506	-0.381
6/26/2017 3:38:01 PM	215.001	3.526	11.525	-0.375
6/26/2017 3:38:02 PM	216.001	3.528	11.533	-0.380
6/26/2017 3:38:03 PM	217.001	3.524	11.529	-0.371
6/26/2017 3:38:04 PM	218.001	3.525	11.498	-0.373
6/26/2017 3:38:05 PM	219.001	3.527	11.526	-0.378
6/26/2017 3:38:06 PM	220.001	3.524	11.548	-0.370
6/26/2017 3:38:07 PM	221.001	3.528	11.518	-0.380
6/26/2017 3:38:08 PM	222.001	3.529	11.513	-0.383
6/26/2017 3:38:09 PM	223.001	3.524	11.532	-0.372
6/26/2017 3:38:10 PM	224.001	3.526	11.550	-0.376
6/26/2017 3:38:11 PM	225.001	3.527	11.556	-0.379
6/26/2017 3:38:12 PM	226.001	3.527	11.546	-0.377
6/26/2017 3:38:13 PM	227.001	3.529	11.504	-0.382
6/26/2017 3:38:14 PM	228.001	3.523	11.526	-0.370
6/26/2017 3:38:15 PM	229.001	3.524	11.555	-0.371
6/26/2017 3:38:16 PM	230.001	3.522	11.538	-0.367
6/26/2017 3:38:17 PM	231.001	3.524	11.570	-0.371
6/26/2017 3:38:18 PM	232.001	3.525	11.557	-0.374
6/26/2017 3:38:19 PM	233.001	3.527	11.536	-0.378

6/26/2017 3:38:20 PM	234.001	3.526	11.537	-0.376
6/26/2017 3:38:21 PM	235.001	3.528	11.518	-0.380
6/26/2017 3:38:22 PM	236.001	3.525	11.529	-0.374
6/26/2017 3:38:23 PM	237.001	3.525	11.551	-0.373
6/26/2017 3:38:24 PM	238.001	3.525	11.573	-0.374
6/26/2017 3:38:25 PM	239.001	3.522	11.543	-0.367
6/26/2017 3:38:26 PM	240.001	3.524	11.510	-0.372
6/26/2017 3:38:27 PM	241.001	3.525	11.545	-0.374
6/26/2017 3:38:28 PM	242.001	3.526	11.532	-0.376
6/26/2017 3:38:29 PM	243.001	3.527	11.529	-0.378
6/26/2017 3:38:30 PM	244.001	3.527	11.524	-0.378
6/26/2017 3:38:31 PM	245.001	3.525	11.536	-0.374
6/26/2017 3:38:32 PM	246.001	3.529	11.526	-0.383
6/26/2017 3:38:33 PM	247.001	3.528	11.560	-0.380
6/26/2017 3:38:34 PM	248.001	3.526	11.544	-0.376
6/26/2017 3:38:35 PM	249.001	3.530	11.540	-0.386
6/26/2017 3:38:36 PM	250.001	3.527	11.540	-0.378
6/26/2017 3:38:37 PM	251.001	3.528	11.537	-0.380
6/26/2017 3:38:38 PM	252.001	3.527	11.505	-0.377
6/26/2017 3:38:39 PM	253.001	3.527	11.551	-0.378
6/26/2017 3:38:40 PM	254.001	3.527	11.532	-0.378
6/26/2017 3:38:42 PM	256.001	3.526	11.550	-0.375
6/26/2017 3:38:42 PM	256.123	3.526	11.564	-0.376
6/26/2017 3:38:43 PM	257.001	3.526	11.546	-0.377
6/26/2017 3:38:44 PM	258.001	3.526	11.534	-0.376
6/26/2017 3:38:45 PM	259.001	3.528	11.529	-0.379
6/26/2017 3:38:46 PM	260.001	3.527	11.558	-0.379
6/26/2017 3:38:47 PM	261.001	3.527	11.534	-0.378
6/26/2017 3:38:48 PM	262.001	3.525	11.539	-0.374
6/26/2017 3:38:49 PM	263.001	3.525	11.559	-0.373
6/26/2017 3:38:50 PM	264.001	3.526	11.565	-0.375
6/26/2017 3:38:51 PM	265.001	3.527	11.520	-0.377
6/26/2017 3:38:52 PM	266.001	3.526	11.560	-0.375
6/26/2017 3:38:53 PM	267.001	3.525	11.532	-0.375
6/26/2017 3:38:54 PM	268.001	3.523	11.518	-0.370
6/26/2017 3:38:55 PM	269.001	3.522	11.526	-0.366
6/26/2017 3:38:56 PM	270.001	3.524	11.543	-0.372
6/26/2017 3:38:57 PM	271.001	3.527	11.534	-0.378
6/26/2017 3:38:58 PM	272.001	3.521	11.545	-0.364
6/26/2017 3:38:59 PM	273.001	3.523	11.520	-0.368
6/26/2017 3:39:00 PM	274.001	3.522	11.571	-0.367
6/26/2017 3:39:01 PM	275.001	3.525	11.535	-0.374
6/26/2017 3:39:02 PM	276.001	3.520	11.531	-0.361
6/26/2017 3:39:03 PM	277.001	3.523	11.560	-0.368
6/26/2017 3:39:04 PM	278.001	3.521	11.537	-0.365
6/26/2017 3:39:05 PM	279.001	3.523	11.566	-0.369
6/26/2017 3:39:06 PM	280.001	3.524	11.537	-0.370
6/26/2017 3:39:07 PM	281.001	3.523	11.546	-0.370
6/26/2017 3:39:08 PM	282.001	3.525	11.551	-0.373
6/26/2017 3:39:09 PM	283.001	3.522	11.543	-0.367
6/26/2017 3:39:10 PM	284.001	3.524	11.539	-0.370
6/26/2017 3:39:11 PM	285.001	3.522	11.522	-0.366
6/26/2017 3:39:12 PM	286.001	3.524	11.545	-0.370
6/26/2017 3:39:13 PM	287.001	3.524	11.541	-0.372
6/26/2017 3:39:14 PM	288.001	3.521	11.542	-0.364
6/26/2017 3:39:15 PM	289.001	3.523	11.518	-0.369
6/26/2017 3:39:16 PM	290.001	3.523	11.537	-0.370
6/26/2017 3:39:17 PM	291.001	3.521	11.524	-0.364
6/26/2017 3:39:18 PM	292.001	3.521	11.568	-0.363
6/26/2017 3:39:19 PM	293.001	3.522	11.579	-0.366
6/26/2017 3:39:20 PM	294.001	3.522	11.532	-0.367
6/26/2017 3:39:21 PM	295.001	3.521	11.550	-0.364
6/26/2017 3:39:22 PM	296.001	3.522	11.535	-0.365

6/26/2017 3:39:23 PM	297.001	3.521	11.519	-0.364
6/26/2017 3:39:24 PM	298.001	3.519	11.526	-0.360
6/26/2017 3:39:25 PM	299.001	3.520	11.550	-0.362
6/26/2017 3:39:26 PM	300.001	3.521	11.557	-0.365
6/26/2017 3:40:26 PM	360.001	3.520	11.548	-0.363
6/26/2017 3:41:26 PM	420.001	3.525	11.520	-0.374
6/26/2017 3:42:26 PM	480.001	3.520	11.526	-0.362
6/26/2017 3:43:26 PM	540.001	3.518	11.504	-0.358
6/26/2017 3:44:26 PM	600.001	3.515	11.496	-0.349
6/26/2017 3:45:26 PM	660.001	3.509	11.514	-0.337
6/26/2017 3:46:26 PM	720.001	3.511	11.502	-0.341
6/26/2017 3:47:26 PM	780.001	3.506	11.490	-0.330
6/26/2017 3:48:26 PM	840.001	3.505	11.494	-0.327
6/26/2017 3:49:26 PM	900.001	3.502	11.518	-0.321
6/26/2017 3:50:26 PM	960.001	3.504	11.503	-0.324
6/26/2017 3:51:26 PM	1020.001	3.498	11.502	-0.311
6/26/2017 3:52:26 PM	1080.001	3.500	11.511	-0.316
6/26/2017 3:53:26 PM	1140.001	3.495	11.490	-0.304
6/26/2017 3:54:26 PM	1200.001	3.491	11.472	-0.296
6/26/2017 3:55:26 PM	1260.001	3.490	11.514	-0.292
6/26/2017 3:56:26 PM	1320.001	3.487	11.500	-0.286
6/26/2017 3:57:26 PM	1380.001	3.485	11.501	-0.280
6/26/2017 3:58:26 PM	1440.001	3.480	11.513	-0.269
6/26/2017 3:59:26 PM	1500.001	3.478	11.490	-0.264
6/26/2017 4:00:26 PM	1560.001	3.474	11.493	-0.255
6/26/2017 4:01:26 PM	1620.001	3.475	11.465	-0.258
6/26/2017 4:02:26 PM	1680.196	3.472	11.508	-0.251
6/26/2017 4:03:26 PM	1740.001	3.469	11.510	-0.245
6/26/2017 4:04:26 PM	1800.001	3.465	11.489	-0.235
6/26/2017 4:05:26 PM	1860.001	3.466	11.527	-0.237
6/26/2017 4:06:26 PM	1920.230	3.463	11.538	-0.229
6/26/2017 4:07:26 PM	1980.001	3.462	11.510	-0.228
6/26/2017 4:08:26 PM	2040.001	3.460	11.494	-0.222
6/26/2017 4:09:26 PM	2100.001	3.460	11.498	-0.222
6/26/2017 4:10:26 PM	2160.001	3.461	11.515	-0.226
6/26/2017 4:11:26 PM	2220.001	3.454	11.516	-0.210
6/26/2017 4:12:26 PM	2280.001	3.454	11.515	-0.210
6/26/2017 4:13:26 PM	2340.001	3.453	11.489	-0.207
6/26/2017 4:14:26 PM	2400.001	3.447	11.501	-0.193
6/26/2017 4:15:26 PM	2460.001	3.445	11.508	-0.188
6/26/2017 4:16:26 PM	2520.001	3.445	11.471	-0.189
6/26/2017 4:17:26 PM	2580.001	3.445	11.485	-0.189
6/26/2017 4:18:26 PM	2640.001	3.443	11.482	-0.183
6/26/2017 4:19:26 PM	2700.001	3.445	11.508	-0.189
6/26/2017 4:20:26 PM	2760.001	3.441	11.463	-0.179
6/26/2017 4:21:26 PM	2820.001	3.441	11.503	-0.180
6/26/2017 4:22:26 PM	2880.001	3.439	11.522	-0.175
6/26/2017 4:23:26 PM	2940.001	3.438	11.507	-0.173
6/26/2017 4:24:26 PM	3000.001	3.436	11.498	-0.169
6/26/2017 4:25:26 PM	3060.001	3.436	11.492	-0.168
6/26/2017 4:26:26 PM	3120.001	3.438	11.474	-0.172
6/26/2017 4:27:26 PM	3180.001	3.433	11.477	-0.161
6/26/2017 4:28:26 PM	3240.001	3.430	11.491	-0.155
6/26/2017 4:29:26 PM	3300.001	3.430	11.483	-0.155
6/26/2017 4:30:26 PM	3360.001	3.432	11.463	-0.159
6/26/2017 4:31:26 PM	3420.001	3.428	11.472	-0.148
6/26/2017 4:32:26 PM	3480.001	3.430	11.512	-0.155
6/26/2017 4:33:26 PM	3540.001	3.430	11.490	-0.155
6/26/2017 4:34:26 PM	3600.001	3.424	11.509	-0.139
6/26/2017 4:35:26 PM	3660.001	3.418	11.491	-0.127
6/26/2017 4:36:26 PM	3720.001	3.416	11.486	-0.122
6/26/2017 4:37:26 PM	3780.001	3.412	11.502	-0.112
6/26/2017 4:38:26 PM	3840.001	3.411	11.487	-0.111

6/26/2017 4:39:26 PM	3900.001	3.408	11.475	-0.104
6/26/2017 4:40:26 PM	3960.001	3.408	11.462	-0.104
6/26/2017 4:41:26 PM	4020.001	3.406	11.493	-0.098
6/26/2017 4:42:26 PM	4080.001	3.407	11.476	-0.102
6/26/2017 4:43:26 PM	4140.001	3.404	11.513	-0.093
6/26/2017 4:44:26 PM	4200.001	3.402	11.475	-0.090
6/26/2017 4:45:26 PM	4260.001	3.399	11.500	-0.083
6/26/2017 4:46:26 PM	4320.001	3.398	11.511	-0.080
6/26/2017 4:47:26 PM	4380.001	3.397	11.522	-0.077
6/26/2017 4:48:26 PM	4440.001	3.396	11.486	-0.075
6/26/2017 4:49:26 PM	4500.001	3.397	11.472	-0.079
6/26/2017 4:50:26 PM	4560.001	3.397	11.473	-0.079
6/26/2017 4:51:26 PM	4620.001	3.395	11.489	-0.072
6/26/2017 4:52:26 PM	4680.001	3.394	11.534	-0.070
6/26/2017 4:53:26 PM	4740.001	3.391	11.494	-0.063
6/26/2017 4:54:26 PM	4800.001	3.393	11.479	-0.069
6/26/2017 4:55:26 PM	4860.001	3.396	11.499	-0.075
6/26/2017 4:56:26 PM	4920.001	3.391	11.492	-0.064
6/26/2017 4:57:26 PM	4980.001	3.391	11.496	-0.064
6/26/2017 4:58:26 PM	5040.001	3.391	11.493	-0.064
6/26/2017 4:59:26 PM	5100.001	3.388	11.467	-0.056
6/26/2017 5:00:26 PM	5160.001	3.386	11.522	-0.052
6/26/2017 5:01:26 PM	5220.001	3.389	11.491	-0.060
6/26/2017 5:02:26 PM	5280.001	3.389	11.507	-0.060
6/26/2017 5:03:26 PM	5340.001	3.387	11.492	-0.054
6/26/2017 5:04:26 PM	5400.001	3.389	11.509	-0.059
6/26/2017 5:05:26 PM	5460.001	3.385	11.488	-0.050
6/26/2017 5:06:26 PM	5520.001	3.382	11.498	-0.043
6/26/2017 5:07:26 PM	5580.001	3.384	11.515	-0.048
6/26/2017 5:08:26 PM	5640.001	3.384	11.472	-0.048
6/26/2017 5:09:26 PM	5700.001	3.383	11.478	-0.045
6/26/2017 5:10:26 PM	5760.001	3.381	11.499	-0.042
6/26/2017 5:11:26 PM	5820.001	3.381	11.485	-0.042
6/26/2017 5:12:26 PM	5880.001	3.381	11.490	-0.040
6/26/2017 5:13:26 PM	5940.001	3.378	11.491	-0.034
6/26/2017 5:14:26 PM	6000.001	3.382	11.498	-0.044
6/26/2017 5:15:26 PM	6060.001	3.378	11.508	-0.035
6/26/2017 5:16:26 PM	6120.001	3.379	11.540	-0.037
6/26/2017 5:17:26 PM	6180.001	3.377	11.488	-0.032
6/26/2017 5:18:26 PM	6240.001	3.380	11.493	-0.039
6/26/2017 5:19:26 PM	6300.001	3.376	11.499	-0.029
6/26/2017 5:20:26 PM	6360.001	3.376	11.458	-0.029
6/26/2017 5:21:26 PM	6420.001	3.376	11.476	-0.029
6/26/2017 5:22:26 PM	6480.001	3.381	11.501	-0.042
6/26/2017 5:23:26 PM	6540.001	3.376	11.482	-0.030
6/26/2017 5:24:26 PM	6600.001	3.374	11.479	-0.024
6/26/2017 5:25:26 PM	6660.001	3.375	11.476	-0.028
6/26/2017 5:26:26 PM	6720.001	3.375	11.495	-0.027
6/26/2017 5:27:26 PM	6780.001	3.374	11.517	-0.024
6/26/2017 5:28:26 PM	6840.001	3.374	11.468	-0.026
6/26/2017 5:29:26 PM	6900.001	3.376	11.501	-0.030
6/26/2017 5:30:26 PM	6960.001	3.375	11.512	-0.026
6/26/2017 5:31:26 PM	7020.001	3.374	11.513	-0.026
6/26/2017 5:32:26 PM	7080.001	3.372	11.513	-0.021
6/26/2017 5:33:26 PM	7140.001	3.371	11.513	-0.018
6/26/2017 5:34:26 PM	7200.001	3.370	11.507	-0.016
6/26/2017 5:35:26 PM	7260.001	3.370	11.458	-0.016
6/26/2017 5:36:26 PM	7320.001	3.370	11.501	-0.016
6/26/2017 5:37:26 PM	7380.001	3.372	11.485	-0.019
6/26/2017 5:38:26 PM	7440.001	3.368	11.511	-0.011
6/26/2017 5:39:26 PM	7500.001	3.367	11.515	-0.009
6/26/2017 5:40:26 PM	7560.001	3.369	11.507	-0.014
6/26/2017 5:41:26 PM	7620.001	3.367	11.503	-0.009

6/26/2017 5:42:26 PM	7680.001	3.366	11.466	-0.005
6/26/2017 5:43:26 PM	7740.001	3.364	11.462	-0.002
6/26/2017 5:44:26 PM	7800.001	3.367	11.492	-0.009
6/26/2017 5:45:26 PM	7860.001	3.364	11.510	-0.001
6/26/2017 5:46:26 PM	7920.001	3.366	11.529	-0.005
6/26/2017 5:47:26 PM	7980.001	3.364	11.502	-0.002
6/26/2017 5:48:26 PM	8040.001	3.366	11.517	-0.006
6/26/2017 5:49:26 PM	8100.001	3.362	11.503	0.004
6/26/2017 5:50:26 PM	8160.001	3.363	11.524	0.001
6/26/2017 5:51:26 PM	8220.001	3.363	11.488	0.001
6/26/2017 5:52:26 PM	8280.001	3.362	11.509	0.002
6/26/2017 5:53:26 PM	8340.001	3.364	11.497	-0.002
6/26/2017 5:54:26 PM	8400.001	3.363	11.488	0.001
6/26/2017 5:55:26 PM	8460.001	3.361	11.490	0.005
6/26/2017 5:56:26 PM	8520.001	3.361	11.497	0.006
6/26/2017 5:57:26 PM	8580.001	3.363	11.493	0.002
6/26/2017 5:58:26 PM	8640.001	3.361	11.517	0.006
6/26/2017 5:59:26 PM	8700.001	3.360	11.493	0.008
6/26/2017 6:00:26 PM	8760.001	3.361	11.500	0.005
6/26/2017 6:01:26 PM	8820.001	3.358	11.465	0.013
6/26/2017 6:02:26 PM	8880.001	3.360	11.499	0.007
6/26/2017 6:03:26 PM	8940.001	3.358	11.502	0.012
6/26/2017 6:04:26 PM	9000.001	3.360	11.460	0.007
6/26/2017 6:05:26 PM	9060.001	3.357	11.517	0.015
6/26/2017 6:06:26 PM	9120.001	3.358	11.477	0.013
6/26/2017 6:07:26 PM	9180.001	3.360	11.527	0.009
6/26/2017 6:08:26 PM	9240.001	3.359	11.488	0.010
6/26/2017 6:09:26 PM	9300.001	3.361	11.500	0.006
6/26/2017 6:10:26 PM	9360.001	3.359	11.496	0.009
6/26/2017 6:11:26 PM	9420.001	3.358	11.504	0.013
6/26/2017 6:12:26 PM	9480.001	3.355	11.489	0.019
6/26/2017 6:13:26 PM	9540.001	3.356	11.471	0.016
6/26/2017 6:14:26 PM	9600.001	3.360	11.503	0.008
6/26/2017 6:15:26 PM	9660.001	3.357	11.513	0.015
6/26/2017 6:16:26 PM	9720.001	3.360	11.515	0.007
6/26/2017 6:17:26 PM	9780.001	3.356	11.501	0.018
6/26/2017 6:18:26 PM	9840.001	3.353	11.489	0.024
6/26/2017 6:19:26 PM	9900.001	3.355	11.484	0.020
6/26/2017 6:20:26 PM	9960.001	3.355	11.473	0.019
6/26/2017 6:21:26 PM	10020.001	3.355	11.490	0.019
6/26/2017 6:22:26 PM	10080.001	3.353	11.496	0.023
6/26/2017 6:23:26 PM	10140.001	3.354	11.480	0.022
6/26/2017 6:24:26 PM	10200.001	3.353	11.512	0.023
6/26/2017 6:25:26 PM	10260.001	3.354	11.483	0.021
6/26/2017 6:26:26 PM	10320.001	3.357	11.458	0.015
6/26/2017 6:27:26 PM	10380.001	3.354	11.481	0.021
6/26/2017 6:28:26 PM	10440.001	3.354	11.495	0.021
6/26/2017 6:29:26 PM	10500.001	3.354	11.521	0.022
6/26/2017 6:30:26 PM	10560.001	3.354	11.499	0.021
6/26/2017 6:31:26 PM	10620.001	3.354	11.482	0.022
6/26/2017 6:32:26 PM	10680.001	3.352	11.513	0.027
6/26/2017 6:33:26 PM	10740.001	3.355	11.521	0.019
6/26/2017 6:34:26 PM	10800.001	3.353	11.510	0.024
6/26/2017 6:35:26 PM	10860.001	3.353	11.496	0.024
6/26/2017 6:36:26 PM	10920.001	3.354	11.480	0.021
6/26/2017 6:37:26 PM	10980.001	3.354	11.491	0.021
6/26/2017 6:38:26 PM	11040.001	3.353	11.492	0.024
6/26/2017 6:39:26 PM	11100.001	3.355	11.501	0.019
6/26/2017 6:40:26 PM	11160.001	3.351	11.510	0.029
6/26/2017 6:41:26 PM	11220.001	3.352	11.501	0.026
6/26/2017 6:42:26 PM	11280.001	3.354	11.513	0.022
6/26/2017 6:43:26 PM	11340.001	3.350	11.513	0.031
6/26/2017 6:44:26 PM	11400.001	3.354	11.479	0.022

6/26/2017 6:45:26 PM	11460.001	3.348	11.483	0.036
6/26/2017 6:46:26 PM	11520.001	3.352	11.518	0.026
6/26/2017 6:47:26 PM	11580.001	3.351	11.516	0.028
6/26/2017 6:48:26 PM	11640.001	3.351	11.497	0.029
6/26/2017 6:49:26 PM	11700.001	3.352	11.488	0.025
6/26/2017 6:50:26 PM	11760.001	3.350	11.481	0.030
6/26/2017 6:51:26 PM	11820.001	3.352	11.474	0.026
6/26/2017 6:52:26 PM	11880.001	3.348	11.531	0.034
6/26/2017 6:53:26 PM	11940.001	3.349	11.505	0.033
6/26/2017 6:54:26 PM	12000.001	3.346	11.476	0.040
6/26/2017 6:55:26 PM	12060.001	3.349	11.495	0.032
6/26/2017 6:56:26 PM	12120.001	3.346	11.492	0.040
6/26/2017 6:57:26 PM	12180.001	3.349	11.493	0.033
6/26/2017 6:58:26 PM	12240.001	3.345	11.481	0.042
6/26/2017 6:59:26 PM	12300.001	3.347	11.532	0.037
6/26/2017 7:00:26 PM	12360.001	3.346	11.509	0.039
6/26/2017 7:01:26 PM	12420.001	3.346	11.482	0.040
6/26/2017 7:02:26 PM	12480.001	3.345	11.510	0.042
6/26/2017 7:03:26 PM	12540.001	3.346	11.491	0.041
6/26/2017 7:04:26 PM	12600.001	3.344	11.495	0.045
6/26/2017 7:05:26 PM	12660.001	3.347	11.496	0.037
6/26/2017 7:06:26 PM	12720.001	3.347	11.498	0.038
6/26/2017 7:07:26 PM	12780.001	3.343	11.493	0.046
6/26/2017 7:08:26 PM	12840.001	3.346	11.506	0.041
6/26/2017 7:09:26 PM	12900.001	3.346	11.481	0.040
6/26/2017 7:10:26 PM	12960.001	3.344	11.514	0.046
6/26/2017 7:11:26 PM	13020.001	3.344	11.474	0.044
6/26/2017 7:12:26 PM	13080.001	3.346	11.476	0.040
6/26/2017 7:13:26 PM	13140.001	3.344	11.497	0.044
6/26/2017 7:14:26 PM	13200.001	3.347	11.465	0.039
6/26/2017 7:15:26 PM	13260.001	3.344	11.491	0.045
6/26/2017 7:16:26 PM	13320.001	3.345	11.513	0.042
6/26/2017 7:17:26 PM	13380.001	3.343	11.485	0.046
6/26/2017 7:18:26 PM	13440.001	3.343	11.473	0.047
6/26/2017 7:19:26 PM	13500.001	3.345	11.484	0.042
6/26/2017 7:20:26 PM	13560.001	3.339	11.496	0.056
6/26/2017 7:21:26 PM	13620.001	3.344	11.511	0.044
6/26/2017 7:22:26 PM	13680.001	3.341	11.521	0.052
6/26/2017 7:23:26 PM	13740.001	3.340	11.493	0.054
6/26/2017 7:24:26 PM	13800.001	3.342	11.488	0.050
6/26/2017 7:25:26 PM	13860.001	3.343	11.494	0.046
6/26/2017 7:26:26 PM	13920.001	3.344	11.485	0.045
6/26/2017 7:27:26 PM	13980.001	3.341	11.509	0.051
6/26/2017 7:28:26 PM	14040.001	3.344	11.493	0.044
6/26/2017 7:29:26 PM	14100.001	3.347	11.516	0.038
6/26/2017 7:30:26 PM	14160.001	3.341	11.524	0.052
6/26/2017 7:31:26 PM	14220.001	3.339	11.472	0.056
6/26/2017 7:32:26 PM	14280.001	3.344	11.492	0.044
6/26/2017 7:33:26 PM	14340.001	3.343	11.490	0.046
6/26/2017 7:34:26 PM	14400.001	3.343	11.488	0.048
6/26/2017 7:35:26 PM	14460.001	3.341	11.452	0.051
6/26/2017 7:36:26 PM	14520.001	3.343	11.512	0.048
6/26/2017 7:37:26 PM	14580.001	3.342	11.463	0.048
6/26/2017 7:38:26 PM	14640.001	3.340	11.528	0.053
6/26/2017 7:39:26 PM	14700.001	3.341	11.505	0.052
6/26/2017 7:40:26 PM	14760.001	3.340	11.527	0.054
6/26/2017 7:41:26 PM	14820.001	3.340	11.480	0.053
6/26/2017 7:42:26 PM	14880.001	3.339	11.502	0.057
6/26/2017 7:43:26 PM	14940.001	3.339	11.457	0.056
6/26/2017 7:44:26 PM	15000.001	3.339	11.513	0.056
6/26/2017 7:45:26 PM	15060.001	3.338	11.510	0.058
6/26/2017 7:46:26 PM	15120.001	3.339	11.488	0.055
6/26/2017 7:47:26 PM	15180.001	3.340	11.468	0.055

6/26/2017 7:48:26 PM	15240.001	3.338	11.531	0.057
6/26/2017 7:49:26 PM	15300.001	3.338	11.527	0.059
6/26/2017 7:50:26 PM	15360.001	3.339	11.474	0.056
6/26/2017 7:51:26 PM	15420.001	3.337	11.507	0.060
6/26/2017 7:52:26 PM	15480.001	3.340	11.518	0.054
6/26/2017 7:53:26 PM	15540.001	3.339	11.477	0.055
6/26/2017 7:54:26 PM	15600.001	3.339	11.496	0.056
6/26/2017 7:55:26 PM	15660.001	3.339	11.478	0.056
6/26/2017 7:56:26 PM	15720.001	3.338	11.512	0.059
6/26/2017 7:57:26 PM	15780.001	3.338	11.510	0.058
6/26/2017 7:58:26 PM	15840.001	3.337	11.474	0.060
6/26/2017 7:59:26 PM	15900.001	3.335	11.501	0.066
6/26/2017 8:00:26 PM	15960.001	3.336	11.518	0.062
6/26/2017 8:01:26 PM	16020.001	3.338	11.507	0.059
6/26/2017 8:02:26 PM	16080.001	3.335	11.499	0.066
6/26/2017 8:03:26 PM	16140.001	3.335	11.476	0.065
6/26/2017 8:04:26 PM	16200.001	3.335	11.481	0.065
6/26/2017 8:05:26 PM	16260.001	3.335	11.516	0.065
6/26/2017 8:06:26 PM	16320.001	3.338	11.515	0.058
6/26/2017 8:07:26 PM	16380.001	3.338	11.518	0.059
6/26/2017 8:08:26 PM	16440.001	3.335	11.482	0.066
6/26/2017 8:09:26 PM	16500.001	3.335	11.491	0.064
6/26/2017 8:10:26 PM	16560.001	3.334	11.493	0.067
6/26/2017 8:11:26 PM	16620.001	3.334	11.504	0.067
6/26/2017 8:12:26 PM	16680.001	3.337	11.507	0.061
6/26/2017 8:13:26 PM	16740.001	3.335	11.493	0.065
6/26/2017 8:14:26 PM	16800.001	3.333	11.483	0.070
6/26/2017 8:15:26 PM	16860.001	3.335	11.488	0.066
6/26/2017 8:16:26 PM	16920.001	3.335	11.515	0.065
6/26/2017 8:17:26 PM	16980.001	3.334	11.532	0.068
6/26/2017 8:18:26 PM	17040.001	3.332	11.511	0.072
6/26/2017 8:19:26 PM	17100.001	3.333	11.504	0.070
6/26/2017 8:20:26 PM	17160.001	3.330	11.508	0.076
6/26/2017 8:21:26 PM	17220.001	3.335	11.515	0.064
6/26/2017 8:22:26 PM	17280.001	3.333	11.489	0.069
6/26/2017 8:23:26 PM	17340.001	3.334	11.515	0.068
6/26/2017 8:24:26 PM	17400.001	3.332	11.535	0.071
6/26/2017 8:25:26 PM	17460.001	3.333	11.490	0.070
6/26/2017 8:26:26 PM	17520.001	3.334	11.513	0.068
6/26/2017 8:27:26 PM	17580.001	3.332	11.499	0.072
6/26/2017 8:28:26 PM	17640.001	3.329	11.515	0.080
6/26/2017 8:29:26 PM	17700.001	3.332	11.496	0.072
6/26/2017 8:30:26 PM	17760.001	3.333	11.520	0.070
6/26/2017 8:31:26 PM	17820.001	3.332	11.515	0.072
6/26/2017 8:32:26 PM	17880.001	3.334	11.496	0.068
6/26/2017 8:33:26 PM	17940.001	3.331	11.513	0.074
6/26/2017 8:34:26 PM	18000.001	3.332	11.526	0.072
6/26/2017 8:35:26 PM	18060.001	3.332	11.523	0.073
6/26/2017 8:36:26 PM	18120.001	3.331	11.484	0.074
6/26/2017 8:37:26 PM	18180.001	3.331	11.496	0.075
6/26/2017 8:38:26 PM	18240.001	3.330	11.493	0.078
6/26/2017 8:39:26 PM	18300.001	3.332	11.513	0.073
6/26/2017 8:40:26 PM	18360.001	3.332	11.515	0.071
6/26/2017 8:41:26 PM	18420.001	3.330	11.502	0.076
6/26/2017 8:42:26 PM	18480.001	3.331	11.533	0.075
6/26/2017 8:43:26 PM	18540.001	3.329	11.493	0.078
6/26/2017 8:44:26 PM	18600.001	3.332	11.498	0.071
6/26/2017 8:45:26 PM	18660.001	3.331	11.504	0.074
6/26/2017 8:46:26 PM	18720.001	3.332	11.504	0.073
6/26/2017 8:47:26 PM	18780.001	3.330	11.490	0.076
6/26/2017 8:48:26 PM	18840.001	3.330	11.504	0.078
6/26/2017 8:49:26 PM	18900.001	3.328	11.485	0.080
6/26/2017 8:50:26 PM	18960.001	3.330	11.499	0.077

6/26/2017 8:51:26 PM	19020.001	3.331	11.496	0.074
6/26/2017 8:52:26 PM	19080.001	3.331	11.500	0.074
6/26/2017 8:53:26 PM	19140.001	3.329	11.496	0.079
6/26/2017 8:54:26 PM	19200.001	3.328	11.507	0.082
6/26/2017 8:55:26 PM	19260.001	3.331	11.485	0.075
6/26/2017 8:56:26 PM	19320.001	3.330	11.500	0.077
6/26/2017 8:57:26 PM	19380.001	3.329	11.480	0.079
6/26/2017 8:58:26 PM	19440.001	3.328	11.482	0.081
6/26/2017 8:59:26 PM	19500.001	3.331	11.501	0.074
6/26/2017 9:00:26 PM	19560.001	3.329	11.499	0.079
6/26/2017 9:01:26 PM	19620.001	3.330	11.474	0.078
6/26/2017 9:02:26 PM	19680.001	3.329	11.501	0.079
6/26/2017 9:03:26 PM	19740.001	3.330	11.478	0.076
6/26/2017 9:04:26 PM	19800.001	3.327	11.496	0.083
6/26/2017 9:05:26 PM	19860.001	3.327	11.491	0.085
6/26/2017 9:06:26 PM	19920.001	3.328	11.507	0.081
6/26/2017 9:07:26 PM	19980.001	3.325	11.512	0.088
6/26/2017 9:08:26 PM	20040.001	3.327	11.534	0.085
6/26/2017 9:09:26 PM	20100.001	3.326	11.526	0.086
6/26/2017 9:10:26 PM	20160.001	3.329	11.483	0.080
6/26/2017 9:11:26 PM	20220.001	3.327	11.508	0.083
6/26/2017 9:12:26 PM	20280.001	3.328	11.492	0.082
6/26/2017 9:13:26 PM	20340.001	3.325	11.488	0.088
6/26/2017 9:14:26 PM	20400.001	3.326	11.499	0.086
6/26/2017 9:15:26 PM	20460.001	3.327	11.526	0.084
6/26/2017 9:16:26 PM	20520.001	3.325	11.513	0.088
6/26/2017 9:17:26 PM	20580.001	3.323	11.485	0.092
6/26/2017 9:18:26 PM	20640.001	3.327	11.480	0.084
6/26/2017 9:19:26 PM	20700.001	3.325	11.504	0.089
6/26/2017 9:20:26 PM	20760.001	3.326	11.489	0.086
6/26/2017 9:21:26 PM	20820.001	3.326	11.515	0.087
6/26/2017 9:22:26 PM	20880.001	3.326	11.503	0.087
6/26/2017 9:23:26 PM	20940.001	3.325	11.513	0.089
6/26/2017 9:24:26 PM	21000.001	3.325	11.531	0.089
6/26/2017 9:25:26 PM	21060.001	3.328	11.520	0.082
6/26/2017 9:26:26 PM	21120.001	3.327	11.467	0.085
6/26/2017 9:27:26 PM	21180.001	3.326	11.506	0.085
6/26/2017 9:28:26 PM	21240.001	3.327	11.465	0.085
6/26/2017 9:29:26 PM	21300.001	3.325	11.531	0.089
6/26/2017 9:30:26 PM	21360.001	3.324	11.509	0.090
6/26/2017 9:31:26 PM	21420.001	3.327	11.483	0.084
6/26/2017 9:32:26 PM	21480.001	3.326	11.496	0.086
6/26/2017 9:33:26 PM	21540.001	3.327	11.503	0.084
6/26/2017 9:34:26 PM	21600.001	3.326	11.498	0.086
6/26/2017 9:35:26 PM	21660.001	3.327	11.488	0.083
6/26/2017 9:36:26 PM	21720.001	3.324	11.516	0.091
6/26/2017 9:37:26 PM	21780.001	3.327	11.515	0.084
6/26/2017 9:38:26 PM	21840.001	3.325	11.486	0.089
6/26/2017 9:39:26 PM	21900.001	3.328	11.503	0.082
6/26/2017 9:40:26 PM	21960.001	3.326	11.507	0.085
6/26/2017 9:41:26 PM	22020.001	3.326	11.471	0.085
6/26/2017 9:42:26 PM	22080.001	3.326	11.506	0.086
6/26/2017 9:43:26 PM	22140.001	3.327	11.499	0.083
6/26/2017 9:44:26 PM	22200.001	3.324	11.460	0.091
6/26/2017 9:45:26 PM	22260.001	3.327	11.498	0.084
6/26/2017 9:46:26 PM	22320.001	3.323	11.520	0.092
6/26/2017 9:47:26 PM	22380.001	3.325	11.465	0.087
6/26/2017 9:48:26 PM	22440.001	3.325	11.525	0.088
6/26/2017 9:49:26 PM	22500.001	3.325	11.490	0.089
6/26/2017 9:50:26 PM	22560.001	3.326	11.517	0.087
6/26/2017 9:51:26 PM	22620.001	3.325	11.486	0.088
6/26/2017 9:52:26 PM	22680.001	3.325	11.524	0.088
6/26/2017 9:53:26 PM	22740.001	3.325	11.499	0.089

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6/26/2017 9:55:26 PM	22860.001	3.324	11.511	0.090
6/26/2017 9:56:26 PM	22920.001	3.324	11.490	0.091
6/26/2017 9:57:26 PM	22980.001	3.326	11.499	0.086
6/26/2017 9:58:26 PM	23040.001	3.324	11.485	0.091
6/26/2017 9:59:26 PM	23100.001	3.326	11.526	0.086
6/26/2017 10:00:26 PM	23160.001	3.321	11.539	0.097
6/26/2017 10:01:26 PM	23220.001	3.323	11.482	0.093
6/26/2017 10:02:26 PM	23280.001	3.323	11.481	0.093
6/26/2017 10:03:26 PM	23340.001	3.322	11.517	0.094
6/26/2017 10:04:26 PM	23400.001	3.324	11.520	0.090
6/26/2017 10:05:26 PM	23460.001	3.326	11.495	0.086
6/26/2017 10:06:26 PM	23520.001	3.323	11.479	0.093
6/26/2017 10:07:26 PM	23580.001	3.325	11.485	0.089
6/26/2017 10:08:26 PM	23640.001	3.323	11.503	0.094
6/26/2017 10:09:26 PM	23700.001	3.322	11.527	0.095
6/26/2017 10:10:26 PM	23760.001	3.323	11.504	0.092
6/26/2017 10:11:26 PM	23820.001	3.324	11.504	0.091
6/26/2017 10:12:26 PM	23880.001	3.323	11.507	0.094
6/26/2017 10:13:26 PM	23940.001	3.321	11.487	0.098
6/26/2017 10:14:26 PM	24000.001	3.322	11.499	0.096
6/26/2017 10:15:26 PM	24060.001	3.322	11.530	0.096
6/26/2017 10:16:26 PM	24120.001	3.321	11.501	0.098
6/26/2017 10:17:26 PM	24180.001	3.320	11.491	0.099
6/26/2017 10:18:26 PM	24240.001	3.321	11.501	0.097
6/26/2017 10:19:26 PM	24300.001	3.321	11.496	0.097
6/26/2017 10:20:26 PM	24360.001	3.324	11.485	0.091
6/26/2017 10:21:26 PM	24420.001	3.323	11.479	0.092
6/26/2017 10:22:26 PM	24480.001	3.322	11.501	0.095
6/26/2017 10:23:26 PM	24540.001	3.324	11.490	0.091
6/26/2017 10:24:26 PM	24600.001	3.322	11.510	0.095
6/26/2017 10:25:26 PM	24660.001	3.323	11.496	0.092
6/26/2017 10:26:26 PM	24720.001	3.321	11.499	0.097
6/26/2017 10:27:26 PM	24780.001	3.321	11.487	0.098
6/26/2017 10:28:26 PM	24840.001	3.323	11.470	0.094
6/26/2017 10:29:26 PM	24900.001	3.318	11.485	0.104
6/26/2017 10:30:26 PM	24960.001	3.322	11.468	0.094
6/26/2017 10:31:26 PM	25020.001	3.320	11.500	0.100
6/26/2017 10:32:26 PM	25080.001	3.323	11.508	0.094
6/26/2017 10:33:26 PM	25140.001	3.321	11.470	0.097
6/26/2017 10:34:26 PM	25200.001	3.322	11.486	0.096
6/26/2017 10:35:26 PM	25260.001	3.317	11.505	0.106
6/26/2017 10:36:26 PM	25320.001	3.320	11.514	0.099
6/26/2017 10:37:26 PM	25380.001	3.323	11.500	0.092
6/26/2017 10:38:26 PM	25440.001	3.321	11.501	0.098
6/26/2017 10:39:26 PM	25500.001	3.322	11.501	0.094
6/26/2017 10:40:26 PM	25560.001	3.322	11.495	0.095
6/26/2017 10:41:26 PM	25620.001	3.320	11.489	0.099
6/26/2017 10:42:26 PM	25680.001	3.323	11.509	0.094
6/26/2017 10:43:26 PM	25740.001	3.323	11.501	0.093
6/26/2017 10:44:26 PM	25800.001	3.322	11.509	0.095
6/26/2017 10:45:26 PM	25860.001	3.319	11.488	0.103
6/26/2017 10:46:26 PM	25920.001	3.318	11.513	0.105
6/26/2017 10:47:26 PM	25980.001	3.324	11.496	0.091
6/26/2017 10:48:26 PM	26040.001	3.318	11.483	0.105
6/26/2017 10:49:26 PM	26100.001	3.320	11.465	0.100
6/26/2017 10:50:26 PM	26160.001	3.323	11.490	0.093
6/26/2017 10:51:26 PM	26220.001	3.320	11.483	0.099
6/26/2017 10:52:26 PM	26280.001	3.319	11.513	0.102
6/26/2017 10:53:26 PM	26340.001	3.318	11.498	0.106
6/26/2017 10:54:26 PM	26400.001	3.319	11.499	0.103
6/26/2017 10:55:26 PM	26460.001	3.318	11.557	0.104
6/26/2017 10:56:26 PM	26520.001	3.320	11.489	0.100

6/26/2017 10:57:26 PM	26580.001	3.319	11.466	0.101
6/26/2017 10:58:26 PM	26640.001	3.320	11.510	0.099
6/26/2017 10:59:26 PM	26700.001	3.321	11.477	0.096
6/26/2017 11:00:26 PM	26760.001	3.320	11.473	0.101
6/26/2017 11:01:26 PM	26820.001	3.320	11.496	0.101
6/26/2017 11:02:26 PM	26880.001	3.322	11.516	0.095
6/26/2017 11:03:26 PM	26940.001	3.318	11.501	0.104
6/26/2017 11:04:26 PM	27000.001	3.320	11.494	0.099
6/26/2017 11:05:26 PM	27060.001	3.321	11.496	0.097
6/26/2017 11:06:26 PM	27120.001	3.321	11.524	0.099
6/26/2017 11:07:26 PM	27180.001	3.318	11.509	0.104
6/26/2017 11:08:26 PM	27240.001	3.318	11.493	0.103
6/26/2017 11:09:26 PM	27300.001	3.322	11.508	0.096
6/26/2017 11:10:26 PM	27360.001	3.319	11.462	0.102
6/26/2017 11:11:26 PM	27420.001	3.319	11.529	0.102
6/26/2017 11:12:26 PM	27480.001	3.321	11.487	0.098
6/26/2017 11:13:26 PM	27540.001	3.319	11.504	0.103
6/26/2017 11:14:26 PM	27600.001	3.319	11.497	0.103
6/26/2017 11:15:26 PM	27660.001	3.318	11.514	0.105
6/26/2017 11:16:26 PM	27720.001	3.318	11.492	0.103
6/26/2017 11:17:26 PM	27780.001	3.320	11.507	0.101
6/26/2017 11:18:26 PM	27840.001	3.321	11.488	0.097
6/26/2017 11:19:26 PM	27900.001	3.320	11.490	0.099
6/26/2017 11:20:26 PM	27960.001	3.322	11.474	0.096
6/26/2017 11:21:26 PM	28020.001	3.320	11.504	0.101
6/26/2017 11:22:26 PM	28080.001	3.318	11.490	0.106
6/26/2017 11:23:26 PM	28140.001	3.320	11.510	0.099
6/26/2017 11:24:26 PM	28200.001	3.319	11.507	0.103
6/26/2017 11:25:26 PM	28260.001	3.317	11.493	0.107
6/26/2017 11:26:26 PM	28320.001	3.319	11.495	0.101
6/26/2017 11:27:26 PM	28380.001	3.317	11.501	0.106
6/26/2017 11:28:26 PM	28440.001	3.316	11.484	0.109
6/26/2017 11:29:26 PM	28500.001	3.316	11.495	0.109
6/26/2017 11:30:26 PM	28560.001	3.317	11.490	0.107
6/26/2017 11:31:26 PM	28620.001	3.316	11.516	0.109
6/26/2017 11:32:26 PM	28680.001	3.318	11.482	0.105
6/26/2017 11:33:26 PM	28740.001	3.316	11.477	0.110
6/26/2017 11:34:26 PM	28800.001	3.316	11.503	0.108
6/26/2017 11:35:26 PM	28860.001	3.317	11.524	0.106
6/26/2017 11:36:26 PM	28920.001	3.315	11.530	0.111
6/26/2017 11:37:26 PM	28980.001	3.317	11.488	0.107
6/26/2017 11:38:26 PM	29040.001	3.318	11.497	0.104
6/26/2017 11:39:26 PM	29100.001	3.317	11.486	0.108
6/26/2017 11:40:26 PM	29160.001	3.318	11.496	0.105
6/26/2017 11:41:26 PM	29220.001	3.318	11.517	0.106
6/26/2017 11:42:26 PM	29280.001	3.317	11.497	0.108
6/26/2017 11:43:26 PM	29340.001	3.316	11.485	0.109
6/26/2017 11:44:26 PM	29400.001	3.315	11.492	0.112
6/26/2017 11:45:26 PM	29460.001	3.315	11.493	0.111
6/26/2017 11:46:26 PM	29520.001	3.317	11.522	0.108
6/26/2017 11:47:26 PM	29580.001	3.317	11.488	0.106
6/26/2017 11:48:26 PM	29640.001	3.318	11.485	0.105
6/26/2017 11:49:26 PM	29700.001	3.312	11.497	0.118
6/26/2017 11:50:26 PM	29760.001	3.314	11.480	0.113
6/26/2017 11:51:26 PM	29820.001	3.315	11.515	0.111
6/26/2017 11:52:26 PM	29880.001	3.316	11.502	0.110
6/26/2017 11:53:26 PM	29940.001	3.316	11.480	0.109
6/26/2017 11:54:26 PM	30000.001	3.318	11.463	0.106
6/26/2017 11:55:26 PM	30060.001	3.314	11.513	0.114
6/26/2017 11:56:26 PM	30120.001	3.315	11.489	0.112
6/26/2017 11:57:26 PM	30180.001	3.316	11.518	0.110
6/26/2017 11:58:26 PM	30240.001	3.316	11.513	0.110
6/26/2017 11:59:26 PM	30300.001	3.313	11.496	0.115

6/27/2017 12:00:26 AM	30360.001	3.315	11.513	0.110
6/27/2017 12:01:26 AM	30420.001	3.313	11.501	0.116
6/27/2017 12:02:26 AM	30480.001	3.315	11.464	0.111
6/27/2017 12:03:26 AM	30540.001	3.316	11.510	0.109
6/27/2017 12:04:26 AM	30600.001	3.314	11.502	0.114
6/27/2017 12:05:26 AM	30660.001	3.312	11.476	0.118
6/27/2017 12:06:26 AM	30720.001	3.313	11.513	0.117
6/27/2017 12:07:26 AM	30780.001	3.314	11.473	0.114
6/27/2017 12:08:26 AM	30840.001	3.313	11.502	0.116
6/27/2017 12:09:26 AM	30900.001	3.315	11.477	0.111
6/27/2017 12:10:26 AM	30960.001	3.317	11.493	0.107
6/27/2017 12:11:26 AM	31020.001	3.316	11.509	0.109
6/27/2017 12:12:26 AM	31080.001	3.313	11.507	0.115
6/27/2017 12:13:26 AM	31140.001	3.313	11.530	0.117
6/27/2017 12:14:26 AM	31200.001	3.314	11.496	0.114
6/27/2017 12:15:26 AM	31260.001	3.312	11.515	0.118
6/27/2017 12:16:26 AM	31320.001	3.315	11.467	0.112
6/27/2017 12:17:26 AM	31380.001	3.313	11.493	0.116
6/27/2017 12:18:26 AM	31440.001	3.311	11.469	0.120
6/27/2017 12:19:26 AM	31500.001	3.310	11.504	0.123
6/27/2017 12:20:26 AM	31560.001	3.314	11.504	0.115
6/27/2017 12:21:26 AM	31620.001	3.312	11.503	0.118
6/27/2017 12:22:26 AM	31680.001	3.312	11.492	0.119
6/27/2017 12:23:26 AM	31740.001	3.313	11.509	0.116
6/27/2017 12:24:26 AM	31800.001	3.312	11.499	0.119
6/27/2017 12:25:26 AM	31860.001	3.312	11.494	0.117
6/27/2017 12:26:26 AM	31920.001	3.313	11.501	0.116
6/27/2017 12:27:26 AM	31980.001	3.310	11.492	0.122
6/27/2017 12:28:26 AM	32040.001	3.312	11.519	0.119
6/27/2017 12:29:26 AM	32100.001	3.312	11.483	0.119
6/27/2017 12:30:26 AM	32160.001	3.313	11.513	0.116
6/27/2017 12:31:26 AM	32220.001	3.312	11.458	0.118
6/27/2017 12:32:26 AM	32280.001	3.313	11.487	0.117
6/27/2017 12:33:26 AM	32340.001	3.311	11.479	0.120
6/27/2017 12:34:26 AM	32400.001	3.309	11.480	0.126
6/27/2017 12:35:26 AM	32460.001	3.308	11.518	0.128
6/27/2017 12:36:26 AM	32520.001	3.307	11.479	0.129
6/27/2017 12:37:26 AM	32580.001	3.308	11.506	0.127
6/27/2017 12:38:26 AM	32640.001	3.309	11.503	0.125
6/27/2017 12:39:26 AM	32700.001	3.308	11.479	0.128
6/27/2017 12:40:26 AM	32760.001	3.308	11.497	0.127
6/27/2017 12:41:26 AM	32820.001	3.310	11.492	0.124
6/27/2017 12:42:26 AM	32880.001	3.311	11.483	0.121
6/27/2017 12:43:26 AM	32940.001	3.308	11.493	0.129
6/27/2017 12:44:26 AM	33000.001	3.308	11.496	0.127
6/27/2017 12:45:26 AM	33060.001	3.305	11.499	0.135
6/27/2017 12:46:26 AM	33120.001	3.305	11.487	0.134
6/27/2017 12:47:26 AM	33180.001	3.308	11.502	0.128
6/27/2017 12:48:26 AM	33240.001	3.307	11.515	0.129
6/27/2017 12:49:26 AM	33300.001	3.308	11.514	0.127
6/27/2017 12:50:26 AM	33360.001	3.308	11.472	0.127
6/27/2017 12:51:26 AM	33420.001	3.308	11.470	0.127
6/27/2017 12:52:26 AM	33480.001	3.306	11.489	0.131
6/27/2017 12:53:26 AM	33540.001	3.309	11.489	0.126
6/27/2017 12:54:26 AM	33600.001	3.309	11.496	0.124
6/27/2017 12:55:26 AM	33660.001	3.307	11.504	0.129
6/27/2017 12:56:26 AM	33720.001	3.309	11.465	0.125
6/27/2017 12:57:26 AM	33780.001	3.308	11.458	0.128
6/27/2017 12:58:26 AM	33840.001	3.307	11.501	0.129
6/27/2017 12:59:26 AM	33900.001	3.306	11.486	0.133
6/27/2017 1:00:26 AM	33960.001	3.306	11.466	0.131
6/27/2017 1:01:26 AM	34020.001	3.308	11.469	0.128
6/27/2017 1:02:26 AM	34080.001	3.307	11.482	0.130

6/27/2017 1:03:26 AM	34140.001	3.308	11.493	0.127
6/27/2017 1:04:26 AM	34200.001	3.307	11.503	0.131
6/27/2017 1:05:26 AM	34260.001	3.307	11.470	0.130
6/27/2017 1:06:26 AM	34320.001	3.308	11.488	0.128
6/27/2017 1:07:26 AM	34380.001	3.306	11.499	0.131
6/27/2017 1:08:26 AM	34440.001	3.303	11.493	0.140
6/27/2017 1:09:26 AM	34500.001	3.306	11.494	0.132
6/27/2017 1:10:26 AM	34560.001	3.305	11.531	0.135
6/27/2017 1:11:26 AM	34620.001	3.305	11.496	0.134
6/27/2017 1:12:26 AM	34680.001	3.305	11.494	0.136
6/27/2017 1:13:26 AM	34740.001	3.305	11.478	0.134
6/27/2017 1:14:26 AM	34800.001	3.307	11.463	0.129
6/27/2017 1:15:26 AM	34860.001	3.306	11.443	0.133
6/27/2017 1:16:26 AM	34920.001	3.305	11.521	0.134
6/27/2017 1:17:26 AM	34980.001	3.305	11.488	0.135
6/27/2017 1:18:26 AM	35040.001	3.303	11.521	0.139
6/27/2017 1:19:26 AM	35100.001	3.301	11.489	0.143
6/27/2017 1:20:26 AM	35160.001	3.302	11.487	0.141
6/27/2017 1:21:26 AM	35220.001	3.303	11.496	0.140
6/27/2017 1:22:26 AM	35280.001	3.304	11.477	0.136
6/27/2017 1:23:26 AM	35340.001	3.300	11.510	0.145
6/27/2017 1:24:26 AM	35400.001	3.304	11.515	0.136
6/27/2017 1:25:26 AM	35460.001	3.302	11.504	0.141
6/27/2017 1:26:26 AM	35520.001	3.301	11.462	0.143
6/27/2017 1:27:26 AM	35580.001	3.301	11.521	0.145
6/27/2017 1:28:26 AM	35640.001	3.300	11.487	0.145
6/27/2017 1:29:26 AM	35700.001	3.298	11.463	0.151
6/27/2017 1:30:26 AM	35760.001	3.299	11.471	0.149
6/27/2017 1:31:26 AM	35820.001	3.302	11.478	0.141
6/27/2017 1:32:26 AM	35880.001	3.303	11.450	0.139
6/27/2017 1:33:26 AM	35940.001	3.303	11.518	0.140
6/27/2017 1:34:26 AM	36000.001	3.301	11.526	0.144
6/27/2017 1:35:26 AM	36060.001	3.299	11.481	0.149
6/27/2017 1:36:26 AM	36120.001	3.301	11.498	0.144
6/27/2017 1:37:26 AM	36180.001	3.298	11.474	0.150
6/27/2017 1:38:26 AM	36240.001	3.301	11.493	0.144
6/27/2017 1:39:26 AM	36300.001	3.303	11.472	0.140
6/27/2017 1:40:26 AM	36360.001	3.303	11.538	0.138
6/27/2017 1:41:26 AM	36420.001	3.300	11.488	0.146
6/27/2017 1:42:26 AM	36480.001	3.301	11.505	0.145
6/27/2017 1:43:26 AM	36540.001	3.301	11.490	0.144
6/27/2017 1:44:26 AM	36600.001	3.303	11.514	0.140
6/27/2017 1:45:26 AM	36660.001	3.300	11.528	0.146
6/27/2017 1:46:26 AM	36720.001	3.300	11.507	0.146
6/27/2017 1:47:26 AM	36780.001	3.301	11.515	0.143
6/27/2017 1:48:26 AM	36840.001	3.302	11.486	0.142
6/27/2017 1:49:26 AM	36900.001	3.300	11.498	0.147
6/27/2017 1:50:26 AM	36960.001	3.303	11.463	0.139
6/27/2017 1:51:26 AM	37020.001	3.300	11.446	0.145
6/27/2017 1:52:26 AM	37080.001	3.299	11.491	0.149
6/27/2017 1:53:26 AM	37140.001	3.303	11.479	0.140
6/27/2017 1:54:26 AM	37200.001	3.300	11.443	0.147
6/27/2017 1:55:26 AM	37260.001	3.302	11.479	0.142
6/27/2017 1:56:26 AM	37320.001	3.300	11.470	0.147
6/27/2017 1:57:26 AM	37380.001	3.300	11.477	0.145
6/27/2017 1:58:26 AM	37440.001	3.298	11.501	0.150
6/27/2017 1:59:26 AM	37500.001	3.301	11.516	0.144
6/27/2017 2:00:26 AM	37560.001	3.301	11.498	0.144
6/27/2017 2:01:26 AM	37620.001	3.303	11.519	0.138
6/27/2017 2:02:26 AM	37680.001	3.301	11.471	0.143
6/27/2017 2:03:26 AM	37740.001	3.304	11.482	0.137
6/27/2017 2:04:26 AM	37800.001	3.299	11.490	0.148
6/27/2017 2:05:26 AM	37860.001	3.300	11.500	0.146

6/27/2017 2:06:26 AM	37920.001	3.301	11.519	0.143
6/27/2017 2:07:26 AM	37980.001	3.302	11.515	0.142
6/27/2017 2:08:26 AM	38040.001	3.302	11.482	0.141
6/27/2017 2:09:26 AM	38100.001	3.299	11.495	0.149
6/27/2017 2:10:26 AM	38160.001	3.298	11.463	0.151
6/27/2017 2:11:26 AM	38220.001	3.301	11.481	0.144
6/27/2017 2:12:26 AM	38280.001	3.298	11.471	0.151
6/27/2017 2:13:26 AM	38340.001	3.302	11.489	0.142
6/27/2017 2:14:26 AM	38400.001	3.302	11.507	0.142
6/27/2017 2:15:26 AM	38460.001	3.298	11.504	0.150
6/27/2017 2:16:26 AM	38520.001	3.302	11.493	0.142
6/27/2017 2:17:26 AM	38580.001	3.301	11.524	0.144
6/27/2017 2:18:26 AM	38640.001	3.302	11.496	0.142
6/27/2017 2:19:26 AM	38700.001	3.302	11.533	0.142
6/27/2017 2:20:26 AM	38760.001	3.300	11.473	0.145
6/27/2017 2:21:26 AM	38820.001	3.301	11.498	0.145
6/27/2017 2:22:26 AM	38880.001	3.300	11.516	0.147
6/27/2017 2:23:26 AM	38940.001	3.301	11.485	0.143
6/27/2017 2:24:26 AM	39000.001	3.301	11.467	0.145
6/27/2017 2:25:26 AM	39060.001	3.300	11.489	0.146
6/27/2017 2:26:26 AM	39120.001	3.302	11.508	0.142
6/27/2017 2:27:26 AM	39180.001	3.301	11.502	0.143
6/27/2017 2:28:26 AM	39240.001	3.300	11.491	0.146
6/27/2017 2:29:26 AM	39300.001	3.300	11.517	0.146
6/27/2017 2:30:26 AM	39360.001	3.303	11.511	0.140
6/27/2017 2:31:26 AM	39420.001	3.299	11.503	0.149
6/27/2017 2:32:26 AM	39480.001	3.298	11.491	0.151
6/27/2017 2:33:26 AM	39540.001	3.301	11.506	0.143
6/27/2017 2:34:26 AM	39600.001	3.299	11.514	0.147
6/27/2017 2:35:26 AM	39660.001	3.298	11.509	0.150
6/27/2017 2:36:26 AM	39720.001	3.297	11.468	0.153
6/27/2017 2:37:26 AM	39780.001	3.301	11.508	0.145
6/27/2017 2:38:26 AM	39840.001	3.298	11.474	0.150
6/27/2017 2:39:26 AM	39900.001	3.300	11.485	0.146
6/27/2017 2:40:26 AM	39960.001	3.301	11.529	0.144
6/27/2017 2:41:26 AM	40020.001	3.299	11.484	0.149
6/27/2017 2:42:26 AM	40080.001	3.298	11.507	0.150
6/27/2017 2:43:26 AM	40140.001	3.301	11.479	0.143
6/27/2017 2:44:26 AM	40200.001	3.299	11.499	0.148
6/27/2017 2:45:26 AM	40260.001	3.301	11.498	0.143
6/27/2017 2:46:26 AM	40320.001	3.301	11.474	0.144
6/27/2017 2:47:26 AM	40380.001	3.299	11.477	0.149
6/27/2017 2:48:26 AM	40440.001	3.297	11.517	0.154
6/27/2017 2:49:26 AM	40500.001	3.301	11.519	0.145
6/27/2017 2:50:26 AM	40560.001	3.300	11.514	0.146
6/27/2017 2:51:26 AM	40620.001	3.300	11.513	0.146
6/27/2017 2:52:26 AM	40680.001	3.298	11.505	0.150
6/27/2017 2:53:26 AM	40740.001	3.302	11.531	0.141
6/27/2017 2:54:26 AM	40800.001	3.301	11.499	0.144
6/27/2017 2:55:26 AM	40860.001	3.300	11.482	0.145
6/27/2017 2:56:26 AM	40920.001	3.298	11.500	0.150
6/27/2017 2:57:26 AM	40980.001	3.301	11.493	0.144
6/27/2017 2:58:26 AM	41040.001	3.300	11.493	0.145
6/27/2017 2:59:26 AM	41100.001	3.299	11.496	0.148
6/27/2017 3:00:26 AM	41160.001	3.302	11.498	0.143
6/27/2017 3:01:26 AM	41220.001	3.301	11.510	0.143
6/27/2017 3:02:26 AM	41280.001	3.301	11.470	0.144
6/27/2017 3:03:26 AM	41340.001	3.301	11.517	0.145
6/27/2017 3:04:26 AM	41400.001	3.302	11.495	0.141
6/27/2017 3:05:26 AM	41460.001	3.299	11.514	0.149
6/27/2017 3:06:26 AM	41520.001	3.300	11.489	0.145
6/27/2017 3:07:26 AM	41580.001	3.299	11.521	0.149
6/27/2017 3:08:26 AM	41640.001	3.302	11.504	0.141

6/27/2017 3:09:26 AM	41700.001	3.302	11.494	0.142
6/27/2017 3:10:26 AM	41760.001	3.299	11.496	0.148
6/27/2017 3:11:26 AM	41820.001	3.303	11.514	0.140
6/27/2017 3:12:26 AM	41880.001	3.302	11.499	0.141
6/27/2017 3:13:26 AM	41940.001	3.299	11.479	0.149
6/27/2017 3:14:26 AM	42000.001	3.300	11.534	0.146
6/27/2017 3:15:26 AM	42060.001	3.301	11.488	0.144
6/27/2017 3:16:26 AM	42120.001	3.298	11.472	0.150
6/27/2017 3:17:26 AM	42180.001	3.300	11.546	0.145
6/27/2017 3:18:26 AM	42240.001	3.297	11.477	0.153
6/27/2017 3:19:26 AM	42300.001	3.301	11.498	0.143
6/27/2017 3:20:26 AM	42360.001	3.298	11.515	0.151
6/27/2017 3:21:26 AM	42420.001	3.298	11.488	0.150
6/27/2017 3:22:26 AM	42480.001	3.299	11.516	0.148
6/27/2017 3:23:26 AM	42540.001	3.299	11.488	0.149
6/27/2017 3:24:26 AM	42600.001	3.298	11.493	0.150
6/27/2017 3:25:26 AM	42660.001	3.297	11.504	0.152
6/27/2017 3:26:26 AM	42720.001	3.300	11.480	0.146
6/27/2017 3:27:26 AM	42780.001	3.297	11.500	0.152
6/27/2017 3:28:26 AM	42840.001	3.297	11.492	0.152
6/27/2017 3:29:26 AM	42900.001	3.298	11.497	0.150
6/27/2017 3:30:26 AM	42960.001	3.301	11.532	0.143
6/27/2017 3:31:26 AM	43020.001	3.295	11.466	0.157
6/27/2017 3:32:26 AM	43080.001	3.298	11.472	0.150
6/27/2017 3:33:26 AM	43140.001	3.299	11.501	0.148
6/27/2017 3:34:26 AM	43200.001	3.300	11.480	0.147
6/27/2017 3:35:26 AM	43260.001	3.297	11.511	0.152
6/27/2017 3:36:26 AM	43320.001	3.299	11.485	0.149
6/27/2017 3:37:26 AM	43380.001	3.300	11.492	0.145
6/27/2017 3:38:26 AM	43440.001	3.300	11.491	0.147
6/27/2017 3:39:26 AM	43500.001	3.297	11.526	0.152
6/27/2017 3:40:26 AM	43560.001	3.296	11.510	0.154
6/27/2017 3:41:26 AM	43620.001	3.296	11.520	0.154
6/27/2017 3:42:26 AM	43680.001	3.297	11.479	0.152
6/27/2017 3:43:26 AM	43740.001	3.297	11.490	0.153
6/27/2017 3:44:26 AM	43800.001	3.298	11.482	0.151
6/27/2017 3:45:26 AM	43860.001	3.296	11.471	0.156
6/27/2017 3:46:26 AM	43920.001	3.297	11.495	0.152
6/27/2017 3:47:26 AM	43980.001	3.296	11.474	0.155
6/27/2017 3:48:26 AM	44040.001	3.298	11.534	0.151
6/27/2017 3:49:26 AM	44100.001	3.298	11.482	0.150
6/27/2017 3:50:26 AM	44160.001	3.299	11.482	0.148
6/27/2017 3:51:26 AM	44220.001	3.298	11.517	0.152
6/27/2017 3:52:26 AM	44280.001	3.298	11.493	0.151
6/27/2017 3:53:26 AM	44340.001	3.297	11.501	0.153
6/27/2017 3:54:26 AM	44400.001	3.294	11.484	0.160
6/27/2017 3:55:26 AM	44460.001	3.295	11.503	0.158
6/27/2017 3:56:26 AM	44520.001	3.296	11.481	0.156
6/27/2017 3:57:26 AM	44580.001	3.297	11.503	0.153
6/27/2017 3:58:26 AM	44640.001	3.296	11.494	0.155
6/27/2017 3:59:26 AM	44700.001	3.297	11.488	0.153
6/27/2017 4:00:26 AM	44760.001	3.295	11.505	0.158
6/27/2017 4:01:26 AM	44820.001	3.296	11.486	0.155
6/27/2017 4:02:26 AM	44880.001	3.294	11.497	0.160
6/27/2017 4:03:26 AM	44940.001	3.296	11.495	0.156
6/27/2017 4:04:26 AM	45000.001	3.294	11.490	0.159
6/27/2017 4:05:26 AM	45060.001	3.294	11.472	0.161
6/27/2017 4:06:26 AM	45120.001	3.295	11.484	0.158
6/27/2017 4:07:26 AM	45180.001	3.295	11.516	0.157
6/27/2017 4:08:26 AM	45240.001	3.296	11.518	0.156
6/27/2017 4:09:26 AM	45300.001	3.293	11.476	0.163
6/27/2017 4:10:26 AM	45360.001	3.294	11.498	0.161
6/27/2017 4:11:26 AM	45420.001	3.295	11.500	0.157

6/27/2017 4:12:26 AM	45480.001	3.295	11.474	0.157
6/27/2017 4:13:26 AM	45540.001	3.296	11.485	0.156
6/27/2017 4:14:26 AM	45600.001	3.291	11.490	0.166
6/27/2017 4:15:26 AM	45660.001	3.297	11.493	0.154
6/27/2017 4:16:26 AM	45720.001	3.295	11.499	0.157
6/27/2017 4:17:26 AM	45780.001	3.294	11.500	0.160
6/27/2017 4:18:26 AM	45840.001	3.293	11.481	0.162
6/27/2017 4:19:26 AM	45900.001	3.296	11.510	0.155
6/27/2017 4:20:26 AM	45960.001	3.293	11.493	0.163
6/27/2017 4:21:26 AM	46020.001	3.294	11.485	0.160
6/27/2017 4:22:26 AM	46080.001	3.295	11.482	0.158
6/27/2017 4:23:26 AM	46140.001	3.292	11.479	0.165
6/27/2017 4:24:26 AM	46200.001	3.292	11.499	0.164
6/27/2017 4:25:26 AM	46260.001	3.294	11.496	0.160
6/27/2017 4:26:26 AM	46320.001	3.291	11.488	0.166
6/27/2017 4:27:26 AM	46380.001	3.292	11.531	0.165
6/27/2017 4:28:26 AM	46440.001	3.289	11.511	0.171
6/27/2017 4:29:26 AM	46500.001	3.293	11.483	0.161
6/27/2017 4:30:26 AM	46560.001	3.294	11.494	0.161
6/27/2017 4:31:26 AM	46620.001	3.294	11.508	0.161
6/27/2017 4:32:26 AM	46680.001	3.296	11.488	0.156
6/27/2017 4:33:26 AM	46740.001	3.295	11.499	0.157
6/27/2017 4:34:26 AM	46800.001	3.295	11.507	0.158
6/27/2017 4:35:26 AM	46860.001	3.291	11.493	0.166
6/27/2017 4:36:26 AM	46920.001	3.292	11.489	0.165
6/27/2017 4:37:26 AM	46980.001	3.292	11.505	0.165
6/27/2017 4:38:26 AM	47040.001	3.294	11.495	0.161
6/27/2017 4:39:26 AM	47100.001	3.291	11.502	0.166
6/27/2017 4:40:26 AM	47160.001	3.294	11.481	0.159
6/27/2017 4:41:26 AM	47220.001	3.293	11.490	0.162
6/27/2017 4:42:26 AM	47280.001	3.293	11.501	0.163
6/27/2017 4:43:26 AM	47340.001	3.294	11.505	0.160
6/27/2017 4:44:26 AM	47400.001	3.292	11.489	0.165
6/27/2017 4:45:26 AM	47460.001	3.291	11.490	0.166
6/27/2017 4:46:26 AM	47520.001	3.292	11.525	0.163
6/27/2017 4:47:26 AM	47580.001	3.289	11.512	0.171
6/27/2017 4:48:26 AM	47640.001	3.293	11.490	0.163
6/27/2017 4:49:26 AM	47700.001	3.293	11.461	0.162
6/27/2017 4:50:26 AM	47760.001	3.293	11.477	0.162
6/27/2017 4:51:26 AM	47820.001	3.291	11.477	0.167
6/27/2017 4:52:26 AM	47880.001	3.294	11.484	0.160
6/27/2017 4:53:26 AM	47940.001	3.294	11.521	0.159
6/27/2017 4:54:26 AM	48000.001	3.288	11.510	0.173
6/27/2017 4:55:26 AM	48060.001	3.293	11.478	0.162
6/27/2017 4:56:26 AM	48120.001	3.293	11.462	0.162
6/27/2017 4:57:26 AM	48180.001	3.293	11.471	0.161
6/27/2017 4:58:26 AM	48240.001	3.294	11.489	0.160
6/27/2017 4:59:26 AM	48300.001	3.293	11.518	0.162
6/27/2017 5:00:26 AM	48360.001	3.292	11.503	0.164
6/27/2017 5:01:26 AM	48420.001	3.292	11.506	0.165
6/27/2017 5:02:26 AM	48480.001	3.293	11.501	0.163
6/27/2017 5:03:26 AM	48540.001	3.294	11.519	0.159
6/27/2017 5:04:26 AM	48600.001	3.293	11.480	0.163
6/27/2017 5:05:26 AM	48660.001	3.294	11.539	0.159
6/27/2017 5:06:26 AM	48720.001	3.294	11.509	0.160
6/27/2017 5:07:26 AM	48780.001	3.291	11.486	0.167
6/27/2017 5:08:26 AM	48840.001	3.295	11.478	0.159
6/27/2017 5:09:26 AM	48900.001	3.295	11.488	0.157
6/27/2017 5:10:26 AM	48960.001	3.292	11.500	0.165
6/27/2017 5:11:26 AM	49020.001	3.293	11.480	0.162
6/27/2017 5:12:26 AM	49080.001	3.293	11.514	0.162
6/27/2017 5:13:26 AM	49140.001	3.292	11.482	0.164
6/27/2017 5:14:26 AM	49200.001	3.292	11.521	0.166

6/27/2017 5:15:26 AM	49260.001	3.294	11.460	0.159
6/27/2017 5:16:26 AM	49320.001	3.296	11.513	0.155
6/27/2017 5:17:26 AM	49380.001	3.293	11.534	0.162
6/27/2017 5:18:26 AM	49440.001	3.293	11.496	0.163
6/27/2017 5:19:26 AM	49500.001	3.293	11.502	0.162
6/27/2017 5:20:26 AM	49560.001	3.296	11.501	0.155
6/27/2017 5:21:26 AM	49620.001	3.295	11.479	0.157
6/27/2017 5:22:26 AM	49680.001	3.298	11.491	0.150
6/27/2017 5:23:26 AM	49740.001	3.296	11.527	0.155
6/27/2017 5:24:26 AM	49800.001	3.298	11.504	0.151
6/27/2017 5:25:26 AM	49860.001	3.298	11.466	0.151
6/27/2017 5:26:26 AM	49920.001	3.296	11.488	0.155
6/27/2017 5:27:26 AM	49980.001	3.297	11.494	0.153
6/27/2017 5:28:26 AM	50040.001	3.298	11.498	0.152
6/27/2017 5:29:26 AM	50100.001	3.298	11.510	0.150
6/27/2017 5:30:26 AM	50160.001	3.296	11.511	0.154
6/27/2017 5:31:26 AM	50220.001	3.298	11.517	0.152
6/27/2017 5:32:26 AM	50280.001	3.298	11.503	0.150
6/27/2017 5:33:26 AM	50340.001	3.298	11.490	0.151
6/27/2017 5:34:26 AM	50400.001	3.299	11.501	0.148
6/27/2017 5:35:26 AM	50460.001	3.299	11.494	0.148
6/27/2017 5:36:26 AM	50520.001	3.298	11.498	0.150
6/27/2017 5:37:26 AM	50580.001	3.298	11.513	0.150
6/27/2017 5:38:26 AM	50640.001	3.294	11.527	0.160
6/27/2017 5:39:26 AM	50700.001	3.297	11.497	0.154
6/27/2017 5:40:26 AM	50760.001	3.297	11.474	0.152
6/27/2017 5:41:26 AM	50820.001	3.297	11.496	0.154
6/27/2017 5:42:26 AM	50880.001	3.300	11.507	0.146
6/27/2017 5:43:26 AM	50940.001	3.298	11.482	0.151
6/27/2017 5:44:26 AM	51000.001	3.300	11.524	0.146
6/27/2017 5:45:26 AM	51060.001	3.299	11.517	0.148
6/27/2017 5:46:26 AM	51120.001	3.298	11.502	0.152
6/27/2017 5:47:26 AM	51180.001	3.297	11.492	0.152
6/27/2017 5:48:26 AM	51240.001	3.296	11.499	0.155
6/27/2017 5:49:26 AM	51300.001	3.297	11.496	0.153
6/27/2017 5:50:26 AM	51360.001	3.299	11.514	0.148
6/27/2017 5:51:26 AM	51420.001	3.299	11.492	0.150
6/27/2017 5:52:26 AM	51480.001	3.296	11.510	0.155
6/27/2017 5:53:26 AM	51540.001	3.298	11.495	0.151
6/27/2017 5:54:26 AM	51600.001	3.294	11.490	0.160
6/27/2017 5:55:26 AM	51660.001	3.297	11.469	0.152
6/27/2017 5:56:26 AM	51720.001	3.296	11.524	0.156
6/27/2017 5:57:26 AM	51780.001	3.298	11.494	0.150
6/27/2017 5:58:26 AM	51840.001	3.299	11.501	0.149
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6/27/2017 6:00:26 AM	51960.001	3.298	11.504	0.151
6/27/2017 6:01:26 AM	52020.001	3.294	11.503	0.159
6/27/2017 6:02:26 AM	52080.001	3.295	11.513	0.157
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6/27/2017 6:04:26 AM	52200.001	3.297	11.484	0.154
6/27/2017 6:05:26 AM	52260.001	3.297	11.478	0.154
6/27/2017 6:06:26 AM	52320.001	3.297	11.499	0.153
6/27/2017 6:07:26 AM	52380.001	3.300	11.510	0.147
6/27/2017 6:08:26 AM	52440.001	3.297	11.474	0.154
6/27/2017 6:09:26 AM	52500.001	3.296	11.515	0.154
6/27/2017 6:10:26 AM	52560.001	3.296	11.487	0.156
6/27/2017 6:11:26 AM	52620.001	3.296	11.501	0.155
6/27/2017 6:12:26 AM	52680.001	3.297	11.482	0.153
6/27/2017 6:13:26 AM	52740.001	3.296	11.490	0.156
6/27/2017 6:14:26 AM	52800.001	3.296	11.488	0.156
6/27/2017 6:15:26 AM	52860.001	3.298	11.495	0.150
6/27/2017 6:16:26 AM	52920.001	3.298	11.518	0.151
6/27/2017 6:17:26 AM	52980.001	3.298	11.501	0.151

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6/27/2017 6:22:26 AM	53280.001	3.297	11.457	0.154
6/27/2017 6:23:26 AM	53340.001	3.299	11.469	0.149
6/27/2017 6:24:26 AM	53400.001	3.297	11.495	0.154
6/27/2017 6:25:26 AM	53460.001	3.298	11.490	0.151
6/27/2017 6:26:26 AM	53520.001	3.296	11.501	0.156
6/27/2017 6:27:26 AM	53580.001	3.297	11.518	0.153
6/27/2017 6:28:26 AM	53640.001	3.295	11.501	0.158
6/27/2017 6:29:26 AM	53700.001	3.299	11.487	0.149
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6/27/2017 6:31:26 AM	53820.001	3.295	11.465	0.158
6/27/2017 6:32:26 AM	53880.001	3.298	11.496	0.150
6/27/2017 6:33:26 AM	53940.001	3.299	11.469	0.149
6/27/2017 6:34:26 AM	54000.001	3.296	11.485	0.156
6/27/2017 6:35:26 AM	54060.001	3.300	11.480	0.147
6/27/2017 6:36:26 AM	54120.001	3.297	11.492	0.152
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6/27/2017 6:52:26 AM	55080.001	3.297	11.518	0.154
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6/27/2017 6:59:26 AM	55500.001	3.297	11.481	0.154
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6/27/2017 7:11:26 AM	56220.001	3.298	11.477	0.150
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6/27/2017 7:50:26 AM	58560.001	3.293	11.525	0.163
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6/27/2017 8:00:26 AM	59160.001	3.294	11.506	0.160
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6/27/2017 8:09:26 AM	59700.001	3.292	11.508	0.164
6/27/2017 8:10:26 AM	59760.001	3.295	11.521	0.158
6/27/2017 8:11:26 AM	59820.001	3.296	11.479	0.155
6/27/2017 8:12:26 AM	59880.001	3.294	11.500	0.160
6/27/2017 8:13:26 AM	59940.001	3.293	11.485	0.163
6/27/2017 8:14:26 AM	60000.001	3.295	11.486	0.158
6/27/2017 8:15:26 AM	60060.001	3.294	11.471	0.159
6/27/2017 8:16:26 AM	60120.001	3.296	11.501	0.156
6/27/2017 8:17:26 AM	60180.001	3.294	11.515	0.160
6/27/2017 8:18:26 AM	60240.001	3.298	11.522	0.151
6/27/2017 8:19:26 AM	60300.001	3.294	11.492	0.160
6/27/2017 8:20:26 AM	60360.001	3.295	11.490	0.158
6/27/2017 8:21:26 AM	60420.001	3.293	11.508	0.163
6/27/2017 8:22:26 AM	60480.001	3.294	11.499	0.161
6/27/2017 8:23:26 AM	60540.001	3.295	11.481	0.159

6/27/2017 8:24:26 AM	60600.001	3.292	11.529	0.165
6/27/2017 8:25:26 AM	60660.001	3.293	11.479	0.163
6/27/2017 8:26:26 AM	60720.001	3.293	11.508	0.163
6/27/2017 8:27:26 AM	60780.001	3.293	11.506	0.163
6/27/2017 8:28:26 AM	60840.001	3.297	11.502	0.153
6/27/2017 8:29:26 AM	60900.001	3.296	11.514	0.155
6/27/2017 8:30:26 AM	60960.001	3.294	11.475	0.160
6/27/2017 8:31:26 AM	61020.001	3.294	11.476	0.160
6/27/2017 8:32:26 AM	61080.001	3.295	11.500	0.157
6/27/2017 8:33:26 AM	61140.001	3.294	11.496	0.160
6/27/2017 8:34:26 AM	61200.001	3.293	11.476	0.162
6/27/2017 8:35:26 AM	61260.001	3.292	11.518	0.164
6/27/2017 8:36:26 AM	61320.001	3.293	11.513	0.162
6/27/2017 8:37:26 AM	61380.001	3.293	11.479	0.163
6/27/2017 8:38:26 AM	61440.001	3.296	11.518	0.155
6/27/2017 8:39:26 AM	61500.001	3.295	11.490	0.157

Report Date: 7/10/2017 9:18:43 AM
Report User Name: dalmond
Report Computer Name: PINEWRKMA25-PC
Application: WinSitu.exe
Application Version: 5.6.25.0

Log File Properties:
File Name: CH-MW021 RH1_2017-07-10_09-18-38-214.wsl
Create Date: 7/10/2017 9:16:25 AM

Device Properties:
Device: Level TROLL 700
Site: Camp Hero
Device Name:
Serial Number: 169305
Firmware Version: 2.09
Hardware Version: 3
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 26
Used Battery(%): 41

Log Configuration
Log Name: CH-MW021 RH1
Created By: Unknown
Computer Name: Pocket PC
Application: WinSituMobile.exe
Application Version: 5.6.0.10
Create Date: 3/4/2006 10:36:16 AM Eastern Standard Time
Log Setup Time Zone: Eastern Standard Time
Notes Size(bytes): 4096
Overwrite when full: Disabled
Scheduled Start Time: Manual Start
Scheduled Stop Time: No Stop Time
Type: Step Test
Steps: 2 (Linear)
Step: 1
Duration: Days: 0 hrs: 00 mins: 02 secs: 00
Interval: Days: 0 hrs: 00 mins: 00 secs: 01
Step: 2
Duration: Days: 0 hrs: 10 mins: 00 secs: 00
Interval: Days: 0 hrs: 00 mins: 05 secs: 00

Level Reference Settings At Log Creation
Level Measurement Mode: Level Depth To Water
Specific Gravity: 0.999
Level Reference Mode: Set new reference
Level Reference Value: 0 (ft)
Level Reference Head Pressure: 2.21614 (PSI)

Other Log Settings
Depth of Probe: 5.11468 (ft)
Head Pressure: 2.21513 (PSI)
Temperature: 11.4524 (C)

Log Notes:

Date and Time	Note
6/22/2017 4:13:22 PM	Used Battery: 41% Used Memory: 28% User Name: Unknown
6/22/2017 4:13:34 PM	Manual Start Command

Log Data:
Record Count: 241
Sensors: 1
1 - 169305: Pressure/Temp 30 PSIG (21m/69ft)
Time Zone: Eastern Daylight Time

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 69ft SN#: 169305 Pressure (PSI)	Sensor: Pres(G) 69ft SN#: 169305 Temperature (C)	Sensor: Pres(G) 69ft SN#: 169305 Level Depth To Water (ft)
6/22/2017 4:13:34 PM	0.000	2.223	11.347	-0.017
6/22/2017 4:13:35 PM	1.000	2.221	11.356	-0.012
6/22/2017 4:13:36 PM	2.000	2.218	11.359	-0.005
6/22/2017 4:13:37 PM	3.253	2.224	11.358	-0.018
6/22/2017 4:13:38 PM	4.204	2.225	11.363	-0.019
6/22/2017 4:13:39 PM	5.000	2.223	11.367	-0.015
6/22/2017 4:13:40 PM	6.000	2.220	11.364	-0.009
6/22/2017 4:13:41 PM	7.000	2.221	11.366	-0.011
6/22/2017 4:13:42 PM	8.000	2.222	11.368	-0.014
6/22/2017 4:13:43 PM	9.000	2.194	11.367	0.051
6/22/2017 4:13:44 PM	10.000	2.213	11.368	0.006
6/22/2017 4:13:45 PM	11.001	1.854	11.367	0.836
6/22/2017 4:13:46 PM	12.001	1.447	11.372	1.776
6/22/2017 4:13:47 PM	13.000	1.456	11.371	1.756
6/22/2017 4:13:48 PM	14.000	1.464	11.368	1.737
6/22/2017 4:13:49 PM	15.000	1.475	11.372	1.711
6/22/2017 4:13:50 PM	16.000	1.483	11.373	1.693
6/22/2017 4:13:51 PM	17.000	1.491	11.372	1.675
6/22/2017 4:13:52 PM	18.000	1.496	11.373	1.662
6/22/2017 4:13:53 PM	19.001	1.505	11.373	1.641
6/22/2017 4:13:54 PM	20.001	1.511	11.373	1.629
6/22/2017 4:13:55 PM	21.001	1.516	11.373	1.616
6/22/2017 4:13:56 PM	22.001	1.523	11.375	1.601
6/22/2017 4:13:57 PM	23.001	1.531	11.373	1.581
6/22/2017 4:13:58 PM	24.001	1.538	11.380	1.567
6/22/2017 4:13:59 PM	25.001	1.544	11.379	1.552
6/22/2017 4:14:00 PM	26.001	1.549	11.375	1.541
6/22/2017 4:14:01 PM	27.001	1.556	11.379	1.525
6/22/2017 4:14:02 PM	28.001	1.562	11.379	1.510
6/22/2017 4:14:03 PM	29.001	1.568	11.380	1.497
6/22/2017 4:14:04 PM	30.001	1.572	11.381	1.487
6/22/2017 4:14:05 PM	31.001	1.580	11.381	1.468
6/22/2017 4:14:06 PM	32.001	1.585	11.380	1.457
6/22/2017 4:14:07 PM	33.001	1.590	11.382	1.445
6/22/2017 4:14:08 PM	34.001	1.595	11.382	1.433
6/22/2017 4:14:09 PM	35.001	1.601	11.382	1.420
6/22/2017 4:14:10 PM	36.001	1.606	11.380	1.409
6/22/2017 4:14:11 PM	37.001	1.621	11.384	1.375
6/22/2017 4:14:12 PM	38.001	1.623	11.383	1.369
6/22/2017 4:14:13 PM	39.001	1.622	11.383	1.371
6/22/2017 4:14:14 PM	40.001	1.618	11.384	1.382
6/22/2017 4:14:15 PM	41.001	1.620	11.383	1.377
6/22/2017 4:14:16 PM	42.001	1.622	11.385	1.373
6/22/2017 4:14:17 PM	43.001	1.627	11.385	1.361
6/22/2017 4:14:18 PM	44.001	1.631	11.385	1.351
6/22/2017 4:14:19 PM	45.001	1.636	11.386	1.339

6/22/2017 4:14:20 PM	46.001	1.640	11.387	1.330
6/22/2017 4:14:21 PM	47.001	1.646	11.384	1.318
6/22/2017 4:14:22 PM	48.001	1.649	11.389	1.310
6/22/2017 4:14:23 PM	49.001	1.653	11.388	1.299
6/22/2017 4:14:24 PM	50.001	1.656	11.386	1.293
6/22/2017 4:14:25 PM	51.001	1.660	11.390	1.283
6/22/2017 4:14:26 PM	52.001	1.662	11.386	1.279
6/22/2017 4:14:27 PM	53.001	1.665	11.389	1.274
6/22/2017 4:14:28 PM	54.001	1.668	11.391	1.264
6/22/2017 4:14:29 PM	55.001	1.670	11.392	1.261
6/22/2017 4:14:30 PM	56.001	1.675	11.390	1.249
6/22/2017 4:14:31 PM	57.001	1.676	11.391	1.247
6/22/2017 4:14:32 PM	58.001	1.678	11.392	1.243
6/22/2017 4:14:33 PM	59.001	1.682	11.394	1.233
6/22/2017 4:14:34 PM	60.001	1.683	11.396	1.231
6/22/2017 4:14:35 PM	61.001	1.686	11.395	1.223
6/22/2017 4:14:36 PM	62.001	1.689	11.398	1.218
6/22/2017 4:14:37 PM	63.001	1.691	11.397	1.213
6/22/2017 4:14:38 PM	64.001	1.690	11.398	1.214
6/22/2017 4:14:39 PM	65.001	1.693	11.398	1.208
6/22/2017 4:14:40 PM	66.001	1.695	11.399	1.203
6/22/2017 4:14:41 PM	67.001	1.696	11.404	1.201
6/22/2017 4:14:42 PM	68.001	1.698	11.406	1.197
6/22/2017 4:14:43 PM	69.001	1.699	11.406	1.193
6/22/2017 4:14:44 PM	70.001	1.702	11.406	1.187
6/22/2017 4:14:45 PM	71.001	1.701	11.406	1.189
6/22/2017 4:14:46 PM	72.001	1.705	11.411	1.181
6/22/2017 4:14:47 PM	73.001	1.706	11.410	1.178
6/22/2017 4:14:48 PM	74.001	1.708	11.411	1.173
6/22/2017 4:14:49 PM	75.001	1.710	11.412	1.168
6/22/2017 4:14:50 PM	76.001	1.710	11.413	1.168
6/22/2017 4:14:51 PM	77.001	1.713	11.413	1.162
6/22/2017 4:14:52 PM	78.001	1.713	11.418	1.161
6/22/2017 4:14:53 PM	79.001	1.715	11.416	1.158
6/22/2017 4:14:54 PM	80.001	1.716	11.415	1.155
6/22/2017 4:14:55 PM	81.001	1.716	11.422	1.154
6/22/2017 4:14:56 PM	82.001	1.716	11.417	1.155
6/22/2017 4:14:57 PM	83.001	1.718	11.418	1.151
6/22/2017 4:14:58 PM	84.001	1.718	11.416	1.150
6/22/2017 4:14:59 PM	85.001	1.720	11.419	1.146
6/22/2017 4:15:00 PM	86.001	1.721	11.421	1.143
6/22/2017 4:15:01 PM	87.001	1.721	11.419	1.144
6/22/2017 4:15:02 PM	88.001	1.721	11.420	1.143
6/22/2017 4:15:03 PM	89.001	1.722	11.418	1.142
6/22/2017 4:15:04 PM	90.001	1.722	11.419	1.141
6/22/2017 4:15:05 PM	91.001	1.723	11.422	1.138
6/22/2017 4:15:06 PM	92.001	1.725	11.421	1.134
6/22/2017 4:15:07 PM	93.001	1.723	11.424	1.138
6/22/2017 4:15:08 PM	94.001	1.725	11.422	1.133
6/22/2017 4:15:09 PM	95.001	1.726	11.422	1.132
6/22/2017 4:15:10 PM	96.001	1.726	11.425	1.131
6/22/2017 4:15:11 PM	97.001	1.727	11.425	1.130
6/22/2017 4:15:12 PM	98.001	1.729	11.424	1.126
6/22/2017 4:15:13 PM	99.001	1.729	11.426	1.125
6/22/2017 4:15:14 PM	100.001	1.730	11.423	1.122
6/22/2017 4:15:15 PM	101.001	1.729	11.429	1.124
6/22/2017 4:15:16 PM	102.001	1.730	11.426	1.122
6/22/2017 4:15:17 PM	103.001	1.731	11.427	1.119
6/22/2017 4:15:18 PM	104.001	1.733	11.431	1.115
6/22/2017 4:15:19 PM	105.001	1.734	11.432	1.113
6/22/2017 4:15:20 PM	106.001	1.740	11.432	1.100
6/22/2017 4:15:21 PM	107.001	1.741	11.432	1.097
6/22/2017 4:15:22 PM	108.001	1.747	11.433	1.083

6/22/2017 4:15:23 PM	109.001	1.744	11.432	1.089
6/22/2017 4:15:24 PM	110.001	1.748	11.433	1.080
6/22/2017 4:15:25 PM	111.001	1.750	11.434	1.076
6/22/2017 4:15:26 PM	112.001	1.750	11.435	1.076
6/22/2017 4:15:27 PM	113.001	1.749	11.434	1.079
6/22/2017 4:15:28 PM	114.001	1.749	11.436	1.078
6/22/2017 4:15:29 PM	115.001	1.749	11.434	1.079
6/22/2017 4:15:30 PM	116.001	1.749	11.438	1.078
6/22/2017 4:15:31 PM	117.001	1.749	11.432	1.080
6/22/2017 4:15:32 PM	118.001	1.750	11.436	1.075
6/22/2017 4:15:33 PM	119.001	1.754	11.434	1.068
6/22/2017 4:15:34 PM	120.001	1.754	11.436	1.068
6/22/2017 4:20:34 PM	420.001	1.801	11.455	0.957
6/22/2017 4:25:34 PM	720.001	1.823	11.492	0.907
6/22/2017 4:30:34 PM	1020.001	1.839	11.520	0.870
6/22/2017 4:35:34 PM	1320.001	1.849	11.526	0.848
6/22/2017 4:40:34 PM	1620.001	1.859	11.504	0.826
6/22/2017 4:45:34 PM	1920.001	1.867	11.488	0.807
6/22/2017 4:50:34 PM	2220.001	1.876	11.467	0.786
6/22/2017 4:55:34 PM	2520.001	1.883	11.449	0.770
6/22/2017 5:00:34 PM	2820.001	1.889	11.428	0.756
6/22/2017 5:05:34 PM	3120.001	1.895	11.407	0.742
6/22/2017 5:10:34 PM	3420.001	1.902	11.391	0.725
6/22/2017 5:15:34 PM	3720.001	1.908	11.380	0.712
6/22/2017 5:20:34 PM	4020.001	1.913	11.370	0.700
6/22/2017 5:25:34 PM	4320.001	1.917	11.369	0.690
6/22/2017 5:30:34 PM	4620.001	1.922	11.368	0.678
6/22/2017 5:35:34 PM	4920.001	1.929	11.374	0.664
6/22/2017 5:40:34 PM	5220.001	1.934	11.383	0.651
6/22/2017 5:45:34 PM	5520.001	1.938	11.384	0.643
6/22/2017 5:50:34 PM	5820.001	1.943	11.390	0.631
6/22/2017 5:55:34 PM	6120.001	1.948	11.385	0.618
6/22/2017 6:00:34 PM	6420.001	1.953	11.385	0.609
6/22/2017 6:05:34 PM	6720.001	1.957	11.377	0.599
6/22/2017 6:10:34 PM	7020.001	1.962	11.376	0.588
6/22/2017 6:15:34 PM	7320.001	1.966	11.374	0.577
6/22/2017 6:20:34 PM	7620.001	1.970	11.370	0.567
6/22/2017 6:25:34 PM	7920.001	1.974	11.373	0.559
6/22/2017 6:30:34 PM	8220.001	1.979	11.363	0.547
6/22/2017 6:35:34 PM	8520.001	1.984	11.365	0.537
6/22/2017 6:40:34 PM	8820.001	1.988	11.358	0.528
6/22/2017 6:45:34 PM	9120.001	1.991	11.360	0.519
6/22/2017 6:50:34 PM	9420.001	1.996	11.362	0.508
6/22/2017 6:55:34 PM	9720.001	2.001	11.358	0.497
6/22/2017 7:00:34 PM	10020.001	2.005	11.356	0.488
6/22/2017 7:05:34 PM	10320.001	2.008	11.356	0.481
6/22/2017 7:10:34 PM	10620.001	2.013	11.354	0.468
6/22/2017 7:15:34 PM	10920.001	2.018	11.354	0.458
6/22/2017 7:20:34 PM	11220.001	2.024	11.352	0.444
6/22/2017 7:25:34 PM	11520.001	2.028	11.347	0.433
6/22/2017 7:30:34 PM	11820.001	2.033	11.343	0.422
6/22/2017 7:35:34 PM	12120.001	2.039	11.345	0.410
6/22/2017 7:40:34 PM	12420.001	2.043	11.342	0.400
6/22/2017 7:45:34 PM	12720.001	2.047	11.345	0.390
6/22/2017 7:50:34 PM	13020.001	2.050	11.345	0.384
6/22/2017 7:55:34 PM	13320.001	2.055	11.342	0.371
6/22/2017 8:00:34 PM	13620.001	2.058	11.342	0.365
6/22/2017 8:05:34 PM	13920.001	2.064	11.341	0.351
6/22/2017 8:10:34 PM	14220.001	2.066	11.339	0.346
6/22/2017 8:15:34 PM	14520.001	2.068	11.338	0.341
6/22/2017 8:20:34 PM	14820.001	2.070	11.336	0.338
6/22/2017 8:25:34 PM	15120.001	2.073	11.339	0.331
6/22/2017 8:30:34 PM	15420.001	2.078	11.338	0.318

6/22/2017 8:35:34 PM	15720.001	2.080	11.338	0.315
6/22/2017 8:40:34 PM	16020.001	2.083	11.339	0.308
6/22/2017 8:45:34 PM	16320.001	2.085	11.336	0.302
6/22/2017 8:50:34 PM	16620.001	2.088	11.336	0.296
6/22/2017 8:55:34 PM	16920.001	2.090	11.333	0.292
6/22/2017 9:00:34 PM	17220.001	2.091	11.335	0.289
6/22/2017 9:05:34 PM	17520.001	2.096	11.336	0.276
6/22/2017 9:10:34 PM	17820.001	2.096	11.336	0.277
6/22/2017 9:15:34 PM	18120.001	2.098	11.337	0.272
6/22/2017 9:20:34 PM	18420.001	2.098	11.338	0.272
6/22/2017 9:25:34 PM	18720.001	2.103	11.338	0.260
6/22/2017 9:30:34 PM	19020.001	2.104	11.339	0.258
6/22/2017 9:35:34 PM	19320.001	2.109	11.339	0.248
6/22/2017 9:40:34 PM	19620.001	2.108	11.338	0.250
6/22/2017 9:45:34 PM	19920.001	2.110	11.339	0.245
6/22/2017 9:50:34 PM	20220.001	2.111	11.340	0.244
6/22/2017 9:55:34 PM	20520.001	2.112	11.335	0.240
6/22/2017 10:00:34 PM	20820.001	2.115	11.340	0.233
6/22/2017 10:05:34 PM	21120.001	2.116	11.340	0.232
6/22/2017 10:10:34 PM	21420.001	2.092	11.341	0.287
6/22/2017 10:15:34 PM	21720.001	2.094	11.340	0.283
6/22/2017 10:20:34 PM	22020.001	2.097	11.338	0.275
6/22/2017 10:25:34 PM	22320.001	2.101	11.337	0.267
6/22/2017 10:30:34 PM	22620.001	2.103	11.337	0.261
6/22/2017 10:35:34 PM	22920.001	2.104	11.337	0.258
6/22/2017 10:40:34 PM	23220.001	2.107	11.336	0.252
6/22/2017 10:45:34 PM	23520.001	2.110	11.339	0.246
6/22/2017 10:50:34 PM	23820.001	2.112	11.340	0.240
6/22/2017 10:55:34 PM	24120.001	2.113	11.343	0.239
6/22/2017 11:00:34 PM	24420.001	2.115	11.342	0.232
6/22/2017 11:05:34 PM	24720.001	2.117	11.341	0.228
6/22/2017 11:10:34 PM	25020.001	2.117	11.341	0.228
6/22/2017 11:15:34 PM	25320.001	2.119	11.340	0.225
6/22/2017 11:20:34 PM	25620.001	2.121	11.342	0.219
6/22/2017 11:25:34 PM	25920.001	2.122	11.342	0.216
6/22/2017 11:30:34 PM	26220.001	2.125	11.339	0.211
6/22/2017 11:35:34 PM	26520.001	2.125	11.342	0.211
6/22/2017 11:40:34 PM	26820.001	2.127	11.343	0.205
6/22/2017 11:45:34 PM	27120.001	2.129	11.344	0.201
6/22/2017 11:50:34 PM	27420.001	2.129	11.344	0.201
6/22/2017 11:55:34 PM	27720.001	2.131	11.347	0.198
6/23/2017 12:00:34 AM	28020.001	2.131	11.345	0.196
6/23/2017 12:05:34 AM	28320.001	2.133	11.345	0.191
6/23/2017 12:10:34 AM	28620.001	2.133	11.345	0.192
6/23/2017 12:15:34 AM	28920.001	2.135	11.345	0.187
6/23/2017 12:20:34 AM	29220.001	2.135	11.344	0.187
6/23/2017 12:25:34 AM	29520.001	2.137	11.343	0.182
6/23/2017 12:30:34 AM	29820.001	2.138	11.344	0.180
6/23/2017 12:35:34 AM	30120.001	2.139	11.342	0.179
6/23/2017 12:40:34 AM	30420.001	2.140	11.342	0.177
6/23/2017 12:45:34 AM	30720.001	2.141	11.342	0.173
6/23/2017 12:50:34 AM	31020.001	2.140	11.345	0.175
6/23/2017 12:55:34 AM	31320.001	2.143	11.343	0.169
6/23/2017 1:00:34 AM	31620.001	2.146	11.343	0.162
6/23/2017 1:05:34 AM	31920.001	2.145	11.343	0.164
6/23/2017 1:10:34 AM	32220.001	2.147	11.342	0.160
6/23/2017 1:15:34 AM	32520.001	2.147	11.338	0.159
6/23/2017 1:20:34 AM	32820.001	2.147	11.342	0.159
6/23/2017 1:25:34 AM	33120.001	2.150	11.341	0.154
6/23/2017 1:30:34 AM	33420.001	2.149	11.341	0.156
6/23/2017 1:35:34 AM	33720.001	2.151	11.342	0.151
6/23/2017 1:40:34 AM	34020.001	2.151	11.340	0.149
6/23/2017 1:45:34 AM	34320.001	2.152	11.342	0.149

6/23/2017 1:50:34 AM	34620.001	2.154	11.342	0.144
6/23/2017 1:55:34 AM	34920.001	2.157	11.343	0.137
6/23/2017 2:00:34 AM	35220.001	2.156	11.340	0.139
6/23/2017 2:05:34 AM	35520.001	2.156	11.342	0.138
6/23/2017 2:10:34 AM	35820.001	2.159	11.336	0.132
6/23/2017 2:15:34 AM	36120.001	2.157	11.343	0.136

Report Date: 7/10/2017 9:25:35 AM
Report User Name: dalmond
Report Computer Name: PINEWRKMA25-PC
Application: WinSitu.exe
Application Version: 5.6.25.0

Log File Properties:
File Name: CH-MW-021 RH2_2017-07-10_09-25-28-126.wsl
Create Date: 7/10/2017 9:25:26 AM

Device Properties:
Device: Level TROLL 700
Site: Camp Hero
Device Name: Level Troll 700
Serial Number: 402202
Firmware Version: 3.02
Hardware Version: 4
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 26
Used Battery(%): 12

Log Configuration
Log Name: CH-MW-021 RH2
Created By: Unknown
Computer Name: Pocket PC
Application: WinSituMobile.exe
Application Version: 5.6.0.10
Create Date: 3/9/2006 4:35:47 AM Eastern Standard Time
Log Setup Time Zone: Eastern Standard Time
Notes Size(bytes): 4096
Overwrite when full: Disabled
Scheduled Start Time: Manual Start
Scheduled Stop Time: No Stop Time
Type: Step Test
Steps: 2 (Linear)
Step: 1
Duration: Days: 0 hrs: 00 mins: 05 secs: 00
Interval: Days: 0 hrs: 00 mins: 00 secs: 01
Step: 2
Duration: Days: 0 hrs: 17 mins: 00 secs: 00
Interval: Days: 0 hrs: 00 mins: 01 secs: 00

Level Reference Settings At Log Creation
Level Measurement Mode: Level Depth To Water
Specific Gravity: 0.999
Level Reference Mode: Set new reference
Level Reference Value: 0 (ft)
Level Reference Head Pressure: 3.2986 (PSI)

Other Log Settings
Pressure Offset: 0.00335646 (PSI)
Depth of Probe: 7.61062 (ft)
Head Pressure: 3.29611 (PSI)
Temperature: 11.5419 (C)

Log Notes:

Date and Time	Note
6/27/2017 10:16:08 AM	Used Battery: 12% Used Memory: 28% User Name: Unknown
6/27/2017 10:17:13 AM	Manual Start Command

Log Data:
Record Count: 1321
Sensors: 1
1 - 402202: Pressure/Temp 30 PSIG (21m/69ft)
Time Zone: Eastern Daylight Time

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 69ft SN#: 402202 Pressure (PSI)	Sensor: Pres(G) 69ft SN#: 402202 Temperature (C)	Sensor: Pres(G) 69ft SN#: 402202 Level Depth To Water (ft)
6/27/2017 10:17:13 AM	0.000	3.301	11.513	-0.005
6/27/2017 10:17:14 AM	1.000	3.301	11.505	-0.005
6/27/2017 10:17:15 AM	2.000	3.299	11.507	-0.001
6/27/2017 10:17:16 AM	3.000	3.299	11.498	-0.000
6/27/2017 10:17:17 AM	4.000	3.301	11.521	-0.006
6/27/2017 10:17:18 AM	5.000	3.297	11.531	0.005
6/27/2017 10:17:19 AM	6.000	3.300	11.513	-0.004
6/27/2017 10:17:20 AM	7.000	3.298	11.537	0.002
6/27/2017 10:17:21 AM	8.000	3.300	11.544	-0.002
6/27/2017 10:17:22 AM	9.000	3.299	11.534	-0.000
6/27/2017 10:17:23 AM	10.000	3.304	11.501	-0.011
6/27/2017 10:17:24 AM	11.000	3.300	11.522	-0.004
6/27/2017 10:17:25 AM	12.000	3.279	11.528	0.045
6/27/2017 10:17:26 AM	13.000	3.062	11.515	0.547
6/27/2017 10:17:27 AM	14.000	3.072	11.516	0.524
6/27/2017 10:17:28 AM	15.000	3.071	11.535	0.526
6/27/2017 10:17:29 AM	16.000	3.077	11.521	0.512
6/27/2017 10:17:30 AM	17.000	3.077	11.521	0.511
6/27/2017 10:17:31 AM	18.000	3.081	11.513	0.502
6/27/2017 10:17:32 AM	19.000	3.085	11.522	0.492
6/27/2017 10:17:33 AM	20.000	3.086	11.519	0.491
6/27/2017 10:17:34 AM	21.000	3.084	11.547	0.495
6/27/2017 10:17:35 AM	22.000	3.092	11.483	0.477
6/27/2017 10:17:36 AM	23.000	3.092	11.510	0.478
6/27/2017 10:17:37 AM	24.000	3.095	11.524	0.470
6/27/2017 10:17:38 AM	25.000	3.097	11.527	0.465
6/27/2017 10:17:39 AM	26.000	3.098	11.518	0.462
6/27/2017 10:17:40 AM	27.000	3.099	11.531	0.462
6/27/2017 10:17:41 AM	28.000	3.099	11.554	0.461
6/27/2017 10:17:42 AM	29.000	3.108	11.539	0.440
6/27/2017 10:17:43 AM	30.000	3.105	11.522	0.447
6/27/2017 10:17:44 AM	31.000	3.107	11.546	0.442
6/27/2017 10:17:45 AM	32.000	3.106	11.527	0.445
6/27/2017 10:17:46 AM	33.000	3.109	11.510	0.437
6/27/2017 10:17:47 AM	34.000	3.113	11.510	0.428
6/27/2017 10:17:48 AM	35.013	3.114	11.512	0.426
6/27/2017 10:17:49 AM	36.000	3.115	11.517	0.425
6/27/2017 10:17:50 AM	37.000	3.114	11.537	0.426
6/27/2017 10:17:51 AM	38.000	3.118	11.530	0.418
6/27/2017 10:17:52 AM	39.000	3.119	11.524	0.414
6/27/2017 10:17:53 AM	40.000	3.121	11.540	0.409
6/27/2017 10:17:54 AM	41.000	3.122	11.507	0.407
6/27/2017 10:17:55 AM	42.000	3.123	11.543	0.405
6/27/2017 10:17:56 AM	43.000	3.125	11.532	0.400
6/27/2017 10:17:57 AM	44.000	3.125	11.515	0.400

6/27/2017 10:17:58 AM	45.000	3.128	11.494	0.395
6/27/2017 10:17:59 AM	46.000	3.130	11.493	0.389
6/27/2017 10:18:00 AM	47.000	3.130	11.554	0.389
6/27/2017 10:18:01 AM	48.000	3.129	11.539	0.393
6/27/2017 10:18:02 AM	49.000	3.133	11.540	0.383
6/27/2017 10:18:03 AM	50.000	3.134	11.508	0.381
6/27/2017 10:18:04 AM	51.000	3.134	11.519	0.381
6/27/2017 10:18:05 AM	52.000	3.136	11.535	0.376
6/27/2017 10:18:06 AM	53.000	3.139	11.529	0.370
6/27/2017 10:18:07 AM	54.000	3.139	11.526	0.369
6/27/2017 10:18:08 AM	55.000	3.139	11.527	0.368
6/27/2017 10:18:09 AM	56.000	3.140	11.521	0.367
6/27/2017 10:18:10 AM	57.000	3.141	11.513	0.364
6/27/2017 10:18:11 AM	58.000	3.143	11.510	0.360
6/27/2017 10:18:12 AM	59.000	3.143	11.506	0.359
6/27/2017 10:18:13 AM	60.000	3.143	11.522	0.360
6/27/2017 10:18:14 AM	61.000	3.144	11.519	0.358
6/27/2017 10:18:15 AM	62.000	3.145	11.504	0.355
6/27/2017 10:18:16 AM	63.000	3.143	11.529	0.358
6/27/2017 10:18:17 AM	64.000	3.147	11.520	0.350
6/27/2017 10:18:18 AM	65.000	3.148	11.557	0.347
6/27/2017 10:18:19 AM	66.000	3.146	11.506	0.352
6/27/2017 10:18:20 AM	67.000	3.151	11.555	0.341
6/27/2017 10:18:21 AM	68.000	3.146	11.539	0.353
6/27/2017 10:18:22 AM	69.000	3.156	11.549	0.328
6/27/2017 10:18:23 AM	70.000	3.155	11.521	0.332
6/27/2017 10:18:24 AM	71.000	3.158	11.535	0.326
6/27/2017 10:18:25 AM	72.000	3.159	11.521	0.321
6/27/2017 10:18:26 AM	73.000	3.144	11.524	0.358
6/27/2017 10:18:27 AM	74.000	3.138	11.515	0.372
6/27/2017 10:18:28 AM	75.000	3.134	11.513	0.379
6/27/2017 10:18:29 AM	76.000	3.136	11.521	0.376
6/27/2017 10:18:30 AM	77.000	3.137	11.517	0.372
6/27/2017 10:18:31 AM	78.000	3.139	11.521	0.369
6/27/2017 10:18:32 AM	79.000	3.139	11.548	0.370
6/27/2017 10:18:33 AM	80.000	3.138	11.520	0.371
6/27/2017 10:18:34 AM	81.000	3.143	11.576	0.359
6/27/2017 10:18:35 AM	82.000	3.139	11.521	0.368
6/27/2017 10:18:36 AM	83.000	3.141	11.548	0.363
6/27/2017 10:18:37 AM	84.000	3.142	11.507	0.363
6/27/2017 10:18:38 AM	85.000	3.139	11.496	0.368
6/27/2017 10:18:39 AM	86.000	3.141	11.527	0.364
6/27/2017 10:18:40 AM	87.000	3.144	11.539	0.358
6/27/2017 10:18:41 AM	88.000	3.144	11.524	0.358
6/27/2017 10:18:42 AM	89.000	3.142	11.529	0.361
6/27/2017 10:18:43 AM	90.000	3.145	11.530	0.356
6/27/2017 10:18:44 AM	91.000	3.146	11.547	0.352
6/27/2017 10:18:45 AM	92.000	3.145	11.532	0.354
6/27/2017 10:18:46 AM	93.000	3.143	11.539	0.360
6/27/2017 10:18:47 AM	94.000	3.145	11.537	0.355
6/27/2017 10:18:48 AM	95.000	3.146	11.539	0.353
6/27/2017 10:18:49 AM	96.000	3.145	11.543	0.354
6/27/2017 10:18:50 AM	97.000	3.147	11.556	0.350
6/27/2017 10:18:51 AM	98.000	3.146	11.540	0.351
6/27/2017 10:18:52 AM	99.000	3.146	11.528	0.353
6/27/2017 10:18:53 AM	100.000	3.147	11.548	0.349
6/27/2017 10:18:54 AM	101.000	3.147	11.513	0.351
6/27/2017 10:18:55 AM	102.000	3.147	11.516	0.351
6/27/2017 10:18:56 AM	103.000	3.150	11.507	0.343
6/27/2017 10:18:57 AM	104.000	3.145	11.519	0.354
6/27/2017 10:18:58 AM	105.000	3.150	11.542	0.344
6/27/2017 10:18:59 AM	106.000	3.150	11.511	0.343
6/27/2017 10:19:00 AM	107.000	3.150	11.532	0.343

6/27/2017 10:19:01 AM	108.000	3.149	11.522	0.345
6/27/2017 10:19:02 AM	109.000	3.147	11.534	0.350
6/27/2017 10:19:03 AM	110.000	3.149	11.540	0.346
6/27/2017 10:19:04 AM	111.000	3.150	11.532	0.344
6/27/2017 10:19:05 AM	112.000	3.148	11.529	0.348
6/27/2017 10:19:06 AM	113.000	3.149	11.539	0.344
6/27/2017 10:19:07 AM	114.000	3.149	11.542	0.345
6/27/2017 10:19:08 AM	115.000	3.153	11.546	0.337
6/27/2017 10:19:09 AM	116.000	3.150	11.543	0.342
6/27/2017 10:19:10 AM	117.000	3.149	11.515	0.344
6/27/2017 10:19:11 AM	118.000	3.147	11.535	0.350
6/27/2017 10:19:12 AM	119.000	3.152	11.532	0.338
6/27/2017 10:19:13 AM	120.000	3.150	11.538	0.343
6/27/2017 10:19:14 AM	121.000	3.153	11.557	0.337
6/27/2017 10:19:15 AM	122.000	3.151	11.554	0.341
6/27/2017 10:19:16 AM	123.000	3.153	11.545	0.337
6/27/2017 10:19:17 AM	124.000	3.148	11.530	0.348
6/27/2017 10:19:18 AM	125.000	3.151	11.501	0.341
6/27/2017 10:19:19 AM	126.000	3.152	11.539	0.339
6/27/2017 10:19:20 AM	127.000	3.151	11.548	0.342
6/27/2017 10:19:21 AM	128.000	3.151	11.534	0.341
6/27/2017 10:19:22 AM	129.000	3.151	11.543	0.341
6/27/2017 10:19:23 AM	130.000	3.153	11.544	0.337
6/27/2017 10:19:24 AM	131.000	3.151	11.550	0.341
6/27/2017 10:19:25 AM	132.000	3.152	11.549	0.338
6/27/2017 10:19:26 AM	133.000	3.154	11.544	0.334
6/27/2017 10:19:27 AM	134.000	3.150	11.552	0.343
6/27/2017 10:19:28 AM	135.000	3.152	11.539	0.338
6/27/2017 10:19:29 AM	136.000	3.154	11.526	0.333
6/27/2017 10:19:30 AM	137.000	3.151	11.528	0.341
6/27/2017 10:19:31 AM	138.000	3.157	11.538	0.327
6/27/2017 10:19:32 AM	139.000	3.152	11.533	0.339
6/27/2017 10:19:33 AM	140.000	3.154	11.553	0.333
6/27/2017 10:19:34 AM	141.000	3.152	11.551	0.339
6/27/2017 10:19:35 AM	142.000	3.151	11.509	0.341
6/27/2017 10:19:36 AM	143.000	3.153	11.540	0.336
6/27/2017 10:19:37 AM	144.000	3.155	11.540	0.331
6/27/2017 10:19:38 AM	145.000	3.153	11.520	0.337
6/27/2017 10:19:39 AM	146.000	3.153	11.540	0.336
6/27/2017 10:19:40 AM	147.000	3.153	11.527	0.337
6/27/2017 10:19:41 AM	148.000	3.156	11.531	0.330
6/27/2017 10:19:42 AM	149.000	3.151	11.537	0.340
6/27/2017 10:19:43 AM	150.000	3.152	11.504	0.339
6/27/2017 10:19:44 AM	151.000	3.154	11.521	0.333
6/27/2017 10:19:45 AM	152.000	3.155	11.541	0.333
6/27/2017 10:19:46 AM	153.000	3.152	11.539	0.339
6/27/2017 10:19:47 AM	154.000	3.153	11.549	0.337
6/27/2017 10:19:48 AM	155.000	3.154	11.524	0.333
6/27/2017 10:19:49 AM	156.000	3.153	11.543	0.337
6/27/2017 10:19:50 AM	157.000	3.154	11.530	0.333
6/27/2017 10:19:51 AM	158.000	3.156	11.554	0.329
6/27/2017 10:19:52 AM	159.000	3.156	11.556	0.329
6/27/2017 10:19:53 AM	160.000	3.155	11.535	0.331
6/27/2017 10:19:54 AM	161.000	3.155	11.543	0.332
6/27/2017 10:19:55 AM	162.000	3.160	11.541	0.321
6/27/2017 10:19:56 AM	163.000	3.157	11.528	0.327
6/27/2017 10:19:57 AM	164.000	3.156	11.543	0.328
6/27/2017 10:19:58 AM	165.000	3.155	11.533	0.332
6/27/2017 10:19:59 AM	166.000	3.154	11.523	0.334
6/27/2017 10:20:00 AM	167.000	3.156	11.532	0.329
6/27/2017 10:20:01 AM	168.000	3.157	11.544	0.327
6/27/2017 10:20:02 AM	169.000	3.156	11.521	0.330
6/27/2017 10:20:03 AM	170.000	3.157	11.541	0.328

6/27/2017 10:20:04 AM	171.000	3.157	11.524	0.328
6/27/2017 10:20:05 AM	172.000	3.154	11.521	0.333
6/27/2017 10:20:06 AM	173.000	3.158	11.556	0.324
6/27/2017 10:20:07 AM	174.000	3.157	11.540	0.328
6/27/2017 10:20:08 AM	175.000	3.157	11.551	0.328
6/27/2017 10:20:09 AM	176.000	3.158	11.557	0.325
6/27/2017 10:20:10 AM	177.000	3.158	11.546	0.326
6/27/2017 10:20:11 AM	178.000	3.154	11.553	0.333
6/27/2017 10:20:12 AM	179.000	3.156	11.519	0.329
6/27/2017 10:20:13 AM	180.000	3.154	11.548	0.333
6/27/2017 10:20:14 AM	181.000	3.158	11.562	0.325
6/27/2017 10:20:15 AM	182.000	3.157	11.488	0.326
6/27/2017 10:20:16 AM	183.000	3.157	11.506	0.328
6/27/2017 10:20:17 AM	184.000	3.156	11.537	0.328
6/27/2017 10:20:18 AM	185.000	3.157	11.531	0.326
6/27/2017 10:20:19 AM	186.000	3.154	11.566	0.333
6/27/2017 10:20:20 AM	187.000	3.154	11.529	0.333
6/27/2017 10:20:21 AM	188.000	3.156	11.540	0.329
6/27/2017 10:20:22 AM	189.000	3.158	11.546	0.324
6/27/2017 10:20:23 AM	190.000	3.157	11.543	0.327
6/27/2017 10:20:24 AM	191.000	3.156	11.535	0.328
6/27/2017 10:20:25 AM	192.000	3.158	11.542	0.324
6/27/2017 10:20:26 AM	193.000	3.158	11.529	0.325
6/27/2017 10:20:27 AM	194.000	3.158	11.537	0.326
6/27/2017 10:20:28 AM	195.000	3.159	11.560	0.321
6/27/2017 10:20:29 AM	196.000	3.157	11.556	0.327
6/27/2017 10:20:30 AM	197.000	3.158	11.508	0.325
6/27/2017 10:20:31 AM	198.000	3.155	11.548	0.332
6/27/2017 10:20:32 AM	199.000	3.156	11.541	0.330
6/27/2017 10:20:33 AM	200.000	3.159	11.544	0.322
6/27/2017 10:20:34 AM	201.000	3.159	11.559	0.322
6/27/2017 10:20:35 AM	202.000	3.157	11.548	0.326
6/27/2017 10:20:36 AM	203.000	3.158	11.546	0.324
6/27/2017 10:20:37 AM	204.000	3.159	11.535	0.323
6/27/2017 10:20:38 AM	205.000	3.157	11.530	0.327
6/27/2017 10:20:39 AM	206.000	3.160	11.540	0.321
6/27/2017 10:20:40 AM	207.000	3.158	11.562	0.325
6/27/2017 10:20:41 AM	208.000	3.156	11.580	0.330
6/27/2017 10:20:42 AM	209.000	3.156	11.530	0.330
6/27/2017 10:20:43 AM	210.000	3.156	11.537	0.329
6/27/2017 10:20:44 AM	211.000	3.158	11.550	0.325
6/27/2017 10:20:45 AM	212.000	3.158	11.529	0.324
6/27/2017 10:20:46 AM	213.000	3.160	11.535	0.320
6/27/2017 10:20:47 AM	214.000	3.156	11.530	0.330
6/27/2017 10:20:48 AM	215.000	3.159	11.532	0.322
6/27/2017 10:20:49 AM	216.000	3.159	11.535	0.322
6/27/2017 10:20:50 AM	217.000	3.159	11.557	0.323
6/27/2017 10:20:51 AM	218.000	3.157	11.541	0.326
6/27/2017 10:20:52 AM	219.000	3.160	11.526	0.320
6/27/2017 10:20:53 AM	220.000	3.158	11.562	0.324
6/27/2017 10:20:54 AM	221.000	3.159	11.557	0.323
6/27/2017 10:20:55 AM	222.000	3.161	11.557	0.317
6/27/2017 10:20:56 AM	223.000	3.161	11.555	0.319
6/27/2017 10:20:57 AM	224.000	3.158	11.538	0.324
6/27/2017 10:20:58 AM	225.000	3.159	11.551	0.322
6/27/2017 10:20:59 AM	226.000	3.156	11.551	0.330
6/27/2017 10:21:00 AM	227.000	3.158	11.529	0.324
6/27/2017 10:21:01 AM	228.000	3.158	11.544	0.326
6/27/2017 10:21:02 AM	229.000	3.161	11.553	0.317
6/27/2017 10:21:03 AM	230.000	3.158	11.545	0.324
6/27/2017 10:21:04 AM	231.000	3.159	11.537	0.322
6/27/2017 10:21:05 AM	232.000	3.158	11.575	0.324
6/27/2017 10:21:06 AM	233.000	3.160	11.521	0.321

6/27/2017 10:21:07 AM	234.000	3.159	11.534	0.321
6/27/2017 10:21:08 AM	235.000	3.160	11.551	0.321
6/27/2017 10:21:09 AM	236.000	3.160	11.565	0.319
6/27/2017 10:21:10 AM	237.000	3.159	11.568	0.323
6/27/2017 10:21:11 AM	238.000	3.158	11.576	0.324
6/27/2017 10:21:12 AM	239.000	3.158	11.573	0.324
6/27/2017 10:21:13 AM	240.000	3.159	11.557	0.322
6/27/2017 10:21:14 AM	241.000	3.159	11.560	0.322
6/27/2017 10:21:15 AM	242.000	3.159	11.553	0.322
6/27/2017 10:21:16 AM	243.000	3.161	11.551	0.318
6/27/2017 10:21:17 AM	244.000	3.160	11.553	0.321
6/27/2017 10:21:18 AM	245.000	3.161	11.532	0.319
6/27/2017 10:21:19 AM	246.000	3.160	11.551	0.320
6/27/2017 10:21:20 AM	247.000	3.161	11.526	0.318
6/27/2017 10:21:21 AM	248.000	3.160	11.566	0.320
6/27/2017 10:21:22 AM	249.000	3.161	11.568	0.317
6/27/2017 10:21:23 AM	250.000	3.160	11.572	0.321
6/27/2017 10:21:24 AM	251.000	3.161	11.548	0.318
6/27/2017 10:21:25 AM	252.000	3.160	11.524	0.320
6/27/2017 10:21:26 AM	253.000	3.162	11.559	0.314
6/27/2017 10:21:27 AM	254.000	3.160	11.543	0.319
6/27/2017 10:21:28 AM	255.000	3.160	11.560	0.320
6/27/2017 10:21:29 AM	256.000	3.161	11.535	0.318
6/27/2017 10:21:30 AM	257.000	3.158	11.517	0.325
6/27/2017 10:21:31 AM	258.000	3.163	11.539	0.313
6/27/2017 10:21:32 AM	259.000	3.163	11.544	0.314
6/27/2017 10:21:33 AM	260.000	3.160	11.545	0.321
6/27/2017 10:21:34 AM	261.000	3.160	11.538	0.321
6/27/2017 10:21:35 AM	262.000	3.162	11.564	0.316
6/27/2017 10:21:36 AM	263.000	3.161	11.555	0.318
6/27/2017 10:21:37 AM	264.000	3.163	11.549	0.314
6/27/2017 10:21:38 AM	265.000	3.163	11.558	0.312
6/27/2017 10:21:39 AM	266.000	3.161	11.540	0.318
6/27/2017 10:21:40 AM	267.000	3.159	11.570	0.322
6/27/2017 10:21:41 AM	268.000	3.163	11.542	0.314
6/27/2017 10:21:42 AM	269.000	3.161	11.529	0.318
6/27/2017 10:21:43 AM	270.000	3.160	11.531	0.320
6/27/2017 10:21:44 AM	271.000	3.160	11.573	0.320
6/27/2017 10:21:45 AM	272.000	3.162	11.556	0.315
6/27/2017 10:21:46 AM	273.000	3.160	11.555	0.321
6/27/2017 10:21:47 AM	274.000	3.163	11.578	0.314
6/27/2017 10:21:48 AM	275.000	3.158	11.548	0.325
6/27/2017 10:21:49 AM	276.000	3.163	11.554	0.312
6/27/2017 10:21:50 AM	277.000	3.161	11.552	0.318
6/27/2017 10:21:51 AM	278.000	3.163	11.541	0.313
6/27/2017 10:21:52 AM	279.000	3.162	11.561	0.317
6/27/2017 10:21:53 AM	280.000	3.160	11.576	0.320
6/27/2017 10:21:54 AM	281.000	3.160	11.539	0.320
6/27/2017 10:21:55 AM	282.000	3.162	11.557	0.315
6/27/2017 10:21:56 AM	283.000	3.165	11.573	0.308
6/27/2017 10:21:57 AM	284.000	3.160	11.541	0.320
6/27/2017 10:21:58 AM	285.000	3.161	11.540	0.317
6/27/2017 10:21:59 AM	286.000	3.160	11.570	0.319
6/27/2017 10:22:00 AM	287.000	3.162	11.527	0.316
6/27/2017 10:22:01 AM	288.000	3.163	11.551	0.312
6/27/2017 10:22:02 AM	289.000	3.162	11.568	0.316
6/27/2017 10:22:03 AM	290.000	3.163	11.513	0.314
6/27/2017 10:22:04 AM	291.000	3.159	11.549	0.322
6/27/2017 10:22:05 AM	292.000	3.163	11.559	0.313
6/27/2017 10:22:06 AM	293.000	3.163	11.544	0.314
6/27/2017 10:22:07 AM	294.000	3.162	11.543	0.316
6/27/2017 10:22:08 AM	295.000	3.159	11.549	0.322
6/27/2017 10:22:09 AM	296.000	3.159	11.548	0.322

6/27/2017 10:22:10 AM	297.000	3.162	11.565	0.315
6/27/2017 10:22:11 AM	298.000	3.162	11.565	0.315
6/27/2017 10:22:12 AM	299.000	3.160	11.546	0.319
6/27/2017 10:22:13 AM	300.000	3.162	11.545	0.314
6/27/2017 10:23:13 AM	360.001	3.164	11.513	0.311
6/27/2017 10:24:13 AM	420.001	3.168	11.493	0.303
6/27/2017 10:25:13 AM	480.001	3.165	11.548	0.308
6/27/2017 10:26:13 AM	540.001	3.166	11.550	0.307
6/27/2017 10:27:13 AM	600.001	3.167	11.590	0.305
6/27/2017 10:28:13 AM	660.001	3.171	11.604	0.294
6/27/2017 10:29:13 AM	720.001	3.165	11.671	0.307
6/27/2017 10:30:13 AM	780.001	3.162	11.724	0.315
6/27/2017 10:31:13 AM	840.001	3.155	11.804	0.331
6/27/2017 10:32:13 AM	900.001	3.157	11.854	0.326
6/27/2017 10:33:13 AM	960.001	3.156	11.891	0.329
6/27/2017 10:34:13 AM	1020.001	3.152	11.897	0.339
6/27/2017 10:35:13 AM	1080.001	3.154	11.932	0.334
6/27/2017 10:36:13 AM	1140.001	3.149	11.913	0.346
6/27/2017 10:37:13 AM	1200.001	3.152	11.919	0.338
6/27/2017 10:38:13 AM	1260.001	3.151	11.920	0.341
6/27/2017 10:39:13 AM	1320.001	3.148	11.946	0.347
6/27/2017 10:40:13 AM	1380.001	3.150	11.933	0.344
6/27/2017 10:41:13 AM	1440.001	3.149	11.927	0.346
6/27/2017 10:42:13 AM	1500.001	3.148	11.930	0.348
6/27/2017 10:43:13 AM	1560.001	3.150	11.935	0.344
6/27/2017 10:44:13 AM	1620.001	3.151	11.933	0.342
6/27/2017 10:45:13 AM	1680.001	3.150	11.913	0.342
6/27/2017 10:46:13 AM	1740.001	3.150	11.906	0.342
6/27/2017 10:47:13 AM	1800.001	3.151	11.897	0.340
6/27/2017 10:48:13 AM	1860.001	3.152	11.883	0.338
6/27/2017 10:49:13 AM	1920.001	3.154	11.926	0.335
6/27/2017 10:50:13 AM	1980.001	3.152	11.901	0.338
6/27/2017 10:51:13 AM	2040.001	3.157	11.897	0.328
6/27/2017 10:52:13 AM	2100.001	3.156	11.869	0.328
6/27/2017 10:53:13 AM	2160.001	3.155	11.880	0.331
6/27/2017 10:54:13 AM	2220.001	3.156	11.858	0.329
6/27/2017 10:55:13 AM	2280.001	3.157	11.862	0.327
6/27/2017 10:56:13 AM	2340.001	3.159	11.869	0.322
6/27/2017 10:57:13 AM	2400.001	3.158	11.828	0.325
6/27/2017 10:58:13 AM	2460.001	3.157	11.825	0.327
6/27/2017 10:59:13 AM	2520.001	3.159	11.805	0.323
6/27/2017 11:00:13 AM	2580.001	3.162	11.803	0.315
6/27/2017 11:01:13 AM	2640.001	3.158	11.808	0.324
6/27/2017 11:02:13 AM	2700.001	3.160	11.793	0.320
6/27/2017 11:03:13 AM	2760.001	3.161	11.790	0.318
6/27/2017 11:04:13 AM	2820.001	3.163	11.819	0.313
6/27/2017 11:05:13 AM	2880.001	3.162	11.779	0.315
6/27/2017 11:06:13 AM	2940.001	3.162	11.786	0.315
6/27/2017 11:07:13 AM	3000.001	3.163	11.764	0.313
6/27/2017 11:08:13 AM	3060.001	3.165	11.754	0.308
6/27/2017 11:09:13 AM	3120.001	3.164	11.773	0.312
6/27/2017 11:10:13 AM	3180.001	3.167	11.745	0.304
6/27/2017 11:11:13 AM	3240.001	3.165	11.772	0.309
6/27/2017 11:12:13 AM	3300.001	3.167	11.731	0.304
6/27/2017 11:13:13 AM	3360.001	3.169	11.748	0.300
6/27/2017 11:14:13 AM	3420.001	3.167	11.731	0.304
6/27/2017 11:15:13 AM	3480.001	3.168	11.725	0.302
6/27/2017 11:16:13 AM	3540.001	3.166	11.709	0.307
6/27/2017 11:17:13 AM	3600.001	3.169	11.728	0.298
6/27/2017 11:18:13 AM	3660.001	3.171	11.691	0.295
6/27/2017 11:19:13 AM	3720.001	3.173	11.691	0.290
6/27/2017 11:20:13 AM	3780.001	3.168	11.736	0.300
6/27/2017 11:21:13 AM	3840.001	3.174	11.726	0.287

6/27/2017 11:22:13 AM	3900.001	3.173	11.678	0.289
6/27/2017 11:23:13 AM	3960.001	3.171	11.727	0.295
6/27/2017 11:24:13 AM	4020.001	3.170	11.700	0.297
6/27/2017 11:25:13 AM	4080.001	3.168	11.676	0.301
6/27/2017 11:26:13 AM	4140.001	3.171	11.680	0.296
6/27/2017 11:27:13 AM	4200.001	3.173	11.680	0.289
6/27/2017 11:28:13 AM	4260.001	3.171	11.689	0.296
6/27/2017 11:29:13 AM	4320.001	3.172	11.678	0.291
6/27/2017 11:30:13 AM	4380.001	3.175	11.701	0.286
6/27/2017 11:31:13 AM	4440.001	3.173	11.654	0.290
6/27/2017 11:32:13 AM	4500.001	3.171	11.682	0.294
6/27/2017 11:33:13 AM	4560.001	3.173	11.667	0.290
6/27/2017 11:34:13 AM	4620.001	3.171	11.684	0.295
6/27/2017 11:35:13 AM	4680.001	3.174	11.656	0.287
6/27/2017 11:36:13 AM	4740.001	3.173	11.651	0.289
6/27/2017 11:37:13 AM	4800.001	3.172	11.642	0.293
6/27/2017 11:38:13 AM	4860.001	3.175	11.671	0.286
6/27/2017 11:39:13 AM	4920.001	3.173	11.645	0.289
6/27/2017 11:40:13 AM	4980.001	3.176	11.635	0.283
6/27/2017 11:41:13 AM	5040.001	3.173	11.681	0.291
6/27/2017 11:42:13 AM	5100.001	3.178	11.650	0.278
6/27/2017 11:43:13 AM	5160.001	3.175	11.619	0.286
6/27/2017 11:44:13 AM	5220.001	3.175	11.641	0.285
6/27/2017 11:45:13 AM	5280.001	3.178	11.623	0.279
6/27/2017 11:46:13 AM	5340.001	3.178	11.645	0.280
6/27/2017 11:47:13 AM	5400.001	3.177	11.642	0.281
6/27/2017 11:48:13 AM	5460.001	3.181	11.650	0.272
6/27/2017 11:49:13 AM	5520.001	3.181	11.616	0.271
6/27/2017 11:50:13 AM	5580.001	3.181	11.629	0.272
6/27/2017 11:51:13 AM	5640.001	3.184	11.673	0.265
6/27/2017 11:52:13 AM	5700.001	3.180	11.634	0.274
6/27/2017 11:53:13 AM	5760.001	3.183	11.610	0.267
6/27/2017 11:54:13 AM	5820.001	3.186	11.635	0.261
6/27/2017 11:55:13 AM	5880.001	3.189	11.632	0.253
6/27/2017 11:56:13 AM	5940.001	3.190	11.648	0.251
6/27/2017 11:57:13 AM	6000.001	3.188	11.598	0.256
6/27/2017 11:58:13 AM	6060.001	3.190	11.605	0.250
6/27/2017 11:59:13 AM	6120.001	3.190	11.610	0.251
6/27/2017 12:00:13 PM	6180.001	3.188	11.674	0.256
6/27/2017 12:01:13 PM	6240.001	3.193	11.626	0.243
6/27/2017 12:02:13 PM	6300.001	3.193	11.621	0.243
6/27/2017 12:03:13 PM	6360.001	3.198	11.602	0.232
6/27/2017 12:04:13 PM	6420.001	3.198	11.618	0.233
6/27/2017 12:05:13 PM	6480.001	3.197	11.643	0.234
6/27/2017 12:06:13 PM	6540.001	3.200	11.613	0.228
6/27/2017 12:07:13 PM	6600.001	3.201	11.637	0.224
6/27/2017 12:08:13 PM	6660.001	3.201	11.615	0.226
6/27/2017 12:09:13 PM	6720.001	3.200	11.592	0.227
6/27/2017 12:10:13 PM	6780.001	3.200	11.605	0.227
6/27/2017 12:11:13 PM	6840.001	3.199	11.602	0.230
6/27/2017 12:12:13 PM	6900.001	3.195	11.632	0.240
6/27/2017 12:13:13 PM	6960.001	3.197	11.602	0.235
6/27/2017 12:14:13 PM	7020.001	3.195	11.637	0.240
6/27/2017 12:15:13 PM	7080.001	3.193	11.588	0.245
6/27/2017 12:16:13 PM	7140.001	3.194	11.632	0.241
6/27/2017 12:17:13 PM	7200.001	3.192	11.593	0.246
6/27/2017 12:18:13 PM	7260.001	3.193	11.602	0.243
6/27/2017 12:19:13 PM	7320.001	3.191	11.613	0.247
6/27/2017 12:20:13 PM	7380.001	3.192	11.600	0.247
6/27/2017 12:21:13 PM	7440.001	3.194	11.618	0.243
6/27/2017 12:22:13 PM	7500.001	3.193	11.598	0.245
6/27/2017 12:23:13 PM	7560.001	3.196	11.615	0.238
6/27/2017 12:24:13 PM	7620.001	3.195	11.618	0.238

6/27/2017 12:25:13 PM	7680.001	3.194	11.603	0.241
6/27/2017 12:26:13 PM	7740.001	3.193	11.587	0.243
6/27/2017 12:27:13 PM	7800.001	3.191	11.565	0.249
6/27/2017 12:28:13 PM	7860.001	3.187	11.604	0.257
6/27/2017 12:29:13 PM	7920.001	3.188	11.612	0.256
6/27/2017 12:30:13 PM	7980.001	3.182	11.584	0.270
6/27/2017 12:31:13 PM	8040.001	3.184	11.609	0.264
6/27/2017 12:32:13 PM	8100.001	3.182	11.615	0.269
6/27/2017 12:33:13 PM	8160.001	3.183	11.565	0.266
6/27/2017 12:34:13 PM	8220.001	3.185	11.582	0.263
6/27/2017 12:35:13 PM	8280.001	3.188	11.573	0.256
6/27/2017 12:36:13 PM	8340.001	3.186	11.613	0.259
6/27/2017 12:37:13 PM	8400.001	3.186	11.562	0.260
6/27/2017 12:38:13 PM	8460.001	3.189	11.583	0.252
6/27/2017 12:39:13 PM	8520.001	3.189	11.587	0.252
6/27/2017 12:40:13 PM	8580.001	3.192	11.578	0.246
6/27/2017 12:41:13 PM	8640.001	3.190	11.590	0.251
6/27/2017 12:42:13 PM	8700.001	3.187	11.579	0.258
6/27/2017 12:43:13 PM	8760.001	3.189	11.593	0.252
6/27/2017 12:44:13 PM	8820.001	3.189	11.611	0.253
6/27/2017 12:45:13 PM	8880.001	3.187	11.614	0.257
6/27/2017 12:46:13 PM	8940.001	3.188	11.591	0.254
6/27/2017 12:47:13 PM	9000.001	3.188	11.570	0.256
6/27/2017 12:48:13 PM	9060.001	3.188	11.573	0.255
6/27/2017 12:49:13 PM	9120.001	3.191	11.557	0.249
6/27/2017 12:50:13 PM	9180.001	3.190	11.584	0.250
6/27/2017 12:51:13 PM	9240.001	3.190	11.567	0.251
6/27/2017 12:52:13 PM	9300.001	3.189	11.590	0.252
6/27/2017 12:53:13 PM	9360.001	3.189	11.590	0.252
6/27/2017 12:54:13 PM	9420.001	3.191	11.579	0.249
6/27/2017 12:55:13 PM	9480.001	3.190	11.593	0.250
6/27/2017 12:56:13 PM	9540.001	3.189	11.612	0.253
6/27/2017 12:57:13 PM	9600.001	3.189	11.569	0.252
6/27/2017 12:58:13 PM	9660.001	3.188	11.598	0.254
6/27/2017 12:59:13 PM	9720.001	3.188	11.538	0.256
6/27/2017 1:00:13 PM	9780.001	3.190	11.573	0.250
6/27/2017 1:01:13 PM	9840.001	3.190	11.583	0.252
6/27/2017 1:02:13 PM	9900.001	3.187	11.557	0.258
6/27/2017 1:03:13 PM	9960.001	3.190	11.613	0.250
6/27/2017 1:04:13 PM	10020.001	3.189	11.570	0.252
6/27/2017 1:05:13 PM	10080.001	3.192	11.612	0.247
6/27/2017 1:06:13 PM	10140.001	3.190	11.572	0.251
6/27/2017 1:07:13 PM	10200.001	3.190	11.587	0.251
6/27/2017 1:08:13 PM	10260.001	3.189	11.575	0.253
6/27/2017 1:09:13 PM	10320.001	3.191	11.564	0.249
6/27/2017 1:10:13 PM	10380.001	3.189	11.573	0.252
6/27/2017 1:11:13 PM	10440.001	3.191	11.578	0.248
6/27/2017 1:12:13 PM	10500.001	3.191	11.575	0.249
6/27/2017 1:13:13 PM	10560.001	3.188	11.561	0.256
6/27/2017 1:14:13 PM	10620.001	3.188	11.573	0.256
6/27/2017 1:15:13 PM	10680.001	3.192	11.572	0.247
6/27/2017 1:16:13 PM	10740.001	3.190	11.557	0.251
6/27/2017 1:17:13 PM	10800.001	3.190	11.557	0.251
6/27/2017 1:18:13 PM	10860.001	3.193	11.555	0.243
6/27/2017 1:19:13 PM	10920.001	3.190	11.566	0.251
6/27/2017 1:20:13 PM	10980.001	3.191	11.597	0.248
6/27/2017 1:21:13 PM	11040.001	3.190	11.579	0.252
6/27/2017 1:22:13 PM	11100.001	3.188	11.581	0.255
6/27/2017 1:23:13 PM	11160.001	3.186	11.570	0.260
6/27/2017 1:24:13 PM	11220.001	3.188	11.587	0.256
6/27/2017 1:25:13 PM	11280.001	3.189	11.598	0.253
6/27/2017 1:26:13 PM	11340.001	3.186	11.581	0.260
6/27/2017 1:27:13 PM	11400.001	3.191	11.584	0.249

6/27/2017 1:28:13 PM	11460.001	3.190	11.577	0.252
6/27/2017 1:29:13 PM	11520.001	3.190	11.567	0.252
6/27/2017 1:30:13 PM	11580.001	3.189	11.544	0.252
6/27/2017 1:31:13 PM	11640.001	3.191	11.565	0.248
6/27/2017 1:32:13 PM	11700.001	3.191	11.573	0.249
6/27/2017 1:33:13 PM	11760.001	3.187	11.599	0.258
6/27/2017 1:34:13 PM	11820.001	3.187	11.587	0.259
6/27/2017 1:35:13 PM	11880.001	3.189	11.630	0.254
6/27/2017 1:36:13 PM	11940.001	3.188	11.571	0.255
6/27/2017 1:37:13 PM	12000.001	3.192	11.584	0.246
6/27/2017 1:38:13 PM	12060.001	3.190	11.554	0.250
6/27/2017 1:39:13 PM	12120.001	3.192	11.576	0.246
6/27/2017 1:40:13 PM	12180.001	3.191	11.576	0.248
6/27/2017 1:41:13 PM	12240.001	3.191	11.582	0.249
6/27/2017 1:42:13 PM	12300.001	3.191	11.597	0.248
6/27/2017 1:43:13 PM	12360.001	3.190	11.571	0.251
6/27/2017 1:44:13 PM	12420.001	3.191	11.549	0.248
6/27/2017 1:45:13 PM	12480.001	3.191	11.590	0.248
6/27/2017 1:46:13 PM	12540.001	3.192	11.559	0.246
6/27/2017 1:47:13 PM	12600.001	3.189	11.587	0.254
6/27/2017 1:48:13 PM	12660.001	3.190	11.575	0.250
6/27/2017 1:49:13 PM	12720.001	3.193	11.546	0.244
6/27/2017 1:50:13 PM	12780.001	3.191	11.590	0.249
6/27/2017 1:51:13 PM	12840.001	3.191	11.575	0.249
6/27/2017 1:52:13 PM	12900.001	3.192	11.575	0.246
6/27/2017 1:53:13 PM	12960.001	3.190	11.554	0.251
6/27/2017 1:54:13 PM	13020.001	3.191	11.586	0.249
6/27/2017 1:55:13 PM	13080.001	3.191	11.540	0.248
6/27/2017 1:56:13 PM	13140.001	3.188	11.566	0.256
6/27/2017 1:57:13 PM	13200.001	3.191	11.550	0.248
6/27/2017 1:58:13 PM	13260.001	3.190	11.582	0.250
6/27/2017 1:59:13 PM	13320.001	3.190	11.557	0.251
6/27/2017 2:00:13 PM	13380.001	3.189	11.557	0.253
6/27/2017 2:01:13 PM	13440.001	3.189	11.570	0.253
6/27/2017 2:02:13 PM	13500.001	3.187	11.548	0.257
6/27/2017 2:03:13 PM	13560.001	3.190	11.551	0.252
6/27/2017 2:04:13 PM	13620.001	3.190	11.576	0.251
6/27/2017 2:05:13 PM	13680.001	3.187	11.543	0.259
6/27/2017 2:06:13 PM	13740.001	3.189	11.551	0.253
6/27/2017 2:07:13 PM	13800.001	3.190	11.541	0.252
6/27/2017 2:08:13 PM	13860.001	3.188	11.567	0.254
6/27/2017 2:09:13 PM	13920.001	3.188	11.572	0.255
6/27/2017 2:10:13 PM	13980.001	3.189	11.543	0.252
6/27/2017 2:11:13 PM	14040.001	3.189	11.561	0.253
6/27/2017 2:12:13 PM	14100.001	3.190	11.582	0.251
6/27/2017 2:13:13 PM	14160.001	3.186	11.575	0.260
6/27/2017 2:14:13 PM	14220.001	3.187	11.586	0.257
6/27/2017 2:15:13 PM	14280.001	3.188	11.540	0.255
6/27/2017 2:16:13 PM	14340.001	3.187	11.542	0.257
6/27/2017 2:17:13 PM	14400.001	3.190	11.551	0.252
6/27/2017 2:18:13 PM	14460.001	3.185	11.582	0.262
6/27/2017 2:19:13 PM	14520.001	3.186	11.532	0.260
6/27/2017 2:20:13 PM	14580.001	3.185	11.555	0.263
6/27/2017 2:21:13 PM	14640.001	3.186	11.576	0.261
6/27/2017 2:22:13 PM	14700.001	3.188	11.579	0.256
6/27/2017 2:23:13 PM	14760.001	3.187	11.568	0.259
6/27/2017 2:24:13 PM	14820.001	3.185	11.532	0.262
6/27/2017 2:25:13 PM	14880.001	3.186	11.548	0.261
6/27/2017 2:26:13 PM	14940.001	3.185	11.557	0.262
6/27/2017 2:27:13 PM	15000.001	3.184	11.591	0.265
6/27/2017 2:28:13 PM	15060.001	3.185	11.574	0.263
6/27/2017 2:29:13 PM	15120.001	3.189	11.548	0.254
6/27/2017 2:30:13 PM	15180.001	3.187	11.549	0.258

6/27/2017 2:31:13 PM	15240.001	3.184	11.558	0.264
6/27/2017 2:32:13 PM	15300.001	3.188	11.568	0.256
6/27/2017 2:33:13 PM	15360.001	3.186	11.573	0.259
6/27/2017 2:34:13 PM	15420.001	3.183	11.568	0.267
6/27/2017 2:35:13 PM	15480.001	3.179	11.584	0.275
6/27/2017 2:36:13 PM	15540.001	3.177	11.532	0.282
6/27/2017 2:37:13 PM	15600.001	3.177	11.597	0.281
6/27/2017 2:38:13 PM	15660.001	3.173	11.557	0.290
6/27/2017 2:39:13 PM	15720.001	3.171	11.565	0.296
6/27/2017 2:40:13 PM	15780.001	3.174	11.554	0.288
6/27/2017 2:41:13 PM	15840.001	3.168	11.579	0.301
6/27/2017 2:42:13 PM	15900.001	3.170	11.573	0.297
6/27/2017 2:43:13 PM	15960.001	3.166	11.598	0.306
6/27/2017 2:44:13 PM	16020.001	3.167	11.574	0.303
6/27/2017 2:45:13 PM	16080.001	3.164	11.546	0.312
6/27/2017 2:46:13 PM	16140.001	3.161	11.580	0.318
6/27/2017 2:47:13 PM	16200.001	3.157	11.548	0.326
6/27/2017 2:48:13 PM	16260.001	3.158	11.562	0.326
6/27/2017 2:49:13 PM	16320.001	3.152	11.552	0.339
6/27/2017 2:50:13 PM	16380.001	3.154	11.567	0.334
6/27/2017 2:51:13 PM	16440.001	3.152	11.575	0.339
6/27/2017 2:52:13 PM	16500.001	3.147	11.555	0.350
6/27/2017 2:53:13 PM	16560.001	3.146	11.570	0.352
6/27/2017 2:54:13 PM	16620.001	3.146	11.579	0.352
6/27/2017 2:55:13 PM	16680.001	3.143	11.545	0.360
6/27/2017 2:56:13 PM	16740.001	3.141	11.547	0.363
6/27/2017 2:57:13 PM	16800.001	3.137	11.560	0.374
6/27/2017 2:58:13 PM	16860.001	3.137	11.535	0.373
6/27/2017 2:59:13 PM	16920.001	3.137	11.571	0.374
6/27/2017 3:00:13 PM	16980.001	3.133	11.526	0.382
6/27/2017 3:01:13 PM	17040.001	3.137	11.562	0.373
6/27/2017 3:02:13 PM	17100.001	3.134	11.574	0.381
6/27/2017 3:03:13 PM	17160.001	3.132	11.590	0.385
6/27/2017 3:04:13 PM	17220.001	3.135	11.526	0.379
6/27/2017 3:05:13 PM	17280.001	3.132	11.557	0.386
6/27/2017 3:06:13 PM	17340.001	3.135	11.567	0.377
6/27/2017 3:07:13 PM	17400.001	3.135	11.545	0.377
6/27/2017 3:08:13 PM	17460.001	3.133	11.538	0.383
6/27/2017 3:09:13 PM	17520.001	3.130	11.567	0.389
6/27/2017 3:10:13 PM	17580.001	3.129	11.524	0.392
6/27/2017 3:11:13 PM	17640.001	3.131	11.568	0.386
6/27/2017 3:12:13 PM	17700.001	3.134	11.550	0.379
6/27/2017 3:13:13 PM	17760.001	3.132	11.564	0.386
6/27/2017 3:14:13 PM	17820.001	3.131	11.540	0.387
6/27/2017 3:15:13 PM	17880.001	3.126	11.546	0.398
6/27/2017 3:16:13 PM	17940.001	3.125	11.584	0.400
6/27/2017 3:17:13 PM	18000.001	3.127	11.548	0.395
6/27/2017 3:18:13 PM	18060.001	3.127	11.569	0.395
6/27/2017 3:19:13 PM	18120.001	3.126	11.560	0.397
6/27/2017 3:20:13 PM	18180.001	3.126	11.565	0.399
6/27/2017 3:21:13 PM	18240.001	3.126	11.584	0.399
6/27/2017 3:22:13 PM	18300.001	3.126	11.584	0.399
6/27/2017 3:23:13 PM	18360.001	3.125	11.588	0.401
6/27/2017 3:24:13 PM	18420.001	3.123	11.539	0.406
6/27/2017 3:25:13 PM	18480.001	3.124	11.565	0.402
6/27/2017 3:26:13 PM	18540.001	3.125	11.528	0.401
6/27/2017 3:27:13 PM	18600.001	3.124	11.574	0.404
6/27/2017 3:28:13 PM	18660.001	3.122	11.529	0.407
6/27/2017 3:29:13 PM	18720.001	3.120	11.556	0.412
6/27/2017 3:30:13 PM	18780.001	3.122	11.567	0.407
6/27/2017 3:31:13 PM	18840.001	3.122	11.561	0.407
6/27/2017 3:32:13 PM	18900.001	3.122	11.551	0.407
6/27/2017 3:33:13 PM	18960.001	3.121	11.537	0.410

6/27/2017 3:34:13 PM	19020.001	3.123	11.551	0.405
6/27/2017 3:35:13 PM	19080.001	3.121	11.560	0.410
6/27/2017 3:36:13 PM	19140.001	3.121	11.565	0.410
6/27/2017 3:37:13 PM	19200.001	3.121	11.569	0.411
6/27/2017 3:38:13 PM	19260.001	3.119	11.576	0.414
6/27/2017 3:39:13 PM	19320.001	3.121	11.544	0.410
6/27/2017 3:40:13 PM	19380.001	3.122	11.568	0.407
6/27/2017 3:41:13 PM	19440.001	3.121	11.510	0.410
6/27/2017 3:42:13 PM	19500.001	3.116	11.571	0.422
6/27/2017 3:43:13 PM	19560.001	3.119	11.583	0.415
6/27/2017 3:44:13 PM	19620.001	3.119	11.547	0.416
6/27/2017 3:45:13 PM	19680.001	3.118	11.560	0.417
6/27/2017 3:46:13 PM	19740.001	3.118	11.566	0.416
6/27/2017 3:47:13 PM	19800.001	3.118	11.579	0.417
6/27/2017 3:48:13 PM	19860.001	3.115	11.570	0.424
6/27/2017 3:49:13 PM	19920.001	3.116	11.551	0.422
6/27/2017 3:50:13 PM	19980.001	3.118	11.547	0.417
6/27/2017 3:51:13 PM	20040.001	3.117	11.555	0.420
6/27/2017 3:52:13 PM	20100.001	3.115	11.548	0.423
6/27/2017 3:53:13 PM	20160.001	3.117	11.564	0.419
6/27/2017 3:54:13 PM	20220.001	3.116	11.582	0.422
6/27/2017 3:55:13 PM	20280.001	3.112	11.579	0.431
6/27/2017 3:56:13 PM	20340.001	3.115	11.543	0.424
6/27/2017 3:57:13 PM	20400.001	3.113	11.538	0.428
6/27/2017 3:58:13 PM	20460.001	3.113	11.551	0.430
6/27/2017 3:59:13 PM	20520.001	3.113	11.580	0.430
6/27/2017 4:00:13 PM	20580.001	3.113	11.554	0.429
6/27/2017 4:01:13 PM	20640.001	3.114	11.586	0.426
6/27/2017 4:02:13 PM	20700.001	3.111	11.554	0.433
6/27/2017 4:03:13 PM	20760.001	3.111	11.528	0.433
6/27/2017 4:04:13 PM	20820.001	3.113	11.576	0.429
6/27/2017 4:05:13 PM	20880.001	3.112	11.552	0.432
6/27/2017 4:06:13 PM	20940.001	3.114	11.581	0.427
6/27/2017 4:07:13 PM	21000.001	3.116	11.537	0.422
6/27/2017 4:08:13 PM	21060.001	3.111	11.556	0.433
6/27/2017 4:09:13 PM	21120.001	3.116	11.566	0.421
6/27/2017 4:10:13 PM	21180.001	3.111	11.553	0.433
6/27/2017 4:11:13 PM	21240.001	3.115	11.543	0.424
6/27/2017 4:12:13 PM	21300.001	3.113	11.551	0.427
6/27/2017 4:13:13 PM	21360.001	3.114	11.557	0.426
6/27/2017 4:14:13 PM	21420.001	3.114	11.551	0.427
6/27/2017 4:15:13 PM	21480.001	3.111	11.545	0.432
6/27/2017 4:16:13 PM	21540.001	3.114	11.549	0.426
6/27/2017 4:17:13 PM	21600.001	3.116	11.546	0.421
6/27/2017 4:18:13 PM	21660.001	3.114	11.556	0.427
6/27/2017 4:19:13 PM	21720.001	3.117	11.527	0.420
6/27/2017 4:20:13 PM	21780.001	3.117	11.532	0.420
6/27/2017 4:21:13 PM	21840.001	3.113	11.561	0.428
6/27/2017 4:22:13 PM	21900.001	3.114	11.545	0.425
6/27/2017 4:23:13 PM	21960.001	3.116	11.536	0.423
6/27/2017 4:24:13 PM	22020.001	3.117	11.549	0.420
6/27/2017 4:25:13 PM	22080.001	3.116	11.520	0.423
6/27/2017 4:26:13 PM	22140.001	3.116	11.547	0.421
6/27/2017 4:27:13 PM	22200.001	3.116	11.558	0.423
6/27/2017 4:28:13 PM	22260.001	3.115	11.557	0.423
6/27/2017 4:29:13 PM	22320.001	3.134	11.574	0.380
6/27/2017 4:30:13 PM	22380.001	3.129	11.573	0.392
6/27/2017 4:31:13 PM	22440.001	3.115	11.529	0.425
6/27/2017 4:32:13 PM	22500.001	3.115	11.558	0.424
6/27/2017 4:33:13 PM	22560.001	3.115	11.532	0.424
6/27/2017 4:34:13 PM	22620.001	3.119	11.519	0.415
6/27/2017 4:35:13 PM	22680.001	3.117	11.535	0.418
6/27/2017 4:36:13 PM	22740.001	3.116	11.491	0.422

6/27/2017 4:37:13 PM	22800.001	3.117	11.507	0.420
6/27/2017 4:38:13 PM	22860.001	3.117	11.495	0.419
6/27/2017 4:39:13 PM	22920.001	3.114	11.497	0.426
6/27/2017 4:40:13 PM	22980.001	3.114	11.468	0.425
6/27/2017 4:41:13 PM	23040.001	3.115	11.488	0.424
6/27/2017 4:42:13 PM	23100.001	3.112	11.493	0.431
6/27/2017 4:43:13 PM	23160.001	3.113	11.524	0.429
6/27/2017 4:44:13 PM	23220.001	3.112	11.514	0.432
6/27/2017 4:45:13 PM	23280.001	3.113	11.524	0.429
6/27/2017 4:46:13 PM	23340.001	3.113	11.513	0.428
6/27/2017 4:47:13 PM	23400.001	3.112	11.521	0.431
6/27/2017 4:48:13 PM	23460.001	3.112	11.516	0.430
6/27/2017 4:49:13 PM	23520.001	3.110	11.507	0.434
6/27/2017 4:50:13 PM	23580.001	3.114	11.533	0.427
6/27/2017 4:51:13 PM	23640.001	3.112	11.529	0.431
6/27/2017 4:52:13 PM	23700.001	3.114	11.485	0.427
6/27/2017 4:53:13 PM	23760.001	3.112	11.505	0.431
6/27/2017 4:54:13 PM	23820.001	3.112	11.526	0.430
6/27/2017 4:55:13 PM	23880.001	3.112	11.543	0.430
6/27/2017 4:56:13 PM	23940.001	3.113	11.520	0.428
6/27/2017 4:57:13 PM	24000.001	3.112	11.514	0.430
6/27/2017 4:58:13 PM	24060.001	3.114	11.542	0.425
6/27/2017 4:59:13 PM	24120.001	3.115	11.556	0.423
6/27/2017 5:00:13 PM	24180.001	3.114	11.557	0.426
6/27/2017 5:01:13 PM	24240.001	3.116	11.526	0.423
6/27/2017 5:02:13 PM	24300.001	3.114	11.515	0.427
6/27/2017 5:03:13 PM	24360.001	3.113	11.496	0.428
6/27/2017 5:04:13 PM	24420.001	3.112	11.532	0.431
6/27/2017 5:05:13 PM	24480.001	3.111	11.522	0.433
6/27/2017 5:06:13 PM	24540.001	3.110	11.523	0.436
6/27/2017 5:07:13 PM	24600.001	3.113	11.512	0.428
6/27/2017 5:08:13 PM	24660.001	3.112	11.525	0.431
6/27/2017 5:09:13 PM	24720.001	3.109	11.531	0.437
6/27/2017 5:10:13 PM	24780.001	3.111	11.546	0.433
6/27/2017 5:11:13 PM	24840.001	3.114	11.525	0.426
6/27/2017 5:12:13 PM	24900.001	3.112	11.528	0.431
6/27/2017 5:13:13 PM	24960.001	3.112	11.489	0.431
6/27/2017 5:14:13 PM	25020.001	3.110	11.557	0.435
6/27/2017 5:15:13 PM	25080.001	3.112	11.514	0.430
6/27/2017 5:16:13 PM	25140.001	3.111	11.522	0.433
6/27/2017 5:17:13 PM	25200.001	3.115	11.565	0.424
6/27/2017 5:18:13 PM	25260.001	3.113	11.531	0.429
6/27/2017 5:19:13 PM	25320.001	3.114	11.520	0.426
6/27/2017 5:20:13 PM	25380.001	3.114	11.558	0.427
6/27/2017 5:21:13 PM	25440.001	3.111	11.530	0.432
6/27/2017 5:22:13 PM	25500.001	3.113	11.534	0.428
6/27/2017 5:23:13 PM	25560.001	3.112	11.559	0.431
6/27/2017 5:24:13 PM	25620.001	3.113	11.543	0.429
6/27/2017 5:25:13 PM	25680.001	3.112	11.520	0.430
6/27/2017 5:26:13 PM	25740.001	3.114	11.551	0.426
6/27/2017 5:27:13 PM	25800.001	3.115	11.536	0.424
6/27/2017 5:28:13 PM	25860.001	3.113	11.538	0.429
6/27/2017 5:29:13 PM	25920.001	3.112	11.551	0.431
6/27/2017 5:30:13 PM	25980.001	3.113	11.532	0.429
6/27/2017 5:31:13 PM	26040.001	3.110	11.529	0.436
6/27/2017 5:32:13 PM	26100.001	3.113	11.531	0.429
6/27/2017 5:33:13 PM	26160.001	3.113	11.535	0.428
6/27/2017 5:34:13 PM	26220.001	3.112	11.532	0.430
6/27/2017 5:35:13 PM	26280.001	3.113	11.536	0.428
6/27/2017 5:36:13 PM	26340.001	3.111	11.525	0.433
6/27/2017 5:37:13 PM	26400.001	3.113	11.570	0.430
6/27/2017 5:38:13 PM	26460.001	3.116	11.559	0.421
6/27/2017 5:39:13 PM	26520.001	3.114	11.524	0.426

6/27/2017 5:40:13 PM	26580.001	3.116	11.553	0.421
6/27/2017 5:41:13 PM	26640.001	3.113	11.535	0.429
6/27/2017 5:42:13 PM	26700.001	3.114	11.518	0.425
6/27/2017 5:43:13 PM	26760.001	3.115	11.536	0.425
6/27/2017 5:44:13 PM	26820.001	3.113	11.547	0.428
6/27/2017 5:45:13 PM	26880.001	3.118	11.554	0.417
6/27/2017 5:46:13 PM	26940.001	3.113	11.526	0.429
6/27/2017 5:47:13 PM	27000.001	3.117	11.537	0.418
6/27/2017 5:48:13 PM	27060.001	3.114	11.558	0.427
6/27/2017 5:49:13 PM	27120.001	3.116	11.529	0.422
6/27/2017 5:50:13 PM	27180.001	3.117	11.524	0.419
6/27/2017 5:51:13 PM	27240.001	3.119	11.560	0.415
6/27/2017 5:52:13 PM	27300.001	3.119	11.544	0.415
6/27/2017 5:53:13 PM	27360.001	3.119	11.534	0.416
6/27/2017 5:54:13 PM	27420.001	3.122	11.546	0.408
6/27/2017 5:55:13 PM	27480.001	3.120	11.575	0.412
6/27/2017 5:56:13 PM	27540.001	3.121	11.550	0.410
6/27/2017 5:57:13 PM	27600.001	3.120	11.524	0.413
6/27/2017 5:58:13 PM	27660.001	3.119	11.525	0.416
6/27/2017 5:59:13 PM	27720.001	3.118	11.565	0.417
6/27/2017 6:00:13 PM	27780.001	3.117	11.565	0.420
6/27/2017 6:01:13 PM	27840.001	3.117	11.560	0.418
6/27/2017 6:02:13 PM	27900.001	3.118	11.546	0.417
6/27/2017 6:03:13 PM	27960.001	3.120	11.555	0.412
6/27/2017 6:04:13 PM	28020.001	3.117	11.542	0.419
6/27/2017 6:05:13 PM	28080.001	3.118	11.560	0.417
6/27/2017 6:06:13 PM	28140.001	3.118	11.572	0.417
6/27/2017 6:07:13 PM	28200.001	3.118	11.547	0.416
6/27/2017 6:08:13 PM	28260.001	3.118	11.532	0.417
6/27/2017 6:09:13 PM	28320.001	3.120	11.543	0.412
6/27/2017 6:10:13 PM	28380.001	3.116	11.572	0.420
6/27/2017 6:11:13 PM	28440.001	3.118	11.537	0.418
6/27/2017 6:12:13 PM	28500.001	3.118	11.546	0.416
6/27/2017 6:13:13 PM	28560.001	3.117	11.543	0.419
6/27/2017 6:14:13 PM	28620.001	3.117	11.554	0.420
6/27/2017 6:15:13 PM	28680.001	3.118	11.537	0.418
6/27/2017 6:16:13 PM	28740.001	3.118	11.537	0.417
6/27/2017 6:17:13 PM	28800.001	3.121	11.560	0.410
6/27/2017 6:18:13 PM	28860.001	3.120	11.546	0.413
6/27/2017 6:19:13 PM	28920.001	3.119	11.542	0.415
6/27/2017 6:20:13 PM	28980.001	3.121	11.559	0.410
6/27/2017 6:21:13 PM	29040.001	3.117	11.533	0.419
6/27/2017 6:22:13 PM	29100.001	3.121	11.554	0.411
6/27/2017 6:23:13 PM	29160.001	3.121	11.536	0.410
6/27/2017 6:24:13 PM	29220.001	3.119	11.581	0.415
6/27/2017 6:25:13 PM	29280.001	3.121	11.543	0.411
6/27/2017 6:26:13 PM	29340.001	3.117	11.596	0.420
6/27/2017 6:27:13 PM	29400.001	3.120	11.501	0.413
6/27/2017 6:28:13 PM	29460.001	3.119	11.542	0.415
6/27/2017 6:29:13 PM	29520.001	3.122	11.551	0.408
6/27/2017 6:30:13 PM	29580.001	3.119	11.528	0.416
6/27/2017 6:31:13 PM	29640.001	3.120	11.546	0.411
6/27/2017 6:32:13 PM	29700.001	3.119	11.524	0.414
6/27/2017 6:33:13 PM	29760.001	3.121	11.540	0.409
6/27/2017 6:34:13 PM	29820.001	3.120	11.536	0.413
6/27/2017 6:35:13 PM	29880.001	3.119	11.551	0.415
6/27/2017 6:36:13 PM	29940.001	3.121	11.557	0.410
6/27/2017 6:37:13 PM	30000.001	3.121	11.567	0.409
6/27/2017 6:38:13 PM	30060.001	3.120	11.535	0.412
6/27/2017 6:39:13 PM	30120.001	3.124	11.524	0.402
6/27/2017 6:40:13 PM	30180.001	3.127	11.535	0.397
6/27/2017 6:41:13 PM	30240.001	3.124	11.549	0.403
6/27/2017 6:42:13 PM	30300.001	3.122	11.554	0.407

6/27/2017 6:43:13 PM	30360.001	3.121	11.507	0.409
6/27/2017 6:44:13 PM	30420.001	3.123	11.536	0.405
6/27/2017 6:45:13 PM	30480.001	3.120	11.560	0.412
6/27/2017 6:46:13 PM	30540.001	3.121	11.532	0.411
6/27/2017 6:47:13 PM	30600.001	3.119	11.536	0.414
6/27/2017 6:48:13 PM	30660.001	3.118	11.543	0.417
6/27/2017 6:49:13 PM	30720.001	3.119	11.558	0.415
6/27/2017 6:50:13 PM	30780.001	3.120	11.562	0.412
6/27/2017 6:51:13 PM	30840.001	3.116	11.557	0.421
6/27/2017 6:52:13 PM	30900.001	3.121	11.531	0.410
6/27/2017 6:53:13 PM	30960.001	3.121	11.540	0.410
6/27/2017 6:54:13 PM	31020.001	3.120	11.553	0.413
6/27/2017 6:55:13 PM	31080.001	3.120	11.515	0.413
6/27/2017 6:56:13 PM	31140.001	3.121	11.549	0.409
6/27/2017 6:57:13 PM	31200.001	3.120	11.535	0.413
6/27/2017 6:58:13 PM	31260.001	3.119	11.542	0.414
6/27/2017 6:59:13 PM	31320.001	3.121	11.544	0.409
6/27/2017 7:00:13 PM	31380.001	3.120	11.535	0.413
6/27/2017 7:01:13 PM	31440.001	3.122	11.535	0.408
6/27/2017 7:02:13 PM	31500.001	3.119	11.554	0.414
6/27/2017 7:03:13 PM	31560.001	3.120	11.542	0.413
6/27/2017 7:04:13 PM	31620.001	3.118	11.550	0.417
6/27/2017 7:05:13 PM	31680.001	3.119	11.548	0.416
6/27/2017 7:06:13 PM	31740.001	3.118	11.532	0.418
6/27/2017 7:07:13 PM	31800.001	3.121	11.551	0.409
6/27/2017 7:08:13 PM	31860.001	3.121	11.554	0.411
6/27/2017 7:09:13 PM	31920.001	3.120	11.571	0.413
6/27/2017 7:10:13 PM	31980.001	3.121	11.546	0.410
6/27/2017 7:11:13 PM	32040.001	3.119	11.512	0.414
6/27/2017 7:12:13 PM	32100.001	3.121	11.535	0.409
6/27/2017 7:13:13 PM	32160.001	3.120	11.549	0.412
6/27/2017 7:14:13 PM	32220.001	3.125	11.571	0.401
6/27/2017 7:15:13 PM	32280.001	3.117	11.561	0.419
6/27/2017 7:16:13 PM	32340.001	3.123	11.565	0.405
6/27/2017 7:17:13 PM	32400.001	3.120	11.562	0.412
6/27/2017 7:18:13 PM	32460.001	3.123	11.557	0.406
6/27/2017 7:19:13 PM	32520.001	3.123	11.545	0.406
6/27/2017 7:20:13 PM	32580.001	3.123	11.507	0.405
6/27/2017 7:21:13 PM	32640.001	3.123	11.575	0.405
6/27/2017 7:22:13 PM	32700.001	3.123	11.549	0.405
6/27/2017 7:23:13 PM	32760.001	3.122	11.568	0.408
6/27/2017 7:24:13 PM	32820.001	3.123	11.508	0.405
6/27/2017 7:25:13 PM	32880.001	3.124	11.532	0.404
6/27/2017 7:26:13 PM	32940.001	3.120	11.542	0.412
6/27/2017 7:27:13 PM	33000.001	3.122	11.546	0.407
6/27/2017 7:28:13 PM	33060.001	3.122	11.540	0.407
6/27/2017 7:29:13 PM	33120.001	3.122	11.532	0.407
6/27/2017 7:30:13 PM	33180.001	3.122	11.546	0.407
6/27/2017 7:31:13 PM	33240.001	3.122	11.550	0.407
6/27/2017 7:32:13 PM	33300.001	3.120	11.524	0.413
6/27/2017 7:33:13 PM	33360.001	3.121	11.573	0.409
6/27/2017 7:34:13 PM	33420.001	3.124	11.538	0.403
6/27/2017 7:35:13 PM	33480.001	3.123	11.551	0.406
6/27/2017 7:36:13 PM	33540.001	3.125	11.518	0.401
6/27/2017 7:37:13 PM	33600.001	3.123	11.561	0.406
6/27/2017 7:38:13 PM	33660.001	3.123	11.524	0.406
6/27/2017 7:39:13 PM	33720.001	3.124	11.577	0.403
6/27/2017 7:40:13 PM	33780.001	3.122	11.543	0.407
6/27/2017 7:41:13 PM	33840.001	3.124	11.550	0.403
6/27/2017 7:42:13 PM	33900.001	3.124	11.546	0.403
6/27/2017 7:43:13 PM	33960.001	3.126	11.527	0.398
6/27/2017 7:44:13 PM	34020.001	3.124	11.541	0.403
6/27/2017 7:45:13 PM	34080.001	3.123	11.571	0.406

6/27/2017 7:46:13 PM	34140.001	3.122	11.540	0.407
6/27/2017 7:47:13 PM	34200.001	3.126	11.548	0.399
6/27/2017 7:48:13 PM	34260.001	3.125	11.545	0.402
6/27/2017 7:49:13 PM	34320.001	3.122	11.537	0.408
6/27/2017 7:50:13 PM	34380.001	3.126	11.540	0.399
6/27/2017 7:51:13 PM	34440.001	3.126	11.571	0.399
6/27/2017 7:52:13 PM	34500.001	3.125	11.540	0.400
6/27/2017 7:53:13 PM	34560.001	3.127	11.554	0.396
6/27/2017 7:54:13 PM	34620.001	3.125	11.526	0.401
6/27/2017 7:55:13 PM	34680.001	3.125	11.560	0.402
6/27/2017 7:56:13 PM	34740.001	3.124	11.521	0.402
6/27/2017 7:57:13 PM	34800.001	3.125	11.490	0.400
6/27/2017 7:58:13 PM	34860.001	3.129	11.536	0.392
6/27/2017 7:59:13 PM	34920.001	3.126	11.556	0.400
6/27/2017 8:00:13 PM	34980.001	3.125	11.539	0.400
6/27/2017 8:01:13 PM	35040.001	3.129	11.558	0.391
6/27/2017 8:02:13 PM	35100.001	3.126	11.526	0.399
6/27/2017 8:03:13 PM	35160.001	3.125	11.546	0.400
6/27/2017 8:04:13 PM	35220.001	3.128	11.554	0.394
6/27/2017 8:05:13 PM	35280.001	3.126	11.551	0.398
6/27/2017 8:06:13 PM	35340.001	3.129	11.519	0.392
6/27/2017 8:07:13 PM	35400.001	3.128	11.560	0.395
6/27/2017 8:08:13 PM	35460.001	3.127	11.554	0.397
6/27/2017 8:09:13 PM	35520.001	3.128	11.532	0.394
6/27/2017 8:10:13 PM	35580.001	3.125	11.535	0.400
6/27/2017 8:11:13 PM	35640.001	3.130	11.554	0.389
6/27/2017 8:12:13 PM	35700.001	3.129	11.548	0.392
6/27/2017 8:13:13 PM	35760.001	3.128	11.534	0.395
6/27/2017 8:14:13 PM	35820.001	3.127	11.535	0.395
6/27/2017 8:15:13 PM	35880.001	3.129	11.554	0.392
6/27/2017 8:16:13 PM	35940.001	3.128	11.523	0.394
6/27/2017 8:17:13 PM	36000.001	3.131	11.532	0.388
6/27/2017 8:18:13 PM	36060.001	3.129	11.537	0.391
6/27/2017 8:19:13 PM	36120.001	3.130	11.501	0.389
6/27/2017 8:20:13 PM	36180.001	3.129	11.533	0.392
6/27/2017 8:21:13 PM	36240.001	3.131	11.533	0.386
6/27/2017 8:22:13 PM	36300.001	3.131	11.546	0.388
6/27/2017 8:23:13 PM	36360.001	3.136	11.536	0.376
6/27/2017 8:24:13 PM	36420.001	3.134	11.557	0.380
6/27/2017 8:25:13 PM	36480.001	3.135	11.549	0.377
6/27/2017 8:26:13 PM	36540.001	3.133	11.554	0.383
6/27/2017 8:27:13 PM	36600.001	3.131	11.558	0.388
6/27/2017 8:28:13 PM	36660.001	3.131	11.546	0.387
6/27/2017 8:29:13 PM	36720.001	3.132	11.549	0.386
6/27/2017 8:30:13 PM	36780.001	3.132	11.535	0.385
6/27/2017 8:31:13 PM	36840.001	3.132	11.548	0.384
6/27/2017 8:32:13 PM	36900.001	3.133	11.562	0.382
6/27/2017 8:33:13 PM	36960.001	3.133	11.540	0.381
6/27/2017 8:34:13 PM	37020.001	3.135	11.541	0.378
6/27/2017 8:35:13 PM	37080.001	3.132	11.559	0.384
6/27/2017 8:36:13 PM	37140.001	3.137	11.540	0.374
6/27/2017 8:37:13 PM	37200.001	3.135	11.542	0.378
6/27/2017 8:38:13 PM	37260.001	3.133	11.542	0.382
6/27/2017 8:39:13 PM	37320.001	3.133	11.524	0.382
6/27/2017 8:40:13 PM	37380.001	3.135	11.558	0.379
6/27/2017 8:41:13 PM	37440.001	3.138	11.546	0.371
6/27/2017 8:42:13 PM	37500.001	3.137	11.558	0.374
6/27/2017 8:43:13 PM	37560.001	3.138	11.559	0.370
6/27/2017 8:44:13 PM	37620.001	3.133	11.522	0.383
6/27/2017 8:45:13 PM	37680.001	3.133	11.521	0.382
6/27/2017 8:46:13 PM	37740.001	3.134	11.532	0.381
6/27/2017 8:47:13 PM	37800.001	3.137	11.560	0.373
6/27/2017 8:48:13 PM	37860.001	3.137	11.554	0.373

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6/27/2017 8:50:13 PM	37980.001	3.137	11.533	0.374
6/27/2017 8:51:13 PM	38040.001	3.137	11.526	0.374
6/27/2017 8:52:13 PM	38100.001	3.138	11.554	0.371
6/27/2017 8:53:13 PM	38160.001	3.135	11.557	0.379
6/27/2017 8:54:13 PM	38220.001	3.137	11.544	0.374
6/27/2017 8:55:13 PM	38280.001	3.136	11.543	0.375
6/27/2017 8:56:13 PM	38340.001	3.134	11.503	0.379
6/27/2017 8:57:13 PM	38400.001	3.134	11.536	0.380
6/27/2017 8:58:13 PM	38460.001	3.137	11.510	0.374
6/27/2017 8:59:13 PM	38520.001	3.135	11.537	0.377
6/27/2017 9:00:13 PM	38580.001	3.141	11.539	0.365
6/27/2017 9:01:13 PM	38640.001	3.137	11.555	0.373
6/27/2017 9:02:13 PM	38700.001	3.137	11.525	0.374
6/27/2017 9:03:13 PM	38760.001	3.139	11.580	0.369
6/27/2017 9:04:13 PM	38820.001	3.139	11.520	0.368
6/27/2017 9:05:13 PM	38880.001	3.139	11.529	0.370
6/27/2017 9:06:13 PM	38940.001	3.138	11.532	0.370
6/27/2017 9:07:13 PM	39000.001	3.137	11.546	0.374
6/27/2017 9:08:13 PM	39060.001	3.139	11.533	0.368
6/27/2017 9:09:13 PM	39120.001	3.139	11.550	0.369
6/27/2017 9:10:13 PM	39180.001	3.139	11.558	0.369
6/27/2017 9:11:13 PM	39240.001	3.142	11.508	0.360
6/27/2017 9:12:13 PM	39300.001	3.141	11.522	0.365
6/27/2017 9:13:13 PM	39360.001	3.142	11.557	0.361
6/27/2017 9:14:13 PM	39420.001	3.140	11.527	0.365
6/27/2017 9:15:13 PM	39480.001	3.139	11.564	0.370
6/27/2017 9:16:13 PM	39540.001	3.140	11.535	0.366
6/27/2017 9:17:13 PM	39600.001	3.141	11.568	0.364
6/27/2017 9:18:13 PM	39660.001	3.140	11.545	0.367
6/27/2017 9:19:13 PM	39720.001	3.141	11.553	0.364
6/27/2017 9:20:13 PM	39780.001	3.140	11.531	0.367
6/27/2017 9:21:13 PM	39840.001	3.140	11.533	0.366
6/27/2017 9:22:13 PM	39900.001	3.139	11.566	0.368
6/27/2017 9:23:13 PM	39960.001	3.141	11.535	0.365
6/27/2017 9:24:13 PM	40020.001	3.140	11.568	0.367
6/27/2017 9:25:13 PM	40080.001	3.142	11.542	0.361
6/27/2017 9:26:13 PM	40140.001	3.139	11.530	0.368
6/27/2017 9:27:13 PM	40200.001	3.143	11.555	0.359
6/27/2017 9:28:13 PM	40260.001	3.143	11.562	0.360
6/27/2017 9:29:13 PM	40320.001	3.141	11.544	0.363
6/27/2017 9:30:13 PM	40380.001	3.144	11.546	0.358
6/27/2017 9:31:13 PM	40440.001	3.140	11.525	0.367
6/27/2017 9:32:13 PM	40500.001	3.142	11.563	0.360
6/27/2017 9:33:13 PM	40560.001	3.142	11.550	0.363
6/27/2017 9:34:13 PM	40620.001	3.137	11.528	0.373
6/27/2017 9:35:13 PM	40680.001	3.141	11.515	0.363
6/27/2017 9:36:13 PM	40740.001	3.140	11.516	0.366
6/27/2017 9:37:13 PM	40800.001	3.143	11.551	0.360
6/27/2017 9:38:13 PM	40860.001	3.141	11.543	0.363
6/27/2017 9:39:13 PM	40920.001	3.146	11.551	0.352
6/27/2017 9:40:13 PM	40980.001	3.140	11.555	0.366
6/27/2017 9:41:13 PM	41040.001	3.144	11.537	0.357
6/27/2017 9:42:13 PM	41100.001	3.145	11.543	0.355
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6/27/2017 9:44:13 PM	41220.001	3.145	11.559	0.355
6/27/2017 9:45:13 PM	41280.001	3.145	11.560	0.355
6/27/2017 9:46:13 PM	41340.001	3.145	11.540	0.355
6/27/2017 9:47:13 PM	41400.001	3.146	11.562	0.353
6/27/2017 9:48:13 PM	41460.001	3.145	11.572	0.355
6/27/2017 9:49:13 PM	41520.001	3.146	11.521	0.353
6/27/2017 9:50:13 PM	41580.001	3.145	11.520	0.355
6/27/2017 9:51:13 PM	41640.001	3.144	11.555	0.356

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6/27/2017 9:53:13 PM	41760.001	3.145	11.556	0.355
6/27/2017 9:54:13 PM	41820.001	3.144	11.568	0.356
6/27/2017 9:55:13 PM	41880.001	3.145	11.553	0.354
6/27/2017 9:56:13 PM	41940.001	3.144	11.532	0.358
6/27/2017 9:57:13 PM	42000.001	3.145	11.548	0.354
6/27/2017 9:58:13 PM	42060.001	3.146	11.562	0.353
6/27/2017 9:59:13 PM	42120.001	3.145	11.571	0.355
6/27/2017 10:00:13 PM	42180.001	3.144	11.537	0.358
6/27/2017 10:01:13 PM	42240.001	3.144	11.525	0.358
6/27/2017 10:02:13 PM	42300.001	3.145	11.530	0.354
6/27/2017 10:03:13 PM	42360.001	3.147	11.535	0.350
6/27/2017 10:04:13 PM	42420.001	3.143	11.530	0.360
6/27/2017 10:05:13 PM	42480.001	3.147	11.563	0.350
6/27/2017 10:06:13 PM	42540.001	3.148	11.535	0.348
6/27/2017 10:07:13 PM	42600.001	3.145	11.559	0.355
6/27/2017 10:08:13 PM	42660.001	3.148	11.507	0.348
6/27/2017 10:09:13 PM	42720.001	3.147	11.529	0.349
6/27/2017 10:10:13 PM	42780.001	3.145	11.507	0.354
6/27/2017 10:11:13 PM	42840.001	3.145	11.534	0.354
6/27/2017 10:12:13 PM	42900.001	3.148	11.525	0.348
6/27/2017 10:13:13 PM	42960.001	3.146	11.572	0.353
6/27/2017 10:14:13 PM	43020.001	3.146	11.571	0.353
6/27/2017 10:15:13 PM	43080.001	3.146	11.554	0.351
6/27/2017 10:16:13 PM	43140.001	3.146	11.510	0.351
6/27/2017 10:17:13 PM	43200.001	3.144	11.506	0.356
6/27/2017 10:18:13 PM	43260.001	3.148	11.556	0.348
6/27/2017 10:19:13 PM	43320.001	3.143	11.524	0.359
6/27/2017 10:20:13 PM	43380.001	3.143	11.557	0.358
6/27/2017 10:21:13 PM	43440.001	3.144	11.564	0.358
6/27/2017 10:22:13 PM	43500.001	3.144	11.548	0.357
6/27/2017 10:23:13 PM	43560.001	3.146	11.546	0.353
6/27/2017 10:24:13 PM	43620.001	3.144	11.548	0.358
6/27/2017 10:25:13 PM	43680.001	3.144	11.531	0.358
6/27/2017 10:26:13 PM	43740.001	3.144	11.531	0.358
6/27/2017 10:27:13 PM	43800.001	3.143	11.560	0.358
6/27/2017 10:28:13 PM	43860.001	3.143	11.544	0.359
6/27/2017 10:29:13 PM	43920.001	3.146	11.550	0.353
6/27/2017 10:30:13 PM	43980.001	3.146	11.552	0.353
6/27/2017 10:31:13 PM	44040.001	3.144	11.526	0.356
6/27/2017 10:32:13 PM	44100.001	3.146	11.538	0.353
6/27/2017 10:33:13 PM	44160.001	3.145	11.536	0.355
6/27/2017 10:34:13 PM	44220.001	3.147	11.516	0.350
6/27/2017 10:35:13 PM	44280.001	3.146	11.560	0.353
6/27/2017 10:36:13 PM	44340.001	3.148	11.554	0.348
6/27/2017 10:37:13 PM	44400.001	3.148	11.548	0.349
6/27/2017 10:38:13 PM	44460.001	3.147	11.535	0.351
6/27/2017 10:39:13 PM	44520.001	3.147	11.499	0.349
6/27/2017 10:40:13 PM	44580.001	3.150	11.537	0.344
6/27/2017 10:41:13 PM	44640.001	3.146	11.551	0.352
6/27/2017 10:42:13 PM	44700.001	3.148	11.515	0.348
6/27/2017 10:43:13 PM	44760.001	3.150	11.535	0.343
6/27/2017 10:44:13 PM	44820.001	3.147	11.548	0.349
6/27/2017 10:45:13 PM	44880.001	3.149	11.526	0.346
6/27/2017 10:46:13 PM	44940.001	3.146	11.558	0.353
6/27/2017 10:47:13 PM	45000.001	3.148	11.564	0.349
6/27/2017 10:48:13 PM	45060.001	3.148	11.554	0.347
6/27/2017 10:49:13 PM	45120.001	3.149	11.549	0.345
6/27/2017 10:50:13 PM	45180.001	3.147	11.560	0.350
6/27/2017 10:51:13 PM	45240.001	3.153	11.525	0.337
6/27/2017 10:52:13 PM	45300.001	3.152	11.535	0.339
6/27/2017 10:53:13 PM	45360.001	3.149	11.496	0.345
6/27/2017 10:54:13 PM	45420.001	3.149	11.537	0.347

6/27/2017 10:55:13 PM	45480.001	3.150	11.562	0.344
6/27/2017 10:56:13 PM	45540.001	3.151	11.552	0.341
6/27/2017 10:57:13 PM	45600.001	3.152	11.554	0.339
6/27/2017 10:58:13 PM	45660.001	3.153	11.530	0.337
6/27/2017 10:59:13 PM	45720.001	3.150	11.554	0.342
6/27/2017 11:00:13 PM	45780.001	3.152	11.560	0.338
6/27/2017 11:01:13 PM	45840.001	3.150	11.541	0.344
6/27/2017 11:02:13 PM	45900.001	3.151	11.543	0.340
6/27/2017 11:03:13 PM	45960.001	3.150	11.533	0.343
6/27/2017 11:04:13 PM	46020.001	3.149	11.523	0.345
6/27/2017 11:05:13 PM	46080.001	3.155	11.537	0.332
6/27/2017 11:06:13 PM	46140.001	3.153	11.544	0.336
6/27/2017 11:07:13 PM	46200.001	3.152	11.544	0.338
6/27/2017 11:08:13 PM	46260.001	3.152	11.544	0.339
6/27/2017 11:09:13 PM	46320.001	3.152	11.546	0.339
6/27/2017 11:10:13 PM	46380.001	3.151	11.556	0.340
6/27/2017 11:11:13 PM	46440.001	3.151	11.542	0.341
6/27/2017 11:12:13 PM	46500.001	3.152	11.517	0.338
6/27/2017 11:13:13 PM	46560.001	3.153	11.548	0.337
6/27/2017 11:14:13 PM	46620.001	3.155	11.520	0.333
6/27/2017 11:15:13 PM	46680.001	3.151	11.533	0.340
6/27/2017 11:16:13 PM	46740.001	3.153	11.541	0.337
6/27/2017 11:17:13 PM	46800.001	3.154	11.544	0.333
6/27/2017 11:18:13 PM	46860.001	3.154	11.546	0.333
6/27/2017 11:19:13 PM	46920.001	3.153	11.527	0.335
6/27/2017 11:20:13 PM	46980.001	3.152	11.499	0.338
6/27/2017 11:21:13 PM	47040.001	3.154	11.513	0.334
6/27/2017 11:22:13 PM	47100.001	3.153	11.549	0.337
6/27/2017 11:23:13 PM	47160.001	3.154	11.547	0.333
6/27/2017 11:24:13 PM	47220.001	3.153	11.545	0.335
6/27/2017 11:25:13 PM	47280.001	3.153	11.553	0.335
6/27/2017 11:26:13 PM	47340.001	3.153	11.560	0.336
6/27/2017 11:27:13 PM	47400.001	3.156	11.540	0.329
6/27/2017 11:28:13 PM	47460.001	3.156	11.544	0.329
6/27/2017 11:29:13 PM	47520.001	3.156	11.560	0.330
6/27/2017 11:30:13 PM	47580.001	3.152	11.528	0.338
6/27/2017 11:31:13 PM	47640.001	3.153	11.541	0.336
6/27/2017 11:32:13 PM	47700.001	3.156	11.527	0.330
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6/27/2017 11:35:13 PM	47880.001	3.152	11.575	0.338
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6/27/2017 11:47:13 PM	48600.001	3.156	11.508	0.330
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6/27/2017 11:49:13 PM	48720.001	3.155	11.557	0.332
6/27/2017 11:50:13 PM	48780.001	3.153	11.507	0.337
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6/27/2017 11:53:13 PM	48960.001	3.154	11.540	0.333
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6/27/2017 11:55:13 PM	49080.001	3.154	11.565	0.334
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6/27/2017 11:57:13 PM	49200.001	3.153	11.529	0.335

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6/28/2017 12:03:13 AM	49560.001	3.156	11.540	0.329
6/28/2017 12:04:13 AM	49620.001	3.155	11.557	0.331
6/28/2017 12:05:13 AM	49680.001	3.154	11.538	0.333
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6/28/2017 12:07:13 AM	49800.001	3.152	11.538	0.339
6/28/2017 12:08:13 AM	49860.001	3.154	11.544	0.333
6/28/2017 12:09:13 AM	49920.001	3.155	11.534	0.332
6/28/2017 12:10:13 AM	49980.001	3.153	11.546	0.335
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6/28/2017 12:33:13 AM	51360.001	3.151	11.526	0.342
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6/28/2017 12:52:13 AM	52500.001	3.151	11.550	0.341
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6/28/2017 1:03:13 AM	53160.001	3.152	11.536	0.338
6/28/2017 1:04:13 AM	53220.001	3.149	11.526	0.346
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6/28/2017 1:07:13 AM	53400.001	3.148	11.536	0.347
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6/28/2017 1:11:13 AM	53640.001	3.148	11.541	0.347
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6/28/2017 1:56:13 AM	56340.001	3.148	11.510	0.348
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6/28/2017 1:58:13 AM	56460.001	3.147	11.543	0.349
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Report Date: 7/10/2017 9:19:14 AM
Report User Name: dalmond
Report Computer Name: PINEWRKMA25-PC
Application: WinSitu.exe
Application Version: 5.6.25.0

Log File Properties:
File Name: CH-021 FH1_2017-07-10_09-19-08-258.wsl
Create Date: 7/10/2017 9:19:06 AM

Device Properties:
Device: Level TROLL 700
Site: Camp Hero
Device Name:
Serial Number: 169305
Firmware Version: 2.09
Hardware Version: 3
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 26
Used Battery(%): 41

Log Configuration
Log Name: CH-021 FH1
Created By: Unknown
Computer Name: Pocket PC
Application: WinSituMobile.exe
Application Version: 5.6.0.10
Create Date: 3/4/2006 4:00:24 AM Eastern Standard Time
Log Setup Time Zone: Eastern Standard Time
Notes Size(bytes): 4096
Overwrite when full: Disabled
Scheduled Start Time: Manual Start
Scheduled Stop Time: No Stop Time
Type: Step Test
Steps: 2 (Linear)
Step: 1
Duration: Days: 0 hrs: 00 mins: 05 secs: 00
Interval: Days: 0 hrs: 00 mins: 00 secs: 01
Step: 2
Duration: Days: 0 hrs: 04 mins: 00 secs: 00
Interval: Days: 0 hrs: 00 mins: 01 secs: 00

Level Reference Settings At Log Creation
Level Measurement Mode: Level Depth To Water
Specific Gravity: 0.999
Level Reference Mode: Set new reference
Level Reference Value: 0 (ft)
Level Reference Head Pressure: 2.21004 (PSI)

Other Log Settings
Depth of Probe: 5.10291 (ft)
Head Pressure: 2.21004 (PSI)
Temperature: 11.499 (C)

Log Notes:

Date and Time	Note
6/22/2017 9:37:28 AM	Used Battery: 41% Used Memory: 26% User Name: Unknown
6/22/2017 9:39:05 AM	Manual Start Command
6/22/2017 9:40:46 AM	Log Download - Used Battery: 41% Used Memory: 26% User Name: Unknown
6/22/2017 10:24:09 AM	Log Download - Used Battery: 41% Used Memory: 26% User Name: Unknown
6/22/2017 11:49:39 AM	Log Download - Used Battery: 41% Used Memory: 26% User Name: Unknown
6/22/2017 1:42:58 PM	Log Download - Used Battery: 41% Used Memory: 26% User Name: Unknown
6/22/2017 1:43:15 PM	Log Download - Used Battery: 41% Used Memory: 26% User Name: Unknown

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Log Data:
Record Count: 541
Sensors: 1
1 - 169305: Pressure/Temp 30 PSIG (21m/69ft)
Time Zone: Eastern Daylight Time

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 69ft SN#: 169305 Pressure (PSI)	Sensor: Pres(G) 69ft SN#: 169305 Temperature (C)	Sensor: Pres(G) 69ft SN#: 169305 Level Depth To Water (ft)
6/22/2017 9:39:05 AM	0.000	2.223	11.376	-0.030
6/22/2017 9:39:06 AM	1.000	2.222	11.386	-0.028
6/22/2017 9:39:07 AM	2.000	2.223	11.389	-0.030
6/22/2017 9:39:08 AM	3.000	2.220	11.393	-0.023
6/22/2017 9:39:09 AM	4.000	2.220	11.394	-0.023
6/22/2017 9:39:10 AM	5.000	2.221	11.393	-0.026
6/22/2017 9:39:11 AM	6.000	2.221	11.394	-0.025
6/22/2017 9:39:12 AM	7.000	2.221	11.397	-0.024
6/22/2017 9:39:13 AM	8.001	2.220	11.398	-0.024
6/22/2017 9:39:14 AM	9.001	2.221	11.400	-0.026
6/22/2017 9:39:15 AM	10.001	2.662	11.402	-1.044
6/22/2017 9:39:16 AM	11.001	2.474	11.399	-0.610
6/22/2017 9:39:17 AM	12.000	2.703	11.398	-1.139
6/22/2017 9:39:18 AM	13.000	2.660	11.396	-1.038
6/22/2017 9:39:19 AM	14.000	2.659	11.401	-1.037
6/22/2017 9:39:20 AM	15.000	2.634	11.401	-0.978
6/22/2017 9:39:21 AM	16.000	2.639	11.402	-0.989
6/22/2017 9:39:22 AM	17.001	2.638	11.406	-0.989
6/22/2017 9:39:23 AM	18.001	2.639	11.408	-0.989
6/22/2017 9:39:24 AM	19.001	2.639	11.410	-0.990
6/22/2017 9:39:25 AM	20.001	2.641	11.414	-0.995
6/22/2017 9:39:26 AM	21.001	2.641	11.417	-0.995
6/22/2017 9:39:27 AM	22.001	2.645	11.422	-1.004
6/22/2017 9:39:28 AM	23.001	2.644	11.426	-1.002
6/22/2017 9:39:29 AM	24.000	2.646	11.428	-1.007
6/22/2017 9:39:30 AM	25.000	2.646	11.434	-1.008
6/22/2017 9:39:31 AM	26.000	2.645	11.436	-1.004
6/22/2017 9:39:32 AM	27.000	2.647	11.441	-1.008
6/22/2017 9:39:33 AM	28.000	2.648	11.442	-1.010
6/22/2017 9:39:34 AM	29.000	2.648	11.446	-1.011
6/22/2017 9:39:35 AM	30.001	2.642	11.449	-0.997
6/22/2017 9:39:36 AM	31.001	2.647	11.455	-1.009
6/22/2017 9:39:37 AM	32.001	2.647	11.453	-1.010
6/22/2017 9:39:38 AM	33.001	2.647	11.459	-1.009
6/22/2017 9:39:39 AM	34.001	2.647	11.460	-1.009
6/22/2017 9:39:40 AM	35.002	2.656	11.540	-1.030
6/22/2017 9:39:41 AM	36.241	2.651	11.484	-1.018
6/22/2017 9:39:42 AM	37.001	2.648	11.484	-1.012
6/22/2017 9:39:43 AM	38.001	2.648	11.481	-1.012
6/22/2017 9:39:44 AM	39.001	2.646	11.480	-1.007
6/22/2017 9:39:45 AM	40.001	2.647	11.481	-1.009

6/22/2017 9:39:46 AM	41.001	2.646	11.483	-1.005
6/22/2017 9:39:47 AM	42.001	2.648	11.483	-1.010
6/22/2017 9:39:48 AM	43.001	2.648	11.487	-1.012
6/22/2017 9:39:49 AM	44.001	2.648	11.490	-1.012
6/22/2017 9:39:50 AM	45.001	2.648	11.491	-1.011
6/22/2017 9:39:51 AM	46.001	2.645	11.490	-1.004
6/22/2017 9:39:52 AM	47.000	2.648	11.494	-1.011
6/22/2017 9:39:53 AM	48.198	2.648	11.518	-1.010
6/22/2017 9:39:54 AM	49.000	2.649	11.505	-1.014
6/22/2017 9:39:55 AM	50.000	2.649	11.505	-1.013
6/22/2017 9:39:56 AM	51.000	2.648	11.504	-1.011
6/22/2017 9:39:57 AM	52.000	2.649	11.503	-1.013
6/22/2017 9:39:58 AM	53.000	2.647	11.505	-1.009
6/22/2017 9:39:59 AM	54.001	2.647	11.507	-1.010
6/22/2017 9:40:00 AM	55.001	2.647	11.509	-1.009
6/22/2017 9:40:01 AM	56.001	2.648	11.512	-1.011
6/22/2017 9:40:02 AM	57.000	2.648	11.511	-1.011
6/22/2017 9:40:03 AM	58.238	2.647	11.534	-1.010
6/22/2017 9:40:04 AM	59.000	2.647	11.517	-1.008
6/22/2017 9:40:05 AM	60.000	2.646	11.519	-1.006
6/22/2017 9:40:06 AM	61.000	2.647	11.517	-1.010
6/22/2017 9:40:07 AM	62.000	2.647	11.519	-1.008
6/22/2017 9:40:08 AM	63.000	2.647	11.520	-1.009
6/22/2017 9:40:09 AM	64.000	2.646	11.519	-1.007
6/22/2017 9:40:10 AM	65.001	2.645	11.521	-1.005
6/22/2017 9:40:11 AM	66.001	2.646	11.523	-1.008
6/22/2017 9:40:12 AM	67.000	2.646	11.524	-1.006
6/22/2017 9:40:13 AM	68.197	2.646	11.548	-1.007
6/22/2017 9:40:14 AM	69.000	2.647	11.532	-1.008
6/22/2017 9:40:15 AM	70.000	2.647	11.532	-1.008
6/22/2017 9:40:16 AM	71.000	2.646	11.533	-1.006
6/22/2017 9:40:17 AM	72.000	2.645	11.527	-1.004
6/22/2017 9:40:18 AM	73.000	2.646	11.530	-1.006
6/22/2017 9:40:19 AM	74.000	2.647	11.531	-1.009
6/22/2017 9:40:20 AM	75.000	2.645	11.533	-1.004
6/22/2017 9:40:21 AM	76.000	2.645	11.531	-1.004
6/22/2017 9:40:22 AM	77.000	2.645	11.534	-1.004
6/22/2017 9:40:23 AM	78.198	2.645	11.556	-1.005
6/22/2017 9:40:24 AM	79.000	2.646	11.547	-1.006
6/22/2017 9:40:25 AM	80.000	2.645	11.542	-1.004
6/22/2017 9:40:26 AM	81.000	2.645	11.540	-1.005
6/22/2017 9:40:27 AM	82.000	2.643	11.543	-1.001
6/22/2017 9:40:28 AM	83.000	2.645	11.540	-1.004
6/22/2017 9:40:29 AM	84.001	2.644	11.542	-1.001
6/22/2017 9:40:30 AM	85.000	2.644	11.542	-1.002
6/22/2017 9:40:31 AM	86.000	2.645	11.545	-1.003
6/22/2017 9:40:32 AM	87.155	2.645	11.566	-1.003
6/22/2017 9:40:33 AM	88.000	2.644	11.554	-1.002
6/22/2017 9:40:34 AM	89.000	2.644	11.550	-1.002
6/22/2017 9:40:35 AM	90.000	2.644	11.552	-1.003
6/22/2017 9:40:36 AM	91.000	2.644	11.549	-1.001
6/22/2017 9:40:37 AM	92.000	2.644	11.551	-1.002
6/22/2017 9:40:38 AM	93.000	2.645	11.551	-1.005
6/22/2017 9:40:39 AM	94.000	2.646	11.552	-1.006
6/22/2017 9:40:40 AM	95.000	2.643	11.553	-1.001
6/22/2017 9:40:41 AM	96.000	2.645	11.555	-1.004
6/22/2017 9:40:42 AM	97.011	2.644	11.554	-1.002
6/22/2017 9:40:43 AM	98.000	2.645	11.556	-1.004
6/22/2017 9:40:44 AM	99.000	2.645	11.556	-1.004
6/22/2017 9:40:45 AM	100.000	2.643	11.558	-1.001
6/22/2017 9:40:46 AM	101.000	2.649	11.602	-1.015
6/22/2017 9:40:47 AM	102.000	2.648	11.570	-1.011
6/22/2017 9:40:48 AM	103.000	2.646	11.565	-1.007

6/22/2017 9:40:49 AM	104.000	2.646	11.562	-1.006
6/22/2017 9:40:50 AM	105.000	2.646	11.563	-1.007
6/22/2017 9:40:51 AM	106.000	2.646	11.563	-1.006
6/22/2017 9:40:52 AM	107.000	2.644	11.563	-1.002
6/22/2017 9:40:53 AM	108.000	2.645	11.566	-1.004
6/22/2017 9:40:54 AM	109.000	2.644	11.567	-1.001
6/22/2017 9:40:55 AM	110.000	2.644	11.567	-1.001
6/22/2017 9:40:56 AM	111.000	2.644	11.565	-1.001
6/22/2017 9:40:57 AM	112.000	2.643	11.568	-0.999
6/22/2017 9:40:58 AM	113.000	2.644	11.569	-1.002
6/22/2017 9:40:59 AM	114.000	2.643	11.567	-0.999
6/22/2017 9:41:00 AM	115.001	2.643	11.570	-0.999
6/22/2017 9:41:01 AM	116.001	2.643	11.572	-1.001
6/22/2017 9:41:02 AM	117.001	2.644	11.571	-1.002
6/22/2017 9:41:03 AM	118.001	2.641	11.576	-0.996
6/22/2017 9:41:04 AM	119.001	2.644	11.574	-1.001
6/22/2017 9:41:05 AM	120.001	2.643	11.575	-0.999
6/22/2017 9:41:06 AM	121.001	2.644	11.576	-1.001
6/22/2017 9:41:07 AM	122.001	2.643	11.577	-1.000
6/22/2017 9:41:08 AM	123.001	2.644	11.579	-1.003
6/22/2017 9:41:09 AM	124.001	2.644	11.576	-1.003
6/22/2017 9:41:10 AM	125.001	2.643	11.580	-1.001
6/22/2017 9:41:11 AM	126.001	2.642	11.582	-0.998
6/22/2017 9:41:12 AM	127.001	2.641	11.582	-0.996
6/22/2017 9:41:13 AM	128.001	2.643	11.582	-1.000
6/22/2017 9:41:14 AM	129.001	2.643	11.587	-1.000
6/22/2017 9:41:15 AM	130.001	2.643	11.583	-1.001
6/22/2017 9:41:16 AM	131.001	2.642	11.586	-0.997
6/22/2017 9:41:17 AM	132.001	2.643	11.585	-0.999
6/22/2017 9:41:18 AM	133.000	2.641	11.587	-0.995
6/22/2017 9:41:19 AM	134.000	2.642	11.589	-0.998
6/22/2017 9:41:20 AM	135.000	2.642	11.590	-0.998
6/22/2017 9:41:21 AM	136.000	2.642	11.590	-0.998
6/22/2017 9:41:22 AM	137.000	2.642	11.591	-0.997
6/22/2017 9:41:23 AM	138.000	2.641	11.593	-0.995
6/22/2017 9:41:24 AM	139.001	2.642	11.596	-0.998
6/22/2017 9:41:25 AM	140.001	2.643	11.595	-0.999
6/22/2017 9:41:26 AM	141.001	2.641	11.596	-0.996
6/22/2017 9:41:27 AM	142.001	2.641	11.597	-0.995
6/22/2017 9:41:28 AM	143.001	2.640	11.596	-0.993
6/22/2017 9:41:29 AM	144.001	2.642	11.598	-0.997
6/22/2017 9:41:30 AM	145.001	2.642	11.599	-0.997
6/22/2017 9:41:31 AM	146.000	2.642	11.598	-0.997
6/22/2017 9:41:32 AM	147.000	2.642	11.602	-0.998
6/22/2017 9:41:33 AM	148.000	2.642	11.604	-0.998
6/22/2017 9:41:34 AM	149.000	2.641	11.605	-0.996
6/22/2017 9:41:35 AM	150.000	2.642	11.604	-0.998
6/22/2017 9:41:36 AM	151.000	2.641	11.604	-0.995
6/22/2017 9:41:37 AM	152.001	2.642	11.605	-0.997
6/22/2017 9:41:38 AM	153.001	2.641	11.606	-0.995
6/22/2017 9:41:39 AM	154.001	2.642	11.605	-0.998
6/22/2017 9:41:40 AM	155.001	2.641	11.609	-0.994
6/22/2017 9:41:41 AM	156.001	2.642	11.607	-0.997
6/22/2017 9:41:42 AM	157.001	2.641	11.610	-0.996
6/22/2017 9:41:43 AM	158.001	2.640	11.610	-0.993
6/22/2017 9:41:44 AM	159.000	2.641	11.609	-0.995
6/22/2017 9:41:45 AM	160.000	2.642	11.611	-0.997
6/22/2017 9:41:46 AM	161.000	2.642	11.611	-0.997
6/22/2017 9:41:47 AM	162.000	2.642	11.615	-0.998
6/22/2017 9:41:48 AM	163.000	2.642	11.614	-0.997
6/22/2017 9:41:49 AM	164.000	2.641	11.614	-0.994
6/22/2017 9:41:50 AM	165.001	2.640	11.616	-0.994
6/22/2017 9:41:51 AM	166.001	2.640	11.618	-0.992

6/22/2017 9:41:52 AM	167.001	2.642	11.617	-0.996
6/22/2017 9:41:53 AM	168.001	2.640	11.615	-0.992
6/22/2017 9:41:54 AM	169.001	2.640	11.618	-0.993
6/22/2017 9:41:55 AM	170.001	2.641	11.618	-0.995
6/22/2017 9:41:56 AM	171.001	2.640	11.620	-0.993
6/22/2017 9:41:57 AM	172.000	2.640	11.622	-0.994
6/22/2017 9:41:58 AM	173.000	2.640	11.623	-0.994
6/22/2017 9:41:59 AM	174.000	2.642	11.620	-0.998
6/22/2017 9:42:00 AM	175.000	2.640	11.623	-0.993
6/22/2017 9:42:01 AM	176.000	2.640	11.623	-0.992
6/22/2017 9:42:02 AM	177.000	2.640	11.623	-0.993
6/22/2017 9:42:03 AM	178.001	2.641	11.625	-0.994
6/22/2017 9:42:04 AM	179.001	2.640	11.622	-0.993
6/22/2017 9:42:05 AM	180.001	2.641	11.626	-0.996
6/22/2017 9:42:06 AM	181.001	2.642	11.628	-0.997
6/22/2017 9:42:07 AM	182.001	2.641	11.626	-0.995
6/22/2017 9:42:08 AM	183.001	2.640	11.627	-0.992
6/22/2017 9:42:09 AM	184.001	2.640	11.629	-0.992
6/22/2017 9:42:10 AM	185.000	2.640	11.631	-0.993
6/22/2017 9:42:11 AM	186.000	2.641	11.632	-0.995
6/22/2017 9:42:12 AM	187.000	2.640	11.628	-0.994
6/22/2017 9:42:13 AM	188.000	2.642	11.632	-0.997
6/22/2017 9:42:14 AM	189.000	2.641	11.635	-0.994
6/22/2017 9:42:15 AM	190.000	2.641	11.636	-0.995
6/22/2017 9:42:16 AM	191.001	2.640	11.635	-0.994
6/22/2017 9:42:17 AM	192.001	2.640	11.634	-0.994
6/22/2017 9:42:18 AM	193.001	2.639	11.633	-0.990
6/22/2017 9:42:19 AM	194.001	2.641	11.636	-0.995
6/22/2017 9:42:20 AM	195.001	2.642	11.636	-0.997
6/22/2017 9:42:21 AM	196.001	2.641	11.637	-0.996
6/22/2017 9:42:22 AM	197.001	2.641	11.638	-0.996
6/22/2017 9:42:23 AM	198.001	2.640	11.640	-0.993
6/22/2017 9:42:24 AM	199.001	2.640	11.639	-0.992
6/22/2017 9:42:25 AM	200.001	2.641	11.639	-0.995
6/22/2017 9:42:26 AM	201.001	2.640	11.637	-0.992
6/22/2017 9:42:27 AM	202.001	2.640	11.642	-0.993
6/22/2017 9:42:28 AM	203.001	2.640	11.645	-0.993
6/22/2017 9:42:29 AM	204.001	2.641	11.642	-0.995
6/22/2017 9:42:30 AM	205.001	2.641	11.641	-0.995
6/22/2017 9:42:31 AM	206.001	2.641	11.642	-0.994
6/22/2017 9:42:32 AM	207.001	2.641	11.644	-0.995
6/22/2017 9:42:33 AM	208.001	2.640	11.645	-0.993
6/22/2017 9:42:34 AM	209.001	2.640	11.644	-0.992
6/22/2017 9:42:35 AM	210.000	2.642	11.647	-0.997
6/22/2017 9:42:36 AM	211.000	2.640	11.647	-0.993
6/22/2017 9:42:37 AM	212.000	2.641	11.647	-0.994
6/22/2017 9:42:38 AM	213.000	2.640	11.649	-0.994
6/22/2017 9:42:39 AM	214.000	2.641	11.648	-0.994
6/22/2017 9:42:40 AM	215.000	2.638	11.650	-0.988
6/22/2017 9:42:41 AM	216.001	2.641	11.650	-0.994
6/22/2017 9:42:42 AM	217.001	2.640	11.648	-0.993
6/22/2017 9:42:43 AM	218.001	2.640	11.652	-0.992
6/22/2017 9:42:44 AM	219.001	2.640	11.654	-0.993
6/22/2017 9:42:45 AM	220.001	2.640	11.650	-0.993
6/22/2017 9:42:46 AM	221.001	2.639	11.654	-0.991
6/22/2017 9:42:47 AM	222.001	2.640	11.654	-0.993
6/22/2017 9:42:48 AM	223.000	2.640	11.654	-0.992
6/22/2017 9:42:49 AM	224.000	2.637	11.656	-0.987
6/22/2017 9:42:50 AM	225.000	2.639	11.657	-0.990
6/22/2017 9:42:51 AM	226.000	2.640	11.658	-0.994
6/22/2017 9:42:52 AM	227.000	2.639	11.658	-0.991
6/22/2017 9:42:53 AM	228.001	2.638	11.658	-0.989
6/22/2017 9:42:54 AM	229.001	2.638	11.660	-0.989

6/22/2017 9:42:55 AM	230.001	2.640	11.660	-0.992
6/22/2017 9:42:56 AM	231.001	2.640	11.662	-0.993
6/22/2017 9:42:57 AM	232.001	2.639	11.662	-0.991
6/22/2017 9:42:58 AM	233.001	2.639	11.663	-0.992
6/22/2017 9:42:59 AM	234.001	2.639	11.665	-0.990
6/22/2017 9:43:00 AM	235.000	2.639	11.664	-0.991
6/22/2017 9:43:01 AM	236.000	2.640	11.663	-0.993
6/22/2017 9:43:02 AM	237.000	2.640	11.665	-0.994
6/22/2017 9:43:03 AM	238.000	2.638	11.666	-0.989
6/22/2017 9:43:04 AM	239.000	2.639	11.665	-0.991
6/22/2017 9:43:05 AM	240.000	2.640	11.667	-0.992
6/22/2017 9:43:06 AM	241.001	2.638	11.665	-0.989
6/22/2017 9:43:07 AM	242.001	2.638	11.666	-0.987
6/22/2017 9:43:08 AM	243.001	2.639	11.667	-0.991
6/22/2017 9:43:09 AM	244.001	2.639	11.670	-0.990
6/22/2017 9:43:10 AM	245.001	2.641	11.670	-0.995
6/22/2017 9:43:11 AM	246.001	2.640	11.668	-0.992
6/22/2017 9:43:12 AM	247.001	2.639	11.670	-0.991
6/22/2017 9:43:13 AM	248.000	2.640	11.671	-0.993
6/22/2017 9:43:14 AM	249.000	2.639	11.672	-0.990
6/22/2017 9:43:15 AM	250.000	2.641	11.671	-0.995
6/22/2017 9:43:16 AM	251.000	2.639	11.673	-0.990
6/22/2017 9:43:17 AM	252.000	2.639	11.672	-0.991
6/22/2017 9:43:18 AM	253.000	2.638	11.674	-0.988
6/22/2017 9:43:19 AM	254.001	2.640	11.674	-0.992
6/22/2017 9:43:20 AM	255.001	2.640	11.675	-0.993
6/22/2017 9:43:21 AM	256.001	2.640	11.675	-0.992
6/22/2017 9:43:22 AM	257.000	2.638	11.678	-0.989
6/22/2017 9:43:23 AM	258.030	2.643	11.674	-1.001
6/22/2017 9:43:24 AM	259.000	2.642	11.676	-0.998
6/22/2017 9:43:25 AM	260.000	2.640	11.678	-0.992
6/22/2017 9:43:26 AM	261.000	2.640	11.676	-0.992
6/22/2017 9:43:27 AM	262.000	2.638	11.678	-0.988
6/22/2017 9:43:28 AM	263.000	2.639	11.682	-0.990
6/22/2017 9:43:29 AM	264.000	2.640	11.681	-0.992
6/22/2017 9:43:30 AM	265.001	2.639	11.679	-0.990
6/22/2017 9:43:31 AM	266.001	2.638	11.683	-0.988
6/22/2017 9:43:32 AM	267.000	2.639	11.680	-0.990
6/22/2017 9:43:33 AM	268.439	2.638	11.700	-0.989
6/22/2017 9:43:34 AM	269.000	2.638	11.699	-0.988
6/22/2017 9:43:35 AM	270.000	2.636	11.687	-0.984
6/22/2017 9:43:36 AM	271.000	2.639	11.687	-0.990
6/22/2017 9:43:37 AM	272.000	2.636	11.686	-0.984
6/22/2017 9:43:38 AM	273.000	2.636	11.689	-0.983
6/22/2017 9:43:39 AM	274.000	2.638	11.686	-0.988
6/22/2017 9:43:40 AM	275.000	2.638	11.683	-0.988
6/22/2017 9:43:41 AM	276.000	2.637	11.686	-0.986
6/22/2017 9:43:42 AM	277.398	2.637	11.708	-0.987
6/22/2017 9:43:43 AM	278.000	2.636	11.702	-0.983
6/22/2017 9:43:44 AM	279.000	2.636	11.697	-0.983
6/22/2017 9:43:45 AM	280.000	2.637	11.691	-0.986
6/22/2017 9:43:46 AM	281.000	2.638	11.691	-0.988
6/22/2017 9:43:47 AM	282.000	2.637	11.690	-0.986
6/22/2017 9:43:48 AM	283.001	2.636	11.692	-0.983
6/22/2017 9:43:49 AM	284.001	2.638	11.696	-0.987
6/22/2017 9:43:50 AM	285.000	2.637	11.694	-0.985
6/22/2017 9:43:51 AM	286.000	2.638	11.695	-0.987
6/22/2017 9:43:52 AM	287.397	2.636	11.712	-0.984
6/22/2017 9:43:53 AM	288.000	2.638	11.708	-0.988
6/22/2017 9:43:54 AM	289.000	2.636	11.701	-0.984
6/22/2017 9:43:55 AM	290.000	2.637	11.696	-0.985
6/22/2017 9:43:56 AM	291.000	2.635	11.698	-0.982
6/22/2017 9:43:57 AM	292.000	2.636	11.698	-0.984

6/22/2017 9:43:58 AM	293.001	2.637	11.700	-0.985
6/22/2017 9:43:59 AM	294.001	2.635	11.698	-0.982
6/22/2017 9:44:00 AM	295.001	2.636	11.697	-0.984
6/22/2017 9:44:01 AM	296.001	2.635	11.697	-0.980
6/22/2017 9:44:02 AM	297.001	2.636	11.697	-0.985
6/22/2017 9:44:03 AM	298.001	2.637	11.701	-0.985
6/22/2017 9:44:04 AM	299.001	2.635	11.699	-0.981
6/22/2017 9:44:05 AM	300.001	2.637	11.701	-0.985
6/22/2017 9:45:05 AM	360.001	2.634	11.678	-0.978
6/22/2017 9:46:05 AM	420.001	2.632	11.678	-0.973
6/22/2017 9:47:05 AM	480.001	2.629	11.678	-0.966
6/22/2017 9:48:05 AM	540.001	2.626	11.680	-0.960
6/22/2017 9:49:05 AM	600.001	2.624	11.679	-0.955
6/22/2017 9:50:05 AM	660.001	2.622	11.681	-0.950
6/22/2017 9:51:05 AM	720.001	2.619	11.684	-0.945
6/22/2017 9:52:05 AM	780.001	2.618	11.683	-0.941
6/22/2017 9:53:05 AM	840.001	2.614	11.675	-0.933
6/22/2017 9:54:05 AM	900.001	2.613	11.670	-0.931
6/22/2017 9:55:05 AM	960.001	2.610	11.664	-0.923
6/22/2017 9:56:05 AM	1020.001	2.608	11.657	-0.919
6/22/2017 9:57:05 AM	1080.001	2.606	11.652	-0.914
6/22/2017 9:58:05 AM	1140.001	2.605	11.646	-0.911
6/22/2017 9:59:05 AM	1200.001	2.604	11.639	-0.909
6/22/2017 10:00:05 AM	1260.001	2.600	11.635	-0.901
6/22/2017 10:01:05 AM	1320.001	2.597	11.626	-0.894
6/22/2017 10:02:05 AM	1380.001	2.598	11.622	-0.896
6/22/2017 10:03:05 AM	1440.001	2.595	11.609	-0.889
6/22/2017 10:04:05 AM	1500.001	2.590	11.608	-0.878
6/22/2017 10:05:05 AM	1560.001	2.592	11.603	-0.881
6/22/2017 10:06:05 AM	1620.001	2.590	11.598	-0.878
6/22/2017 10:07:05 AM	1680.001	2.588	11.595	-0.873
6/22/2017 10:08:05 AM	1740.001	2.587	11.590	-0.870
6/22/2017 10:09:05 AM	1800.001	2.585	11.586	-0.866
6/22/2017 10:10:05 AM	1860.001	2.585	11.579	-0.866
6/22/2017 10:11:05 AM	1920.001	2.583	11.576	-0.860
6/22/2017 10:12:05 AM	1980.001	2.581	11.569	-0.856
6/22/2017 10:13:05 AM	2040.001	2.579	11.563	-0.851
6/22/2017 10:14:05 AM	2100.001	2.579	11.555	-0.852
6/22/2017 10:15:05 AM	2160.001	2.577	11.547	-0.848
6/22/2017 10:16:05 AM	2220.001	2.575	11.547	-0.843
6/22/2017 10:17:05 AM	2280.001	2.574	11.537	-0.840
6/22/2017 10:18:05 AM	2340.001	2.573	11.535	-0.838
6/22/2017 10:19:05 AM	2400.001	2.572	11.527	-0.835
6/22/2017 10:20:05 AM	2460.001	2.570	11.522	-0.830
6/22/2017 10:21:05 AM	2520.001	2.566	11.520	-0.821
6/22/2017 10:22:05 AM	2580.001	2.567	11.517	-0.824
6/22/2017 10:23:05 AM	2640.001	2.565	11.512	-0.819
6/22/2017 10:24:05 AM	2700.001	2.565	11.514	-0.819
6/22/2017 10:25:05 AM	2760.001	2.565	11.509	-0.819
6/22/2017 10:26:05 AM	2820.001	2.562	11.503	-0.813
6/22/2017 10:27:05 AM	2880.001	2.560	11.497	-0.808
6/22/2017 10:28:05 AM	2940.001	2.558	11.489	-0.805
6/22/2017 10:29:05 AM	3000.001	2.556	11.488	-0.798
6/22/2017 10:30:05 AM	3060.001	2.555	11.485	-0.797
6/22/2017 10:31:05 AM	3120.001	2.556	11.480	-0.798
6/22/2017 10:32:05 AM	3180.001	2.552	11.475	-0.790
6/22/2017 10:33:05 AM	3240.001	2.550	11.471	-0.784
6/22/2017 10:34:05 AM	3300.001	2.551	11.469	-0.788
6/22/2017 10:35:05 AM	3360.001	2.549	11.466	-0.782
6/22/2017 10:36:05 AM	3420.001	2.547	11.462	-0.779
6/22/2017 10:37:05 AM	3480.001	2.546	11.461	-0.775
6/22/2017 10:38:05 AM	3540.001	2.545	11.454	-0.772
6/22/2017 10:39:05 AM	3600.001	2.543	11.456	-0.769

6/22/2017 10:40:05 AM	3660.001	2.541	11.464	-0.764
6/22/2017 10:41:05 AM	3720.001	2.541	11.465	-0.764
6/22/2017 10:42:05 AM	3780.001	2.538	11.461	-0.757
6/22/2017 10:43:05 AM	3840.001	2.537	11.460	-0.754
6/22/2017 10:44:05 AM	3900.001	2.535	11.461	-0.750
6/22/2017 10:45:05 AM	3960.001	2.536	11.452	-0.752
6/22/2017 10:46:05 AM	4020.001	2.533	11.444	-0.746
6/22/2017 10:47:05 AM	4080.001	2.532	11.441	-0.743
6/22/2017 10:48:05 AM	4140.001	2.532	11.436	-0.743
6/22/2017 10:49:05 AM	4200.001	2.530	11.431	-0.739
6/22/2017 10:50:05 AM	4260.001	2.529	11.431	-0.736
6/22/2017 10:51:05 AM	4320.001	2.527	11.428	-0.732
6/22/2017 10:52:05 AM	4380.001	2.525	11.424	-0.728
6/22/2017 10:53:05 AM	4440.001	2.525	11.422	-0.727
6/22/2017 10:54:05 AM	4500.001	2.522	11.422	-0.721
6/22/2017 10:55:05 AM	4560.001	2.522	11.422	-0.720
6/22/2017 10:56:05 AM	4620.001	2.522	11.419	-0.720
6/22/2017 10:57:05 AM	4680.001	2.517	11.419	-0.709
6/22/2017 10:58:05 AM	4740.001	2.517	11.415	-0.709
6/22/2017 10:59:05 AM	4800.001	2.514	11.412	-0.702
6/22/2017 11:00:05 AM	4860.001	2.515	11.412	-0.703
6/22/2017 11:01:05 AM	4920.001	2.513	11.412	-0.699
6/22/2017 11:02:05 AM	4980.001	2.513	11.407	-0.699
6/22/2017 11:03:05 AM	5040.001	2.509	11.409	-0.691
6/22/2017 11:04:05 AM	5100.001	2.508	11.404	-0.689
6/22/2017 11:05:05 AM	5160.001	2.506	11.404	-0.684
6/22/2017 11:06:05 AM	5220.001	2.505	11.404	-0.682
6/22/2017 11:07:05 AM	5280.001	2.504	11.402	-0.678
6/22/2017 11:08:05 AM	5340.001	2.502	11.402	-0.674
6/22/2017 11:09:05 AM	5400.001	2.500	11.400	-0.669
6/22/2017 11:10:05 AM	5460.001	2.501	11.398	-0.671
6/22/2017 11:11:05 AM	5520.001	2.498	11.398	-0.665
6/22/2017 11:12:05 AM	5580.001	2.497	11.395	-0.663
6/22/2017 11:13:05 AM	5640.001	2.497	11.397	-0.663
6/22/2017 11:14:05 AM	5700.001	2.493	11.395	-0.654
6/22/2017 11:15:05 AM	5760.001	2.494	11.397	-0.656
6/22/2017 11:16:05 AM	5820.001	2.492	11.394	-0.652
6/22/2017 11:17:05 AM	5880.001	2.492	11.397	-0.652
6/22/2017 11:18:05 AM	5940.001	2.491	11.392	-0.648
6/22/2017 11:19:05 AM	6000.001	2.489	11.392	-0.644
6/22/2017 11:20:05 AM	6060.001	2.488	11.392	-0.641
6/22/2017 11:21:05 AM	6120.001	2.487	11.392	-0.640
6/22/2017 11:22:05 AM	6180.001	2.485	11.391	-0.636
6/22/2017 11:23:05 AM	6240.001	2.484	11.390	-0.633
6/22/2017 11:24:05 AM	6300.001	2.483	11.385	-0.630
6/22/2017 11:25:05 AM	6360.001	2.481	11.384	-0.625
6/22/2017 11:26:05 AM	6420.001	2.481	11.386	-0.626
6/22/2017 11:27:05 AM	6480.001	2.480	11.389	-0.623
6/22/2017 11:28:05 AM	6540.001	2.476	11.382	-0.615
6/22/2017 11:29:05 AM	6600.001	2.476	11.384	-0.615
6/22/2017 11:30:05 AM	6660.001	2.474	11.382	-0.609
6/22/2017 11:31:05 AM	6720.001	2.473	11.381	-0.606
6/22/2017 11:32:05 AM	6780.001	2.470	11.380	-0.600
6/22/2017 11:33:05 AM	6840.001	2.469	11.380	-0.597
6/22/2017 11:34:05 AM	6900.001	2.467	11.381	-0.592
6/22/2017 11:35:05 AM	6960.001	2.464	11.381	-0.586
6/22/2017 11:36:05 AM	7020.001	2.462	11.380	-0.581
6/22/2017 11:37:05 AM	7080.001	2.462	11.379	-0.581
6/22/2017 11:38:05 AM	7140.001	2.458	11.379	-0.573
6/22/2017 11:39:05 AM	7200.001	2.458	11.379	-0.572
6/22/2017 11:40:05 AM	7260.001	2.457	11.378	-0.570
6/22/2017 11:41:05 AM	7320.001	2.456	11.376	-0.568
6/22/2017 11:42:05 AM	7380.001	2.452	11.377	-0.560

6/22/2017 11:43:05 AM	7440.001	2.450	11.380	-0.553
6/22/2017 11:44:05 AM	7500.001	2.449	11.375	-0.551
6/22/2017 11:45:05 AM	7560.001	2.449	11.379	-0.552
6/22/2017 11:46:05 AM	7620.001	2.447	11.377	-0.548
6/22/2017 11:47:05 AM	7680.001	2.442	11.376	-0.537
6/22/2017 11:48:05 AM	7740.001	2.442	11.376	-0.536
6/22/2017 11:49:05 AM	7800.001	2.443	11.378	-0.538
6/22/2017 11:50:05 AM	7860.001	2.439	11.378	-0.530
6/22/2017 11:51:05 AM	7920.001	2.438	11.383	-0.526
6/22/2017 11:52:05 AM	7980.001	2.437	11.385	-0.524
6/22/2017 11:53:05 AM	8040.001	2.433	11.390	-0.516
6/22/2017 11:54:05 AM	8100.001	2.432	11.389	-0.513
6/22/2017 11:55:05 AM	8160.001	2.430	11.389	-0.507
6/22/2017 11:56:05 AM	8220.001	2.430	11.387	-0.508
6/22/2017 11:57:05 AM	8280.001	2.427	11.388	-0.501
6/22/2017 11:58:05 AM	8340.001	2.428	11.388	-0.503
6/22/2017 11:59:05 AM	8400.001	2.427	11.386	-0.502
6/22/2017 12:00:05 PM	8460.001	2.425	11.386	-0.497
6/22/2017 12:01:05 PM	8520.001	2.424	11.387	-0.493
6/22/2017 12:02:05 PM	8580.001	2.422	11.386	-0.490
6/22/2017 12:03:05 PM	8640.001	2.422	11.384	-0.488
6/22/2017 12:04:05 PM	8700.001	2.420	11.388	-0.486
6/22/2017 12:05:05 PM	8760.001	2.420	11.385	-0.484
6/22/2017 12:06:05 PM	8820.001	2.418	11.387	-0.480
6/22/2017 12:07:05 PM	8880.001	2.415	11.377	-0.473
6/22/2017 12:08:05 PM	8940.001	2.416	11.373	-0.475
6/22/2017 12:09:05 PM	9000.001	2.414	11.373	-0.472
6/22/2017 12:10:05 PM	9060.001	2.413	11.373	-0.469
6/22/2017 12:11:05 PM	9120.001	2.411	11.370	-0.465
6/22/2017 12:12:05 PM	9180.001	2.411	11.370	-0.463
6/22/2017 12:13:05 PM	9240.001	2.409	11.370	-0.461
6/22/2017 12:14:05 PM	9300.001	2.408	11.368	-0.457
6/22/2017 12:15:05 PM	9360.001	2.407	11.367	-0.454
6/22/2017 12:16:05 PM	9420.001	2.407	11.364	-0.454
6/22/2017 12:17:05 PM	9480.001	2.405	11.365	-0.449
6/22/2017 12:18:05 PM	9540.001	2.403	11.364	-0.445
6/22/2017 12:19:05 PM	9600.001	2.403	11.366	-0.445
6/22/2017 12:20:05 PM	9660.001	2.400	11.362	-0.438
6/22/2017 12:21:05 PM	9720.001	2.398	11.363	-0.434
6/22/2017 12:22:05 PM	9780.001	2.397	11.364	-0.432
6/22/2017 12:23:05 PM	9840.001	2.395	11.361	-0.428
6/22/2017 12:24:05 PM	9900.001	2.394	11.364	-0.424
6/22/2017 12:25:05 PM	9960.001	2.394	11.358	-0.424
6/22/2017 12:26:05 PM	10020.001	2.390	11.360	-0.416
6/22/2017 12:27:05 PM	10080.001	2.388	11.360	-0.410
6/22/2017 12:28:05 PM	10140.001	2.386	11.357	-0.407
6/22/2017 12:29:05 PM	10200.001	2.386	11.360	-0.406
6/22/2017 12:30:05 PM	10260.001	2.382	11.360	-0.398
6/22/2017 12:31:05 PM	10320.001	2.381	11.358	-0.396
6/22/2017 12:32:05 PM	10380.001	2.378	11.358	-0.389
6/22/2017 12:33:05 PM	10440.001	2.375	11.359	-0.382
6/22/2017 12:34:05 PM	10500.001	2.374	11.355	-0.379
6/22/2017 12:35:05 PM	10560.001	2.372	11.356	-0.374
6/22/2017 12:36:05 PM	10620.001	2.368	11.355	-0.365
6/22/2017 12:37:05 PM	10680.001	2.366	11.356	-0.360
6/22/2017 12:38:05 PM	10740.001	2.364	11.359	-0.357
6/22/2017 12:39:05 PM	10800.001	2.363	11.361	-0.353
6/22/2017 12:40:05 PM	10860.001	2.362	11.356	-0.350
6/22/2017 12:41:05 PM	10920.001	2.358	11.354	-0.342
6/22/2017 12:42:05 PM	10980.001	2.356	11.357	-0.337
6/22/2017 12:43:05 PM	11040.001	2.355	11.353	-0.335
6/22/2017 12:44:05 PM	11100.001	2.351	11.355	-0.327
6/22/2017 12:45:05 PM	11160.001	2.349	11.356	-0.320

6/22/2017 12:46:05 PM	11220.001	2.348	11.354	-0.317
6/22/2017 12:47:05 PM	11280.001	2.344	11.354	-0.310
6/22/2017 12:48:05 PM	11340.001	2.324	11.356	-0.263
6/22/2017 12:49:05 PM	11400.001	2.322	11.354	-0.258
6/22/2017 12:50:05 PM	11460.001	2.320	11.355	-0.253
6/22/2017 12:51:05 PM	11520.001	2.317	11.354	-0.247
6/22/2017 12:52:05 PM	11580.001	2.317	11.355	-0.248
6/22/2017 12:53:05 PM	11640.001	2.316	11.354	-0.244
6/22/2017 12:54:05 PM	11700.001	2.315	11.353	-0.242
6/22/2017 12:55:05 PM	11760.001	2.315	11.352	-0.241
6/22/2017 12:56:05 PM	11820.001	2.312	11.351	-0.235
6/22/2017 12:57:05 PM	11880.001	2.313	11.350	-0.237
6/22/2017 12:58:05 PM	11940.001	2.311	11.354	-0.234
6/22/2017 12:59:05 PM	12000.001	2.311	11.352	-0.232
6/22/2017 1:00:05 PM	12060.001	2.309	11.353	-0.229
6/22/2017 1:01:05 PM	12120.001	2.308	11.349	-0.227
6/22/2017 1:02:05 PM	12180.001	2.305	11.351	-0.220
6/22/2017 1:03:05 PM	12240.001	2.305	11.353	-0.220
6/22/2017 1:04:05 PM	12300.001	2.304	11.351	-0.217
6/22/2017 1:05:05 PM	12360.001	2.303	11.344	-0.215
6/22/2017 1:06:05 PM	12420.001	2.304	11.351	-0.216
6/22/2017 1:07:05 PM	12480.001	2.302	11.351	-0.212
6/22/2017 1:08:05 PM	12540.001	2.300	11.351	-0.208
6/22/2017 1:09:05 PM	12600.001	2.302	11.347	-0.212
6/22/2017 1:10:05 PM	12660.001	2.302	11.348	-0.211
6/22/2017 1:11:05 PM	12720.001	2.302	11.349	-0.212
6/22/2017 1:12:05 PM	12780.001	2.300	11.349	-0.207
6/22/2017 1:13:05 PM	12840.001	2.298	11.347	-0.203
6/22/2017 1:14:05 PM	12900.001	2.297	11.346	-0.200
6/22/2017 1:15:05 PM	12960.001	2.296	11.346	-0.197
6/22/2017 1:16:05 PM	13020.001	2.296	11.349	-0.198
6/22/2017 1:17:05 PM	13080.001	2.295	11.348	-0.196
6/22/2017 1:18:05 PM	13140.001	2.294	11.346	-0.194
6/22/2017 1:19:05 PM	13200.001	2.293	11.351	-0.191
6/22/2017 1:20:05 PM	13260.001	2.292	11.347	-0.189
6/22/2017 1:21:05 PM	13320.001	2.291	11.344	-0.187
6/22/2017 1:22:05 PM	13380.001	2.290	11.345	-0.184
6/22/2017 1:23:05 PM	13440.001	2.290	11.347	-0.185
6/22/2017 1:24:05 PM	13500.001	2.289	11.346	-0.182
6/22/2017 1:25:05 PM	13560.001	2.287	11.345	-0.179
6/22/2017 1:26:05 PM	13620.001	2.288	11.347	-0.180
6/22/2017 1:27:05 PM	13680.001	2.286	11.348	-0.175
6/22/2017 1:28:05 PM	13740.001	2.286	11.342	-0.176
6/22/2017 1:29:05 PM	13800.001	2.284	11.345	-0.172
6/22/2017 1:30:05 PM	13860.001	2.284	11.347	-0.171
6/22/2017 1:31:05 PM	13920.001	2.282	11.346	-0.166
6/22/2017 1:32:05 PM	13980.001	2.283	11.346	-0.168
6/22/2017 1:33:05 PM	14040.001	2.282	11.343	-0.166
6/22/2017 1:34:05 PM	14100.001	2.280	11.343	-0.161
6/22/2017 1:35:05 PM	14160.001	2.279	11.345	-0.159
6/22/2017 1:36:05 PM	14220.001	2.279	11.342	-0.159
6/22/2017 1:37:05 PM	14280.001	2.279	11.345	-0.159
6/22/2017 1:38:05 PM	14340.001	2.278	11.342	-0.156
6/22/2017 1:39:05 PM	14400.001	2.278	11.344	-0.156
6/22/2017 1:40:05 PM	14460.001	2.279	11.343	-0.159
6/22/2017 1:41:05 PM	14520.001	2.277	11.345	-0.154
6/22/2017 1:42:05 PM	14580.001	2.276	11.346	-0.152
6/22/2017 1:43:05 PM	14640.001	2.278	11.353	-0.158
6/22/2017 1:44:05 PM	14700.001	2.277	11.356	-0.156

Report Date: 7/10/2017 9:36:18 AM
Report User Name: dalmond
Report Computer Name: PINEWRKMA25-PC
Application: WinSitu.exe
Application Version: 5.6.25.0

Log File Properties:
File Name: CH MW-021 FH2_2017-07-10_09-36-13-978.wsl
Create Date: 7/10/2017 9:26:10 AM

Device Properties:
Device: Level TROLL 700
Site: Camp Hero
Device Name: Level Troll 700
Serial Number: 402202
Firmware Version: 3.02
Hardware Version: 4
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 25
Used Battery(%): 12

Log Configuration
Log Name: CH MW-021 FH2
Created By: Unknown
Computer Name: Pocket PC
Application: WinSituMobile.exe
Application Version: 5.6.0.10
Create Date: 3/8/2006 9:51:15 AM Eastern Standard Time
Log Setup Time Zone: Eastern Standard Time
Notes Size(bytes): 4096
Overwrite when full: Disabled
Scheduled Start Time: Manual Start
Scheduled Stop Time: No Stop Time
Type: Step Test
Steps: 2 (Linear)
Step: 1
Duration: Days: 0 hrs: 00 mins: 05 secs: 00
Interval: Days: 0 hrs: 00 mins: 00 secs: 01
Step: 2
Duration: Days: 0 hrs: 17 mins: 00 secs: 00
Interval: Days: 0 hrs: 00 mins: 01 secs: 00

Level Reference Settings At Log Creation
Level Measurement Mode: Level Depth To Water
Specific Gravity: 0.999
Level Reference Mode: Set new reference
Level Reference Value: 0 (ft)
Level Reference Head Pressure: 3.36328 (PSI)

Other Log Settings
Pressure Offset: 0.00335646 (PSI)
Depth of Probe: 7.75939 (ft)
Head Pressure: 3.36054 (PSI)
Temperature: 11.5213 (C)

Log Notes:

Date and Time	Note
6/26/2017 3:31:39 PM	Used Battery: 12% Used Memory: 26% User Name: Unknown
6/26/2017 3:34:25 PM	Manual Start Command

Log Data:
Record Count: 1321
Sensors: 1
1 - 402202: Pressure/Temp 30 PSIG (21m/69ft)
Time Zone: Eastern Daylight Time

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 69ft SN#: 402202 Pressure (PSI)	Sensor: Pres(G) 69ft SN#: 402202 Temperature (C)	Sensor: Pres(G) 69ft SN#: 402202 Level Depth To Water (ft)
6/26/2017 3:34:26 PM	0.000	3.358	11.522	0.012
6/26/2017 3:34:27 PM	1.072	3.358	11.512	0.013
6/26/2017 3:34:28 PM	2.009	3.359	11.536	0.009
6/26/2017 3:34:29 PM	3.001	3.359	11.540	0.010
6/26/2017 3:34:30 PM	4.001	3.355	11.519	0.019
6/26/2017 3:34:31 PM	5.001	3.358	11.521	0.013
6/26/2017 3:34:32 PM	6.001	3.357	11.487	0.015
6/26/2017 3:34:33 PM	7.001	3.359	11.518	0.010
6/26/2017 3:34:34 PM	8.001	3.601	11.520	-0.549
6/26/2017 3:34:35 PM	9.001	3.547	11.499	-0.425
6/26/2017 3:34:36 PM	10.001	3.496	11.505	-0.306
6/26/2017 3:34:37 PM	11.001	3.562	11.521	-0.459
6/26/2017 3:34:38 PM	12.001	3.556	11.526	-0.446
6/26/2017 3:34:39 PM	13.001	3.554	11.518	-0.440
6/26/2017 3:34:40 PM	14.001	3.552	11.518	-0.437
6/26/2017 3:34:41 PM	15.001	3.546	11.521	-0.422
6/26/2017 3:34:42 PM	16.001	3.547	11.538	-0.425
6/26/2017 3:34:43 PM	17.001	3.544	11.511	-0.418
6/26/2017 3:34:44 PM	18.001	3.543	11.509	-0.416
6/26/2017 3:34:45 PM	19.001	3.544	11.510	-0.418
6/26/2017 3:34:46 PM	20.001	3.543	11.505	-0.414
6/26/2017 3:34:47 PM	21.001	3.543	11.534	-0.415
6/26/2017 3:34:48 PM	22.001	3.540	11.519	-0.407
6/26/2017 3:34:49 PM	23.001	3.540	11.490	-0.408
6/26/2017 3:34:50 PM	24.001	3.538	11.526	-0.404
6/26/2017 3:34:51 PM	25.001	3.535	11.522	-0.398
6/26/2017 3:34:52 PM	26.001	3.536	11.506	-0.399
6/26/2017 3:34:53 PM	27.001	3.539	11.517	-0.405
6/26/2017 3:34:54 PM	28.001	3.536	11.526	-0.399
6/26/2017 3:34:55 PM	29.001	3.538	11.513	-0.403
6/26/2017 3:34:56 PM	30.001	3.536	11.510	-0.400
6/26/2017 3:34:57 PM	31.001	3.538	11.524	-0.404
6/26/2017 3:34:58 PM	32.001	3.539	11.521	-0.405
6/26/2017 3:34:59 PM	33.001	3.535	11.533	-0.396
6/26/2017 3:35:00 PM	34.001	3.538	11.535	-0.405
6/26/2017 3:35:01 PM	35.001	3.537	11.525	-0.401
6/26/2017 3:35:02 PM	36.001	3.537	11.524	-0.401
6/26/2017 3:35:03 PM	37.001	3.533	11.532	-0.392
6/26/2017 3:35:04 PM	38.001	3.535	11.517	-0.397
6/26/2017 3:35:05 PM	39.001	3.535	11.524	-0.397
6/26/2017 3:35:06 PM	40.001	3.536	11.520	-0.399
6/26/2017 3:35:07 PM	41.001	3.537	11.546	-0.402
6/26/2017 3:35:08 PM	42.001	3.533	11.507	-0.392
6/26/2017 3:35:09 PM	43.001	3.534	11.496	-0.394
6/26/2017 3:35:10 PM	44.001	3.534	11.513	-0.395

6/26/2017 3:35:11 PM	45.001	3.534	11.526	-0.395
6/26/2017 3:35:12 PM	46.001	3.537	11.490	-0.401
6/26/2017 3:35:13 PM	47.001	3.533	11.527	-0.392
6/26/2017 3:35:14 PM	48.001	3.534	11.534	-0.394
6/26/2017 3:35:15 PM	49.001	3.534	11.537	-0.395
6/26/2017 3:35:16 PM	50.001	3.534	11.555	-0.395
6/26/2017 3:35:17 PM	51.001	3.534	11.527	-0.394
6/26/2017 3:35:18 PM	52.001	3.535	11.538	-0.397
6/26/2017 3:35:19 PM	53.001	3.535	11.532	-0.397
6/26/2017 3:35:20 PM	54.001	3.534	11.527	-0.395
6/26/2017 3:35:21 PM	55.001	3.534	11.530	-0.395
6/26/2017 3:35:22 PM	56.001	3.537	11.528	-0.400
6/26/2017 3:35:23 PM	57.001	3.532	11.535	-0.390
6/26/2017 3:35:24 PM	58.001	3.535	11.504	-0.398
6/26/2017 3:35:25 PM	59.001	3.533	11.539	-0.392
6/26/2017 3:35:26 PM	60.001	3.533	11.507	-0.392
6/26/2017 3:35:27 PM	61.001	3.532	11.557	-0.390
6/26/2017 3:35:28 PM	62.001	3.536	11.543	-0.398
6/26/2017 3:35:29 PM	63.001	3.533	11.535	-0.393
6/26/2017 3:35:30 PM	64.001	3.532	11.534	-0.390
6/26/2017 3:35:31 PM	65.001	3.532	11.515	-0.388
6/26/2017 3:35:32 PM	66.001	3.533	11.557	-0.393
6/26/2017 3:35:33 PM	67.001	3.535	11.513	-0.396
6/26/2017 3:35:34 PM	68.001	3.535	11.518	-0.396
6/26/2017 3:35:35 PM	69.001	3.535	11.518	-0.396
6/26/2017 3:35:36 PM	70.001	3.535	11.535	-0.397
6/26/2017 3:35:37 PM	71.001	3.532	11.522	-0.389
6/26/2017 3:35:38 PM	72.001	3.534	11.529	-0.393
6/26/2017 3:35:39 PM	73.001	3.534	11.524	-0.393
6/26/2017 3:35:40 PM	74.001	3.532	11.551	-0.390
6/26/2017 3:35:41 PM	75.001	3.533	11.524	-0.392
6/26/2017 3:35:42 PM	76.001	3.529	11.526	-0.384
6/26/2017 3:35:43 PM	77.001	3.533	11.506	-0.391
6/26/2017 3:35:44 PM	78.001	3.533	11.540	-0.391
6/26/2017 3:35:45 PM	79.001	3.532	11.515	-0.390
6/26/2017 3:35:46 PM	80.001	3.533	11.511	-0.392
6/26/2017 3:35:47 PM	81.001	3.533	11.527	-0.391
6/26/2017 3:35:48 PM	82.001	3.534	11.510	-0.395
6/26/2017 3:35:49 PM	83.001	3.535	11.507	-0.396
6/26/2017 3:35:50 PM	84.001	3.535	11.536	-0.396
6/26/2017 3:35:51 PM	85.001	3.540	11.507	-0.408
6/26/2017 3:35:52 PM	86.001	3.533	11.531	-0.392
6/26/2017 3:35:53 PM	87.001	3.533	11.540	-0.393
6/26/2017 3:35:54 PM	88.001	3.531	11.526	-0.388
6/26/2017 3:35:55 PM	89.001	3.533	11.533	-0.392
6/26/2017 3:35:56 PM	90.001	3.531	11.521	-0.387
6/26/2017 3:35:57 PM	91.001	3.533	11.524	-0.392
6/26/2017 3:35:58 PM	92.001	3.533	11.504	-0.392
6/26/2017 3:35:59 PM	93.001	3.535	11.523	-0.397
6/26/2017 3:36:00 PM	94.001	3.533	11.527	-0.391
6/26/2017 3:36:01 PM	95.001	3.532	11.524	-0.390
6/26/2017 3:36:02 PM	96.001	3.533	11.552	-0.391
6/26/2017 3:36:03 PM	97.001	3.534	11.513	-0.395
6/26/2017 3:36:04 PM	98.001	3.536	11.550	-0.399
6/26/2017 3:36:05 PM	99.001	3.532	11.549	-0.390
6/26/2017 3:36:06 PM	100.001	3.532	11.525	-0.390
6/26/2017 3:36:07 PM	101.001	3.535	11.502	-0.398
6/26/2017 3:36:08 PM	102.001	3.533	11.542	-0.392
6/26/2017 3:36:09 PM	103.001	3.532	11.532	-0.390
6/26/2017 3:36:10 PM	104.001	3.531	11.537	-0.387
6/26/2017 3:36:11 PM	105.001	3.532	11.515	-0.390
6/26/2017 3:36:12 PM	106.001	3.529	11.527	-0.382
6/26/2017 3:36:13 PM	107.001	3.529	11.543	-0.383

6/26/2017 3:36:14 PM	108.001	3.530	11.551	-0.386
6/26/2017 3:36:15 PM	109.001	3.544	11.525	-0.418
6/26/2017 3:36:16 PM	110.001	3.539	11.494	-0.406
6/26/2017 3:36:17 PM	111.001	3.553	11.543	-0.438
6/26/2017 3:36:18 PM	112.001	3.546	11.521	-0.423
6/26/2017 3:36:19 PM	113.001	3.544	11.530	-0.416
6/26/2017 3:36:20 PM	114.001	3.553	11.528	-0.437
6/26/2017 3:36:21 PM	115.001	3.548	11.554	-0.427
6/26/2017 3:36:22 PM	116.001	3.549	11.556	-0.429
6/26/2017 3:36:23 PM	117.001	3.551	11.515	-0.434
6/26/2017 3:36:24 PM	118.001	3.548	11.553	-0.427
6/26/2017 3:36:25 PM	119.001	3.548	11.559	-0.426
6/26/2017 3:36:26 PM	120.001	3.545	11.559	-0.419
6/26/2017 3:36:27 PM	121.001	3.535	11.512	-0.397
6/26/2017 3:36:28 PM	122.001	3.535	11.551	-0.398
6/26/2017 3:36:29 PM	123.001	3.535	11.515	-0.396
6/26/2017 3:36:30 PM	124.001	3.530	11.523	-0.385
6/26/2017 3:36:31 PM	125.001	3.532	11.523	-0.391
6/26/2017 3:36:32 PM	126.001	3.533	11.546	-0.391
6/26/2017 3:36:33 PM	127.001	3.533	11.549	-0.393
6/26/2017 3:36:34 PM	128.001	3.530	11.521	-0.385
6/26/2017 3:36:35 PM	129.001	3.532	11.531	-0.391
6/26/2017 3:36:36 PM	130.001	3.533	11.529	-0.392
6/26/2017 3:36:37 PM	131.001	3.533	11.528	-0.391
6/26/2017 3:36:38 PM	132.001	3.532	11.518	-0.389
6/26/2017 3:36:39 PM	133.001	3.536	11.510	-0.398
6/26/2017 3:36:40 PM	134.001	3.534	11.514	-0.394
6/26/2017 3:36:41 PM	135.001	3.534	11.558	-0.394
6/26/2017 3:36:42 PM	136.001	3.532	11.514	-0.389
6/26/2017 3:36:43 PM	137.001	3.531	11.526	-0.386
6/26/2017 3:36:44 PM	138.001	3.531	11.546	-0.388
6/26/2017 3:36:45 PM	139.001	3.532	11.535	-0.389
6/26/2017 3:36:46 PM	140.001	3.533	11.515	-0.392
6/26/2017 3:36:47 PM	141.001	3.530	11.525	-0.385
6/26/2017 3:36:48 PM	142.001	3.532	11.540	-0.389
6/26/2017 3:36:49 PM	143.001	3.533	11.518	-0.393
6/26/2017 3:36:50 PM	144.001	3.534	11.541	-0.394
6/26/2017 3:36:51 PM	145.001	3.530	11.540	-0.384
6/26/2017 3:36:52 PM	146.001	3.532	11.545	-0.390
6/26/2017 3:36:53 PM	147.001	3.531	11.545	-0.387
6/26/2017 3:36:54 PM	148.001	3.529	11.526	-0.383
6/26/2017 3:36:55 PM	149.001	3.530	11.518	-0.384
6/26/2017 3:36:56 PM	150.001	3.532	11.533	-0.390
6/26/2017 3:36:57 PM	151.001	3.528	11.524	-0.381
6/26/2017 3:36:58 PM	152.001	3.531	11.508	-0.387
6/26/2017 3:36:59 PM	153.001	3.532	11.541	-0.388
6/26/2017 3:37:00 PM	154.001	3.531	11.533	-0.386
6/26/2017 3:37:01 PM	155.001	3.531	11.537	-0.386
6/26/2017 3:37:02 PM	156.001	3.532	11.523	-0.389
6/26/2017 3:37:03 PM	157.001	3.533	11.541	-0.392
6/26/2017 3:37:04 PM	158.001	3.530	11.531	-0.386
6/26/2017 3:37:05 PM	159.001	3.533	11.518	-0.391
6/26/2017 3:37:06 PM	160.001	3.531	11.515	-0.386
6/26/2017 3:37:07 PM	161.001	3.533	11.524	-0.391
6/26/2017 3:37:08 PM	162.001	3.530	11.520	-0.384
6/26/2017 3:37:09 PM	163.001	3.530	11.524	-0.385
6/26/2017 3:37:10 PM	164.001	3.530	11.518	-0.385
6/26/2017 3:37:11 PM	165.001	3.530	11.515	-0.386
6/26/2017 3:37:12 PM	166.001	3.532	11.525	-0.388
6/26/2017 3:37:13 PM	167.001	3.529	11.543	-0.384
6/26/2017 3:37:14 PM	168.001	3.528	11.554	-0.381
6/26/2017 3:37:15 PM	169.001	3.528	11.540	-0.379
6/26/2017 3:37:16 PM	170.001	3.531	11.524	-0.387

6/26/2017 3:37:17 PM	171.001	3.529	11.558	-0.384
6/26/2017 3:37:18 PM	172.001	3.527	11.518	-0.377
6/26/2017 3:37:19 PM	173.001	3.530	11.537	-0.385
6/26/2017 3:37:20 PM	174.001	3.530	11.530	-0.384
6/26/2017 3:37:21 PM	175.001	3.532	11.547	-0.389
6/26/2017 3:37:22 PM	176.001	3.529	11.542	-0.384
6/26/2017 3:37:23 PM	177.001	3.530	11.526	-0.386
6/26/2017 3:37:24 PM	178.001	3.527	11.542	-0.378
6/26/2017 3:37:25 PM	179.001	3.530	11.521	-0.384
6/26/2017 3:37:26 PM	180.001	3.527	11.548	-0.379
6/26/2017 3:37:27 PM	181.001	3.526	11.535	-0.377
6/26/2017 3:37:28 PM	182.001	3.529	11.515	-0.382
6/26/2017 3:37:29 PM	183.001	3.530	11.546	-0.386
6/26/2017 3:37:30 PM	184.001	3.527	11.546	-0.377
6/26/2017 3:37:31 PM	185.001	3.528	11.516	-0.380
6/26/2017 3:37:32 PM	186.001	3.526	11.507	-0.376
6/26/2017 3:37:33 PM	187.001	3.528	11.542	-0.381
6/26/2017 3:37:34 PM	188.001	3.528	11.533	-0.379
6/26/2017 3:37:35 PM	189.001	3.529	11.544	-0.383
6/26/2017 3:37:36 PM	190.001	3.526	11.522	-0.375
6/26/2017 3:37:37 PM	191.001	3.527	11.550	-0.379
6/26/2017 3:37:38 PM	192.001	3.529	11.537	-0.382
6/26/2017 3:37:39 PM	193.001	3.523	11.525	-0.370
6/26/2017 3:37:40 PM	194.001	3.526	11.519	-0.375
6/26/2017 3:37:41 PM	195.001	3.524	11.551	-0.372
6/26/2017 3:37:42 PM	196.001	3.525	11.520	-0.373
6/26/2017 3:37:43 PM	197.001	3.528	11.562	-0.381
6/26/2017 3:37:44 PM	198.001	3.525	11.514	-0.374
6/26/2017 3:37:45 PM	199.001	3.525	11.537	-0.375
6/26/2017 3:37:46 PM	200.001	3.526	11.562	-0.377
6/26/2017 3:37:47 PM	201.001	3.527	11.557	-0.377
6/26/2017 3:37:48 PM	202.001	3.528	11.531	-0.380
6/26/2017 3:37:49 PM	203.001	3.527	11.528	-0.379
6/26/2017 3:37:50 PM	204.001	3.528	11.526	-0.379
6/26/2017 3:37:51 PM	205.001	3.527	11.551	-0.377
6/26/2017 3:37:52 PM	206.001	3.529	11.543	-0.382
6/26/2017 3:37:53 PM	207.001	3.528	11.515	-0.379
6/26/2017 3:37:54 PM	208.001	3.527	11.526	-0.377
6/26/2017 3:37:55 PM	209.001	3.525	11.508	-0.374
6/26/2017 3:37:56 PM	210.001	3.525	11.533	-0.373
6/26/2017 3:37:57 PM	211.001	3.526	11.536	-0.377
6/26/2017 3:37:58 PM	212.001	3.526	11.515	-0.376
6/26/2017 3:37:59 PM	213.001	3.526	11.533	-0.375
6/26/2017 3:38:00 PM	214.001	3.528	11.506	-0.381
6/26/2017 3:38:01 PM	215.001	3.526	11.525	-0.375
6/26/2017 3:38:02 PM	216.001	3.528	11.533	-0.380
6/26/2017 3:38:03 PM	217.001	3.524	11.529	-0.371
6/26/2017 3:38:04 PM	218.001	3.525	11.498	-0.373
6/26/2017 3:38:05 PM	219.001	3.527	11.526	-0.378
6/26/2017 3:38:06 PM	220.001	3.524	11.548	-0.370
6/26/2017 3:38:07 PM	221.001	3.528	11.518	-0.380
6/26/2017 3:38:08 PM	222.001	3.529	11.513	-0.383
6/26/2017 3:38:09 PM	223.001	3.524	11.532	-0.372
6/26/2017 3:38:10 PM	224.001	3.526	11.550	-0.376
6/26/2017 3:38:11 PM	225.001	3.527	11.556	-0.379
6/26/2017 3:38:12 PM	226.001	3.527	11.546	-0.377
6/26/2017 3:38:13 PM	227.001	3.529	11.504	-0.382
6/26/2017 3:38:14 PM	228.001	3.523	11.526	-0.370
6/26/2017 3:38:15 PM	229.001	3.524	11.555	-0.371
6/26/2017 3:38:16 PM	230.001	3.522	11.538	-0.367
6/26/2017 3:38:17 PM	231.001	3.524	11.570	-0.371
6/26/2017 3:38:18 PM	232.001	3.525	11.557	-0.374
6/26/2017 3:38:19 PM	233.001	3.527	11.536	-0.378

6/26/2017 3:38:20 PM	234.001	3.526	11.537	-0.376
6/26/2017 3:38:21 PM	235.001	3.528	11.518	-0.380
6/26/2017 3:38:22 PM	236.001	3.525	11.529	-0.374
6/26/2017 3:38:23 PM	237.001	3.525	11.551	-0.373
6/26/2017 3:38:24 PM	238.001	3.525	11.573	-0.374
6/26/2017 3:38:25 PM	239.001	3.522	11.543	-0.367
6/26/2017 3:38:26 PM	240.001	3.524	11.510	-0.372
6/26/2017 3:38:27 PM	241.001	3.525	11.545	-0.374
6/26/2017 3:38:28 PM	242.001	3.526	11.532	-0.376
6/26/2017 3:38:29 PM	243.001	3.527	11.529	-0.378
6/26/2017 3:38:30 PM	244.001	3.527	11.524	-0.378
6/26/2017 3:38:31 PM	245.001	3.525	11.536	-0.374
6/26/2017 3:38:32 PM	246.001	3.529	11.526	-0.383
6/26/2017 3:38:33 PM	247.001	3.528	11.560	-0.380
6/26/2017 3:38:34 PM	248.001	3.526	11.544	-0.376
6/26/2017 3:38:35 PM	249.001	3.530	11.540	-0.386
6/26/2017 3:38:36 PM	250.001	3.527	11.540	-0.378
6/26/2017 3:38:37 PM	251.001	3.528	11.537	-0.380
6/26/2017 3:38:38 PM	252.001	3.527	11.505	-0.377
6/26/2017 3:38:39 PM	253.001	3.527	11.551	-0.378
6/26/2017 3:38:40 PM	254.001	3.527	11.532	-0.378
6/26/2017 3:38:42 PM	256.001	3.526	11.550	-0.375
6/26/2017 3:38:42 PM	256.123	3.526	11.564	-0.376
6/26/2017 3:38:43 PM	257.001	3.526	11.546	-0.377
6/26/2017 3:38:44 PM	258.001	3.526	11.534	-0.376
6/26/2017 3:38:45 PM	259.001	3.528	11.529	-0.379
6/26/2017 3:38:46 PM	260.001	3.527	11.558	-0.379
6/26/2017 3:38:47 PM	261.001	3.527	11.534	-0.378
6/26/2017 3:38:48 PM	262.001	3.525	11.539	-0.374
6/26/2017 3:38:49 PM	263.001	3.525	11.559	-0.373
6/26/2017 3:38:50 PM	264.001	3.526	11.565	-0.375
6/26/2017 3:38:51 PM	265.001	3.527	11.520	-0.377
6/26/2017 3:38:52 PM	266.001	3.526	11.560	-0.375
6/26/2017 3:38:53 PM	267.001	3.525	11.532	-0.375
6/26/2017 3:38:54 PM	268.001	3.523	11.518	-0.370
6/26/2017 3:38:55 PM	269.001	3.522	11.526	-0.366
6/26/2017 3:38:56 PM	270.001	3.524	11.543	-0.372
6/26/2017 3:38:57 PM	271.001	3.527	11.534	-0.378
6/26/2017 3:38:58 PM	272.001	3.521	11.545	-0.364
6/26/2017 3:38:59 PM	273.001	3.523	11.520	-0.368
6/26/2017 3:39:00 PM	274.001	3.522	11.571	-0.367
6/26/2017 3:39:01 PM	275.001	3.525	11.535	-0.374
6/26/2017 3:39:02 PM	276.001	3.520	11.531	-0.361
6/26/2017 3:39:03 PM	277.001	3.523	11.560	-0.368
6/26/2017 3:39:04 PM	278.001	3.521	11.537	-0.365
6/26/2017 3:39:05 PM	279.001	3.523	11.566	-0.369
6/26/2017 3:39:06 PM	280.001	3.524	11.537	-0.370
6/26/2017 3:39:07 PM	281.001	3.523	11.546	-0.370
6/26/2017 3:39:08 PM	282.001	3.525	11.551	-0.373
6/26/2017 3:39:09 PM	283.001	3.522	11.543	-0.367
6/26/2017 3:39:10 PM	284.001	3.524	11.539	-0.370
6/26/2017 3:39:11 PM	285.001	3.522	11.522	-0.366
6/26/2017 3:39:12 PM	286.001	3.524	11.545	-0.370
6/26/2017 3:39:13 PM	287.001	3.524	11.541	-0.372
6/26/2017 3:39:14 PM	288.001	3.521	11.542	-0.364
6/26/2017 3:39:15 PM	289.001	3.523	11.518	-0.369
6/26/2017 3:39:16 PM	290.001	3.523	11.537	-0.370
6/26/2017 3:39:17 PM	291.001	3.521	11.524	-0.364
6/26/2017 3:39:18 PM	292.001	3.521	11.568	-0.363
6/26/2017 3:39:19 PM	293.001	3.522	11.579	-0.366
6/26/2017 3:39:20 PM	294.001	3.522	11.532	-0.367
6/26/2017 3:39:21 PM	295.001	3.521	11.550	-0.364
6/26/2017 3:39:22 PM	296.001	3.522	11.535	-0.365

6/26/2017 3:39:23 PM	297.001	3.521	11.519	-0.364
6/26/2017 3:39:24 PM	298.001	3.519	11.526	-0.360
6/26/2017 3:39:25 PM	299.001	3.520	11.550	-0.362
6/26/2017 3:39:26 PM	300.001	3.521	11.557	-0.365
6/26/2017 3:40:26 PM	360.001	3.520	11.548	-0.363
6/26/2017 3:41:26 PM	420.001	3.525	11.520	-0.374
6/26/2017 3:42:26 PM	480.001	3.520	11.526	-0.362
6/26/2017 3:43:26 PM	540.001	3.518	11.504	-0.358
6/26/2017 3:44:26 PM	600.001	3.515	11.496	-0.349
6/26/2017 3:45:26 PM	660.001	3.509	11.514	-0.337
6/26/2017 3:46:26 PM	720.001	3.511	11.502	-0.341
6/26/2017 3:47:26 PM	780.001	3.506	11.490	-0.330
6/26/2017 3:48:26 PM	840.001	3.505	11.494	-0.327
6/26/2017 3:49:26 PM	900.001	3.502	11.518	-0.321
6/26/2017 3:50:26 PM	960.001	3.504	11.503	-0.324
6/26/2017 3:51:26 PM	1020.001	3.498	11.502	-0.311
6/26/2017 3:52:26 PM	1080.001	3.500	11.511	-0.316
6/26/2017 3:53:26 PM	1140.001	3.495	11.490	-0.304
6/26/2017 3:54:26 PM	1200.001	3.491	11.472	-0.296
6/26/2017 3:55:26 PM	1260.001	3.490	11.514	-0.292
6/26/2017 3:56:26 PM	1320.001	3.487	11.500	-0.286
6/26/2017 3:57:26 PM	1380.001	3.485	11.501	-0.280
6/26/2017 3:58:26 PM	1440.001	3.480	11.513	-0.269
6/26/2017 3:59:26 PM	1500.001	3.478	11.490	-0.264
6/26/2017 4:00:26 PM	1560.001	3.474	11.493	-0.255
6/26/2017 4:01:26 PM	1620.001	3.475	11.465	-0.258
6/26/2017 4:02:26 PM	1680.196	3.472	11.508	-0.251
6/26/2017 4:03:26 PM	1740.001	3.469	11.510	-0.245
6/26/2017 4:04:26 PM	1800.001	3.465	11.489	-0.235
6/26/2017 4:05:26 PM	1860.001	3.466	11.527	-0.237
6/26/2017 4:06:26 PM	1920.230	3.463	11.538	-0.229
6/26/2017 4:07:26 PM	1980.001	3.462	11.510	-0.228
6/26/2017 4:08:26 PM	2040.001	3.460	11.494	-0.222
6/26/2017 4:09:26 PM	2100.001	3.460	11.498	-0.222
6/26/2017 4:10:26 PM	2160.001	3.461	11.515	-0.226
6/26/2017 4:11:26 PM	2220.001	3.454	11.516	-0.210
6/26/2017 4:12:26 PM	2280.001	3.454	11.515	-0.210
6/26/2017 4:13:26 PM	2340.001	3.453	11.489	-0.207
6/26/2017 4:14:26 PM	2400.001	3.447	11.501	-0.193
6/26/2017 4:15:26 PM	2460.001	3.445	11.508	-0.188
6/26/2017 4:16:26 PM	2520.001	3.445	11.471	-0.189
6/26/2017 4:17:26 PM	2580.001	3.445	11.485	-0.189
6/26/2017 4:18:26 PM	2640.001	3.443	11.482	-0.183
6/26/2017 4:19:26 PM	2700.001	3.445	11.508	-0.189
6/26/2017 4:20:26 PM	2760.001	3.441	11.463	-0.179
6/26/2017 4:21:26 PM	2820.001	3.441	11.503	-0.180
6/26/2017 4:22:26 PM	2880.001	3.439	11.522	-0.175
6/26/2017 4:23:26 PM	2940.001	3.438	11.507	-0.173
6/26/2017 4:24:26 PM	3000.001	3.436	11.498	-0.169
6/26/2017 4:25:26 PM	3060.001	3.436	11.492	-0.168
6/26/2017 4:26:26 PM	3120.001	3.438	11.474	-0.172
6/26/2017 4:27:26 PM	3180.001	3.433	11.477	-0.161
6/26/2017 4:28:26 PM	3240.001	3.430	11.491	-0.155
6/26/2017 4:29:26 PM	3300.001	3.430	11.483	-0.155
6/26/2017 4:30:26 PM	3360.001	3.432	11.463	-0.159
6/26/2017 4:31:26 PM	3420.001	3.428	11.472	-0.148
6/26/2017 4:32:26 PM	3480.001	3.430	11.512	-0.155
6/26/2017 4:33:26 PM	3540.001	3.430	11.490	-0.155
6/26/2017 4:34:26 PM	3600.001	3.424	11.509	-0.139
6/26/2017 4:35:26 PM	3660.001	3.418	11.491	-0.127
6/26/2017 4:36:26 PM	3720.001	3.416	11.486	-0.122
6/26/2017 4:37:26 PM	3780.001	3.412	11.502	-0.112
6/26/2017 4:38:26 PM	3840.001	3.411	11.487	-0.111

6/26/2017 4:39:26 PM	3900.001	3.408	11.475	-0.104
6/26/2017 4:40:26 PM	3960.001	3.408	11.462	-0.104
6/26/2017 4:41:26 PM	4020.001	3.406	11.493	-0.098
6/26/2017 4:42:26 PM	4080.001	3.407	11.476	-0.102
6/26/2017 4:43:26 PM	4140.001	3.404	11.513	-0.093
6/26/2017 4:44:26 PM	4200.001	3.402	11.475	-0.090
6/26/2017 4:45:26 PM	4260.001	3.399	11.500	-0.083
6/26/2017 4:46:26 PM	4320.001	3.398	11.511	-0.080
6/26/2017 4:47:26 PM	4380.001	3.397	11.522	-0.077
6/26/2017 4:48:26 PM	4440.001	3.396	11.486	-0.075
6/26/2017 4:49:26 PM	4500.001	3.397	11.472	-0.079
6/26/2017 4:50:26 PM	4560.001	3.397	11.473	-0.079
6/26/2017 4:51:26 PM	4620.001	3.395	11.489	-0.072
6/26/2017 4:52:26 PM	4680.001	3.394	11.534	-0.070
6/26/2017 4:53:26 PM	4740.001	3.391	11.494	-0.063
6/26/2017 4:54:26 PM	4800.001	3.393	11.479	-0.069
6/26/2017 4:55:26 PM	4860.001	3.396	11.499	-0.075
6/26/2017 4:56:26 PM	4920.001	3.391	11.492	-0.064
6/26/2017 4:57:26 PM	4980.001	3.391	11.496	-0.064
6/26/2017 4:58:26 PM	5040.001	3.391	11.493	-0.064
6/26/2017 4:59:26 PM	5100.001	3.388	11.467	-0.056
6/26/2017 5:00:26 PM	5160.001	3.386	11.522	-0.052
6/26/2017 5:01:26 PM	5220.001	3.389	11.491	-0.060
6/26/2017 5:02:26 PM	5280.001	3.389	11.507	-0.060
6/26/2017 5:03:26 PM	5340.001	3.387	11.492	-0.054
6/26/2017 5:04:26 PM	5400.001	3.389	11.509	-0.059
6/26/2017 5:05:26 PM	5460.001	3.385	11.488	-0.050
6/26/2017 5:06:26 PM	5520.001	3.382	11.498	-0.043
6/26/2017 5:07:26 PM	5580.001	3.384	11.515	-0.048
6/26/2017 5:08:26 PM	5640.001	3.384	11.472	-0.048
6/26/2017 5:09:26 PM	5700.001	3.383	11.478	-0.045
6/26/2017 5:10:26 PM	5760.001	3.381	11.499	-0.042
6/26/2017 5:11:26 PM	5820.001	3.381	11.485	-0.042
6/26/2017 5:12:26 PM	5880.001	3.381	11.490	-0.040
6/26/2017 5:13:26 PM	5940.001	3.378	11.491	-0.034
6/26/2017 5:14:26 PM	6000.001	3.382	11.498	-0.044
6/26/2017 5:15:26 PM	6060.001	3.378	11.508	-0.035
6/26/2017 5:16:26 PM	6120.001	3.379	11.540	-0.037
6/26/2017 5:17:26 PM	6180.001	3.377	11.488	-0.032
6/26/2017 5:18:26 PM	6240.001	3.380	11.493	-0.039
6/26/2017 5:19:26 PM	6300.001	3.376	11.499	-0.029
6/26/2017 5:20:26 PM	6360.001	3.376	11.458	-0.029
6/26/2017 5:21:26 PM	6420.001	3.376	11.476	-0.029
6/26/2017 5:22:26 PM	6480.001	3.381	11.501	-0.042
6/26/2017 5:23:26 PM	6540.001	3.376	11.482	-0.030
6/26/2017 5:24:26 PM	6600.001	3.374	11.479	-0.024
6/26/2017 5:25:26 PM	6660.001	3.375	11.476	-0.028
6/26/2017 5:26:26 PM	6720.001	3.375	11.495	-0.027
6/26/2017 5:27:26 PM	6780.001	3.374	11.517	-0.024
6/26/2017 5:28:26 PM	6840.001	3.374	11.468	-0.026
6/26/2017 5:29:26 PM	6900.001	3.376	11.501	-0.030
6/26/2017 5:30:26 PM	6960.001	3.375	11.512	-0.026
6/26/2017 5:31:26 PM	7020.001	3.374	11.513	-0.026
6/26/2017 5:32:26 PM	7080.001	3.372	11.513	-0.021
6/26/2017 5:33:26 PM	7140.001	3.371	11.513	-0.018
6/26/2017 5:34:26 PM	7200.001	3.370	11.507	-0.016
6/26/2017 5:35:26 PM	7260.001	3.370	11.458	-0.016
6/26/2017 5:36:26 PM	7320.001	3.370	11.501	-0.016
6/26/2017 5:37:26 PM	7380.001	3.372	11.485	-0.019
6/26/2017 5:38:26 PM	7440.001	3.368	11.511	-0.011
6/26/2017 5:39:26 PM	7500.001	3.367	11.515	-0.009
6/26/2017 5:40:26 PM	7560.001	3.369	11.507	-0.014
6/26/2017 5:41:26 PM	7620.001	3.367	11.503	-0.009

6/26/2017 5:42:26 PM	7680.001	3.366	11.466	-0.005
6/26/2017 5:43:26 PM	7740.001	3.364	11.462	-0.002
6/26/2017 5:44:26 PM	7800.001	3.367	11.492	-0.009
6/26/2017 5:45:26 PM	7860.001	3.364	11.510	-0.001
6/26/2017 5:46:26 PM	7920.001	3.366	11.529	-0.005
6/26/2017 5:47:26 PM	7980.001	3.364	11.502	-0.002
6/26/2017 5:48:26 PM	8040.001	3.366	11.517	-0.006
6/26/2017 5:49:26 PM	8100.001	3.362	11.503	0.004
6/26/2017 5:50:26 PM	8160.001	3.363	11.524	0.001
6/26/2017 5:51:26 PM	8220.001	3.363	11.488	0.001
6/26/2017 5:52:26 PM	8280.001	3.362	11.509	0.002
6/26/2017 5:53:26 PM	8340.001	3.364	11.497	-0.002
6/26/2017 5:54:26 PM	8400.001	3.363	11.488	0.001
6/26/2017 5:55:26 PM	8460.001	3.361	11.490	0.005
6/26/2017 5:56:26 PM	8520.001	3.361	11.497	0.006
6/26/2017 5:57:26 PM	8580.001	3.363	11.493	0.002
6/26/2017 5:58:26 PM	8640.001	3.361	11.517	0.006
6/26/2017 5:59:26 PM	8700.001	3.360	11.493	0.008
6/26/2017 6:00:26 PM	8760.001	3.361	11.500	0.005
6/26/2017 6:01:26 PM	8820.001	3.358	11.465	0.013
6/26/2017 6:02:26 PM	8880.001	3.360	11.499	0.007
6/26/2017 6:03:26 PM	8940.001	3.358	11.502	0.012
6/26/2017 6:04:26 PM	9000.001	3.360	11.460	0.007
6/26/2017 6:05:26 PM	9060.001	3.357	11.517	0.015
6/26/2017 6:06:26 PM	9120.001	3.358	11.477	0.013
6/26/2017 6:07:26 PM	9180.001	3.360	11.527	0.009
6/26/2017 6:08:26 PM	9240.001	3.359	11.488	0.010
6/26/2017 6:09:26 PM	9300.001	3.361	11.500	0.006
6/26/2017 6:10:26 PM	9360.001	3.359	11.496	0.009
6/26/2017 6:11:26 PM	9420.001	3.358	11.504	0.013
6/26/2017 6:12:26 PM	9480.001	3.355	11.489	0.019
6/26/2017 6:13:26 PM	9540.001	3.356	11.471	0.016
6/26/2017 6:14:26 PM	9600.001	3.360	11.503	0.008
6/26/2017 6:15:26 PM	9660.001	3.357	11.513	0.015
6/26/2017 6:16:26 PM	9720.001	3.360	11.515	0.007
6/26/2017 6:17:26 PM	9780.001	3.356	11.501	0.018
6/26/2017 6:18:26 PM	9840.001	3.353	11.489	0.024
6/26/2017 6:19:26 PM	9900.001	3.355	11.484	0.020
6/26/2017 6:20:26 PM	9960.001	3.355	11.473	0.019
6/26/2017 6:21:26 PM	10020.001	3.355	11.490	0.019
6/26/2017 6:22:26 PM	10080.001	3.353	11.496	0.023
6/26/2017 6:23:26 PM	10140.001	3.354	11.480	0.022
6/26/2017 6:24:26 PM	10200.001	3.353	11.512	0.023
6/26/2017 6:25:26 PM	10260.001	3.354	11.483	0.021
6/26/2017 6:26:26 PM	10320.001	3.357	11.458	0.015
6/26/2017 6:27:26 PM	10380.001	3.354	11.481	0.021
6/26/2017 6:28:26 PM	10440.001	3.354	11.495	0.021
6/26/2017 6:29:26 PM	10500.001	3.354	11.521	0.022
6/26/2017 6:30:26 PM	10560.001	3.354	11.499	0.021
6/26/2017 6:31:26 PM	10620.001	3.354	11.482	0.022
6/26/2017 6:32:26 PM	10680.001	3.352	11.513	0.027
6/26/2017 6:33:26 PM	10740.001	3.355	11.521	0.019
6/26/2017 6:34:26 PM	10800.001	3.353	11.510	0.024
6/26/2017 6:35:26 PM	10860.001	3.353	11.496	0.024
6/26/2017 6:36:26 PM	10920.001	3.354	11.480	0.021
6/26/2017 6:37:26 PM	10980.001	3.354	11.491	0.021
6/26/2017 6:38:26 PM	11040.001	3.353	11.492	0.024
6/26/2017 6:39:26 PM	11100.001	3.355	11.501	0.019
6/26/2017 6:40:26 PM	11160.001	3.351	11.510	0.029
6/26/2017 6:41:26 PM	11220.001	3.352	11.501	0.026
6/26/2017 6:42:26 PM	11280.001	3.354	11.513	0.022
6/26/2017 6:43:26 PM	11340.001	3.350	11.513	0.031
6/26/2017 6:44:26 PM	11400.001	3.354	11.479	0.022

6/26/2017 6:45:26 PM	11460.001	3.348	11.483	0.036
6/26/2017 6:46:26 PM	11520.001	3.352	11.518	0.026
6/26/2017 6:47:26 PM	11580.001	3.351	11.516	0.028
6/26/2017 6:48:26 PM	11640.001	3.351	11.497	0.029
6/26/2017 6:49:26 PM	11700.001	3.352	11.488	0.025
6/26/2017 6:50:26 PM	11760.001	3.350	11.481	0.030
6/26/2017 6:51:26 PM	11820.001	3.352	11.474	0.026
6/26/2017 6:52:26 PM	11880.001	3.348	11.531	0.034
6/26/2017 6:53:26 PM	11940.001	3.349	11.505	0.033
6/26/2017 6:54:26 PM	12000.001	3.346	11.476	0.040
6/26/2017 6:55:26 PM	12060.001	3.349	11.495	0.032
6/26/2017 6:56:26 PM	12120.001	3.346	11.492	0.040
6/26/2017 6:57:26 PM	12180.001	3.349	11.493	0.033
6/26/2017 6:58:26 PM	12240.001	3.345	11.481	0.042
6/26/2017 6:59:26 PM	12300.001	3.347	11.532	0.037
6/26/2017 7:00:26 PM	12360.001	3.346	11.509	0.039
6/26/2017 7:01:26 PM	12420.001	3.346	11.482	0.040
6/26/2017 7:02:26 PM	12480.001	3.345	11.510	0.042
6/26/2017 7:03:26 PM	12540.001	3.346	11.491	0.041
6/26/2017 7:04:26 PM	12600.001	3.344	11.495	0.045
6/26/2017 7:05:26 PM	12660.001	3.347	11.496	0.037
6/26/2017 7:06:26 PM	12720.001	3.347	11.498	0.038
6/26/2017 7:07:26 PM	12780.001	3.343	11.493	0.046
6/26/2017 7:08:26 PM	12840.001	3.346	11.506	0.041
6/26/2017 7:09:26 PM	12900.001	3.346	11.481	0.040
6/26/2017 7:10:26 PM	12960.001	3.344	11.514	0.046
6/26/2017 7:11:26 PM	13020.001	3.344	11.474	0.044
6/26/2017 7:12:26 PM	13080.001	3.346	11.476	0.040
6/26/2017 7:13:26 PM	13140.001	3.344	11.497	0.044
6/26/2017 7:14:26 PM	13200.001	3.347	11.465	0.039
6/26/2017 7:15:26 PM	13260.001	3.344	11.491	0.045
6/26/2017 7:16:26 PM	13320.001	3.345	11.513	0.042
6/26/2017 7:17:26 PM	13380.001	3.343	11.485	0.046
6/26/2017 7:18:26 PM	13440.001	3.343	11.473	0.047
6/26/2017 7:19:26 PM	13500.001	3.345	11.484	0.042
6/26/2017 7:20:26 PM	13560.001	3.339	11.496	0.056
6/26/2017 7:21:26 PM	13620.001	3.344	11.511	0.044
6/26/2017 7:22:26 PM	13680.001	3.341	11.521	0.052
6/26/2017 7:23:26 PM	13740.001	3.340	11.493	0.054
6/26/2017 7:24:26 PM	13800.001	3.342	11.488	0.050
6/26/2017 7:25:26 PM	13860.001	3.343	11.494	0.046
6/26/2017 7:26:26 PM	13920.001	3.344	11.485	0.045
6/26/2017 7:27:26 PM	13980.001	3.341	11.509	0.051
6/26/2017 7:28:26 PM	14040.001	3.344	11.493	0.044
6/26/2017 7:29:26 PM	14100.001	3.347	11.516	0.038
6/26/2017 7:30:26 PM	14160.001	3.341	11.524	0.052
6/26/2017 7:31:26 PM	14220.001	3.339	11.472	0.056
6/26/2017 7:32:26 PM	14280.001	3.344	11.492	0.044
6/26/2017 7:33:26 PM	14340.001	3.343	11.490	0.046
6/26/2017 7:34:26 PM	14400.001	3.343	11.488	0.048
6/26/2017 7:35:26 PM	14460.001	3.341	11.452	0.051
6/26/2017 7:36:26 PM	14520.001	3.343	11.512	0.048
6/26/2017 7:37:26 PM	14580.001	3.342	11.463	0.048
6/26/2017 7:38:26 PM	14640.001	3.340	11.528	0.053
6/26/2017 7:39:26 PM	14700.001	3.341	11.505	0.052
6/26/2017 7:40:26 PM	14760.001	3.340	11.527	0.054
6/26/2017 7:41:26 PM	14820.001	3.340	11.480	0.053
6/26/2017 7:42:26 PM	14880.001	3.339	11.502	0.057
6/26/2017 7:43:26 PM	14940.001	3.339	11.457	0.056
6/26/2017 7:44:26 PM	15000.001	3.339	11.513	0.056
6/26/2017 7:45:26 PM	15060.001	3.338	11.510	0.058
6/26/2017 7:46:26 PM	15120.001	3.339	11.488	0.055
6/26/2017 7:47:26 PM	15180.001	3.340	11.468	0.055

6/26/2017 7:48:26 PM	15240.001	3.338	11.531	0.057
6/26/2017 7:49:26 PM	15300.001	3.338	11.527	0.059
6/26/2017 7:50:26 PM	15360.001	3.339	11.474	0.056
6/26/2017 7:51:26 PM	15420.001	3.337	11.507	0.060
6/26/2017 7:52:26 PM	15480.001	3.340	11.518	0.054
6/26/2017 7:53:26 PM	15540.001	3.339	11.477	0.055
6/26/2017 7:54:26 PM	15600.001	3.339	11.496	0.056
6/26/2017 7:55:26 PM	15660.001	3.339	11.478	0.056
6/26/2017 7:56:26 PM	15720.001	3.338	11.512	0.059
6/26/2017 7:57:26 PM	15780.001	3.338	11.510	0.058
6/26/2017 7:58:26 PM	15840.001	3.337	11.474	0.060
6/26/2017 7:59:26 PM	15900.001	3.335	11.501	0.066
6/26/2017 8:00:26 PM	15960.001	3.336	11.518	0.062
6/26/2017 8:01:26 PM	16020.001	3.338	11.507	0.059
6/26/2017 8:02:26 PM	16080.001	3.335	11.499	0.066
6/26/2017 8:03:26 PM	16140.001	3.335	11.476	0.065
6/26/2017 8:04:26 PM	16200.001	3.335	11.481	0.065
6/26/2017 8:05:26 PM	16260.001	3.335	11.516	0.065
6/26/2017 8:06:26 PM	16320.001	3.338	11.515	0.058
6/26/2017 8:07:26 PM	16380.001	3.338	11.518	0.059
6/26/2017 8:08:26 PM	16440.001	3.335	11.482	0.066
6/26/2017 8:09:26 PM	16500.001	3.335	11.491	0.064
6/26/2017 8:10:26 PM	16560.001	3.334	11.493	0.067
6/26/2017 8:11:26 PM	16620.001	3.334	11.504	0.067
6/26/2017 8:12:26 PM	16680.001	3.337	11.507	0.061
6/26/2017 8:13:26 PM	16740.001	3.335	11.493	0.065
6/26/2017 8:14:26 PM	16800.001	3.333	11.483	0.070
6/26/2017 8:15:26 PM	16860.001	3.335	11.488	0.066
6/26/2017 8:16:26 PM	16920.001	3.335	11.515	0.065
6/26/2017 8:17:26 PM	16980.001	3.334	11.532	0.068
6/26/2017 8:18:26 PM	17040.001	3.332	11.511	0.072
6/26/2017 8:19:26 PM	17100.001	3.333	11.504	0.070
6/26/2017 8:20:26 PM	17160.001	3.330	11.508	0.076
6/26/2017 8:21:26 PM	17220.001	3.335	11.515	0.064
6/26/2017 8:22:26 PM	17280.001	3.333	11.489	0.069
6/26/2017 8:23:26 PM	17340.001	3.334	11.515	0.068
6/26/2017 8:24:26 PM	17400.001	3.332	11.535	0.071
6/26/2017 8:25:26 PM	17460.001	3.333	11.490	0.070
6/26/2017 8:26:26 PM	17520.001	3.334	11.513	0.068
6/26/2017 8:27:26 PM	17580.001	3.332	11.499	0.072
6/26/2017 8:28:26 PM	17640.001	3.329	11.515	0.080
6/26/2017 8:29:26 PM	17700.001	3.332	11.496	0.072
6/26/2017 8:30:26 PM	17760.001	3.333	11.520	0.070
6/26/2017 8:31:26 PM	17820.001	3.332	11.515	0.072
6/26/2017 8:32:26 PM	17880.001	3.334	11.496	0.068
6/26/2017 8:33:26 PM	17940.001	3.331	11.513	0.074
6/26/2017 8:34:26 PM	18000.001	3.332	11.526	0.072
6/26/2017 8:35:26 PM	18060.001	3.332	11.523	0.073
6/26/2017 8:36:26 PM	18120.001	3.331	11.484	0.074
6/26/2017 8:37:26 PM	18180.001	3.331	11.496	0.075
6/26/2017 8:38:26 PM	18240.001	3.330	11.493	0.078
6/26/2017 8:39:26 PM	18300.001	3.332	11.513	0.073
6/26/2017 8:40:26 PM	18360.001	3.332	11.515	0.071
6/26/2017 8:41:26 PM	18420.001	3.330	11.502	0.076
6/26/2017 8:42:26 PM	18480.001	3.331	11.533	0.075
6/26/2017 8:43:26 PM	18540.001	3.329	11.493	0.078
6/26/2017 8:44:26 PM	18600.001	3.332	11.498	0.071
6/26/2017 8:45:26 PM	18660.001	3.331	11.504	0.074
6/26/2017 8:46:26 PM	18720.001	3.332	11.504	0.073
6/26/2017 8:47:26 PM	18780.001	3.330	11.490	0.076
6/26/2017 8:48:26 PM	18840.001	3.330	11.504	0.078
6/26/2017 8:49:26 PM	18900.001	3.328	11.485	0.080
6/26/2017 8:50:26 PM	18960.001	3.330	11.499	0.077

6/26/2017 8:51:26 PM	19020.001	3.331	11.496	0.074
6/26/2017 8:52:26 PM	19080.001	3.331	11.500	0.074
6/26/2017 8:53:26 PM	19140.001	3.329	11.496	0.079
6/26/2017 8:54:26 PM	19200.001	3.328	11.507	0.082
6/26/2017 8:55:26 PM	19260.001	3.331	11.485	0.075
6/26/2017 8:56:26 PM	19320.001	3.330	11.500	0.077
6/26/2017 8:57:26 PM	19380.001	3.329	11.480	0.079
6/26/2017 8:58:26 PM	19440.001	3.328	11.482	0.081
6/26/2017 8:59:26 PM	19500.001	3.331	11.501	0.074
6/26/2017 9:00:26 PM	19560.001	3.329	11.499	0.079
6/26/2017 9:01:26 PM	19620.001	3.330	11.474	0.078
6/26/2017 9:02:26 PM	19680.001	3.329	11.501	0.079
6/26/2017 9:03:26 PM	19740.001	3.330	11.478	0.076
6/26/2017 9:04:26 PM	19800.001	3.327	11.496	0.083
6/26/2017 9:05:26 PM	19860.001	3.327	11.491	0.085
6/26/2017 9:06:26 PM	19920.001	3.328	11.507	0.081
6/26/2017 9:07:26 PM	19980.001	3.325	11.512	0.088
6/26/2017 9:08:26 PM	20040.001	3.327	11.534	0.085
6/26/2017 9:09:26 PM	20100.001	3.326	11.526	0.086
6/26/2017 9:10:26 PM	20160.001	3.329	11.483	0.080
6/26/2017 9:11:26 PM	20220.001	3.327	11.508	0.083
6/26/2017 9:12:26 PM	20280.001	3.328	11.492	0.082
6/26/2017 9:13:26 PM	20340.001	3.325	11.488	0.088
6/26/2017 9:14:26 PM	20400.001	3.326	11.499	0.086
6/26/2017 9:15:26 PM	20460.001	3.327	11.526	0.084
6/26/2017 9:16:26 PM	20520.001	3.325	11.513	0.088
6/26/2017 9:17:26 PM	20580.001	3.323	11.485	0.092
6/26/2017 9:18:26 PM	20640.001	3.327	11.480	0.084
6/26/2017 9:19:26 PM	20700.001	3.325	11.504	0.089
6/26/2017 9:20:26 PM	20760.001	3.326	11.489	0.086
6/26/2017 9:21:26 PM	20820.001	3.326	11.515	0.087
6/26/2017 9:22:26 PM	20880.001	3.326	11.503	0.087
6/26/2017 9:23:26 PM	20940.001	3.325	11.513	0.089
6/26/2017 9:24:26 PM	21000.001	3.325	11.531	0.089
6/26/2017 9:25:26 PM	21060.001	3.328	11.520	0.082
6/26/2017 9:26:26 PM	21120.001	3.327	11.467	0.085
6/26/2017 9:27:26 PM	21180.001	3.326	11.506	0.085
6/26/2017 9:28:26 PM	21240.001	3.327	11.465	0.085
6/26/2017 9:29:26 PM	21300.001	3.325	11.531	0.089
6/26/2017 9:30:26 PM	21360.001	3.324	11.509	0.090
6/26/2017 9:31:26 PM	21420.001	3.327	11.483	0.084
6/26/2017 9:32:26 PM	21480.001	3.326	11.496	0.086
6/26/2017 9:33:26 PM	21540.001	3.327	11.503	0.084
6/26/2017 9:34:26 PM	21600.001	3.326	11.498	0.086
6/26/2017 9:35:26 PM	21660.001	3.327	11.488	0.083
6/26/2017 9:36:26 PM	21720.001	3.324	11.516	0.091
6/26/2017 9:37:26 PM	21780.001	3.327	11.515	0.084
6/26/2017 9:38:26 PM	21840.001	3.325	11.486	0.089
6/26/2017 9:39:26 PM	21900.001	3.328	11.503	0.082
6/26/2017 9:40:26 PM	21960.001	3.326	11.507	0.085
6/26/2017 9:41:26 PM	22020.001	3.326	11.471	0.085
6/26/2017 9:42:26 PM	22080.001	3.326	11.506	0.086
6/26/2017 9:43:26 PM	22140.001	3.327	11.499	0.083
6/26/2017 9:44:26 PM	22200.001	3.324	11.460	0.091
6/26/2017 9:45:26 PM	22260.001	3.327	11.498	0.084
6/26/2017 9:46:26 PM	22320.001	3.323	11.520	0.092
6/26/2017 9:47:26 PM	22380.001	3.325	11.465	0.087
6/26/2017 9:48:26 PM	22440.001	3.325	11.525	0.088
6/26/2017 9:49:26 PM	22500.001	3.325	11.490	0.089
6/26/2017 9:50:26 PM	22560.001	3.326	11.517	0.087
6/26/2017 9:51:26 PM	22620.001	3.325	11.486	0.088
6/26/2017 9:52:26 PM	22680.001	3.325	11.524	0.088
6/26/2017 9:53:26 PM	22740.001	3.325	11.499	0.089

6/26/2017 9:54:26 PM	22800.001	3.325	11.501	0.089
6/26/2017 9:55:26 PM	22860.001	3.324	11.511	0.090
6/26/2017 9:56:26 PM	22920.001	3.324	11.490	0.091
6/26/2017 9:57:26 PM	22980.001	3.326	11.499	0.086
6/26/2017 9:58:26 PM	23040.001	3.324	11.485	0.091
6/26/2017 9:59:26 PM	23100.001	3.326	11.526	0.086
6/26/2017 10:00:26 PM	23160.001	3.321	11.539	0.097
6/26/2017 10:01:26 PM	23220.001	3.323	11.482	0.093
6/26/2017 10:02:26 PM	23280.001	3.323	11.481	0.093
6/26/2017 10:03:26 PM	23340.001	3.322	11.517	0.094
6/26/2017 10:04:26 PM	23400.001	3.324	11.520	0.090
6/26/2017 10:05:26 PM	23460.001	3.326	11.495	0.086
6/26/2017 10:06:26 PM	23520.001	3.323	11.479	0.093
6/26/2017 10:07:26 PM	23580.001	3.325	11.485	0.089
6/26/2017 10:08:26 PM	23640.001	3.323	11.503	0.094
6/26/2017 10:09:26 PM	23700.001	3.322	11.527	0.095
6/26/2017 10:10:26 PM	23760.001	3.323	11.504	0.092
6/26/2017 10:11:26 PM	23820.001	3.324	11.504	0.091
6/26/2017 10:12:26 PM	23880.001	3.323	11.507	0.094
6/26/2017 10:13:26 PM	23940.001	3.321	11.487	0.098
6/26/2017 10:14:26 PM	24000.001	3.322	11.499	0.096
6/26/2017 10:15:26 PM	24060.001	3.322	11.530	0.096
6/26/2017 10:16:26 PM	24120.001	3.321	11.501	0.098
6/26/2017 10:17:26 PM	24180.001	3.320	11.491	0.099
6/26/2017 10:18:26 PM	24240.001	3.321	11.501	0.097
6/26/2017 10:19:26 PM	24300.001	3.321	11.496	0.097
6/26/2017 10:20:26 PM	24360.001	3.324	11.485	0.091
6/26/2017 10:21:26 PM	24420.001	3.323	11.479	0.092
6/26/2017 10:22:26 PM	24480.001	3.322	11.501	0.095
6/26/2017 10:23:26 PM	24540.001	3.324	11.490	0.091
6/26/2017 10:24:26 PM	24600.001	3.322	11.510	0.095
6/26/2017 10:25:26 PM	24660.001	3.323	11.496	0.092
6/26/2017 10:26:26 PM	24720.001	3.321	11.499	0.097
6/26/2017 10:27:26 PM	24780.001	3.321	11.487	0.098
6/26/2017 10:28:26 PM	24840.001	3.323	11.470	0.094
6/26/2017 10:29:26 PM	24900.001	3.318	11.485	0.104
6/26/2017 10:30:26 PM	24960.001	3.322	11.468	0.094
6/26/2017 10:31:26 PM	25020.001	3.320	11.500	0.100
6/26/2017 10:32:26 PM	25080.001	3.323	11.508	0.094
6/26/2017 10:33:26 PM	25140.001	3.321	11.470	0.097
6/26/2017 10:34:26 PM	25200.001	3.322	11.486	0.096
6/26/2017 10:35:26 PM	25260.001	3.317	11.505	0.106
6/26/2017 10:36:26 PM	25320.001	3.320	11.514	0.099
6/26/2017 10:37:26 PM	25380.001	3.323	11.500	0.092
6/26/2017 10:38:26 PM	25440.001	3.321	11.501	0.098
6/26/2017 10:39:26 PM	25500.001	3.322	11.501	0.094
6/26/2017 10:40:26 PM	25560.001	3.322	11.495	0.095
6/26/2017 10:41:26 PM	25620.001	3.320	11.489	0.099
6/26/2017 10:42:26 PM	25680.001	3.323	11.509	0.094
6/26/2017 10:43:26 PM	25740.001	3.323	11.501	0.093
6/26/2017 10:44:26 PM	25800.001	3.322	11.509	0.095
6/26/2017 10:45:26 PM	25860.001	3.319	11.488	0.103
6/26/2017 10:46:26 PM	25920.001	3.318	11.513	0.105
6/26/2017 10:47:26 PM	25980.001	3.324	11.496	0.091
6/26/2017 10:48:26 PM	26040.001	3.318	11.483	0.105
6/26/2017 10:49:26 PM	26100.001	3.320	11.465	0.100
6/26/2017 10:50:26 PM	26160.001	3.323	11.490	0.093
6/26/2017 10:51:26 PM	26220.001	3.320	11.483	0.099
6/26/2017 10:52:26 PM	26280.001	3.319	11.513	0.102
6/26/2017 10:53:26 PM	26340.001	3.318	11.498	0.106
6/26/2017 10:54:26 PM	26400.001	3.319	11.499	0.103
6/26/2017 10:55:26 PM	26460.001	3.318	11.557	0.104
6/26/2017 10:56:26 PM	26520.001	3.320	11.489	0.100

6/26/2017 10:57:26 PM	26580.001	3.319	11.466	0.101
6/26/2017 10:58:26 PM	26640.001	3.320	11.510	0.099
6/26/2017 10:59:26 PM	26700.001	3.321	11.477	0.096
6/26/2017 11:00:26 PM	26760.001	3.320	11.473	0.101
6/26/2017 11:01:26 PM	26820.001	3.320	11.496	0.101
6/26/2017 11:02:26 PM	26880.001	3.322	11.516	0.095
6/26/2017 11:03:26 PM	26940.001	3.318	11.501	0.104
6/26/2017 11:04:26 PM	27000.001	3.320	11.494	0.099
6/26/2017 11:05:26 PM	27060.001	3.321	11.496	0.097
6/26/2017 11:06:26 PM	27120.001	3.321	11.524	0.099
6/26/2017 11:07:26 PM	27180.001	3.318	11.509	0.104
6/26/2017 11:08:26 PM	27240.001	3.318	11.493	0.103
6/26/2017 11:09:26 PM	27300.001	3.322	11.508	0.096
6/26/2017 11:10:26 PM	27360.001	3.319	11.462	0.102
6/26/2017 11:11:26 PM	27420.001	3.319	11.529	0.102
6/26/2017 11:12:26 PM	27480.001	3.321	11.487	0.098
6/26/2017 11:13:26 PM	27540.001	3.319	11.504	0.103
6/26/2017 11:14:26 PM	27600.001	3.319	11.497	0.103
6/26/2017 11:15:26 PM	27660.001	3.318	11.514	0.105
6/26/2017 11:16:26 PM	27720.001	3.318	11.492	0.103
6/26/2017 11:17:26 PM	27780.001	3.320	11.507	0.101
6/26/2017 11:18:26 PM	27840.001	3.321	11.488	0.097
6/26/2017 11:19:26 PM	27900.001	3.320	11.490	0.099
6/26/2017 11:20:26 PM	27960.001	3.322	11.474	0.096
6/26/2017 11:21:26 PM	28020.001	3.320	11.504	0.101
6/26/2017 11:22:26 PM	28080.001	3.318	11.490	0.106
6/26/2017 11:23:26 PM	28140.001	3.320	11.510	0.099
6/26/2017 11:24:26 PM	28200.001	3.319	11.507	0.103
6/26/2017 11:25:26 PM	28260.001	3.317	11.493	0.107
6/26/2017 11:26:26 PM	28320.001	3.319	11.495	0.101
6/26/2017 11:27:26 PM	28380.001	3.317	11.501	0.106
6/26/2017 11:28:26 PM	28440.001	3.316	11.484	0.109
6/26/2017 11:29:26 PM	28500.001	3.316	11.495	0.109
6/26/2017 11:30:26 PM	28560.001	3.317	11.490	0.107
6/26/2017 11:31:26 PM	28620.001	3.316	11.516	0.109
6/26/2017 11:32:26 PM	28680.001	3.318	11.482	0.105
6/26/2017 11:33:26 PM	28740.001	3.316	11.477	0.110
6/26/2017 11:34:26 PM	28800.001	3.316	11.503	0.108
6/26/2017 11:35:26 PM	28860.001	3.317	11.524	0.106
6/26/2017 11:36:26 PM	28920.001	3.315	11.530	0.111
6/26/2017 11:37:26 PM	28980.001	3.317	11.488	0.107
6/26/2017 11:38:26 PM	29040.001	3.318	11.497	0.104
6/26/2017 11:39:26 PM	29100.001	3.317	11.486	0.108
6/26/2017 11:40:26 PM	29160.001	3.318	11.496	0.105
6/26/2017 11:41:26 PM	29220.001	3.318	11.517	0.106
6/26/2017 11:42:26 PM	29280.001	3.317	11.497	0.108
6/26/2017 11:43:26 PM	29340.001	3.316	11.485	0.109
6/26/2017 11:44:26 PM	29400.001	3.315	11.492	0.112
6/26/2017 11:45:26 PM	29460.001	3.315	11.493	0.111
6/26/2017 11:46:26 PM	29520.001	3.317	11.522	0.108
6/26/2017 11:47:26 PM	29580.001	3.317	11.488	0.106
6/26/2017 11:48:26 PM	29640.001	3.318	11.485	0.105
6/26/2017 11:49:26 PM	29700.001	3.312	11.497	0.118
6/26/2017 11:50:26 PM	29760.001	3.314	11.480	0.113
6/26/2017 11:51:26 PM	29820.001	3.315	11.515	0.111
6/26/2017 11:52:26 PM	29880.001	3.316	11.502	0.110
6/26/2017 11:53:26 PM	29940.001	3.316	11.480	0.109
6/26/2017 11:54:26 PM	30000.001	3.318	11.463	0.106
6/26/2017 11:55:26 PM	30060.001	3.314	11.513	0.114
6/26/2017 11:56:26 PM	30120.001	3.315	11.489	0.112
6/26/2017 11:57:26 PM	30180.001	3.316	11.518	0.110
6/26/2017 11:58:26 PM	30240.001	3.316	11.513	0.110
6/26/2017 11:59:26 PM	30300.001	3.313	11.496	0.115

6/27/2017 12:00:26 AM	30360.001	3.315	11.513	0.110
6/27/2017 12:01:26 AM	30420.001	3.313	11.501	0.116
6/27/2017 12:02:26 AM	30480.001	3.315	11.464	0.111
6/27/2017 12:03:26 AM	30540.001	3.316	11.510	0.109
6/27/2017 12:04:26 AM	30600.001	3.314	11.502	0.114
6/27/2017 12:05:26 AM	30660.001	3.312	11.476	0.118
6/27/2017 12:06:26 AM	30720.001	3.313	11.513	0.117
6/27/2017 12:07:26 AM	30780.001	3.314	11.473	0.114
6/27/2017 12:08:26 AM	30840.001	3.313	11.502	0.116
6/27/2017 12:09:26 AM	30900.001	3.315	11.477	0.111
6/27/2017 12:10:26 AM	30960.001	3.317	11.493	0.107
6/27/2017 12:11:26 AM	31020.001	3.316	11.509	0.109
6/27/2017 12:12:26 AM	31080.001	3.313	11.507	0.115
6/27/2017 12:13:26 AM	31140.001	3.313	11.530	0.117
6/27/2017 12:14:26 AM	31200.001	3.314	11.496	0.114
6/27/2017 12:15:26 AM	31260.001	3.312	11.515	0.118
6/27/2017 12:16:26 AM	31320.001	3.315	11.467	0.112
6/27/2017 12:17:26 AM	31380.001	3.313	11.493	0.116
6/27/2017 12:18:26 AM	31440.001	3.311	11.469	0.120
6/27/2017 12:19:26 AM	31500.001	3.310	11.504	0.123
6/27/2017 12:20:26 AM	31560.001	3.314	11.504	0.115
6/27/2017 12:21:26 AM	31620.001	3.312	11.503	0.118
6/27/2017 12:22:26 AM	31680.001	3.312	11.492	0.119
6/27/2017 12:23:26 AM	31740.001	3.313	11.509	0.116
6/27/2017 12:24:26 AM	31800.001	3.312	11.499	0.119
6/27/2017 12:25:26 AM	31860.001	3.312	11.494	0.117
6/27/2017 12:26:26 AM	31920.001	3.313	11.501	0.116
6/27/2017 12:27:26 AM	31980.001	3.310	11.492	0.122
6/27/2017 12:28:26 AM	32040.001	3.312	11.519	0.119
6/27/2017 12:29:26 AM	32100.001	3.312	11.483	0.119
6/27/2017 12:30:26 AM	32160.001	3.313	11.513	0.116
6/27/2017 12:31:26 AM	32220.001	3.312	11.458	0.118
6/27/2017 12:32:26 AM	32280.001	3.313	11.487	0.117
6/27/2017 12:33:26 AM	32340.001	3.311	11.479	0.120
6/27/2017 12:34:26 AM	32400.001	3.309	11.480	0.126
6/27/2017 12:35:26 AM	32460.001	3.308	11.518	0.128
6/27/2017 12:36:26 AM	32520.001	3.307	11.479	0.129
6/27/2017 12:37:26 AM	32580.001	3.308	11.506	0.127
6/27/2017 12:38:26 AM	32640.001	3.309	11.503	0.125
6/27/2017 12:39:26 AM	32700.001	3.308	11.479	0.128
6/27/2017 12:40:26 AM	32760.001	3.308	11.497	0.127
6/27/2017 12:41:26 AM	32820.001	3.310	11.492	0.124
6/27/2017 12:42:26 AM	32880.001	3.311	11.483	0.121
6/27/2017 12:43:26 AM	32940.001	3.308	11.493	0.129
6/27/2017 12:44:26 AM	33000.001	3.308	11.496	0.127
6/27/2017 12:45:26 AM	33060.001	3.305	11.499	0.135
6/27/2017 12:46:26 AM	33120.001	3.305	11.487	0.134
6/27/2017 12:47:26 AM	33180.001	3.308	11.502	0.128
6/27/2017 12:48:26 AM	33240.001	3.307	11.515	0.129
6/27/2017 12:49:26 AM	33300.001	3.308	11.514	0.127
6/27/2017 12:50:26 AM	33360.001	3.308	11.472	0.127
6/27/2017 12:51:26 AM	33420.001	3.308	11.470	0.127
6/27/2017 12:52:26 AM	33480.001	3.306	11.489	0.131
6/27/2017 12:53:26 AM	33540.001	3.309	11.489	0.126
6/27/2017 12:54:26 AM	33600.001	3.309	11.496	0.124
6/27/2017 12:55:26 AM	33660.001	3.307	11.504	0.129
6/27/2017 12:56:26 AM	33720.001	3.309	11.465	0.125
6/27/2017 12:57:26 AM	33780.001	3.308	11.458	0.128
6/27/2017 12:58:26 AM	33840.001	3.307	11.501	0.129
6/27/2017 12:59:26 AM	33900.001	3.306	11.486	0.133
6/27/2017 1:00:26 AM	33960.001	3.306	11.466	0.131
6/27/2017 1:01:26 AM	34020.001	3.308	11.469	0.128
6/27/2017 1:02:26 AM	34080.001	3.307	11.482	0.130

6/27/2017 1:03:26 AM	34140.001	3.308	11.493	0.127
6/27/2017 1:04:26 AM	34200.001	3.307	11.503	0.131
6/27/2017 1:05:26 AM	34260.001	3.307	11.470	0.130
6/27/2017 1:06:26 AM	34320.001	3.308	11.488	0.128
6/27/2017 1:07:26 AM	34380.001	3.306	11.499	0.131
6/27/2017 1:08:26 AM	34440.001	3.303	11.493	0.140
6/27/2017 1:09:26 AM	34500.001	3.306	11.494	0.132
6/27/2017 1:10:26 AM	34560.001	3.305	11.531	0.135
6/27/2017 1:11:26 AM	34620.001	3.305	11.496	0.134
6/27/2017 1:12:26 AM	34680.001	3.305	11.494	0.136
6/27/2017 1:13:26 AM	34740.001	3.305	11.478	0.134
6/27/2017 1:14:26 AM	34800.001	3.307	11.463	0.129
6/27/2017 1:15:26 AM	34860.001	3.306	11.443	0.133
6/27/2017 1:16:26 AM	34920.001	3.305	11.521	0.134
6/27/2017 1:17:26 AM	34980.001	3.305	11.488	0.135
6/27/2017 1:18:26 AM	35040.001	3.303	11.521	0.139
6/27/2017 1:19:26 AM	35100.001	3.301	11.489	0.143
6/27/2017 1:20:26 AM	35160.001	3.302	11.487	0.141
6/27/2017 1:21:26 AM	35220.001	3.303	11.496	0.140
6/27/2017 1:22:26 AM	35280.001	3.304	11.477	0.136
6/27/2017 1:23:26 AM	35340.001	3.300	11.510	0.145
6/27/2017 1:24:26 AM	35400.001	3.304	11.515	0.136
6/27/2017 1:25:26 AM	35460.001	3.302	11.504	0.141
6/27/2017 1:26:26 AM	35520.001	3.301	11.462	0.143
6/27/2017 1:27:26 AM	35580.001	3.301	11.521	0.145
6/27/2017 1:28:26 AM	35640.001	3.300	11.487	0.145
6/27/2017 1:29:26 AM	35700.001	3.298	11.463	0.151
6/27/2017 1:30:26 AM	35760.001	3.299	11.471	0.149
6/27/2017 1:31:26 AM	35820.001	3.302	11.478	0.141
6/27/2017 1:32:26 AM	35880.001	3.303	11.450	0.139
6/27/2017 1:33:26 AM	35940.001	3.303	11.518	0.140
6/27/2017 1:34:26 AM	36000.001	3.301	11.526	0.144
6/27/2017 1:35:26 AM	36060.001	3.299	11.481	0.149
6/27/2017 1:36:26 AM	36120.001	3.301	11.498	0.144
6/27/2017 1:37:26 AM	36180.001	3.298	11.474	0.150
6/27/2017 1:38:26 AM	36240.001	3.301	11.493	0.144
6/27/2017 1:39:26 AM	36300.001	3.303	11.472	0.140
6/27/2017 1:40:26 AM	36360.001	3.303	11.538	0.138
6/27/2017 1:41:26 AM	36420.001	3.300	11.488	0.146
6/27/2017 1:42:26 AM	36480.001	3.301	11.505	0.145
6/27/2017 1:43:26 AM	36540.001	3.301	11.490	0.144
6/27/2017 1:44:26 AM	36600.001	3.303	11.514	0.140
6/27/2017 1:45:26 AM	36660.001	3.300	11.528	0.146
6/27/2017 1:46:26 AM	36720.001	3.300	11.507	0.146
6/27/2017 1:47:26 AM	36780.001	3.301	11.515	0.143
6/27/2017 1:48:26 AM	36840.001	3.302	11.486	0.142
6/27/2017 1:49:26 AM	36900.001	3.300	11.498	0.147
6/27/2017 1:50:26 AM	36960.001	3.303	11.463	0.139
6/27/2017 1:51:26 AM	37020.001	3.300	11.446	0.145
6/27/2017 1:52:26 AM	37080.001	3.299	11.491	0.149
6/27/2017 1:53:26 AM	37140.001	3.303	11.479	0.140
6/27/2017 1:54:26 AM	37200.001	3.300	11.443	0.147
6/27/2017 1:55:26 AM	37260.001	3.302	11.479	0.142
6/27/2017 1:56:26 AM	37320.001	3.300	11.470	0.147
6/27/2017 1:57:26 AM	37380.001	3.300	11.477	0.145
6/27/2017 1:58:26 AM	37440.001	3.298	11.501	0.150
6/27/2017 1:59:26 AM	37500.001	3.301	11.516	0.144
6/27/2017 2:00:26 AM	37560.001	3.301	11.498	0.144
6/27/2017 2:01:26 AM	37620.001	3.303	11.519	0.138
6/27/2017 2:02:26 AM	37680.001	3.301	11.471	0.143
6/27/2017 2:03:26 AM	37740.001	3.304	11.482	0.137
6/27/2017 2:04:26 AM	37800.001	3.299	11.490	0.148
6/27/2017 2:05:26 AM	37860.001	3.300	11.500	0.146

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6/27/2017 2:07:26 AM	37980.001	3.302	11.515	0.142
6/27/2017 2:08:26 AM	38040.001	3.302	11.482	0.141
6/27/2017 2:09:26 AM	38100.001	3.299	11.495	0.149
6/27/2017 2:10:26 AM	38160.001	3.298	11.463	0.151
6/27/2017 2:11:26 AM	38220.001	3.301	11.481	0.144
6/27/2017 2:12:26 AM	38280.001	3.298	11.471	0.151
6/27/2017 2:13:26 AM	38340.001	3.302	11.489	0.142
6/27/2017 2:14:26 AM	38400.001	3.302	11.507	0.142
6/27/2017 2:15:26 AM	38460.001	3.298	11.504	0.150
6/27/2017 2:16:26 AM	38520.001	3.302	11.493	0.142
6/27/2017 2:17:26 AM	38580.001	3.301	11.524	0.144
6/27/2017 2:18:26 AM	38640.001	3.302	11.496	0.142
6/27/2017 2:19:26 AM	38700.001	3.302	11.533	0.142
6/27/2017 2:20:26 AM	38760.001	3.300	11.473	0.145
6/27/2017 2:21:26 AM	38820.001	3.301	11.498	0.145
6/27/2017 2:22:26 AM	38880.001	3.300	11.516	0.147
6/27/2017 2:23:26 AM	38940.001	3.301	11.485	0.143
6/27/2017 2:24:26 AM	39000.001	3.301	11.467	0.145
6/27/2017 2:25:26 AM	39060.001	3.300	11.489	0.146
6/27/2017 2:26:26 AM	39120.001	3.302	11.508	0.142
6/27/2017 2:27:26 AM	39180.001	3.301	11.502	0.143
6/27/2017 2:28:26 AM	39240.001	3.300	11.491	0.146
6/27/2017 2:29:26 AM	39300.001	3.300	11.517	0.146
6/27/2017 2:30:26 AM	39360.001	3.303	11.511	0.140
6/27/2017 2:31:26 AM	39420.001	3.299	11.503	0.149
6/27/2017 2:32:26 AM	39480.001	3.298	11.491	0.151
6/27/2017 2:33:26 AM	39540.001	3.301	11.506	0.143
6/27/2017 2:34:26 AM	39600.001	3.299	11.514	0.147
6/27/2017 2:35:26 AM	39660.001	3.298	11.509	0.150
6/27/2017 2:36:26 AM	39720.001	3.297	11.468	0.153
6/27/2017 2:37:26 AM	39780.001	3.301	11.508	0.145
6/27/2017 2:38:26 AM	39840.001	3.298	11.474	0.150
6/27/2017 2:39:26 AM	39900.001	3.300	11.485	0.146
6/27/2017 2:40:26 AM	39960.001	3.301	11.529	0.144
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6/27/2017 2:42:26 AM	40080.001	3.298	11.507	0.150
6/27/2017 2:43:26 AM	40140.001	3.301	11.479	0.143
6/27/2017 2:44:26 AM	40200.001	3.299	11.499	0.148
6/27/2017 2:45:26 AM	40260.001	3.301	11.498	0.143
6/27/2017 2:46:26 AM	40320.001	3.301	11.474	0.144
6/27/2017 2:47:26 AM	40380.001	3.299	11.477	0.149
6/27/2017 2:48:26 AM	40440.001	3.297	11.517	0.154
6/27/2017 2:49:26 AM	40500.001	3.301	11.519	0.145
6/27/2017 2:50:26 AM	40560.001	3.300	11.514	0.146
6/27/2017 2:51:26 AM	40620.001	3.300	11.513	0.146
6/27/2017 2:52:26 AM	40680.001	3.298	11.505	0.150
6/27/2017 2:53:26 AM	40740.001	3.302	11.531	0.141
6/27/2017 2:54:26 AM	40800.001	3.301	11.499	0.144
6/27/2017 2:55:26 AM	40860.001	3.300	11.482	0.145
6/27/2017 2:56:26 AM	40920.001	3.298	11.500	0.150
6/27/2017 2:57:26 AM	40980.001	3.301	11.493	0.144
6/27/2017 2:58:26 AM	41040.001	3.300	11.493	0.145
6/27/2017 2:59:26 AM	41100.001	3.299	11.496	0.148
6/27/2017 3:00:26 AM	41160.001	3.302	11.498	0.143
6/27/2017 3:01:26 AM	41220.001	3.301	11.510	0.143
6/27/2017 3:02:26 AM	41280.001	3.301	11.470	0.144
6/27/2017 3:03:26 AM	41340.001	3.301	11.517	0.145
6/27/2017 3:04:26 AM	41400.001	3.302	11.495	0.141
6/27/2017 3:05:26 AM	41460.001	3.299	11.514	0.149
6/27/2017 3:06:26 AM	41520.001	3.300	11.489	0.145
6/27/2017 3:07:26 AM	41580.001	3.299	11.521	0.149
6/27/2017 3:08:26 AM	41640.001	3.302	11.504	0.141

6/27/2017 3:09:26 AM	41700.001	3.302	11.494	0.142
6/27/2017 3:10:26 AM	41760.001	3.299	11.496	0.148
6/27/2017 3:11:26 AM	41820.001	3.303	11.514	0.140
6/27/2017 3:12:26 AM	41880.001	3.302	11.499	0.141
6/27/2017 3:13:26 AM	41940.001	3.299	11.479	0.149
6/27/2017 3:14:26 AM	42000.001	3.300	11.534	0.146
6/27/2017 3:15:26 AM	42060.001	3.301	11.488	0.144
6/27/2017 3:16:26 AM	42120.001	3.298	11.472	0.150
6/27/2017 3:17:26 AM	42180.001	3.300	11.546	0.145
6/27/2017 3:18:26 AM	42240.001	3.297	11.477	0.153
6/27/2017 3:19:26 AM	42300.001	3.301	11.498	0.143
6/27/2017 3:20:26 AM	42360.001	3.298	11.515	0.151
6/27/2017 3:21:26 AM	42420.001	3.298	11.488	0.150
6/27/2017 3:22:26 AM	42480.001	3.299	11.516	0.148
6/27/2017 3:23:26 AM	42540.001	3.299	11.488	0.149
6/27/2017 3:24:26 AM	42600.001	3.298	11.493	0.150
6/27/2017 3:25:26 AM	42660.001	3.297	11.504	0.152
6/27/2017 3:26:26 AM	42720.001	3.300	11.480	0.146
6/27/2017 3:27:26 AM	42780.001	3.297	11.500	0.152
6/27/2017 3:28:26 AM	42840.001	3.297	11.492	0.152
6/27/2017 3:29:26 AM	42900.001	3.298	11.497	0.150
6/27/2017 3:30:26 AM	42960.001	3.301	11.532	0.143
6/27/2017 3:31:26 AM	43020.001	3.295	11.466	0.157
6/27/2017 3:32:26 AM	43080.001	3.298	11.472	0.150
6/27/2017 3:33:26 AM	43140.001	3.299	11.501	0.148
6/27/2017 3:34:26 AM	43200.001	3.300	11.480	0.147
6/27/2017 3:35:26 AM	43260.001	3.297	11.511	0.152
6/27/2017 3:36:26 AM	43320.001	3.299	11.485	0.149
6/27/2017 3:37:26 AM	43380.001	3.300	11.492	0.145
6/27/2017 3:38:26 AM	43440.001	3.300	11.491	0.147
6/27/2017 3:39:26 AM	43500.001	3.297	11.526	0.152
6/27/2017 3:40:26 AM	43560.001	3.296	11.510	0.154
6/27/2017 3:41:26 AM	43620.001	3.296	11.520	0.154
6/27/2017 3:42:26 AM	43680.001	3.297	11.479	0.152
6/27/2017 3:43:26 AM	43740.001	3.297	11.490	0.153
6/27/2017 3:44:26 AM	43800.001	3.298	11.482	0.151
6/27/2017 3:45:26 AM	43860.001	3.296	11.471	0.156
6/27/2017 3:46:26 AM	43920.001	3.297	11.495	0.152
6/27/2017 3:47:26 AM	43980.001	3.296	11.474	0.155
6/27/2017 3:48:26 AM	44040.001	3.298	11.534	0.151
6/27/2017 3:49:26 AM	44100.001	3.298	11.482	0.150
6/27/2017 3:50:26 AM	44160.001	3.299	11.482	0.148
6/27/2017 3:51:26 AM	44220.001	3.298	11.517	0.152
6/27/2017 3:52:26 AM	44280.001	3.298	11.493	0.151
6/27/2017 3:53:26 AM	44340.001	3.297	11.501	0.153
6/27/2017 3:54:26 AM	44400.001	3.294	11.484	0.160
6/27/2017 3:55:26 AM	44460.001	3.295	11.503	0.158
6/27/2017 3:56:26 AM	44520.001	3.296	11.481	0.156
6/27/2017 3:57:26 AM	44580.001	3.297	11.503	0.153
6/27/2017 3:58:26 AM	44640.001	3.296	11.494	0.155
6/27/2017 3:59:26 AM	44700.001	3.297	11.488	0.153
6/27/2017 4:00:26 AM	44760.001	3.295	11.505	0.158
6/27/2017 4:01:26 AM	44820.001	3.296	11.486	0.155
6/27/2017 4:02:26 AM	44880.001	3.294	11.497	0.160
6/27/2017 4:03:26 AM	44940.001	3.296	11.495	0.156
6/27/2017 4:04:26 AM	45000.001	3.294	11.490	0.159
6/27/2017 4:05:26 AM	45060.001	3.294	11.472	0.161
6/27/2017 4:06:26 AM	45120.001	3.295	11.484	0.158
6/27/2017 4:07:26 AM	45180.001	3.295	11.516	0.157
6/27/2017 4:08:26 AM	45240.001	3.296	11.518	0.156
6/27/2017 4:09:26 AM	45300.001	3.293	11.476	0.163
6/27/2017 4:10:26 AM	45360.001	3.294	11.498	0.161
6/27/2017 4:11:26 AM	45420.001	3.295	11.500	0.157

6/27/2017 4:12:26 AM	45480.001	3.295	11.474	0.157
6/27/2017 4:13:26 AM	45540.001	3.296	11.485	0.156
6/27/2017 4:14:26 AM	45600.001	3.291	11.490	0.166
6/27/2017 4:15:26 AM	45660.001	3.297	11.493	0.154
6/27/2017 4:16:26 AM	45720.001	3.295	11.499	0.157
6/27/2017 4:17:26 AM	45780.001	3.294	11.500	0.160
6/27/2017 4:18:26 AM	45840.001	3.293	11.481	0.162
6/27/2017 4:19:26 AM	45900.001	3.296	11.510	0.155
6/27/2017 4:20:26 AM	45960.001	3.293	11.493	0.163
6/27/2017 4:21:26 AM	46020.001	3.294	11.485	0.160
6/27/2017 4:22:26 AM	46080.001	3.295	11.482	0.158
6/27/2017 4:23:26 AM	46140.001	3.292	11.479	0.165
6/27/2017 4:24:26 AM	46200.001	3.292	11.499	0.164
6/27/2017 4:25:26 AM	46260.001	3.294	11.496	0.160
6/27/2017 4:26:26 AM	46320.001	3.291	11.488	0.166
6/27/2017 4:27:26 AM	46380.001	3.292	11.531	0.165
6/27/2017 4:28:26 AM	46440.001	3.289	11.511	0.171
6/27/2017 4:29:26 AM	46500.001	3.293	11.483	0.161
6/27/2017 4:30:26 AM	46560.001	3.294	11.494	0.161
6/27/2017 4:31:26 AM	46620.001	3.294	11.508	0.161
6/27/2017 4:32:26 AM	46680.001	3.296	11.488	0.156
6/27/2017 4:33:26 AM	46740.001	3.295	11.499	0.157
6/27/2017 4:34:26 AM	46800.001	3.295	11.507	0.158
6/27/2017 4:35:26 AM	46860.001	3.291	11.493	0.166
6/27/2017 4:36:26 AM	46920.001	3.292	11.489	0.165
6/27/2017 4:37:26 AM	46980.001	3.292	11.505	0.165
6/27/2017 4:38:26 AM	47040.001	3.294	11.495	0.161
6/27/2017 4:39:26 AM	47100.001	3.291	11.502	0.166
6/27/2017 4:40:26 AM	47160.001	3.294	11.481	0.159
6/27/2017 4:41:26 AM	47220.001	3.293	11.490	0.162
6/27/2017 4:42:26 AM	47280.001	3.293	11.501	0.163
6/27/2017 4:43:26 AM	47340.001	3.294	11.505	0.160
6/27/2017 4:44:26 AM	47400.001	3.292	11.489	0.165
6/27/2017 4:45:26 AM	47460.001	3.291	11.490	0.166
6/27/2017 4:46:26 AM	47520.001	3.292	11.525	0.163
6/27/2017 4:47:26 AM	47580.001	3.289	11.512	0.171
6/27/2017 4:48:26 AM	47640.001	3.293	11.490	0.163
6/27/2017 4:49:26 AM	47700.001	3.293	11.461	0.162
6/27/2017 4:50:26 AM	47760.001	3.293	11.477	0.162
6/27/2017 4:51:26 AM	47820.001	3.291	11.477	0.167
6/27/2017 4:52:26 AM	47880.001	3.294	11.484	0.160
6/27/2017 4:53:26 AM	47940.001	3.294	11.521	0.159
6/27/2017 4:54:26 AM	48000.001	3.288	11.510	0.173
6/27/2017 4:55:26 AM	48060.001	3.293	11.478	0.162
6/27/2017 4:56:26 AM	48120.001	3.293	11.462	0.162
6/27/2017 4:57:26 AM	48180.001	3.293	11.471	0.161
6/27/2017 4:58:26 AM	48240.001	3.294	11.489	0.160
6/27/2017 4:59:26 AM	48300.001	3.293	11.518	0.162
6/27/2017 5:00:26 AM	48360.001	3.292	11.503	0.164
6/27/2017 5:01:26 AM	48420.001	3.292	11.506	0.165
6/27/2017 5:02:26 AM	48480.001	3.293	11.501	0.163
6/27/2017 5:03:26 AM	48540.001	3.294	11.519	0.159
6/27/2017 5:04:26 AM	48600.001	3.293	11.480	0.163
6/27/2017 5:05:26 AM	48660.001	3.294	11.539	0.159
6/27/2017 5:06:26 AM	48720.001	3.294	11.509	0.160
6/27/2017 5:07:26 AM	48780.001	3.291	11.486	0.167
6/27/2017 5:08:26 AM	48840.001	3.295	11.478	0.159
6/27/2017 5:09:26 AM	48900.001	3.295	11.488	0.157
6/27/2017 5:10:26 AM	48960.001	3.292	11.500	0.165
6/27/2017 5:11:26 AM	49020.001	3.293	11.480	0.162
6/27/2017 5:12:26 AM	49080.001	3.293	11.514	0.162
6/27/2017 5:13:26 AM	49140.001	3.292	11.482	0.164
6/27/2017 5:14:26 AM	49200.001	3.292	11.521	0.166

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6/27/2017 5:17:26 AM	49380.001	3.293	11.534	0.162
6/27/2017 5:18:26 AM	49440.001	3.293	11.496	0.163
6/27/2017 5:19:26 AM	49500.001	3.293	11.502	0.162
6/27/2017 5:20:26 AM	49560.001	3.296	11.501	0.155
6/27/2017 5:21:26 AM	49620.001	3.295	11.479	0.157
6/27/2017 5:22:26 AM	49680.001	3.298	11.491	0.150
6/27/2017 5:23:26 AM	49740.001	3.296	11.527	0.155
6/27/2017 5:24:26 AM	49800.001	3.298	11.504	0.151
6/27/2017 5:25:26 AM	49860.001	3.298	11.466	0.151
6/27/2017 5:26:26 AM	49920.001	3.296	11.488	0.155
6/27/2017 5:27:26 AM	49980.001	3.297	11.494	0.153
6/27/2017 5:28:26 AM	50040.001	3.298	11.498	0.152
6/27/2017 5:29:26 AM	50100.001	3.298	11.510	0.150
6/27/2017 5:30:26 AM	50160.001	3.296	11.511	0.154
6/27/2017 5:31:26 AM	50220.001	3.298	11.517	0.152
6/27/2017 5:32:26 AM	50280.001	3.298	11.503	0.150
6/27/2017 5:33:26 AM	50340.001	3.298	11.490	0.151
6/27/2017 5:34:26 AM	50400.001	3.299	11.501	0.148
6/27/2017 5:35:26 AM	50460.001	3.299	11.494	0.148
6/27/2017 5:36:26 AM	50520.001	3.298	11.498	0.150
6/27/2017 5:37:26 AM	50580.001	3.298	11.513	0.150
6/27/2017 5:38:26 AM	50640.001	3.294	11.527	0.160
6/27/2017 5:39:26 AM	50700.001	3.297	11.497	0.154
6/27/2017 5:40:26 AM	50760.001	3.297	11.474	0.152
6/27/2017 5:41:26 AM	50820.001	3.297	11.496	0.154
6/27/2017 5:42:26 AM	50880.001	3.300	11.507	0.146
6/27/2017 5:43:26 AM	50940.001	3.298	11.482	0.151
6/27/2017 5:44:26 AM	51000.001	3.300	11.524	0.146
6/27/2017 5:45:26 AM	51060.001	3.299	11.517	0.148
6/27/2017 5:46:26 AM	51120.001	3.298	11.502	0.152
6/27/2017 5:47:26 AM	51180.001	3.297	11.492	0.152
6/27/2017 5:48:26 AM	51240.001	3.296	11.499	0.155
6/27/2017 5:49:26 AM	51300.001	3.297	11.496	0.153
6/27/2017 5:50:26 AM	51360.001	3.299	11.514	0.148
6/27/2017 5:51:26 AM	51420.001	3.299	11.492	0.150
6/27/2017 5:52:26 AM	51480.001	3.296	11.510	0.155
6/27/2017 5:53:26 AM	51540.001	3.298	11.495	0.151
6/27/2017 5:54:26 AM	51600.001	3.294	11.490	0.160
6/27/2017 5:55:26 AM	51660.001	3.297	11.469	0.152
6/27/2017 5:56:26 AM	51720.001	3.296	11.524	0.156
6/27/2017 5:57:26 AM	51780.001	3.298	11.494	0.150
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6/27/2017 6:00:26 AM	51960.001	3.298	11.504	0.151
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6/27/2017 6:05:26 AM	52260.001	3.297	11.478	0.154
6/27/2017 6:06:26 AM	52320.001	3.297	11.499	0.153
6/27/2017 6:07:26 AM	52380.001	3.300	11.510	0.147
6/27/2017 6:08:26 AM	52440.001	3.297	11.474	0.154
6/27/2017 6:09:26 AM	52500.001	3.296	11.515	0.154
6/27/2017 6:10:26 AM	52560.001	3.296	11.487	0.156
6/27/2017 6:11:26 AM	52620.001	3.296	11.501	0.155
6/27/2017 6:12:26 AM	52680.001	3.297	11.482	0.153
6/27/2017 6:13:26 AM	52740.001	3.296	11.490	0.156
6/27/2017 6:14:26 AM	52800.001	3.296	11.488	0.156
6/27/2017 6:15:26 AM	52860.001	3.298	11.495	0.150
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6/27/2017 6:22:26 AM	53280.001	3.297	11.457	0.154
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6/27/2017 6:34:26 AM	54000.001	3.296	11.485	0.156
6/27/2017 6:35:26 AM	54060.001	3.300	11.480	0.147
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6/27/2017 7:11:26 AM	56220.001	3.298	11.477	0.150
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6/27/2017 7:42:26 AM	58080.001	3.297	11.521	0.153
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6/27/2017 7:49:26 AM	58500.001	3.292	11.507	0.165
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6/27/2017 7:58:26 AM	59040.001	3.293	11.501	0.162
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6/27/2017 8:00:26 AM	59160.001	3.294	11.506	0.160
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6/27/2017 8:05:26 AM	59460.001	3.293	11.503	0.162
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6/27/2017 8:08:26 AM	59640.001	3.295	11.510	0.157
6/27/2017 8:09:26 AM	59700.001	3.292	11.508	0.164
6/27/2017 8:10:26 AM	59760.001	3.295	11.521	0.158
6/27/2017 8:11:26 AM	59820.001	3.296	11.479	0.155
6/27/2017 8:12:26 AM	59880.001	3.294	11.500	0.160
6/27/2017 8:13:26 AM	59940.001	3.293	11.485	0.163
6/27/2017 8:14:26 AM	60000.001	3.295	11.486	0.158
6/27/2017 8:15:26 AM	60060.001	3.294	11.471	0.159
6/27/2017 8:16:26 AM	60120.001	3.296	11.501	0.156
6/27/2017 8:17:26 AM	60180.001	3.294	11.515	0.160
6/27/2017 8:18:26 AM	60240.001	3.298	11.522	0.151
6/27/2017 8:19:26 AM	60300.001	3.294	11.492	0.160
6/27/2017 8:20:26 AM	60360.001	3.295	11.490	0.158
6/27/2017 8:21:26 AM	60420.001	3.293	11.508	0.163
6/27/2017 8:22:26 AM	60480.001	3.294	11.499	0.161
6/27/2017 8:23:26 AM	60540.001	3.295	11.481	0.159

6/27/2017 8:24:26 AM	60600.001	3.292	11.529	0.165
6/27/2017 8:25:26 AM	60660.001	3.293	11.479	0.163
6/27/2017 8:26:26 AM	60720.001	3.293	11.508	0.163
6/27/2017 8:27:26 AM	60780.001	3.293	11.506	0.163
6/27/2017 8:28:26 AM	60840.001	3.297	11.502	0.153
6/27/2017 8:29:26 AM	60900.001	3.296	11.514	0.155
6/27/2017 8:30:26 AM	60960.001	3.294	11.475	0.160
6/27/2017 8:31:26 AM	61020.001	3.294	11.476	0.160
6/27/2017 8:32:26 AM	61080.001	3.295	11.500	0.157
6/27/2017 8:33:26 AM	61140.001	3.294	11.496	0.160
6/27/2017 8:34:26 AM	61200.001	3.293	11.476	0.162
6/27/2017 8:35:26 AM	61260.001	3.292	11.518	0.164
6/27/2017 8:36:26 AM	61320.001	3.293	11.513	0.162
6/27/2017 8:37:26 AM	61380.001	3.293	11.479	0.163
6/27/2017 8:38:26 AM	61440.001	3.296	11.518	0.155
6/27/2017 8:39:26 AM	61500.001	3.295	11.490	0.157

Report Date: 7/10/2017 9:18:43 AM
Report User Name: dalmond
Report Computer Name: PINEWRKMA25-PC
Application: WinSitu.exe
Application Version: 5.6.25.0

Log File Properties:
File Name: CH-MW021 RH1_2017-07-10_09-18-38-214.wsl
Create Date: 7/10/2017 9:16:25 AM

Device Properties:
Device: Level TROLL 700
Site: Camp Hero
Device Name:
Serial Number: 169305
Firmware Version: 2.09
Hardware Version: 3
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 26
Used Battery(%): 41

Log Configuration
Log Name: CH-MW021 RH1
Created By: Unknown
Computer Name: Pocket PC
Application: WinSituMobile.exe
Application Version: 5.6.0.10
Create Date: 3/4/2006 10:36:16 AM Eastern Standard Time
Log Setup Time Zone: Eastern Standard Time
Notes Size(bytes): 4096
Overwrite when full: Disabled
Scheduled Start Time: Manual Start
Scheduled Stop Time: No Stop Time
Type: Step Test
Steps: 2 (Linear)
Step: 1
Duration: Days: 0 hrs: 00 mins: 02 secs: 00
Interval: Days: 0 hrs: 00 mins: 00 secs: 01
Step: 2
Duration: Days: 0 hrs: 10 mins: 00 secs: 00
Interval: Days: 0 hrs: 00 mins: 05 secs: 00

Level Reference Settings At Log Creation
Level Measurement Mode: Level Depth To Water
Specific Gravity: 0.999
Level Reference Mode: Set new reference
Level Reference Value: 0 (ft)
Level Reference Head Pressure: 2.21614 (PSI)

Other Log Settings
Depth of Probe: 5.11468 (ft)
Head Pressure: 2.21513 (PSI)
Temperature: 11.4524 (C)

Log Notes:

Date and Time	Note
6/22/2017 4:13:22 PM	Used Battery: 41% Used Memory: 28% User Name: Unknown
6/22/2017 4:13:34 PM	Manual Start Command

Log Data:
Record Count: 241
Sensors: 1
1 - 169305: Pressure/Temp 30 PSIG (21m/69ft)
Time Zone: Eastern Daylight Time

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 69ft SN#: 169305 Pressure (PSI)	Sensor: Pres(G) 69ft SN#: 169305 Temperature (C)	Sensor: Pres(G) 69ft SN#: 169305 Level Depth To Water (ft)
6/22/2017 4:13:34 PM	0.000	2.223	11.347	-0.017
6/22/2017 4:13:35 PM	1.000	2.221	11.356	-0.012
6/22/2017 4:13:36 PM	2.000	2.218	11.359	-0.005
6/22/2017 4:13:37 PM	3.253	2.224	11.358	-0.018
6/22/2017 4:13:38 PM	4.204	2.225	11.363	-0.019
6/22/2017 4:13:39 PM	5.000	2.223	11.367	-0.015
6/22/2017 4:13:40 PM	6.000	2.220	11.364	-0.009
6/22/2017 4:13:41 PM	7.000	2.221	11.366	-0.011
6/22/2017 4:13:42 PM	8.000	2.222	11.368	-0.014
6/22/2017 4:13:43 PM	9.000	2.194	11.367	0.051
6/22/2017 4:13:44 PM	10.000	2.213	11.368	0.006
6/22/2017 4:13:45 PM	11.001	1.854	11.367	0.836
6/22/2017 4:13:46 PM	12.001	1.447	11.372	1.776
6/22/2017 4:13:47 PM	13.000	1.456	11.371	1.756
6/22/2017 4:13:48 PM	14.000	1.464	11.368	1.737
6/22/2017 4:13:49 PM	15.000	1.475	11.372	1.711
6/22/2017 4:13:50 PM	16.000	1.483	11.373	1.693
6/22/2017 4:13:51 PM	17.000	1.491	11.372	1.675
6/22/2017 4:13:52 PM	18.000	1.496	11.373	1.662
6/22/2017 4:13:53 PM	19.001	1.505	11.373	1.641
6/22/2017 4:13:54 PM	20.001	1.511	11.373	1.629
6/22/2017 4:13:55 PM	21.001	1.516	11.373	1.616
6/22/2017 4:13:56 PM	22.001	1.523	11.375	1.601
6/22/2017 4:13:57 PM	23.001	1.531	11.373	1.581
6/22/2017 4:13:58 PM	24.001	1.538	11.380	1.567
6/22/2017 4:13:59 PM	25.001	1.544	11.379	1.552
6/22/2017 4:14:00 PM	26.001	1.549	11.375	1.541
6/22/2017 4:14:01 PM	27.001	1.556	11.379	1.525
6/22/2017 4:14:02 PM	28.001	1.562	11.379	1.510
6/22/2017 4:14:03 PM	29.001	1.568	11.380	1.497
6/22/2017 4:14:04 PM	30.001	1.572	11.381	1.487
6/22/2017 4:14:05 PM	31.001	1.580	11.381	1.468
6/22/2017 4:14:06 PM	32.001	1.585	11.380	1.457
6/22/2017 4:14:07 PM	33.001	1.590	11.382	1.445
6/22/2017 4:14:08 PM	34.001	1.595	11.382	1.433
6/22/2017 4:14:09 PM	35.001	1.601	11.382	1.420
6/22/2017 4:14:10 PM	36.001	1.606	11.380	1.409
6/22/2017 4:14:11 PM	37.001	1.621	11.384	1.375
6/22/2017 4:14:12 PM	38.001	1.623	11.383	1.369
6/22/2017 4:14:13 PM	39.001	1.622	11.383	1.371
6/22/2017 4:14:14 PM	40.001	1.618	11.384	1.382
6/22/2017 4:14:15 PM	41.001	1.620	11.383	1.377
6/22/2017 4:14:16 PM	42.001	1.622	11.385	1.373
6/22/2017 4:14:17 PM	43.001	1.627	11.385	1.361
6/22/2017 4:14:18 PM	44.001	1.631	11.385	1.351
6/22/2017 4:14:19 PM	45.001	1.636	11.386	1.339

6/22/2017 4:14:20 PM	46.001	1.640	11.387	1.330
6/22/2017 4:14:21 PM	47.001	1.646	11.384	1.318
6/22/2017 4:14:22 PM	48.001	1.649	11.389	1.310
6/22/2017 4:14:23 PM	49.001	1.653	11.388	1.299
6/22/2017 4:14:24 PM	50.001	1.656	11.386	1.293
6/22/2017 4:14:25 PM	51.001	1.660	11.390	1.283
6/22/2017 4:14:26 PM	52.001	1.662	11.386	1.279
6/22/2017 4:14:27 PM	53.001	1.665	11.389	1.274
6/22/2017 4:14:28 PM	54.001	1.668	11.391	1.264
6/22/2017 4:14:29 PM	55.001	1.670	11.392	1.261
6/22/2017 4:14:30 PM	56.001	1.675	11.390	1.249
6/22/2017 4:14:31 PM	57.001	1.676	11.391	1.247
6/22/2017 4:14:32 PM	58.001	1.678	11.392	1.243
6/22/2017 4:14:33 PM	59.001	1.682	11.394	1.233
6/22/2017 4:14:34 PM	60.001	1.683	11.396	1.231
6/22/2017 4:14:35 PM	61.001	1.686	11.395	1.223
6/22/2017 4:14:36 PM	62.001	1.689	11.398	1.218
6/22/2017 4:14:37 PM	63.001	1.691	11.397	1.213
6/22/2017 4:14:38 PM	64.001	1.690	11.398	1.214
6/22/2017 4:14:39 PM	65.001	1.693	11.398	1.208
6/22/2017 4:14:40 PM	66.001	1.695	11.399	1.203
6/22/2017 4:14:41 PM	67.001	1.696	11.404	1.201
6/22/2017 4:14:42 PM	68.001	1.698	11.406	1.197
6/22/2017 4:14:43 PM	69.001	1.699	11.406	1.193
6/22/2017 4:14:44 PM	70.001	1.702	11.406	1.187
6/22/2017 4:14:45 PM	71.001	1.701	11.406	1.189
6/22/2017 4:14:46 PM	72.001	1.705	11.411	1.181
6/22/2017 4:14:47 PM	73.001	1.706	11.410	1.178
6/22/2017 4:14:48 PM	74.001	1.708	11.411	1.173
6/22/2017 4:14:49 PM	75.001	1.710	11.412	1.168
6/22/2017 4:14:50 PM	76.001	1.710	11.413	1.168
6/22/2017 4:14:51 PM	77.001	1.713	11.413	1.162
6/22/2017 4:14:52 PM	78.001	1.713	11.418	1.161
6/22/2017 4:14:53 PM	79.001	1.715	11.416	1.158
6/22/2017 4:14:54 PM	80.001	1.716	11.415	1.155
6/22/2017 4:14:55 PM	81.001	1.716	11.422	1.154
6/22/2017 4:14:56 PM	82.001	1.716	11.417	1.155
6/22/2017 4:14:57 PM	83.001	1.718	11.418	1.151
6/22/2017 4:14:58 PM	84.001	1.718	11.416	1.150
6/22/2017 4:14:59 PM	85.001	1.720	11.419	1.146
6/22/2017 4:15:00 PM	86.001	1.721	11.421	1.143
6/22/2017 4:15:01 PM	87.001	1.721	11.419	1.144
6/22/2017 4:15:02 PM	88.001	1.721	11.420	1.143
6/22/2017 4:15:03 PM	89.001	1.722	11.418	1.142
6/22/2017 4:15:04 PM	90.001	1.722	11.419	1.141
6/22/2017 4:15:05 PM	91.001	1.723	11.422	1.138
6/22/2017 4:15:06 PM	92.001	1.725	11.421	1.134
6/22/2017 4:15:07 PM	93.001	1.723	11.424	1.138
6/22/2017 4:15:08 PM	94.001	1.725	11.422	1.133
6/22/2017 4:15:09 PM	95.001	1.726	11.422	1.132
6/22/2017 4:15:10 PM	96.001	1.726	11.425	1.131
6/22/2017 4:15:11 PM	97.001	1.727	11.425	1.130
6/22/2017 4:15:12 PM	98.001	1.729	11.424	1.126
6/22/2017 4:15:13 PM	99.001	1.729	11.426	1.125
6/22/2017 4:15:14 PM	100.001	1.730	11.423	1.122
6/22/2017 4:15:15 PM	101.001	1.729	11.429	1.124
6/22/2017 4:15:16 PM	102.001	1.730	11.426	1.122
6/22/2017 4:15:17 PM	103.001	1.731	11.427	1.119
6/22/2017 4:15:18 PM	104.001	1.733	11.431	1.115
6/22/2017 4:15:19 PM	105.001	1.734	11.432	1.113
6/22/2017 4:15:20 PM	106.001	1.740	11.432	1.100
6/22/2017 4:15:21 PM	107.001	1.741	11.432	1.097
6/22/2017 4:15:22 PM	108.001	1.747	11.433	1.083

6/22/2017 4:15:23 PM	109.001	1.744	11.432	1.089
6/22/2017 4:15:24 PM	110.001	1.748	11.433	1.080
6/22/2017 4:15:25 PM	111.001	1.750	11.434	1.076
6/22/2017 4:15:26 PM	112.001	1.750	11.435	1.076
6/22/2017 4:15:27 PM	113.001	1.749	11.434	1.079
6/22/2017 4:15:28 PM	114.001	1.749	11.436	1.078
6/22/2017 4:15:29 PM	115.001	1.749	11.434	1.079
6/22/2017 4:15:30 PM	116.001	1.749	11.438	1.078
6/22/2017 4:15:31 PM	117.001	1.749	11.432	1.080
6/22/2017 4:15:32 PM	118.001	1.750	11.436	1.075
6/22/2017 4:15:33 PM	119.001	1.754	11.434	1.068
6/22/2017 4:15:34 PM	120.001	1.754	11.436	1.068
6/22/2017 4:20:34 PM	420.001	1.801	11.455	0.957
6/22/2017 4:25:34 PM	720.001	1.823	11.492	0.907
6/22/2017 4:30:34 PM	1020.001	1.839	11.520	0.870
6/22/2017 4:35:34 PM	1320.001	1.849	11.526	0.848
6/22/2017 4:40:34 PM	1620.001	1.859	11.504	0.826
6/22/2017 4:45:34 PM	1920.001	1.867	11.488	0.807
6/22/2017 4:50:34 PM	2220.001	1.876	11.467	0.786
6/22/2017 4:55:34 PM	2520.001	1.883	11.449	0.770
6/22/2017 5:00:34 PM	2820.001	1.889	11.428	0.756
6/22/2017 5:05:34 PM	3120.001	1.895	11.407	0.742
6/22/2017 5:10:34 PM	3420.001	1.902	11.391	0.725
6/22/2017 5:15:34 PM	3720.001	1.908	11.380	0.712
6/22/2017 5:20:34 PM	4020.001	1.913	11.370	0.700
6/22/2017 5:25:34 PM	4320.001	1.917	11.369	0.690
6/22/2017 5:30:34 PM	4620.001	1.922	11.368	0.678
6/22/2017 5:35:34 PM	4920.001	1.929	11.374	0.664
6/22/2017 5:40:34 PM	5220.001	1.934	11.383	0.651
6/22/2017 5:45:34 PM	5520.001	1.938	11.384	0.643
6/22/2017 5:50:34 PM	5820.001	1.943	11.390	0.631
6/22/2017 5:55:34 PM	6120.001	1.948	11.385	0.618
6/22/2017 6:00:34 PM	6420.001	1.953	11.385	0.609
6/22/2017 6:05:34 PM	6720.001	1.957	11.377	0.599
6/22/2017 6:10:34 PM	7020.001	1.962	11.376	0.588
6/22/2017 6:15:34 PM	7320.001	1.966	11.374	0.577
6/22/2017 6:20:34 PM	7620.001	1.970	11.370	0.567
6/22/2017 6:25:34 PM	7920.001	1.974	11.373	0.559
6/22/2017 6:30:34 PM	8220.001	1.979	11.363	0.547
6/22/2017 6:35:34 PM	8520.001	1.984	11.365	0.537
6/22/2017 6:40:34 PM	8820.001	1.988	11.358	0.528
6/22/2017 6:45:34 PM	9120.001	1.991	11.360	0.519
6/22/2017 6:50:34 PM	9420.001	1.996	11.362	0.508
6/22/2017 6:55:34 PM	9720.001	2.001	11.358	0.497
6/22/2017 7:00:34 PM	10020.001	2.005	11.356	0.488
6/22/2017 7:05:34 PM	10320.001	2.008	11.356	0.481
6/22/2017 7:10:34 PM	10620.001	2.013	11.354	0.468
6/22/2017 7:15:34 PM	10920.001	2.018	11.354	0.458
6/22/2017 7:20:34 PM	11220.001	2.024	11.352	0.444
6/22/2017 7:25:34 PM	11520.001	2.028	11.347	0.433
6/22/2017 7:30:34 PM	11820.001	2.033	11.343	0.422
6/22/2017 7:35:34 PM	12120.001	2.039	11.345	0.410
6/22/2017 7:40:34 PM	12420.001	2.043	11.342	0.400
6/22/2017 7:45:34 PM	12720.001	2.047	11.345	0.390
6/22/2017 7:50:34 PM	13020.001	2.050	11.345	0.384
6/22/2017 7:55:34 PM	13320.001	2.055	11.342	0.371
6/22/2017 8:00:34 PM	13620.001	2.058	11.342	0.365
6/22/2017 8:05:34 PM	13920.001	2.064	11.341	0.351
6/22/2017 8:10:34 PM	14220.001	2.066	11.339	0.346
6/22/2017 8:15:34 PM	14520.001	2.068	11.338	0.341
6/22/2017 8:20:34 PM	14820.001	2.070	11.336	0.338
6/22/2017 8:25:34 PM	15120.001	2.073	11.339	0.331
6/22/2017 8:30:34 PM	15420.001	2.078	11.338	0.318

6/22/2017 8:35:34 PM	15720.001	2.080	11.338	0.315
6/22/2017 8:40:34 PM	16020.001	2.083	11.339	0.308
6/22/2017 8:45:34 PM	16320.001	2.085	11.336	0.302
6/22/2017 8:50:34 PM	16620.001	2.088	11.336	0.296
6/22/2017 8:55:34 PM	16920.001	2.090	11.333	0.292
6/22/2017 9:00:34 PM	17220.001	2.091	11.335	0.289
6/22/2017 9:05:34 PM	17520.001	2.096	11.336	0.276
6/22/2017 9:10:34 PM	17820.001	2.096	11.336	0.277
6/22/2017 9:15:34 PM	18120.001	2.098	11.337	0.272
6/22/2017 9:20:34 PM	18420.001	2.098	11.338	0.272
6/22/2017 9:25:34 PM	18720.001	2.103	11.338	0.260
6/22/2017 9:30:34 PM	19020.001	2.104	11.339	0.258
6/22/2017 9:35:34 PM	19320.001	2.109	11.339	0.248
6/22/2017 9:40:34 PM	19620.001	2.108	11.338	0.250
6/22/2017 9:45:34 PM	19920.001	2.110	11.339	0.245
6/22/2017 9:50:34 PM	20220.001	2.111	11.340	0.244
6/22/2017 9:55:34 PM	20520.001	2.112	11.335	0.240
6/22/2017 10:00:34 PM	20820.001	2.115	11.340	0.233
6/22/2017 10:05:34 PM	21120.001	2.116	11.340	0.232
6/22/2017 10:10:34 PM	21420.001	2.092	11.341	0.287
6/22/2017 10:15:34 PM	21720.001	2.094	11.340	0.283
6/22/2017 10:20:34 PM	22020.001	2.097	11.338	0.275
6/22/2017 10:25:34 PM	22320.001	2.101	11.337	0.267
6/22/2017 10:30:34 PM	22620.001	2.103	11.337	0.261
6/22/2017 10:35:34 PM	22920.001	2.104	11.337	0.258
6/22/2017 10:40:34 PM	23220.001	2.107	11.336	0.252
6/22/2017 10:45:34 PM	23520.001	2.110	11.339	0.246
6/22/2017 10:50:34 PM	23820.001	2.112	11.340	0.240
6/22/2017 10:55:34 PM	24120.001	2.113	11.343	0.239
6/22/2017 11:00:34 PM	24420.001	2.115	11.342	0.232
6/22/2017 11:05:34 PM	24720.001	2.117	11.341	0.228
6/22/2017 11:10:34 PM	25020.001	2.117	11.341	0.228
6/22/2017 11:15:34 PM	25320.001	2.119	11.340	0.225
6/22/2017 11:20:34 PM	25620.001	2.121	11.342	0.219
6/22/2017 11:25:34 PM	25920.001	2.122	11.342	0.216
6/22/2017 11:30:34 PM	26220.001	2.125	11.339	0.211
6/22/2017 11:35:34 PM	26520.001	2.125	11.342	0.211
6/22/2017 11:40:34 PM	26820.001	2.127	11.343	0.205
6/22/2017 11:45:34 PM	27120.001	2.129	11.344	0.201
6/22/2017 11:50:34 PM	27420.001	2.129	11.344	0.201
6/22/2017 11:55:34 PM	27720.001	2.131	11.347	0.198
6/23/2017 12:00:34 AM	28020.001	2.131	11.345	0.196
6/23/2017 12:05:34 AM	28320.001	2.133	11.345	0.191
6/23/2017 12:10:34 AM	28620.001	2.133	11.345	0.192
6/23/2017 12:15:34 AM	28920.001	2.135	11.345	0.187
6/23/2017 12:20:34 AM	29220.001	2.135	11.344	0.187
6/23/2017 12:25:34 AM	29520.001	2.137	11.343	0.182
6/23/2017 12:30:34 AM	29820.001	2.138	11.344	0.180
6/23/2017 12:35:34 AM	30120.001	2.139	11.342	0.179
6/23/2017 12:40:34 AM	30420.001	2.140	11.342	0.177
6/23/2017 12:45:34 AM	30720.001	2.141	11.342	0.173
6/23/2017 12:50:34 AM	31020.001	2.140	11.345	0.175
6/23/2017 12:55:34 AM	31320.001	2.143	11.343	0.169
6/23/2017 1:00:34 AM	31620.001	2.146	11.343	0.162
6/23/2017 1:05:34 AM	31920.001	2.145	11.343	0.164
6/23/2017 1:10:34 AM	32220.001	2.147	11.342	0.160
6/23/2017 1:15:34 AM	32520.001	2.147	11.338	0.159
6/23/2017 1:20:34 AM	32820.001	2.147	11.342	0.159
6/23/2017 1:25:34 AM	33120.001	2.150	11.341	0.154
6/23/2017 1:30:34 AM	33420.001	2.149	11.341	0.156
6/23/2017 1:35:34 AM	33720.001	2.151	11.342	0.151
6/23/2017 1:40:34 AM	34020.001	2.151	11.340	0.149
6/23/2017 1:45:34 AM	34320.001	2.152	11.342	0.149

6/23/2017 1:50:34 AM	34620.001	2.154	11.342	0.144
6/23/2017 1:55:34 AM	34920.001	2.157	11.343	0.137
6/23/2017 2:00:34 AM	35220.001	2.156	11.340	0.139
6/23/2017 2:05:34 AM	35520.001	2.156	11.342	0.138
6/23/2017 2:10:34 AM	35820.001	2.159	11.336	0.132
6/23/2017 2:15:34 AM	36120.001	2.157	11.343	0.136

Report Date: 7/10/2017 9:25:35 AM
Report User Name: dalmond
Report Computer Name: PINEWRKMA25-PC
Application: WinSitu.exe
Application Version: 5.6.25.0

Log File Properties:
File Name: CH-MW-021 RH2_2017-07-10_09-25-28-126.wsl
Create Date: 7/10/2017 9:25:26 AM

Device Properties:
Device: Level TROLL 700
Site: Camp Hero
Device Name: Level Troll 700
Serial Number: 402202
Firmware Version: 3.02
Hardware Version: 4
Device Address: 1
Device Comm Cfg: 19200,8,Even,1,(Modbus-RTU)
Used Memory(%): 26
Used Battery(%): 12

Log Configuration
Log Name: CH-MW-021 RH2
Created By: Unknown
Computer Name: Pocket PC
Application: WinSituMobile.exe
Application Version: 5.6.0.10
Create Date: 3/9/2006 4:35:47 AM Eastern Standard Time
Log Setup Time Zone: Eastern Standard Time
Notes Size(bytes): 4096
Overwrite when full: Disabled
Scheduled Start Time: Manual Start
Scheduled Stop Time: No Stop Time
Type: Step Test
Steps: 2 (Linear)
Step: 1
Duration: Days: 0 hrs: 00 mins: 05 secs: 00
Interval: Days: 0 hrs: 00 mins: 00 secs: 01
Step: 2
Duration: Days: 0 hrs: 17 mins: 00 secs: 00
Interval: Days: 0 hrs: 00 mins: 01 secs: 00

Level Reference Settings At Log Creation
Level Measurement Mode: Level Depth To Water
Specific Gravity: 0.999
Level Reference Mode: Set new reference
Level Reference Value: 0 (ft)
Level Reference Head Pressure: 3.2986 (PSI)

Other Log Settings
Pressure Offset: 0.00335646 (PSI)
Depth of Probe: 7.61062 (ft)
Head Pressure: 3.29611 (PSI)
Temperature: 11.5419 (C)

Log Notes:

Date and Time	Note
6/27/2017 10:16:08 AM	Used Battery: 12% Used Memory: 28% User Name: Unknown
6/27/2017 10:17:13 AM	Manual Start Command

Log Data:
Record Count: 1321
Sensors: 1
1 - 402202: Pressure/Temp 30 PSIG (21m/69ft)
Time Zone: Eastern Daylight Time

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 69ft SN#: 402202 Pressure (PSI)	Sensor: Pres(G) 69ft SN#: 402202 Temperature (C)	Sensor: Pres(G) 69ft SN#: 402202 Level Depth To Water (ft)
6/27/2017 10:17:13 AM	0.000	3.301	11.513	-0.005
6/27/2017 10:17:14 AM	1.000	3.301	11.505	-0.005
6/27/2017 10:17:15 AM	2.000	3.299	11.507	-0.001
6/27/2017 10:17:16 AM	3.000	3.299	11.498	-0.000
6/27/2017 10:17:17 AM	4.000	3.301	11.521	-0.006
6/27/2017 10:17:18 AM	5.000	3.297	11.531	0.005
6/27/2017 10:17:19 AM	6.000	3.300	11.513	-0.004
6/27/2017 10:17:20 AM	7.000	3.298	11.537	0.002
6/27/2017 10:17:21 AM	8.000	3.300	11.544	-0.002
6/27/2017 10:17:22 AM	9.000	3.299	11.534	-0.000
6/27/2017 10:17:23 AM	10.000	3.304	11.501	-0.011
6/27/2017 10:17:24 AM	11.000	3.300	11.522	-0.004
6/27/2017 10:17:25 AM	12.000	3.279	11.528	0.045
6/27/2017 10:17:26 AM	13.000	3.062	11.515	0.547
6/27/2017 10:17:27 AM	14.000	3.072	11.516	0.524
6/27/2017 10:17:28 AM	15.000	3.071	11.535	0.526
6/27/2017 10:17:29 AM	16.000	3.077	11.521	0.512
6/27/2017 10:17:30 AM	17.000	3.077	11.521	0.511
6/27/2017 10:17:31 AM	18.000	3.081	11.513	0.502
6/27/2017 10:17:32 AM	19.000	3.085	11.522	0.492
6/27/2017 10:17:33 AM	20.000	3.086	11.519	0.491
6/27/2017 10:17:34 AM	21.000	3.084	11.547	0.495
6/27/2017 10:17:35 AM	22.000	3.092	11.483	0.477
6/27/2017 10:17:36 AM	23.000	3.092	11.510	0.478
6/27/2017 10:17:37 AM	24.000	3.095	11.524	0.470
6/27/2017 10:17:38 AM	25.000	3.097	11.527	0.465
6/27/2017 10:17:39 AM	26.000	3.098	11.518	0.462
6/27/2017 10:17:40 AM	27.000	3.099	11.531	0.462
6/27/2017 10:17:41 AM	28.000	3.099	11.554	0.461
6/27/2017 10:17:42 AM	29.000	3.108	11.539	0.440
6/27/2017 10:17:43 AM	30.000	3.105	11.522	0.447
6/27/2017 10:17:44 AM	31.000	3.107	11.546	0.442
6/27/2017 10:17:45 AM	32.000	3.106	11.527	0.445
6/27/2017 10:17:46 AM	33.000	3.109	11.510	0.437
6/27/2017 10:17:47 AM	34.000	3.113	11.510	0.428
6/27/2017 10:17:48 AM	35.013	3.114	11.512	0.426
6/27/2017 10:17:49 AM	36.000	3.115	11.517	0.425
6/27/2017 10:17:50 AM	37.000	3.114	11.537	0.426
6/27/2017 10:17:51 AM	38.000	3.118	11.530	0.418
6/27/2017 10:17:52 AM	39.000	3.119	11.524	0.414
6/27/2017 10:17:53 AM	40.000	3.121	11.540	0.409
6/27/2017 10:17:54 AM	41.000	3.122	11.507	0.407
6/27/2017 10:17:55 AM	42.000	3.123	11.543	0.405
6/27/2017 10:17:56 AM	43.000	3.125	11.532	0.400
6/27/2017 10:17:57 AM	44.000	3.125	11.515	0.400

6/27/2017 10:17:58 AM	45.000	3.128	11.494	0.395
6/27/2017 10:17:59 AM	46.000	3.130	11.493	0.389
6/27/2017 10:18:00 AM	47.000	3.130	11.554	0.389
6/27/2017 10:18:01 AM	48.000	3.129	11.539	0.393
6/27/2017 10:18:02 AM	49.000	3.133	11.540	0.383
6/27/2017 10:18:03 AM	50.000	3.134	11.508	0.381
6/27/2017 10:18:04 AM	51.000	3.134	11.519	0.381
6/27/2017 10:18:05 AM	52.000	3.136	11.535	0.376
6/27/2017 10:18:06 AM	53.000	3.139	11.529	0.370
6/27/2017 10:18:07 AM	54.000	3.139	11.526	0.369
6/27/2017 10:18:08 AM	55.000	3.139	11.527	0.368
6/27/2017 10:18:09 AM	56.000	3.140	11.521	0.367
6/27/2017 10:18:10 AM	57.000	3.141	11.513	0.364
6/27/2017 10:18:11 AM	58.000	3.143	11.510	0.360
6/27/2017 10:18:12 AM	59.000	3.143	11.506	0.359
6/27/2017 10:18:13 AM	60.000	3.143	11.522	0.360
6/27/2017 10:18:14 AM	61.000	3.144	11.519	0.358
6/27/2017 10:18:15 AM	62.000	3.145	11.504	0.355
6/27/2017 10:18:16 AM	63.000	3.143	11.529	0.358
6/27/2017 10:18:17 AM	64.000	3.147	11.520	0.350
6/27/2017 10:18:18 AM	65.000	3.148	11.557	0.347
6/27/2017 10:18:19 AM	66.000	3.146	11.506	0.352
6/27/2017 10:18:20 AM	67.000	3.151	11.555	0.341
6/27/2017 10:18:21 AM	68.000	3.146	11.539	0.353
6/27/2017 10:18:22 AM	69.000	3.156	11.549	0.328
6/27/2017 10:18:23 AM	70.000	3.155	11.521	0.332
6/27/2017 10:18:24 AM	71.000	3.158	11.535	0.326
6/27/2017 10:18:25 AM	72.000	3.159	11.521	0.321
6/27/2017 10:18:26 AM	73.000	3.144	11.524	0.358
6/27/2017 10:18:27 AM	74.000	3.138	11.515	0.372
6/27/2017 10:18:28 AM	75.000	3.134	11.513	0.379
6/27/2017 10:18:29 AM	76.000	3.136	11.521	0.376
6/27/2017 10:18:30 AM	77.000	3.137	11.517	0.372
6/27/2017 10:18:31 AM	78.000	3.139	11.521	0.369
6/27/2017 10:18:32 AM	79.000	3.139	11.548	0.370
6/27/2017 10:18:33 AM	80.000	3.138	11.520	0.371
6/27/2017 10:18:34 AM	81.000	3.143	11.576	0.359
6/27/2017 10:18:35 AM	82.000	3.139	11.521	0.368
6/27/2017 10:18:36 AM	83.000	3.141	11.548	0.363
6/27/2017 10:18:37 AM	84.000	3.142	11.507	0.363
6/27/2017 10:18:38 AM	85.000	3.139	11.496	0.368
6/27/2017 10:18:39 AM	86.000	3.141	11.527	0.364
6/27/2017 10:18:40 AM	87.000	3.144	11.539	0.358
6/27/2017 10:18:41 AM	88.000	3.144	11.524	0.358
6/27/2017 10:18:42 AM	89.000	3.142	11.529	0.361
6/27/2017 10:18:43 AM	90.000	3.145	11.530	0.356
6/27/2017 10:18:44 AM	91.000	3.146	11.547	0.352
6/27/2017 10:18:45 AM	92.000	3.145	11.532	0.354
6/27/2017 10:18:46 AM	93.000	3.143	11.539	0.360
6/27/2017 10:18:47 AM	94.000	3.145	11.537	0.355
6/27/2017 10:18:48 AM	95.000	3.146	11.539	0.353
6/27/2017 10:18:49 AM	96.000	3.145	11.543	0.354
6/27/2017 10:18:50 AM	97.000	3.147	11.556	0.350
6/27/2017 10:18:51 AM	98.000	3.146	11.540	0.351
6/27/2017 10:18:52 AM	99.000	3.146	11.528	0.353
6/27/2017 10:18:53 AM	100.000	3.147	11.548	0.349
6/27/2017 10:18:54 AM	101.000	3.147	11.513	0.351
6/27/2017 10:18:55 AM	102.000	3.147	11.516	0.351
6/27/2017 10:18:56 AM	103.000	3.150	11.507	0.343
6/27/2017 10:18:57 AM	104.000	3.145	11.519	0.354
6/27/2017 10:18:58 AM	105.000	3.150	11.542	0.344
6/27/2017 10:18:59 AM	106.000	3.150	11.511	0.343
6/27/2017 10:19:00 AM	107.000	3.150	11.532	0.343

6/27/2017 10:19:01 AM	108.000	3.149	11.522	0.345
6/27/2017 10:19:02 AM	109.000	3.147	11.534	0.350
6/27/2017 10:19:03 AM	110.000	3.149	11.540	0.346
6/27/2017 10:19:04 AM	111.000	3.150	11.532	0.344
6/27/2017 10:19:05 AM	112.000	3.148	11.529	0.348
6/27/2017 10:19:06 AM	113.000	3.149	11.539	0.344
6/27/2017 10:19:07 AM	114.000	3.149	11.542	0.345
6/27/2017 10:19:08 AM	115.000	3.153	11.546	0.337
6/27/2017 10:19:09 AM	116.000	3.150	11.543	0.342
6/27/2017 10:19:10 AM	117.000	3.149	11.515	0.344
6/27/2017 10:19:11 AM	118.000	3.147	11.535	0.350
6/27/2017 10:19:12 AM	119.000	3.152	11.532	0.338
6/27/2017 10:19:13 AM	120.000	3.150	11.538	0.343
6/27/2017 10:19:14 AM	121.000	3.153	11.557	0.337
6/27/2017 10:19:15 AM	122.000	3.151	11.554	0.341
6/27/2017 10:19:16 AM	123.000	3.153	11.545	0.337
6/27/2017 10:19:17 AM	124.000	3.148	11.530	0.348
6/27/2017 10:19:18 AM	125.000	3.151	11.501	0.341
6/27/2017 10:19:19 AM	126.000	3.152	11.539	0.339
6/27/2017 10:19:20 AM	127.000	3.151	11.548	0.342
6/27/2017 10:19:21 AM	128.000	3.151	11.534	0.341
6/27/2017 10:19:22 AM	129.000	3.151	11.543	0.341
6/27/2017 10:19:23 AM	130.000	3.153	11.544	0.337
6/27/2017 10:19:24 AM	131.000	3.151	11.550	0.341
6/27/2017 10:19:25 AM	132.000	3.152	11.549	0.338
6/27/2017 10:19:26 AM	133.000	3.154	11.544	0.334
6/27/2017 10:19:27 AM	134.000	3.150	11.552	0.343
6/27/2017 10:19:28 AM	135.000	3.152	11.539	0.338
6/27/2017 10:19:29 AM	136.000	3.154	11.526	0.333
6/27/2017 10:19:30 AM	137.000	3.151	11.528	0.341
6/27/2017 10:19:31 AM	138.000	3.157	11.538	0.327
6/27/2017 10:19:32 AM	139.000	3.152	11.533	0.339
6/27/2017 10:19:33 AM	140.000	3.154	11.553	0.333
6/27/2017 10:19:34 AM	141.000	3.152	11.551	0.339
6/27/2017 10:19:35 AM	142.000	3.151	11.509	0.341
6/27/2017 10:19:36 AM	143.000	3.153	11.540	0.336
6/27/2017 10:19:37 AM	144.000	3.155	11.540	0.331
6/27/2017 10:19:38 AM	145.000	3.153	11.520	0.337
6/27/2017 10:19:39 AM	146.000	3.153	11.540	0.336
6/27/2017 10:19:40 AM	147.000	3.153	11.527	0.337
6/27/2017 10:19:41 AM	148.000	3.156	11.531	0.330
6/27/2017 10:19:42 AM	149.000	3.151	11.537	0.340
6/27/2017 10:19:43 AM	150.000	3.152	11.504	0.339
6/27/2017 10:19:44 AM	151.000	3.154	11.521	0.333
6/27/2017 10:19:45 AM	152.000	3.155	11.541	0.333
6/27/2017 10:19:46 AM	153.000	3.152	11.539	0.339
6/27/2017 10:19:47 AM	154.000	3.153	11.549	0.337
6/27/2017 10:19:48 AM	155.000	3.154	11.524	0.333
6/27/2017 10:19:49 AM	156.000	3.153	11.543	0.337
6/27/2017 10:19:50 AM	157.000	3.154	11.530	0.333
6/27/2017 10:19:51 AM	158.000	3.156	11.554	0.329
6/27/2017 10:19:52 AM	159.000	3.156	11.556	0.329
6/27/2017 10:19:53 AM	160.000	3.155	11.535	0.331
6/27/2017 10:19:54 AM	161.000	3.155	11.543	0.332
6/27/2017 10:19:55 AM	162.000	3.160	11.541	0.321
6/27/2017 10:19:56 AM	163.000	3.157	11.528	0.327
6/27/2017 10:19:57 AM	164.000	3.156	11.543	0.328
6/27/2017 10:19:58 AM	165.000	3.155	11.533	0.332
6/27/2017 10:19:59 AM	166.000	3.154	11.523	0.334
6/27/2017 10:20:00 AM	167.000	3.156	11.532	0.329
6/27/2017 10:20:01 AM	168.000	3.157	11.544	0.327
6/27/2017 10:20:02 AM	169.000	3.156	11.521	0.330
6/27/2017 10:20:03 AM	170.000	3.157	11.541	0.328

6/27/2017 10:20:04 AM	171.000	3.157	11.524	0.328
6/27/2017 10:20:05 AM	172.000	3.154	11.521	0.333
6/27/2017 10:20:06 AM	173.000	3.158	11.556	0.324
6/27/2017 10:20:07 AM	174.000	3.157	11.540	0.328
6/27/2017 10:20:08 AM	175.000	3.157	11.551	0.328
6/27/2017 10:20:09 AM	176.000	3.158	11.557	0.325
6/27/2017 10:20:10 AM	177.000	3.158	11.546	0.326
6/27/2017 10:20:11 AM	178.000	3.154	11.553	0.333
6/27/2017 10:20:12 AM	179.000	3.156	11.519	0.329
6/27/2017 10:20:13 AM	180.000	3.154	11.548	0.333
6/27/2017 10:20:14 AM	181.000	3.158	11.562	0.325
6/27/2017 10:20:15 AM	182.000	3.157	11.488	0.326
6/27/2017 10:20:16 AM	183.000	3.157	11.506	0.328
6/27/2017 10:20:17 AM	184.000	3.156	11.537	0.328
6/27/2017 10:20:18 AM	185.000	3.157	11.531	0.326
6/27/2017 10:20:19 AM	186.000	3.154	11.566	0.333
6/27/2017 10:20:20 AM	187.000	3.154	11.529	0.333
6/27/2017 10:20:21 AM	188.000	3.156	11.540	0.329
6/27/2017 10:20:22 AM	189.000	3.158	11.546	0.324
6/27/2017 10:20:23 AM	190.000	3.157	11.543	0.327
6/27/2017 10:20:24 AM	191.000	3.156	11.535	0.328
6/27/2017 10:20:25 AM	192.000	3.158	11.542	0.324
6/27/2017 10:20:26 AM	193.000	3.158	11.529	0.325
6/27/2017 10:20:27 AM	194.000	3.158	11.537	0.326
6/27/2017 10:20:28 AM	195.000	3.159	11.560	0.321
6/27/2017 10:20:29 AM	196.000	3.157	11.556	0.327
6/27/2017 10:20:30 AM	197.000	3.158	11.508	0.325
6/27/2017 10:20:31 AM	198.000	3.155	11.548	0.332
6/27/2017 10:20:32 AM	199.000	3.156	11.541	0.330
6/27/2017 10:20:33 AM	200.000	3.159	11.544	0.322
6/27/2017 10:20:34 AM	201.000	3.159	11.559	0.322
6/27/2017 10:20:35 AM	202.000	3.157	11.548	0.326
6/27/2017 10:20:36 AM	203.000	3.158	11.546	0.324
6/27/2017 10:20:37 AM	204.000	3.159	11.535	0.323
6/27/2017 10:20:38 AM	205.000	3.157	11.530	0.327
6/27/2017 10:20:39 AM	206.000	3.160	11.540	0.321
6/27/2017 10:20:40 AM	207.000	3.158	11.562	0.325
6/27/2017 10:20:41 AM	208.000	3.156	11.580	0.330
6/27/2017 10:20:42 AM	209.000	3.156	11.530	0.330
6/27/2017 10:20:43 AM	210.000	3.156	11.537	0.329
6/27/2017 10:20:44 AM	211.000	3.158	11.550	0.325
6/27/2017 10:20:45 AM	212.000	3.158	11.529	0.324
6/27/2017 10:20:46 AM	213.000	3.160	11.535	0.320
6/27/2017 10:20:47 AM	214.000	3.156	11.530	0.330
6/27/2017 10:20:48 AM	215.000	3.159	11.532	0.322
6/27/2017 10:20:49 AM	216.000	3.159	11.535	0.322
6/27/2017 10:20:50 AM	217.000	3.159	11.557	0.323
6/27/2017 10:20:51 AM	218.000	3.157	11.541	0.326
6/27/2017 10:20:52 AM	219.000	3.160	11.526	0.320
6/27/2017 10:20:53 AM	220.000	3.158	11.562	0.324
6/27/2017 10:20:54 AM	221.000	3.159	11.557	0.323
6/27/2017 10:20:55 AM	222.000	3.161	11.557	0.317
6/27/2017 10:20:56 AM	223.000	3.161	11.555	0.319
6/27/2017 10:20:57 AM	224.000	3.158	11.538	0.324
6/27/2017 10:20:58 AM	225.000	3.159	11.551	0.322
6/27/2017 10:20:59 AM	226.000	3.156	11.551	0.330
6/27/2017 10:21:00 AM	227.000	3.158	11.529	0.324
6/27/2017 10:21:01 AM	228.000	3.158	11.544	0.326
6/27/2017 10:21:02 AM	229.000	3.161	11.553	0.317
6/27/2017 10:21:03 AM	230.000	3.158	11.545	0.324
6/27/2017 10:21:04 AM	231.000	3.159	11.537	0.322
6/27/2017 10:21:05 AM	232.000	3.158	11.575	0.324
6/27/2017 10:21:06 AM	233.000	3.160	11.521	0.321

6/27/2017 10:21:07 AM	234.000	3.159	11.534	0.321
6/27/2017 10:21:08 AM	235.000	3.160	11.551	0.321
6/27/2017 10:21:09 AM	236.000	3.160	11.565	0.319
6/27/2017 10:21:10 AM	237.000	3.159	11.568	0.323
6/27/2017 10:21:11 AM	238.000	3.158	11.576	0.324
6/27/2017 10:21:12 AM	239.000	3.158	11.573	0.324
6/27/2017 10:21:13 AM	240.000	3.159	11.557	0.322
6/27/2017 10:21:14 AM	241.000	3.159	11.560	0.322
6/27/2017 10:21:15 AM	242.000	3.159	11.553	0.322
6/27/2017 10:21:16 AM	243.000	3.161	11.551	0.318
6/27/2017 10:21:17 AM	244.000	3.160	11.553	0.321
6/27/2017 10:21:18 AM	245.000	3.161	11.532	0.319
6/27/2017 10:21:19 AM	246.000	3.160	11.551	0.320
6/27/2017 10:21:20 AM	247.000	3.161	11.526	0.318
6/27/2017 10:21:21 AM	248.000	3.160	11.566	0.320
6/27/2017 10:21:22 AM	249.000	3.161	11.568	0.317
6/27/2017 10:21:23 AM	250.000	3.160	11.572	0.321
6/27/2017 10:21:24 AM	251.000	3.161	11.548	0.318
6/27/2017 10:21:25 AM	252.000	3.160	11.524	0.320
6/27/2017 10:21:26 AM	253.000	3.162	11.559	0.314
6/27/2017 10:21:27 AM	254.000	3.160	11.543	0.319
6/27/2017 10:21:28 AM	255.000	3.160	11.560	0.320
6/27/2017 10:21:29 AM	256.000	3.161	11.535	0.318
6/27/2017 10:21:30 AM	257.000	3.158	11.517	0.325
6/27/2017 10:21:31 AM	258.000	3.163	11.539	0.313
6/27/2017 10:21:32 AM	259.000	3.163	11.544	0.314
6/27/2017 10:21:33 AM	260.000	3.160	11.545	0.321
6/27/2017 10:21:34 AM	261.000	3.160	11.538	0.321
6/27/2017 10:21:35 AM	262.000	3.162	11.564	0.316
6/27/2017 10:21:36 AM	263.000	3.161	11.555	0.318
6/27/2017 10:21:37 AM	264.000	3.163	11.549	0.314
6/27/2017 10:21:38 AM	265.000	3.163	11.558	0.312
6/27/2017 10:21:39 AM	266.000	3.161	11.540	0.318
6/27/2017 10:21:40 AM	267.000	3.159	11.570	0.322
6/27/2017 10:21:41 AM	268.000	3.163	11.542	0.314
6/27/2017 10:21:42 AM	269.000	3.161	11.529	0.318
6/27/2017 10:21:43 AM	270.000	3.160	11.531	0.320
6/27/2017 10:21:44 AM	271.000	3.160	11.573	0.320
6/27/2017 10:21:45 AM	272.000	3.162	11.556	0.315
6/27/2017 10:21:46 AM	273.000	3.160	11.555	0.321
6/27/2017 10:21:47 AM	274.000	3.163	11.578	0.314
6/27/2017 10:21:48 AM	275.000	3.158	11.548	0.325
6/27/2017 10:21:49 AM	276.000	3.163	11.554	0.312
6/27/2017 10:21:50 AM	277.000	3.161	11.552	0.318
6/27/2017 10:21:51 AM	278.000	3.163	11.541	0.313
6/27/2017 10:21:52 AM	279.000	3.162	11.561	0.317
6/27/2017 10:21:53 AM	280.000	3.160	11.576	0.320
6/27/2017 10:21:54 AM	281.000	3.160	11.539	0.320
6/27/2017 10:21:55 AM	282.000	3.162	11.557	0.315
6/27/2017 10:21:56 AM	283.000	3.165	11.573	0.308
6/27/2017 10:21:57 AM	284.000	3.160	11.541	0.320
6/27/2017 10:21:58 AM	285.000	3.161	11.540	0.317
6/27/2017 10:21:59 AM	286.000	3.160	11.570	0.319
6/27/2017 10:22:00 AM	287.000	3.162	11.527	0.316
6/27/2017 10:22:01 AM	288.000	3.163	11.551	0.312
6/27/2017 10:22:02 AM	289.000	3.162	11.568	0.316
6/27/2017 10:22:03 AM	290.000	3.163	11.513	0.314
6/27/2017 10:22:04 AM	291.000	3.159	11.549	0.322
6/27/2017 10:22:05 AM	292.000	3.163	11.559	0.313
6/27/2017 10:22:06 AM	293.000	3.163	11.544	0.314
6/27/2017 10:22:07 AM	294.000	3.162	11.543	0.316
6/27/2017 10:22:08 AM	295.000	3.159	11.549	0.322
6/27/2017 10:22:09 AM	296.000	3.159	11.548	0.322

6/27/2017 10:22:10 AM	297.000	3.162	11.565	0.315
6/27/2017 10:22:11 AM	298.000	3.162	11.565	0.315
6/27/2017 10:22:12 AM	299.000	3.160	11.546	0.319
6/27/2017 10:22:13 AM	300.000	3.162	11.545	0.314
6/27/2017 10:23:13 AM	360.001	3.164	11.513	0.311
6/27/2017 10:24:13 AM	420.001	3.168	11.493	0.303
6/27/2017 10:25:13 AM	480.001	3.165	11.548	0.308
6/27/2017 10:26:13 AM	540.001	3.166	11.550	0.307
6/27/2017 10:27:13 AM	600.001	3.167	11.590	0.305
6/27/2017 10:28:13 AM	660.001	3.171	11.604	0.294
6/27/2017 10:29:13 AM	720.001	3.165	11.671	0.307
6/27/2017 10:30:13 AM	780.001	3.162	11.724	0.315
6/27/2017 10:31:13 AM	840.001	3.155	11.804	0.331
6/27/2017 10:32:13 AM	900.001	3.157	11.854	0.326
6/27/2017 10:33:13 AM	960.001	3.156	11.891	0.329
6/27/2017 10:34:13 AM	1020.001	3.152	11.897	0.339
6/27/2017 10:35:13 AM	1080.001	3.154	11.932	0.334
6/27/2017 10:36:13 AM	1140.001	3.149	11.913	0.346
6/27/2017 10:37:13 AM	1200.001	3.152	11.919	0.338
6/27/2017 10:38:13 AM	1260.001	3.151	11.920	0.341
6/27/2017 10:39:13 AM	1320.001	3.148	11.946	0.347
6/27/2017 10:40:13 AM	1380.001	3.150	11.933	0.344
6/27/2017 10:41:13 AM	1440.001	3.149	11.927	0.346
6/27/2017 10:42:13 AM	1500.001	3.148	11.930	0.348
6/27/2017 10:43:13 AM	1560.001	3.150	11.935	0.344
6/27/2017 10:44:13 AM	1620.001	3.151	11.933	0.342
6/27/2017 10:45:13 AM	1680.001	3.150	11.913	0.342
6/27/2017 10:46:13 AM	1740.001	3.150	11.906	0.342
6/27/2017 10:47:13 AM	1800.001	3.151	11.897	0.340
6/27/2017 10:48:13 AM	1860.001	3.152	11.883	0.338
6/27/2017 10:49:13 AM	1920.001	3.154	11.926	0.335
6/27/2017 10:50:13 AM	1980.001	3.152	11.901	0.338
6/27/2017 10:51:13 AM	2040.001	3.157	11.897	0.328
6/27/2017 10:52:13 AM	2100.001	3.156	11.869	0.328
6/27/2017 10:53:13 AM	2160.001	3.155	11.880	0.331
6/27/2017 10:54:13 AM	2220.001	3.156	11.858	0.329
6/27/2017 10:55:13 AM	2280.001	3.157	11.862	0.327
6/27/2017 10:56:13 AM	2340.001	3.159	11.869	0.322
6/27/2017 10:57:13 AM	2400.001	3.158	11.828	0.325
6/27/2017 10:58:13 AM	2460.001	3.157	11.825	0.327
6/27/2017 10:59:13 AM	2520.001	3.159	11.805	0.323
6/27/2017 11:00:13 AM	2580.001	3.162	11.803	0.315
6/27/2017 11:01:13 AM	2640.001	3.158	11.808	0.324
6/27/2017 11:02:13 AM	2700.001	3.160	11.793	0.320
6/27/2017 11:03:13 AM	2760.001	3.161	11.790	0.318
6/27/2017 11:04:13 AM	2820.001	3.163	11.819	0.313
6/27/2017 11:05:13 AM	2880.001	3.162	11.779	0.315
6/27/2017 11:06:13 AM	2940.001	3.162	11.786	0.315
6/27/2017 11:07:13 AM	3000.001	3.163	11.764	0.313
6/27/2017 11:08:13 AM	3060.001	3.165	11.754	0.308
6/27/2017 11:09:13 AM	3120.001	3.164	11.773	0.312
6/27/2017 11:10:13 AM	3180.001	3.167	11.745	0.304
6/27/2017 11:11:13 AM	3240.001	3.165	11.772	0.309
6/27/2017 11:12:13 AM	3300.001	3.167	11.731	0.304
6/27/2017 11:13:13 AM	3360.001	3.169	11.748	0.300
6/27/2017 11:14:13 AM	3420.001	3.167	11.731	0.304
6/27/2017 11:15:13 AM	3480.001	3.168	11.725	0.302
6/27/2017 11:16:13 AM	3540.001	3.166	11.709	0.307
6/27/2017 11:17:13 AM	3600.001	3.169	11.728	0.298
6/27/2017 11:18:13 AM	3660.001	3.171	11.691	0.295
6/27/2017 11:19:13 AM	3720.001	3.173	11.691	0.290
6/27/2017 11:20:13 AM	3780.001	3.168	11.736	0.300
6/27/2017 11:21:13 AM	3840.001	3.174	11.726	0.287

6/27/2017 11:22:13 AM	3900.001	3.173	11.678	0.289
6/27/2017 11:23:13 AM	3960.001	3.171	11.727	0.295
6/27/2017 11:24:13 AM	4020.001	3.170	11.700	0.297
6/27/2017 11:25:13 AM	4080.001	3.168	11.676	0.301
6/27/2017 11:26:13 AM	4140.001	3.171	11.680	0.296
6/27/2017 11:27:13 AM	4200.001	3.173	11.680	0.289
6/27/2017 11:28:13 AM	4260.001	3.171	11.689	0.296
6/27/2017 11:29:13 AM	4320.001	3.172	11.678	0.291
6/27/2017 11:30:13 AM	4380.001	3.175	11.701	0.286
6/27/2017 11:31:13 AM	4440.001	3.173	11.654	0.290
6/27/2017 11:32:13 AM	4500.001	3.171	11.682	0.294
6/27/2017 11:33:13 AM	4560.001	3.173	11.667	0.290
6/27/2017 11:34:13 AM	4620.001	3.171	11.684	0.295
6/27/2017 11:35:13 AM	4680.001	3.174	11.656	0.287
6/27/2017 11:36:13 AM	4740.001	3.173	11.651	0.289
6/27/2017 11:37:13 AM	4800.001	3.172	11.642	0.293
6/27/2017 11:38:13 AM	4860.001	3.175	11.671	0.286
6/27/2017 11:39:13 AM	4920.001	3.173	11.645	0.289
6/27/2017 11:40:13 AM	4980.001	3.176	11.635	0.283
6/27/2017 11:41:13 AM	5040.001	3.173	11.681	0.291
6/27/2017 11:42:13 AM	5100.001	3.178	11.650	0.278
6/27/2017 11:43:13 AM	5160.001	3.175	11.619	0.286
6/27/2017 11:44:13 AM	5220.001	3.175	11.641	0.285
6/27/2017 11:45:13 AM	5280.001	3.178	11.623	0.279
6/27/2017 11:46:13 AM	5340.001	3.178	11.645	0.280
6/27/2017 11:47:13 AM	5400.001	3.177	11.642	0.281
6/27/2017 11:48:13 AM	5460.001	3.181	11.650	0.272
6/27/2017 11:49:13 AM	5520.001	3.181	11.616	0.271
6/27/2017 11:50:13 AM	5580.001	3.181	11.629	0.272
6/27/2017 11:51:13 AM	5640.001	3.184	11.673	0.265
6/27/2017 11:52:13 AM	5700.001	3.180	11.634	0.274
6/27/2017 11:53:13 AM	5760.001	3.183	11.610	0.267
6/27/2017 11:54:13 AM	5820.001	3.186	11.635	0.261
6/27/2017 11:55:13 AM	5880.001	3.189	11.632	0.253
6/27/2017 11:56:13 AM	5940.001	3.190	11.648	0.251
6/27/2017 11:57:13 AM	6000.001	3.188	11.598	0.256
6/27/2017 11:58:13 AM	6060.001	3.190	11.605	0.250
6/27/2017 11:59:13 AM	6120.001	3.190	11.610	0.251
6/27/2017 12:00:13 PM	6180.001	3.188	11.674	0.256
6/27/2017 12:01:13 PM	6240.001	3.193	11.626	0.243
6/27/2017 12:02:13 PM	6300.001	3.193	11.621	0.243
6/27/2017 12:03:13 PM	6360.001	3.198	11.602	0.232
6/27/2017 12:04:13 PM	6420.001	3.198	11.618	0.233
6/27/2017 12:05:13 PM	6480.001	3.197	11.643	0.234
6/27/2017 12:06:13 PM	6540.001	3.200	11.613	0.228
6/27/2017 12:07:13 PM	6600.001	3.201	11.637	0.224
6/27/2017 12:08:13 PM	6660.001	3.201	11.615	0.226
6/27/2017 12:09:13 PM	6720.001	3.200	11.592	0.227
6/27/2017 12:10:13 PM	6780.001	3.200	11.605	0.227
6/27/2017 12:11:13 PM	6840.001	3.199	11.602	0.230
6/27/2017 12:12:13 PM	6900.001	3.195	11.632	0.240
6/27/2017 12:13:13 PM	6960.001	3.197	11.602	0.235
6/27/2017 12:14:13 PM	7020.001	3.195	11.637	0.240
6/27/2017 12:15:13 PM	7080.001	3.193	11.588	0.245
6/27/2017 12:16:13 PM	7140.001	3.194	11.632	0.241
6/27/2017 12:17:13 PM	7200.001	3.192	11.593	0.246
6/27/2017 12:18:13 PM	7260.001	3.193	11.602	0.243
6/27/2017 12:19:13 PM	7320.001	3.191	11.613	0.247
6/27/2017 12:20:13 PM	7380.001	3.192	11.600	0.247
6/27/2017 12:21:13 PM	7440.001	3.194	11.618	0.243
6/27/2017 12:22:13 PM	7500.001	3.193	11.598	0.245
6/27/2017 12:23:13 PM	7560.001	3.196	11.615	0.238
6/27/2017 12:24:13 PM	7620.001	3.195	11.618	0.238

6/27/2017 12:25:13 PM	7680.001	3.194	11.603	0.241
6/27/2017 12:26:13 PM	7740.001	3.193	11.587	0.243
6/27/2017 12:27:13 PM	7800.001	3.191	11.565	0.249
6/27/2017 12:28:13 PM	7860.001	3.187	11.604	0.257
6/27/2017 12:29:13 PM	7920.001	3.188	11.612	0.256
6/27/2017 12:30:13 PM	7980.001	3.182	11.584	0.270
6/27/2017 12:31:13 PM	8040.001	3.184	11.609	0.264
6/27/2017 12:32:13 PM	8100.001	3.182	11.615	0.269
6/27/2017 12:33:13 PM	8160.001	3.183	11.565	0.266
6/27/2017 12:34:13 PM	8220.001	3.185	11.582	0.263
6/27/2017 12:35:13 PM	8280.001	3.188	11.573	0.256
6/27/2017 12:36:13 PM	8340.001	3.186	11.613	0.259
6/27/2017 12:37:13 PM	8400.001	3.186	11.562	0.260
6/27/2017 12:38:13 PM	8460.001	3.189	11.583	0.252
6/27/2017 12:39:13 PM	8520.001	3.189	11.587	0.252
6/27/2017 12:40:13 PM	8580.001	3.192	11.578	0.246
6/27/2017 12:41:13 PM	8640.001	3.190	11.590	0.251
6/27/2017 12:42:13 PM	8700.001	3.187	11.579	0.258
6/27/2017 12:43:13 PM	8760.001	3.189	11.593	0.252
6/27/2017 12:44:13 PM	8820.001	3.189	11.611	0.253
6/27/2017 12:45:13 PM	8880.001	3.187	11.614	0.257
6/27/2017 12:46:13 PM	8940.001	3.188	11.591	0.254
6/27/2017 12:47:13 PM	9000.001	3.188	11.570	0.256
6/27/2017 12:48:13 PM	9060.001	3.188	11.573	0.255
6/27/2017 12:49:13 PM	9120.001	3.191	11.557	0.249
6/27/2017 12:50:13 PM	9180.001	3.190	11.584	0.250
6/27/2017 12:51:13 PM	9240.001	3.190	11.567	0.251
6/27/2017 12:52:13 PM	9300.001	3.189	11.590	0.252
6/27/2017 12:53:13 PM	9360.001	3.189	11.590	0.252
6/27/2017 12:54:13 PM	9420.001	3.191	11.579	0.249
6/27/2017 12:55:13 PM	9480.001	3.190	11.593	0.250
6/27/2017 12:56:13 PM	9540.001	3.189	11.612	0.253
6/27/2017 12:57:13 PM	9600.001	3.189	11.569	0.252
6/27/2017 12:58:13 PM	9660.001	3.188	11.598	0.254
6/27/2017 12:59:13 PM	9720.001	3.188	11.538	0.256
6/27/2017 1:00:13 PM	9780.001	3.190	11.573	0.250
6/27/2017 1:01:13 PM	9840.001	3.190	11.583	0.252
6/27/2017 1:02:13 PM	9900.001	3.187	11.557	0.258
6/27/2017 1:03:13 PM	9960.001	3.190	11.613	0.250
6/27/2017 1:04:13 PM	10020.001	3.189	11.570	0.252
6/27/2017 1:05:13 PM	10080.001	3.192	11.612	0.247
6/27/2017 1:06:13 PM	10140.001	3.190	11.572	0.251
6/27/2017 1:07:13 PM	10200.001	3.190	11.587	0.251
6/27/2017 1:08:13 PM	10260.001	3.189	11.575	0.253
6/27/2017 1:09:13 PM	10320.001	3.191	11.564	0.249
6/27/2017 1:10:13 PM	10380.001	3.189	11.573	0.252
6/27/2017 1:11:13 PM	10440.001	3.191	11.578	0.248
6/27/2017 1:12:13 PM	10500.001	3.191	11.575	0.249
6/27/2017 1:13:13 PM	10560.001	3.188	11.561	0.256
6/27/2017 1:14:13 PM	10620.001	3.188	11.573	0.256
6/27/2017 1:15:13 PM	10680.001	3.192	11.572	0.247
6/27/2017 1:16:13 PM	10740.001	3.190	11.557	0.251
6/27/2017 1:17:13 PM	10800.001	3.190	11.557	0.251
6/27/2017 1:18:13 PM	10860.001	3.193	11.555	0.243
6/27/2017 1:19:13 PM	10920.001	3.190	11.566	0.251
6/27/2017 1:20:13 PM	10980.001	3.191	11.597	0.248
6/27/2017 1:21:13 PM	11040.001	3.190	11.579	0.252
6/27/2017 1:22:13 PM	11100.001	3.188	11.581	0.255
6/27/2017 1:23:13 PM	11160.001	3.186	11.570	0.260
6/27/2017 1:24:13 PM	11220.001	3.188	11.587	0.256
6/27/2017 1:25:13 PM	11280.001	3.189	11.598	0.253
6/27/2017 1:26:13 PM	11340.001	3.186	11.581	0.260
6/27/2017 1:27:13 PM	11400.001	3.191	11.584	0.249

6/27/2017 1:28:13 PM	11460.001	3.190	11.577	0.252
6/27/2017 1:29:13 PM	11520.001	3.190	11.567	0.252
6/27/2017 1:30:13 PM	11580.001	3.189	11.544	0.252
6/27/2017 1:31:13 PM	11640.001	3.191	11.565	0.248
6/27/2017 1:32:13 PM	11700.001	3.191	11.573	0.249
6/27/2017 1:33:13 PM	11760.001	3.187	11.599	0.258
6/27/2017 1:34:13 PM	11820.001	3.187	11.587	0.259
6/27/2017 1:35:13 PM	11880.001	3.189	11.630	0.254
6/27/2017 1:36:13 PM	11940.001	3.188	11.571	0.255
6/27/2017 1:37:13 PM	12000.001	3.192	11.584	0.246
6/27/2017 1:38:13 PM	12060.001	3.190	11.554	0.250
6/27/2017 1:39:13 PM	12120.001	3.192	11.576	0.246
6/27/2017 1:40:13 PM	12180.001	3.191	11.576	0.248
6/27/2017 1:41:13 PM	12240.001	3.191	11.582	0.249
6/27/2017 1:42:13 PM	12300.001	3.191	11.597	0.248
6/27/2017 1:43:13 PM	12360.001	3.190	11.571	0.251
6/27/2017 1:44:13 PM	12420.001	3.191	11.549	0.248
6/27/2017 1:45:13 PM	12480.001	3.191	11.590	0.248
6/27/2017 1:46:13 PM	12540.001	3.192	11.559	0.246
6/27/2017 1:47:13 PM	12600.001	3.189	11.587	0.254
6/27/2017 1:48:13 PM	12660.001	3.190	11.575	0.250
6/27/2017 1:49:13 PM	12720.001	3.193	11.546	0.244
6/27/2017 1:50:13 PM	12780.001	3.191	11.590	0.249
6/27/2017 1:51:13 PM	12840.001	3.191	11.575	0.249
6/27/2017 1:52:13 PM	12900.001	3.192	11.575	0.246
6/27/2017 1:53:13 PM	12960.001	3.190	11.554	0.251
6/27/2017 1:54:13 PM	13020.001	3.191	11.586	0.249
6/27/2017 1:55:13 PM	13080.001	3.191	11.540	0.248
6/27/2017 1:56:13 PM	13140.001	3.188	11.566	0.256
6/27/2017 1:57:13 PM	13200.001	3.191	11.550	0.248
6/27/2017 1:58:13 PM	13260.001	3.190	11.582	0.250
6/27/2017 1:59:13 PM	13320.001	3.190	11.557	0.251
6/27/2017 2:00:13 PM	13380.001	3.189	11.557	0.253
6/27/2017 2:01:13 PM	13440.001	3.189	11.570	0.253
6/27/2017 2:02:13 PM	13500.001	3.187	11.548	0.257
6/27/2017 2:03:13 PM	13560.001	3.190	11.551	0.252
6/27/2017 2:04:13 PM	13620.001	3.190	11.576	0.251
6/27/2017 2:05:13 PM	13680.001	3.187	11.543	0.259
6/27/2017 2:06:13 PM	13740.001	3.189	11.551	0.253
6/27/2017 2:07:13 PM	13800.001	3.190	11.541	0.252
6/27/2017 2:08:13 PM	13860.001	3.188	11.567	0.254
6/27/2017 2:09:13 PM	13920.001	3.188	11.572	0.255
6/27/2017 2:10:13 PM	13980.001	3.189	11.543	0.252
6/27/2017 2:11:13 PM	14040.001	3.189	11.561	0.253
6/27/2017 2:12:13 PM	14100.001	3.190	11.582	0.251
6/27/2017 2:13:13 PM	14160.001	3.186	11.575	0.260
6/27/2017 2:14:13 PM	14220.001	3.187	11.586	0.257
6/27/2017 2:15:13 PM	14280.001	3.188	11.540	0.255
6/27/2017 2:16:13 PM	14340.001	3.187	11.542	0.257
6/27/2017 2:17:13 PM	14400.001	3.190	11.551	0.252
6/27/2017 2:18:13 PM	14460.001	3.185	11.582	0.262
6/27/2017 2:19:13 PM	14520.001	3.186	11.532	0.260
6/27/2017 2:20:13 PM	14580.001	3.185	11.555	0.263
6/27/2017 2:21:13 PM	14640.001	3.186	11.576	0.261
6/27/2017 2:22:13 PM	14700.001	3.188	11.579	0.256
6/27/2017 2:23:13 PM	14760.001	3.187	11.568	0.259
6/27/2017 2:24:13 PM	14820.001	3.185	11.532	0.262
6/27/2017 2:25:13 PM	14880.001	3.186	11.548	0.261
6/27/2017 2:26:13 PM	14940.001	3.185	11.557	0.262
6/27/2017 2:27:13 PM	15000.001	3.184	11.591	0.265
6/27/2017 2:28:13 PM	15060.001	3.185	11.574	0.263
6/27/2017 2:29:13 PM	15120.001	3.189	11.548	0.254
6/27/2017 2:30:13 PM	15180.001	3.187	11.549	0.258

6/27/2017 2:31:13 PM	15240.001	3.184	11.558	0.264
6/27/2017 2:32:13 PM	15300.001	3.188	11.568	0.256
6/27/2017 2:33:13 PM	15360.001	3.186	11.573	0.259
6/27/2017 2:34:13 PM	15420.001	3.183	11.568	0.267
6/27/2017 2:35:13 PM	15480.001	3.179	11.584	0.275
6/27/2017 2:36:13 PM	15540.001	3.177	11.532	0.282
6/27/2017 2:37:13 PM	15600.001	3.177	11.597	0.281
6/27/2017 2:38:13 PM	15660.001	3.173	11.557	0.290
6/27/2017 2:39:13 PM	15720.001	3.171	11.565	0.296
6/27/2017 2:40:13 PM	15780.001	3.174	11.554	0.288
6/27/2017 2:41:13 PM	15840.001	3.168	11.579	0.301
6/27/2017 2:42:13 PM	15900.001	3.170	11.573	0.297
6/27/2017 2:43:13 PM	15960.001	3.166	11.598	0.306
6/27/2017 2:44:13 PM	16020.001	3.167	11.574	0.303
6/27/2017 2:45:13 PM	16080.001	3.164	11.546	0.312
6/27/2017 2:46:13 PM	16140.001	3.161	11.580	0.318
6/27/2017 2:47:13 PM	16200.001	3.157	11.548	0.326
6/27/2017 2:48:13 PM	16260.001	3.158	11.562	0.326
6/27/2017 2:49:13 PM	16320.001	3.152	11.552	0.339
6/27/2017 2:50:13 PM	16380.001	3.154	11.567	0.334
6/27/2017 2:51:13 PM	16440.001	3.152	11.575	0.339
6/27/2017 2:52:13 PM	16500.001	3.147	11.555	0.350
6/27/2017 2:53:13 PM	16560.001	3.146	11.570	0.352
6/27/2017 2:54:13 PM	16620.001	3.146	11.579	0.352
6/27/2017 2:55:13 PM	16680.001	3.143	11.545	0.360
6/27/2017 2:56:13 PM	16740.001	3.141	11.547	0.363
6/27/2017 2:57:13 PM	16800.001	3.137	11.560	0.374
6/27/2017 2:58:13 PM	16860.001	3.137	11.535	0.373
6/27/2017 2:59:13 PM	16920.001	3.137	11.571	0.374
6/27/2017 3:00:13 PM	16980.001	3.133	11.526	0.382
6/27/2017 3:01:13 PM	17040.001	3.137	11.562	0.373
6/27/2017 3:02:13 PM	17100.001	3.134	11.574	0.381
6/27/2017 3:03:13 PM	17160.001	3.132	11.590	0.385
6/27/2017 3:04:13 PM	17220.001	3.135	11.526	0.379
6/27/2017 3:05:13 PM	17280.001	3.132	11.557	0.386
6/27/2017 3:06:13 PM	17340.001	3.135	11.567	0.377
6/27/2017 3:07:13 PM	17400.001	3.135	11.545	0.377
6/27/2017 3:08:13 PM	17460.001	3.133	11.538	0.383
6/27/2017 3:09:13 PM	17520.001	3.130	11.567	0.389
6/27/2017 3:10:13 PM	17580.001	3.129	11.524	0.392
6/27/2017 3:11:13 PM	17640.001	3.131	11.568	0.386
6/27/2017 3:12:13 PM	17700.001	3.134	11.550	0.379
6/27/2017 3:13:13 PM	17760.001	3.132	11.564	0.386
6/27/2017 3:14:13 PM	17820.001	3.131	11.540	0.387
6/27/2017 3:15:13 PM	17880.001	3.126	11.546	0.398
6/27/2017 3:16:13 PM	17940.001	3.125	11.584	0.400
6/27/2017 3:17:13 PM	18000.001	3.127	11.548	0.395
6/27/2017 3:18:13 PM	18060.001	3.127	11.569	0.395
6/27/2017 3:19:13 PM	18120.001	3.126	11.560	0.397
6/27/2017 3:20:13 PM	18180.001	3.126	11.565	0.399
6/27/2017 3:21:13 PM	18240.001	3.126	11.584	0.399
6/27/2017 3:22:13 PM	18300.001	3.126	11.584	0.399
6/27/2017 3:23:13 PM	18360.001	3.125	11.588	0.401
6/27/2017 3:24:13 PM	18420.001	3.123	11.539	0.406
6/27/2017 3:25:13 PM	18480.001	3.124	11.565	0.402
6/27/2017 3:26:13 PM	18540.001	3.125	11.528	0.401
6/27/2017 3:27:13 PM	18600.001	3.124	11.574	0.404
6/27/2017 3:28:13 PM	18660.001	3.122	11.529	0.407
6/27/2017 3:29:13 PM	18720.001	3.120	11.556	0.412
6/27/2017 3:30:13 PM	18780.001	3.122	11.567	0.407
6/27/2017 3:31:13 PM	18840.001	3.122	11.561	0.407
6/27/2017 3:32:13 PM	18900.001	3.122	11.551	0.407
6/27/2017 3:33:13 PM	18960.001	3.121	11.537	0.410

6/27/2017 3:34:13 PM	19020.001	3.123	11.551	0.405
6/27/2017 3:35:13 PM	19080.001	3.121	11.560	0.410
6/27/2017 3:36:13 PM	19140.001	3.121	11.565	0.410
6/27/2017 3:37:13 PM	19200.001	3.121	11.569	0.411
6/27/2017 3:38:13 PM	19260.001	3.119	11.576	0.414
6/27/2017 3:39:13 PM	19320.001	3.121	11.544	0.410
6/27/2017 3:40:13 PM	19380.001	3.122	11.568	0.407
6/27/2017 3:41:13 PM	19440.001	3.121	11.510	0.410
6/27/2017 3:42:13 PM	19500.001	3.116	11.571	0.422
6/27/2017 3:43:13 PM	19560.001	3.119	11.583	0.415
6/27/2017 3:44:13 PM	19620.001	3.119	11.547	0.416
6/27/2017 3:45:13 PM	19680.001	3.118	11.560	0.417
6/27/2017 3:46:13 PM	19740.001	3.118	11.566	0.416
6/27/2017 3:47:13 PM	19800.001	3.118	11.579	0.417
6/27/2017 3:48:13 PM	19860.001	3.115	11.570	0.424
6/27/2017 3:49:13 PM	19920.001	3.116	11.551	0.422
6/27/2017 3:50:13 PM	19980.001	3.118	11.547	0.417
6/27/2017 3:51:13 PM	20040.001	3.117	11.555	0.420
6/27/2017 3:52:13 PM	20100.001	3.115	11.548	0.423
6/27/2017 3:53:13 PM	20160.001	3.117	11.564	0.419
6/27/2017 3:54:13 PM	20220.001	3.116	11.582	0.422
6/27/2017 3:55:13 PM	20280.001	3.112	11.579	0.431
6/27/2017 3:56:13 PM	20340.001	3.115	11.543	0.424
6/27/2017 3:57:13 PM	20400.001	3.113	11.538	0.428
6/27/2017 3:58:13 PM	20460.001	3.113	11.551	0.430
6/27/2017 3:59:13 PM	20520.001	3.113	11.580	0.430
6/27/2017 4:00:13 PM	20580.001	3.113	11.554	0.429
6/27/2017 4:01:13 PM	20640.001	3.114	11.586	0.426
6/27/2017 4:02:13 PM	20700.001	3.111	11.554	0.433
6/27/2017 4:03:13 PM	20760.001	3.111	11.528	0.433
6/27/2017 4:04:13 PM	20820.001	3.113	11.576	0.429
6/27/2017 4:05:13 PM	20880.001	3.112	11.552	0.432
6/27/2017 4:06:13 PM	20940.001	3.114	11.581	0.427
6/27/2017 4:07:13 PM	21000.001	3.116	11.537	0.422
6/27/2017 4:08:13 PM	21060.001	3.111	11.556	0.433
6/27/2017 4:09:13 PM	21120.001	3.116	11.566	0.421
6/27/2017 4:10:13 PM	21180.001	3.111	11.553	0.433
6/27/2017 4:11:13 PM	21240.001	3.115	11.543	0.424
6/27/2017 4:12:13 PM	21300.001	3.113	11.551	0.427
6/27/2017 4:13:13 PM	21360.001	3.114	11.557	0.426
6/27/2017 4:14:13 PM	21420.001	3.114	11.551	0.427
6/27/2017 4:15:13 PM	21480.001	3.111	11.545	0.432
6/27/2017 4:16:13 PM	21540.001	3.114	11.549	0.426
6/27/2017 4:17:13 PM	21600.001	3.116	11.546	0.421
6/27/2017 4:18:13 PM	21660.001	3.114	11.556	0.427
6/27/2017 4:19:13 PM	21720.001	3.117	11.527	0.420
6/27/2017 4:20:13 PM	21780.001	3.117	11.532	0.420
6/27/2017 4:21:13 PM	21840.001	3.113	11.561	0.428
6/27/2017 4:22:13 PM	21900.001	3.114	11.545	0.425
6/27/2017 4:23:13 PM	21960.001	3.116	11.536	0.423
6/27/2017 4:24:13 PM	22020.001	3.117	11.549	0.420
6/27/2017 4:25:13 PM	22080.001	3.116	11.520	0.423
6/27/2017 4:26:13 PM	22140.001	3.116	11.547	0.421
6/27/2017 4:27:13 PM	22200.001	3.116	11.558	0.423
6/27/2017 4:28:13 PM	22260.001	3.115	11.557	0.423
6/27/2017 4:29:13 PM	22320.001	3.134	11.574	0.380
6/27/2017 4:30:13 PM	22380.001	3.129	11.573	0.392
6/27/2017 4:31:13 PM	22440.001	3.115	11.529	0.425
6/27/2017 4:32:13 PM	22500.001	3.115	11.558	0.424
6/27/2017 4:33:13 PM	22560.001	3.115	11.532	0.424
6/27/2017 4:34:13 PM	22620.001	3.119	11.519	0.415
6/27/2017 4:35:13 PM	22680.001	3.117	11.535	0.418
6/27/2017 4:36:13 PM	22740.001	3.116	11.491	0.422

6/27/2017 4:37:13 PM	22800.001	3.117	11.507	0.420
6/27/2017 4:38:13 PM	22860.001	3.117	11.495	0.419
6/27/2017 4:39:13 PM	22920.001	3.114	11.497	0.426
6/27/2017 4:40:13 PM	22980.001	3.114	11.468	0.425
6/27/2017 4:41:13 PM	23040.001	3.115	11.488	0.424
6/27/2017 4:42:13 PM	23100.001	3.112	11.493	0.431
6/27/2017 4:43:13 PM	23160.001	3.113	11.524	0.429
6/27/2017 4:44:13 PM	23220.001	3.112	11.514	0.432
6/27/2017 4:45:13 PM	23280.001	3.113	11.524	0.429
6/27/2017 4:46:13 PM	23340.001	3.113	11.513	0.428
6/27/2017 4:47:13 PM	23400.001	3.112	11.521	0.431
6/27/2017 4:48:13 PM	23460.001	3.112	11.516	0.430
6/27/2017 4:49:13 PM	23520.001	3.110	11.507	0.434
6/27/2017 4:50:13 PM	23580.001	3.114	11.533	0.427
6/27/2017 4:51:13 PM	23640.001	3.112	11.529	0.431
6/27/2017 4:52:13 PM	23700.001	3.114	11.485	0.427
6/27/2017 4:53:13 PM	23760.001	3.112	11.505	0.431
6/27/2017 4:54:13 PM	23820.001	3.112	11.526	0.430
6/27/2017 4:55:13 PM	23880.001	3.112	11.543	0.430
6/27/2017 4:56:13 PM	23940.001	3.113	11.520	0.428
6/27/2017 4:57:13 PM	24000.001	3.112	11.514	0.430
6/27/2017 4:58:13 PM	24060.001	3.114	11.542	0.425
6/27/2017 4:59:13 PM	24120.001	3.115	11.556	0.423
6/27/2017 5:00:13 PM	24180.001	3.114	11.557	0.426
6/27/2017 5:01:13 PM	24240.001	3.116	11.526	0.423
6/27/2017 5:02:13 PM	24300.001	3.114	11.515	0.427
6/27/2017 5:03:13 PM	24360.001	3.113	11.496	0.428
6/27/2017 5:04:13 PM	24420.001	3.112	11.532	0.431
6/27/2017 5:05:13 PM	24480.001	3.111	11.522	0.433
6/27/2017 5:06:13 PM	24540.001	3.110	11.523	0.436
6/27/2017 5:07:13 PM	24600.001	3.113	11.512	0.428
6/27/2017 5:08:13 PM	24660.001	3.112	11.525	0.431
6/27/2017 5:09:13 PM	24720.001	3.109	11.531	0.437
6/27/2017 5:10:13 PM	24780.001	3.111	11.546	0.433
6/27/2017 5:11:13 PM	24840.001	3.114	11.525	0.426
6/27/2017 5:12:13 PM	24900.001	3.112	11.528	0.431
6/27/2017 5:13:13 PM	24960.001	3.112	11.489	0.431
6/27/2017 5:14:13 PM	25020.001	3.110	11.557	0.435
6/27/2017 5:15:13 PM	25080.001	3.112	11.514	0.430
6/27/2017 5:16:13 PM	25140.001	3.111	11.522	0.433
6/27/2017 5:17:13 PM	25200.001	3.115	11.565	0.424
6/27/2017 5:18:13 PM	25260.001	3.113	11.531	0.429
6/27/2017 5:19:13 PM	25320.001	3.114	11.520	0.426
6/27/2017 5:20:13 PM	25380.001	3.114	11.558	0.427
6/27/2017 5:21:13 PM	25440.001	3.111	11.530	0.432
6/27/2017 5:22:13 PM	25500.001	3.113	11.534	0.428
6/27/2017 5:23:13 PM	25560.001	3.112	11.559	0.431
6/27/2017 5:24:13 PM	25620.001	3.113	11.543	0.429
6/27/2017 5:25:13 PM	25680.001	3.112	11.520	0.430
6/27/2017 5:26:13 PM	25740.001	3.114	11.551	0.426
6/27/2017 5:27:13 PM	25800.001	3.115	11.536	0.424
6/27/2017 5:28:13 PM	25860.001	3.113	11.538	0.429
6/27/2017 5:29:13 PM	25920.001	3.112	11.551	0.431
6/27/2017 5:30:13 PM	25980.001	3.113	11.532	0.429
6/27/2017 5:31:13 PM	26040.001	3.110	11.529	0.436
6/27/2017 5:32:13 PM	26100.001	3.113	11.531	0.429
6/27/2017 5:33:13 PM	26160.001	3.113	11.535	0.428
6/27/2017 5:34:13 PM	26220.001	3.112	11.532	0.430
6/27/2017 5:35:13 PM	26280.001	3.113	11.536	0.428
6/27/2017 5:36:13 PM	26340.001	3.111	11.525	0.433
6/27/2017 5:37:13 PM	26400.001	3.113	11.570	0.430
6/27/2017 5:38:13 PM	26460.001	3.116	11.559	0.421
6/27/2017 5:39:13 PM	26520.001	3.114	11.524	0.426

6/27/2017 5:40:13 PM	26580.001	3.116	11.553	0.421
6/27/2017 5:41:13 PM	26640.001	3.113	11.535	0.429
6/27/2017 5:42:13 PM	26700.001	3.114	11.518	0.425
6/27/2017 5:43:13 PM	26760.001	3.115	11.536	0.425
6/27/2017 5:44:13 PM	26820.001	3.113	11.547	0.428
6/27/2017 5:45:13 PM	26880.001	3.118	11.554	0.417
6/27/2017 5:46:13 PM	26940.001	3.113	11.526	0.429
6/27/2017 5:47:13 PM	27000.001	3.117	11.537	0.418
6/27/2017 5:48:13 PM	27060.001	3.114	11.558	0.427
6/27/2017 5:49:13 PM	27120.001	3.116	11.529	0.422
6/27/2017 5:50:13 PM	27180.001	3.117	11.524	0.419
6/27/2017 5:51:13 PM	27240.001	3.119	11.560	0.415
6/27/2017 5:52:13 PM	27300.001	3.119	11.544	0.415
6/27/2017 5:53:13 PM	27360.001	3.119	11.534	0.416
6/27/2017 5:54:13 PM	27420.001	3.122	11.546	0.408
6/27/2017 5:55:13 PM	27480.001	3.120	11.575	0.412
6/27/2017 5:56:13 PM	27540.001	3.121	11.550	0.410
6/27/2017 5:57:13 PM	27600.001	3.120	11.524	0.413
6/27/2017 5:58:13 PM	27660.001	3.119	11.525	0.416
6/27/2017 5:59:13 PM	27720.001	3.118	11.565	0.417
6/27/2017 6:00:13 PM	27780.001	3.117	11.565	0.420
6/27/2017 6:01:13 PM	27840.001	3.117	11.560	0.418
6/27/2017 6:02:13 PM	27900.001	3.118	11.546	0.417
6/27/2017 6:03:13 PM	27960.001	3.120	11.555	0.412
6/27/2017 6:04:13 PM	28020.001	3.117	11.542	0.419
6/27/2017 6:05:13 PM	28080.001	3.118	11.560	0.417
6/27/2017 6:06:13 PM	28140.001	3.118	11.572	0.417
6/27/2017 6:07:13 PM	28200.001	3.118	11.547	0.416
6/27/2017 6:08:13 PM	28260.001	3.118	11.532	0.417
6/27/2017 6:09:13 PM	28320.001	3.120	11.543	0.412
6/27/2017 6:10:13 PM	28380.001	3.116	11.572	0.420
6/27/2017 6:11:13 PM	28440.001	3.118	11.537	0.418
6/27/2017 6:12:13 PM	28500.001	3.118	11.546	0.416
6/27/2017 6:13:13 PM	28560.001	3.117	11.543	0.419
6/27/2017 6:14:13 PM	28620.001	3.117	11.554	0.420
6/27/2017 6:15:13 PM	28680.001	3.118	11.537	0.418
6/27/2017 6:16:13 PM	28740.001	3.118	11.537	0.417
6/27/2017 6:17:13 PM	28800.001	3.121	11.560	0.410
6/27/2017 6:18:13 PM	28860.001	3.120	11.546	0.413
6/27/2017 6:19:13 PM	28920.001	3.119	11.542	0.415
6/27/2017 6:20:13 PM	28980.001	3.121	11.559	0.410
6/27/2017 6:21:13 PM	29040.001	3.117	11.533	0.419
6/27/2017 6:22:13 PM	29100.001	3.121	11.554	0.411
6/27/2017 6:23:13 PM	29160.001	3.121	11.536	0.410
6/27/2017 6:24:13 PM	29220.001	3.119	11.581	0.415
6/27/2017 6:25:13 PM	29280.001	3.121	11.543	0.411
6/27/2017 6:26:13 PM	29340.001	3.117	11.596	0.420
6/27/2017 6:27:13 PM	29400.001	3.120	11.501	0.413
6/27/2017 6:28:13 PM	29460.001	3.119	11.542	0.415
6/27/2017 6:29:13 PM	29520.001	3.122	11.551	0.408
6/27/2017 6:30:13 PM	29580.001	3.119	11.528	0.416
6/27/2017 6:31:13 PM	29640.001	3.120	11.546	0.411
6/27/2017 6:32:13 PM	29700.001	3.119	11.524	0.414
6/27/2017 6:33:13 PM	29760.001	3.121	11.540	0.409
6/27/2017 6:34:13 PM	29820.001	3.120	11.536	0.413
6/27/2017 6:35:13 PM	29880.001	3.119	11.551	0.415
6/27/2017 6:36:13 PM	29940.001	3.121	11.557	0.410
6/27/2017 6:37:13 PM	30000.001	3.121	11.567	0.409
6/27/2017 6:38:13 PM	30060.001	3.120	11.535	0.412
6/27/2017 6:39:13 PM	30120.001	3.124	11.524	0.402
6/27/2017 6:40:13 PM	30180.001	3.127	11.535	0.397
6/27/2017 6:41:13 PM	30240.001	3.124	11.549	0.403
6/27/2017 6:42:13 PM	30300.001	3.122	11.554	0.407

6/27/2017 6:43:13 PM	30360.001	3.121	11.507	0.409
6/27/2017 6:44:13 PM	30420.001	3.123	11.536	0.405
6/27/2017 6:45:13 PM	30480.001	3.120	11.560	0.412
6/27/2017 6:46:13 PM	30540.001	3.121	11.532	0.411
6/27/2017 6:47:13 PM	30600.001	3.119	11.536	0.414
6/27/2017 6:48:13 PM	30660.001	3.118	11.543	0.417
6/27/2017 6:49:13 PM	30720.001	3.119	11.558	0.415
6/27/2017 6:50:13 PM	30780.001	3.120	11.562	0.412
6/27/2017 6:51:13 PM	30840.001	3.116	11.557	0.421
6/27/2017 6:52:13 PM	30900.001	3.121	11.531	0.410
6/27/2017 6:53:13 PM	30960.001	3.121	11.540	0.410
6/27/2017 6:54:13 PM	31020.001	3.120	11.553	0.413
6/27/2017 6:55:13 PM	31080.001	3.120	11.515	0.413
6/27/2017 6:56:13 PM	31140.001	3.121	11.549	0.409
6/27/2017 6:57:13 PM	31200.001	3.120	11.535	0.413
6/27/2017 6:58:13 PM	31260.001	3.119	11.542	0.414
6/27/2017 6:59:13 PM	31320.001	3.121	11.544	0.409
6/27/2017 7:00:13 PM	31380.001	3.120	11.535	0.413
6/27/2017 7:01:13 PM	31440.001	3.122	11.535	0.408
6/27/2017 7:02:13 PM	31500.001	3.119	11.554	0.414
6/27/2017 7:03:13 PM	31560.001	3.120	11.542	0.413
6/27/2017 7:04:13 PM	31620.001	3.118	11.550	0.417
6/27/2017 7:05:13 PM	31680.001	3.119	11.548	0.416
6/27/2017 7:06:13 PM	31740.001	3.118	11.532	0.418
6/27/2017 7:07:13 PM	31800.001	3.121	11.551	0.409
6/27/2017 7:08:13 PM	31860.001	3.121	11.554	0.411
6/27/2017 7:09:13 PM	31920.001	3.120	11.571	0.413
6/27/2017 7:10:13 PM	31980.001	3.121	11.546	0.410
6/27/2017 7:11:13 PM	32040.001	3.119	11.512	0.414
6/27/2017 7:12:13 PM	32100.001	3.121	11.535	0.409
6/27/2017 7:13:13 PM	32160.001	3.120	11.549	0.412
6/27/2017 7:14:13 PM	32220.001	3.125	11.571	0.401
6/27/2017 7:15:13 PM	32280.001	3.117	11.561	0.419
6/27/2017 7:16:13 PM	32340.001	3.123	11.565	0.405
6/27/2017 7:17:13 PM	32400.001	3.120	11.562	0.412
6/27/2017 7:18:13 PM	32460.001	3.123	11.557	0.406
6/27/2017 7:19:13 PM	32520.001	3.123	11.545	0.406
6/27/2017 7:20:13 PM	32580.001	3.123	11.507	0.405
6/27/2017 7:21:13 PM	32640.001	3.123	11.575	0.405
6/27/2017 7:22:13 PM	32700.001	3.123	11.549	0.405
6/27/2017 7:23:13 PM	32760.001	3.122	11.568	0.408
6/27/2017 7:24:13 PM	32820.001	3.123	11.508	0.405
6/27/2017 7:25:13 PM	32880.001	3.124	11.532	0.404
6/27/2017 7:26:13 PM	32940.001	3.120	11.542	0.412
6/27/2017 7:27:13 PM	33000.001	3.122	11.546	0.407
6/27/2017 7:28:13 PM	33060.001	3.122	11.540	0.407
6/27/2017 7:29:13 PM	33120.001	3.122	11.532	0.407
6/27/2017 7:30:13 PM	33180.001	3.122	11.546	0.407
6/27/2017 7:31:13 PM	33240.001	3.122	11.550	0.407
6/27/2017 7:32:13 PM	33300.001	3.120	11.524	0.413
6/27/2017 7:33:13 PM	33360.001	3.121	11.573	0.409
6/27/2017 7:34:13 PM	33420.001	3.124	11.538	0.403
6/27/2017 7:35:13 PM	33480.001	3.123	11.551	0.406
6/27/2017 7:36:13 PM	33540.001	3.125	11.518	0.401
6/27/2017 7:37:13 PM	33600.001	3.123	11.561	0.406
6/27/2017 7:38:13 PM	33660.001	3.123	11.524	0.406
6/27/2017 7:39:13 PM	33720.001	3.124	11.577	0.403
6/27/2017 7:40:13 PM	33780.001	3.122	11.543	0.407
6/27/2017 7:41:13 PM	33840.001	3.124	11.550	0.403
6/27/2017 7:42:13 PM	33900.001	3.124	11.546	0.403
6/27/2017 7:43:13 PM	33960.001	3.126	11.527	0.398
6/27/2017 7:44:13 PM	34020.001	3.124	11.541	0.403
6/27/2017 7:45:13 PM	34080.001	3.123	11.571	0.406

6/27/2017 7:46:13 PM	34140.001	3.122	11.540	0.407
6/27/2017 7:47:13 PM	34200.001	3.126	11.548	0.399
6/27/2017 7:48:13 PM	34260.001	3.125	11.545	0.402
6/27/2017 7:49:13 PM	34320.001	3.122	11.537	0.408
6/27/2017 7:50:13 PM	34380.001	3.126	11.540	0.399
6/27/2017 7:51:13 PM	34440.001	3.126	11.571	0.399
6/27/2017 7:52:13 PM	34500.001	3.125	11.540	0.400
6/27/2017 7:53:13 PM	34560.001	3.127	11.554	0.396
6/27/2017 7:54:13 PM	34620.001	3.125	11.526	0.401
6/27/2017 7:55:13 PM	34680.001	3.125	11.560	0.402
6/27/2017 7:56:13 PM	34740.001	3.124	11.521	0.402
6/27/2017 7:57:13 PM	34800.001	3.125	11.490	0.400
6/27/2017 7:58:13 PM	34860.001	3.129	11.536	0.392
6/27/2017 7:59:13 PM	34920.001	3.126	11.556	0.400
6/27/2017 8:00:13 PM	34980.001	3.125	11.539	0.400
6/27/2017 8:01:13 PM	35040.001	3.129	11.558	0.391
6/27/2017 8:02:13 PM	35100.001	3.126	11.526	0.399
6/27/2017 8:03:13 PM	35160.001	3.125	11.546	0.400
6/27/2017 8:04:13 PM	35220.001	3.128	11.554	0.394
6/27/2017 8:05:13 PM	35280.001	3.126	11.551	0.398
6/27/2017 8:06:13 PM	35340.001	3.129	11.519	0.392
6/27/2017 8:07:13 PM	35400.001	3.128	11.560	0.395
6/27/2017 8:08:13 PM	35460.001	3.127	11.554	0.397
6/27/2017 8:09:13 PM	35520.001	3.128	11.532	0.394
6/27/2017 8:10:13 PM	35580.001	3.125	11.535	0.400
6/27/2017 8:11:13 PM	35640.001	3.130	11.554	0.389
6/27/2017 8:12:13 PM	35700.001	3.129	11.548	0.392
6/27/2017 8:13:13 PM	35760.001	3.128	11.534	0.395
6/27/2017 8:14:13 PM	35820.001	3.127	11.535	0.395
6/27/2017 8:15:13 PM	35880.001	3.129	11.554	0.392
6/27/2017 8:16:13 PM	35940.001	3.128	11.523	0.394
6/27/2017 8:17:13 PM	36000.001	3.131	11.532	0.388
6/27/2017 8:18:13 PM	36060.001	3.129	11.537	0.391
6/27/2017 8:19:13 PM	36120.001	3.130	11.501	0.389
6/27/2017 8:20:13 PM	36180.001	3.129	11.533	0.392
6/27/2017 8:21:13 PM	36240.001	3.131	11.533	0.386
6/27/2017 8:22:13 PM	36300.001	3.131	11.546	0.388
6/27/2017 8:23:13 PM	36360.001	3.136	11.536	0.376
6/27/2017 8:24:13 PM	36420.001	3.134	11.557	0.380
6/27/2017 8:25:13 PM	36480.001	3.135	11.549	0.377
6/27/2017 8:26:13 PM	36540.001	3.133	11.554	0.383
6/27/2017 8:27:13 PM	36600.001	3.131	11.558	0.388
6/27/2017 8:28:13 PM	36660.001	3.131	11.546	0.387
6/27/2017 8:29:13 PM	36720.001	3.132	11.549	0.386
6/27/2017 8:30:13 PM	36780.001	3.132	11.535	0.385
6/27/2017 8:31:13 PM	36840.001	3.132	11.548	0.384
6/27/2017 8:32:13 PM	36900.001	3.133	11.562	0.382
6/27/2017 8:33:13 PM	36960.001	3.133	11.540	0.381
6/27/2017 8:34:13 PM	37020.001	3.135	11.541	0.378
6/27/2017 8:35:13 PM	37080.001	3.132	11.559	0.384
6/27/2017 8:36:13 PM	37140.001	3.137	11.540	0.374
6/27/2017 8:37:13 PM	37200.001	3.135	11.542	0.378
6/27/2017 8:38:13 PM	37260.001	3.133	11.542	0.382
6/27/2017 8:39:13 PM	37320.001	3.133	11.524	0.382
6/27/2017 8:40:13 PM	37380.001	3.135	11.558	0.379
6/27/2017 8:41:13 PM	37440.001	3.138	11.546	0.371
6/27/2017 8:42:13 PM	37500.001	3.137	11.558	0.374
6/27/2017 8:43:13 PM	37560.001	3.138	11.559	0.370
6/27/2017 8:44:13 PM	37620.001	3.133	11.522	0.383
6/27/2017 8:45:13 PM	37680.001	3.133	11.521	0.382
6/27/2017 8:46:13 PM	37740.001	3.134	11.532	0.381
6/27/2017 8:47:13 PM	37800.001	3.137	11.560	0.373
6/27/2017 8:48:13 PM	37860.001	3.137	11.554	0.373

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6/27/2017 8:50:13 PM	37980.001	3.137	11.533	0.374
6/27/2017 8:51:13 PM	38040.001	3.137	11.526	0.374
6/27/2017 8:52:13 PM	38100.001	3.138	11.554	0.371
6/27/2017 8:53:13 PM	38160.001	3.135	11.557	0.379
6/27/2017 8:54:13 PM	38220.001	3.137	11.544	0.374
6/27/2017 8:55:13 PM	38280.001	3.136	11.543	0.375
6/27/2017 8:56:13 PM	38340.001	3.134	11.503	0.379
6/27/2017 8:57:13 PM	38400.001	3.134	11.536	0.380
6/27/2017 8:58:13 PM	38460.001	3.137	11.510	0.374
6/27/2017 8:59:13 PM	38520.001	3.135	11.537	0.377
6/27/2017 9:00:13 PM	38580.001	3.141	11.539	0.365
6/27/2017 9:01:13 PM	38640.001	3.137	11.555	0.373
6/27/2017 9:02:13 PM	38700.001	3.137	11.525	0.374
6/27/2017 9:03:13 PM	38760.001	3.139	11.580	0.369
6/27/2017 9:04:13 PM	38820.001	3.139	11.520	0.368
6/27/2017 9:05:13 PM	38880.001	3.139	11.529	0.370
6/27/2017 9:06:13 PM	38940.001	3.138	11.532	0.370
6/27/2017 9:07:13 PM	39000.001	3.137	11.546	0.374
6/27/2017 9:08:13 PM	39060.001	3.139	11.533	0.368
6/27/2017 9:09:13 PM	39120.001	3.139	11.550	0.369
6/27/2017 9:10:13 PM	39180.001	3.139	11.558	0.369
6/27/2017 9:11:13 PM	39240.001	3.142	11.508	0.360
6/27/2017 9:12:13 PM	39300.001	3.141	11.522	0.365
6/27/2017 9:13:13 PM	39360.001	3.142	11.557	0.361
6/27/2017 9:14:13 PM	39420.001	3.140	11.527	0.365
6/27/2017 9:15:13 PM	39480.001	3.139	11.564	0.370
6/27/2017 9:16:13 PM	39540.001	3.140	11.535	0.366
6/27/2017 9:17:13 PM	39600.001	3.141	11.568	0.364
6/27/2017 9:18:13 PM	39660.001	3.140	11.545	0.367
6/27/2017 9:19:13 PM	39720.001	3.141	11.553	0.364
6/27/2017 9:20:13 PM	39780.001	3.140	11.531	0.367
6/27/2017 9:21:13 PM	39840.001	3.140	11.533	0.366
6/27/2017 9:22:13 PM	39900.001	3.139	11.566	0.368
6/27/2017 9:23:13 PM	39960.001	3.141	11.535	0.365
6/27/2017 9:24:13 PM	40020.001	3.140	11.568	0.367
6/27/2017 9:25:13 PM	40080.001	3.142	11.542	0.361
6/27/2017 9:26:13 PM	40140.001	3.139	11.530	0.368
6/27/2017 9:27:13 PM	40200.001	3.143	11.555	0.359
6/27/2017 9:28:13 PM	40260.001	3.143	11.562	0.360
6/27/2017 9:29:13 PM	40320.001	3.141	11.544	0.363
6/27/2017 9:30:13 PM	40380.001	3.144	11.546	0.358
6/27/2017 9:31:13 PM	40440.001	3.140	11.525	0.367
6/27/2017 9:32:13 PM	40500.001	3.142	11.563	0.360
6/27/2017 9:33:13 PM	40560.001	3.142	11.550	0.363
6/27/2017 9:34:13 PM	40620.001	3.137	11.528	0.373
6/27/2017 9:35:13 PM	40680.001	3.141	11.515	0.363
6/27/2017 9:36:13 PM	40740.001	3.140	11.516	0.366
6/27/2017 9:37:13 PM	40800.001	3.143	11.551	0.360
6/27/2017 9:38:13 PM	40860.001	3.141	11.543	0.363
6/27/2017 9:39:13 PM	40920.001	3.146	11.551	0.352
6/27/2017 9:40:13 PM	40980.001	3.140	11.555	0.366
6/27/2017 9:41:13 PM	41040.001	3.144	11.537	0.357
6/27/2017 9:42:13 PM	41100.001	3.145	11.543	0.355
6/27/2017 9:43:13 PM	41160.001	3.144	11.567	0.356
6/27/2017 9:44:13 PM	41220.001	3.145	11.559	0.355
6/27/2017 9:45:13 PM	41280.001	3.145	11.560	0.355
6/27/2017 9:46:13 PM	41340.001	3.145	11.540	0.355
6/27/2017 9:47:13 PM	41400.001	3.146	11.562	0.353
6/27/2017 9:48:13 PM	41460.001	3.145	11.572	0.355
6/27/2017 9:49:13 PM	41520.001	3.146	11.521	0.353
6/27/2017 9:50:13 PM	41580.001	3.145	11.520	0.355
6/27/2017 9:51:13 PM	41640.001	3.144	11.555	0.356

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6/27/2017 9:53:13 PM	41760.001	3.145	11.556	0.355
6/27/2017 9:54:13 PM	41820.001	3.144	11.568	0.356
6/27/2017 9:55:13 PM	41880.001	3.145	11.553	0.354
6/27/2017 9:56:13 PM	41940.001	3.144	11.532	0.358
6/27/2017 9:57:13 PM	42000.001	3.145	11.548	0.354
6/27/2017 9:58:13 PM	42060.001	3.146	11.562	0.353
6/27/2017 9:59:13 PM	42120.001	3.145	11.571	0.355
6/27/2017 10:00:13 PM	42180.001	3.144	11.537	0.358
6/27/2017 10:01:13 PM	42240.001	3.144	11.525	0.358
6/27/2017 10:02:13 PM	42300.001	3.145	11.530	0.354
6/27/2017 10:03:13 PM	42360.001	3.147	11.535	0.350
6/27/2017 10:04:13 PM	42420.001	3.143	11.530	0.360
6/27/2017 10:05:13 PM	42480.001	3.147	11.563	0.350
6/27/2017 10:06:13 PM	42540.001	3.148	11.535	0.348
6/27/2017 10:07:13 PM	42600.001	3.145	11.559	0.355
6/27/2017 10:08:13 PM	42660.001	3.148	11.507	0.348
6/27/2017 10:09:13 PM	42720.001	3.147	11.529	0.349
6/27/2017 10:10:13 PM	42780.001	3.145	11.507	0.354
6/27/2017 10:11:13 PM	42840.001	3.145	11.534	0.354
6/27/2017 10:12:13 PM	42900.001	3.148	11.525	0.348
6/27/2017 10:13:13 PM	42960.001	3.146	11.572	0.353
6/27/2017 10:14:13 PM	43020.001	3.146	11.571	0.353
6/27/2017 10:15:13 PM	43080.001	3.146	11.554	0.351
6/27/2017 10:16:13 PM	43140.001	3.146	11.510	0.351
6/27/2017 10:17:13 PM	43200.001	3.144	11.506	0.356
6/27/2017 10:18:13 PM	43260.001	3.148	11.556	0.348
6/27/2017 10:19:13 PM	43320.001	3.143	11.524	0.359
6/27/2017 10:20:13 PM	43380.001	3.143	11.557	0.358
6/27/2017 10:21:13 PM	43440.001	3.144	11.564	0.358
6/27/2017 10:22:13 PM	43500.001	3.144	11.548	0.357
6/27/2017 10:23:13 PM	43560.001	3.146	11.546	0.353
6/27/2017 10:24:13 PM	43620.001	3.144	11.548	0.358
6/27/2017 10:25:13 PM	43680.001	3.144	11.531	0.358
6/27/2017 10:26:13 PM	43740.001	3.144	11.531	0.358
6/27/2017 10:27:13 PM	43800.001	3.143	11.560	0.358
6/27/2017 10:28:13 PM	43860.001	3.143	11.544	0.359
6/27/2017 10:29:13 PM	43920.001	3.146	11.550	0.353
6/27/2017 10:30:13 PM	43980.001	3.146	11.552	0.353
6/27/2017 10:31:13 PM	44040.001	3.144	11.526	0.356
6/27/2017 10:32:13 PM	44100.001	3.146	11.538	0.353
6/27/2017 10:33:13 PM	44160.001	3.145	11.536	0.355
6/27/2017 10:34:13 PM	44220.001	3.147	11.516	0.350
6/27/2017 10:35:13 PM	44280.001	3.146	11.560	0.353
6/27/2017 10:36:13 PM	44340.001	3.148	11.554	0.348
6/27/2017 10:37:13 PM	44400.001	3.148	11.548	0.349
6/27/2017 10:38:13 PM	44460.001	3.147	11.535	0.351
6/27/2017 10:39:13 PM	44520.001	3.147	11.499	0.349
6/27/2017 10:40:13 PM	44580.001	3.150	11.537	0.344
6/27/2017 10:41:13 PM	44640.001	3.146	11.551	0.352
6/27/2017 10:42:13 PM	44700.001	3.148	11.515	0.348
6/27/2017 10:43:13 PM	44760.001	3.150	11.535	0.343
6/27/2017 10:44:13 PM	44820.001	3.147	11.548	0.349
6/27/2017 10:45:13 PM	44880.001	3.149	11.526	0.346
6/27/2017 10:46:13 PM	44940.001	3.146	11.558	0.353
6/27/2017 10:47:13 PM	45000.001	3.148	11.564	0.349
6/27/2017 10:48:13 PM	45060.001	3.148	11.554	0.347
6/27/2017 10:49:13 PM	45120.001	3.149	11.549	0.345
6/27/2017 10:50:13 PM	45180.001	3.147	11.560	0.350
6/27/2017 10:51:13 PM	45240.001	3.153	11.525	0.337
6/27/2017 10:52:13 PM	45300.001	3.152	11.535	0.339
6/27/2017 10:53:13 PM	45360.001	3.149	11.496	0.345
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6/27/2017 10:55:13 PM	45480.001	3.150	11.562	0.344
6/27/2017 10:56:13 PM	45540.001	3.151	11.552	0.341
6/27/2017 10:57:13 PM	45600.001	3.152	11.554	0.339
6/27/2017 10:58:13 PM	45660.001	3.153	11.530	0.337
6/27/2017 10:59:13 PM	45720.001	3.150	11.554	0.342
6/27/2017 11:00:13 PM	45780.001	3.152	11.560	0.338
6/27/2017 11:01:13 PM	45840.001	3.150	11.541	0.344
6/27/2017 11:02:13 PM	45900.001	3.151	11.543	0.340
6/27/2017 11:03:13 PM	45960.001	3.150	11.533	0.343
6/27/2017 11:04:13 PM	46020.001	3.149	11.523	0.345
6/27/2017 11:05:13 PM	46080.001	3.155	11.537	0.332
6/27/2017 11:06:13 PM	46140.001	3.153	11.544	0.336
6/27/2017 11:07:13 PM	46200.001	3.152	11.544	0.338
6/27/2017 11:08:13 PM	46260.001	3.152	11.544	0.339
6/27/2017 11:09:13 PM	46320.001	3.152	11.546	0.339
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6/27/2017 11:11:13 PM	46440.001	3.151	11.542	0.341
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6/27/2017 11:13:13 PM	46560.001	3.153	11.548	0.337
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6/27/2017 11:17:13 PM	46800.001	3.154	11.544	0.333
6/27/2017 11:18:13 PM	46860.001	3.154	11.546	0.333
6/27/2017 11:19:13 PM	46920.001	3.153	11.527	0.335
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6/27/2017 11:21:13 PM	47040.001	3.154	11.513	0.334
6/27/2017 11:22:13 PM	47100.001	3.153	11.549	0.337
6/27/2017 11:23:13 PM	47160.001	3.154	11.547	0.333
6/27/2017 11:24:13 PM	47220.001	3.153	11.545	0.335
6/27/2017 11:25:13 PM	47280.001	3.153	11.553	0.335
6/27/2017 11:26:13 PM	47340.001	3.153	11.560	0.336
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6/27/2017 11:28:13 PM	47460.001	3.156	11.544	0.329
6/27/2017 11:29:13 PM	47520.001	3.156	11.560	0.330
6/27/2017 11:30:13 PM	47580.001	3.152	11.528	0.338
6/27/2017 11:31:13 PM	47640.001	3.153	11.541	0.336
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6/27/2017 11:34:13 PM	47820.001	3.155	11.521	0.331
6/27/2017 11:35:13 PM	47880.001	3.152	11.575	0.338
6/27/2017 11:36:13 PM	47940.001	3.153	11.526	0.336
6/27/2017 11:37:13 PM	48000.001	3.153	11.511	0.335
6/27/2017 11:38:13 PM	48060.001	3.153	11.537	0.335
6/27/2017 11:39:13 PM	48120.001	3.156	11.523	0.329
6/27/2017 11:40:13 PM	48180.001	3.157	11.523	0.328
6/27/2017 11:41:13 PM	48240.001	3.155	11.534	0.332
6/27/2017 11:42:13 PM	48300.001	3.155	11.568	0.331
6/27/2017 11:43:13 PM	48360.001	3.156	11.510	0.330
6/27/2017 11:44:13 PM	48420.001	3.156	11.563	0.330
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6/27/2017 11:47:13 PM	48600.001	3.156	11.508	0.330
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6/27/2017 11:53:13 PM	48960.001	3.154	11.540	0.333
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6/28/2017 12:00:13 AM	49380.001	3.152	11.579	0.338
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6/28/2017 12:03:13 AM	49560.001	3.156	11.540	0.329
6/28/2017 12:04:13 AM	49620.001	3.155	11.557	0.331
6/28/2017 12:05:13 AM	49680.001	3.154	11.538	0.333
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6/28/2017 12:16:13 AM	50340.001	3.151	11.560	0.341
6/28/2017 12:17:13 AM	50400.001	3.152	11.537	0.338
6/28/2017 12:18:13 AM	50460.001	3.152	11.551	0.339
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6/28/2017 12:51:13 AM	52440.001	3.152	11.536	0.339
6/28/2017 12:52:13 AM	52500.001	3.151	11.550	0.341
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6/28/2017 2:53:13 AM	59760.001	3.148	11.560	0.347
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6/28/2017 2:59:13 AM	60120.001	3.146	11.561	0.353
6/28/2017 3:00:13 AM	60180.001	3.149	11.550	0.345
6/28/2017 3:01:13 AM	60240.001	3.150	11.551	0.344
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6/28/2017 3:05:13 AM	60480.001	3.147	11.548	0.349
6/28/2017 3:06:13 AM	60540.001	3.147	11.538	0.349

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6/28/2017 3:15:13 AM	61080.001	3.148	11.529	0.348
6/28/2017 3:16:13 AM	61140.001	3.150	11.521	0.342
6/28/2017 3:17:13 AM	61200.001	3.146	11.527	0.352
6/28/2017 3:18:13 AM	61260.001	3.150	11.546	0.343
6/28/2017 3:19:13 AM	61320.001	3.149	11.549	0.346
6/28/2017 3:20:13 AM	61380.001	3.148	11.553	0.349
6/28/2017 3:21:13 AM	61440.001	3.147	11.541	0.350
6/28/2017 3:22:13 AM	61500.001	3.147	11.532	0.349

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